

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDMW-WTW-P24080734-1
FCC ID: PQRFXA5020-US
Product: IEEE802.11ax/ac/n/a/b/g Wireless LAN (Access point / Station)
Brand: CONTEC
Model No.: FXA5020-US
Received Date: 2024/8/29
Test Date: 2024/11/11 ~ 2024/11/21
Issued Date: 2024/12/18

Applicant: CONTEC CO., LTD.
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____



Wen Yu / Assistant Manager

, Date: _____

2024/12/18

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Prepared by: Vito Lung / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBDMW-WTW-P24080734-1	Original release.	2024/12/18

1 Certificate

Product: IEEE802.11ax/ac/n/a/b/g Wireless LAN (Access point / Station)

Brand: CONTEC

Test Model: FXA5020-US

Sample Status: Engineering sample

Applicant: CONTEC CO., LTD.

Test Date: 2024/11/11 ~ 2024/11/21

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

Measurement ANSI C63.10-2013

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

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -8.84 dB at 27.53906 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.0 dB at 999.99 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 -0.1 dB at 5150.00, 5350.00, 5470.00 and 5725.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is RP-SMA not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	1050.00 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Occupied Bandwidth	-	1050.00 Hz
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	IEEE802.11ax/ac/n/a/b/g Wireless LAN (Access point / Station)
Brand	CONTEC
Test Model	FXA5020-US
Status of EUT	Engineering sample
Power Supply Rating	5 ~ 12 Vdc from adapter or 55 Vdc from PoE adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: Up to 54 Mbps 802.11n: Up to 300 Mbps 802.11ac: Up to 866.7 Mbps 802.11ax: Up to 1201.0 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	CDD: 5.18 GHz ~ 5.24 GHz: 223.072 mW (23.48 dBm) 5.26 GHz ~ 5.32 GHz: 180.27 mW (22.56 dBm) 5.5 GHz ~ 5.72 GHz: 217.306 mW (23.37 dBm) 5.745 GHz ~ 5.825 GHz: 312.653 mW (24.95 dBm) Beamforming: 5.18 GHz ~ 5.24 GHz: 197.425 mW (22.95 dBm) 5.26 GHz ~ 5.32 GHz: 165.002 mW (22.17 dBm) 5.5 GHz ~ 5.72 GHz: 176.661 mW (22.47 dBm) 5.745 GHz ~ 5.825 GHz: 309.579 mW (24.91 dBm)
EUT Category	Indoor Access Point

Note:

1. There are WLAN (2.4 GHz & 5 GHz) technology used for the EUT.
2. Simultaneously transmission combination.

Combination	Technology	
1	WLAN (2.4 GHz)	WLAN (5 GHz)

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set	RF Chain NO.	Brand	Model	Antenna Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1	Chain0	Molex	2128600011	5.3	2.4~2.4835	Dipole	RP-SMA
				4.5	5.15~5.85		
	Chain1	Molex	2128600011	5.3	2.4~2.4835	Dipole	RP-SMA
				4.5	5.15~5.85		
2	Chain0	TE	2108936-2	2.2	2.4~2.4835	Dipole	RP-SMA
				3.7	5.15~5.85		
	Chain1	TE	2108936-2	2.2	2.4~2.4835	Dipole	RP-SMA
				3.7	5.15~5.85		

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

2. The EUT incorporates a MIMO function:

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

Note:

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), 802.11ax mode for 20 MHz (40 MHz, 80 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. For Unwanted Emission and AC Power conducted emission items: POE/ AC Adapter 1/ AC Adapter 2/ Power connector. Pre-scan these modes and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis 2. For Unwanted Emission and AC Power conducted emission worst condition: Unwanted Emission worst: AC Adapter 1 AC Power Conducted Emission worst: AC Adapter 2

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)		52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)		54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)		58, 106, 122, 138	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)		42, 58, 106, 122, 138, 155	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)		36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)		38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)		42, 58, 106, 122, 138, 155	BPSK	MCS0

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

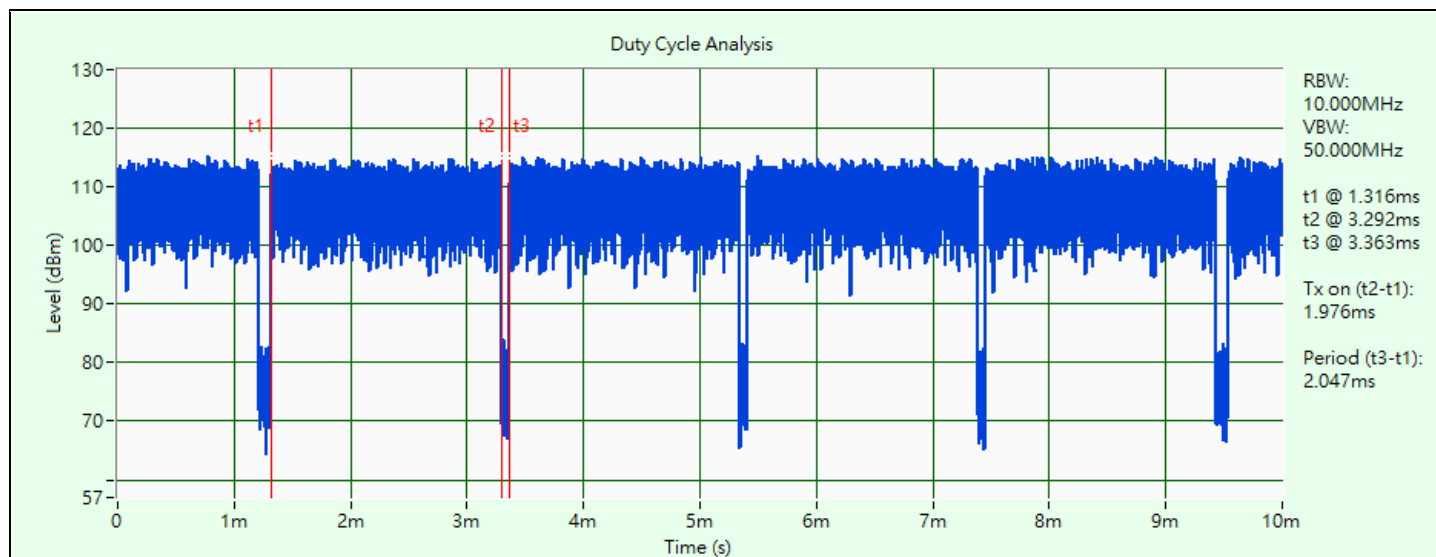
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = $1.976 \text{ ms} / 2.047 \text{ ms} \times 100\% = 96.5\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.15 \text{ dB}$

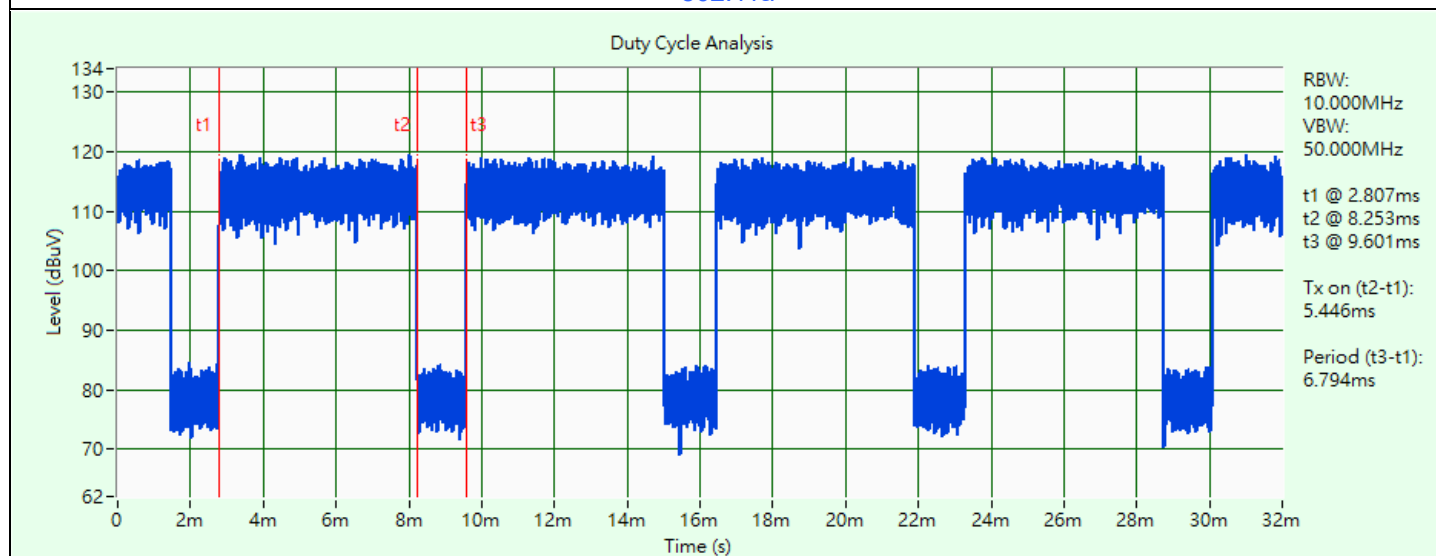
802.11ax (HE20): Duty cycle = $5.446 \text{ ms} / 6.794 \text{ ms} \times 100\% = 80.2\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.96 \text{ dB}$

802.11ax (HE40): Duty cycle = $5.446 \text{ ms} / 6.828 \text{ ms} \times 100\% = 79.8\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.98 \text{ dB}$

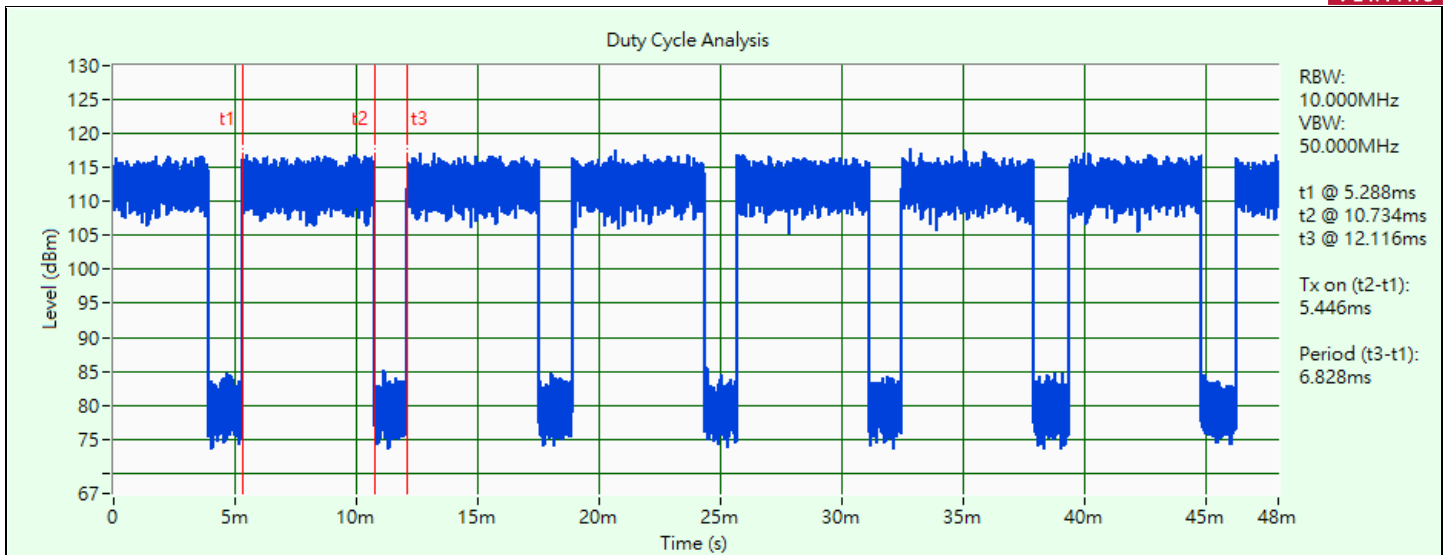
802.11ax (HE80): Duty cycle = $5.446 \text{ ms} / 6.799 \text{ ms} \times 100\% = 80.1\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.96 \text{ dB}$



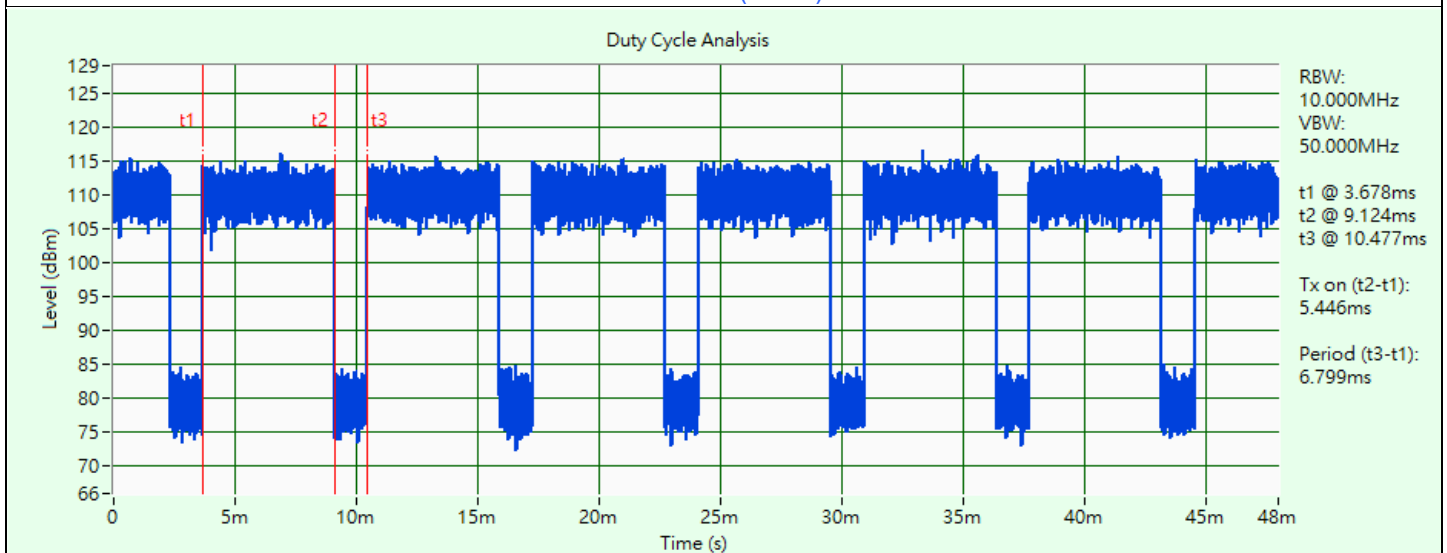
802.11a



802.11ax (HE20)



802.11ax (HE40)



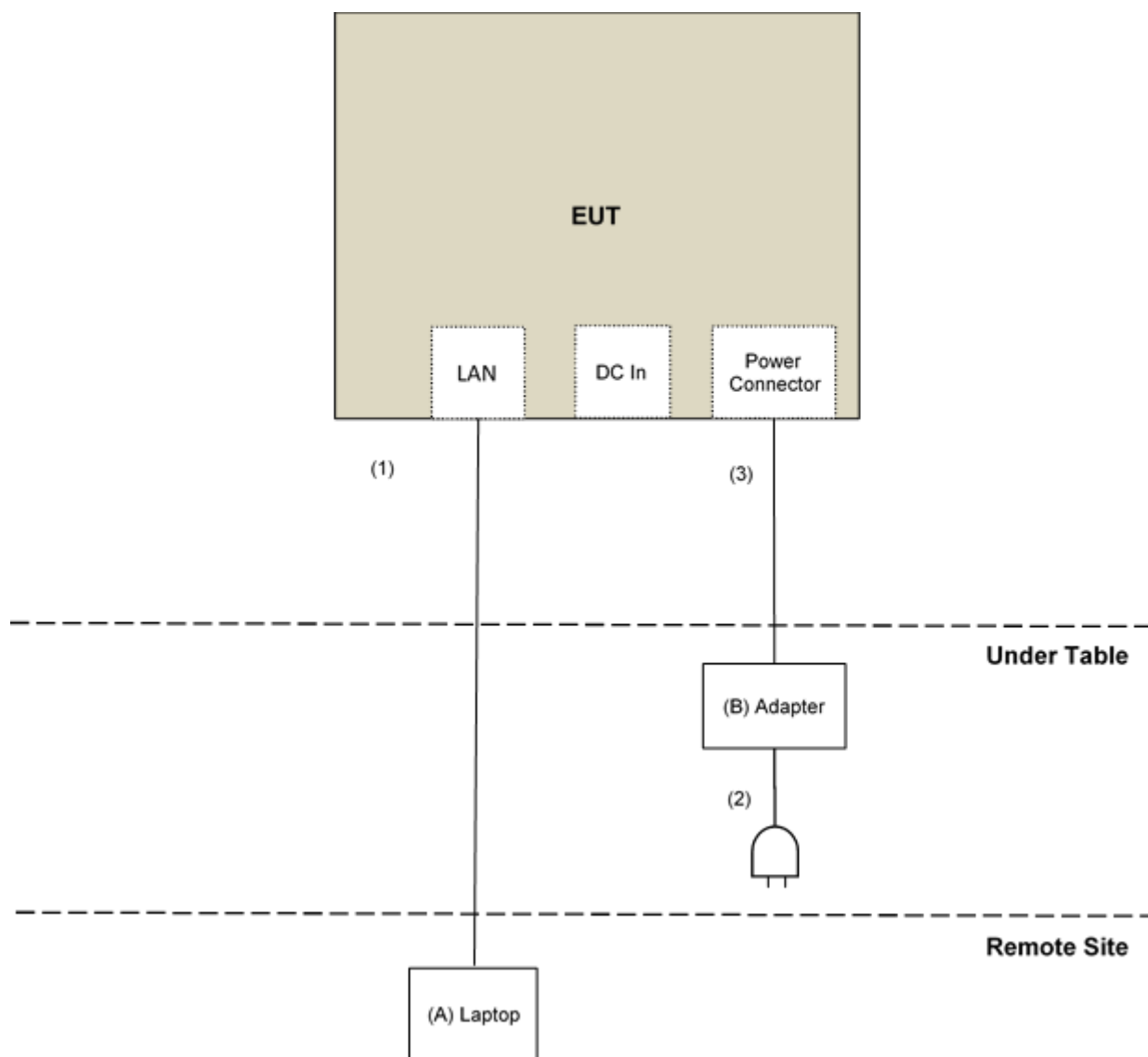
802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

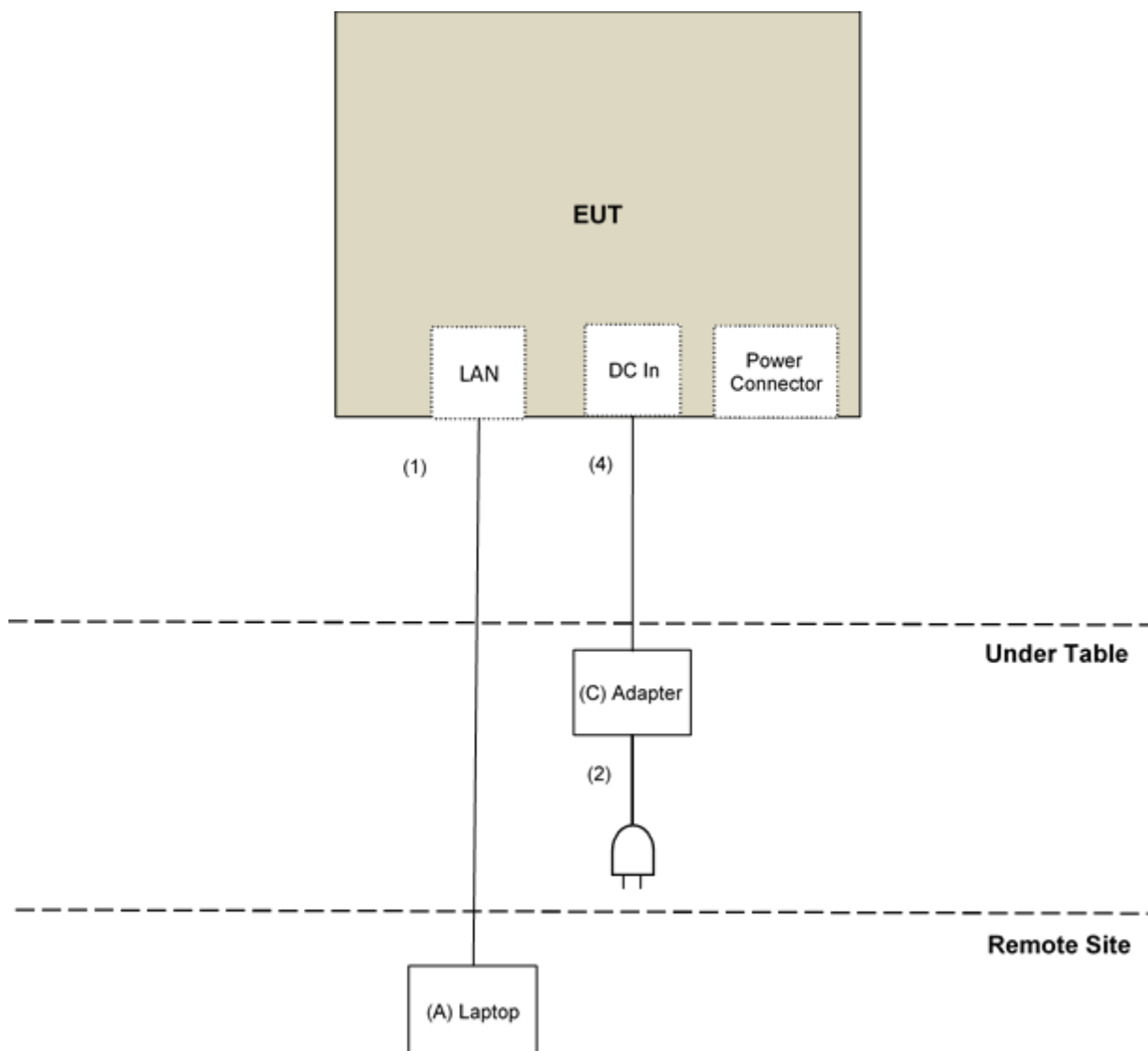
Controlling software (10-YE009-100_MP03.1_PN02.1_RDP404_RevB_20240528.cxtt) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emissions test:



For AC Power Conducted Emission Test:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	7YV4VY1	DoC	Provided by Lab
B	Adapter	ENG ELECTRIC CO., LTD.	6A-151DA12A	N/A	N/A	Supplied by applicant
C	Adapter	ADAPTER TECH	ATS018T-A050	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ45 Cable	1	10	No	0	Provided by Lab
2	AC Cable	1	1.8	No	0	Supplied by applicant
3	DC Cable	1	1.55	No	0	Supplied by applicant
4	DC Cable	1	1.45	No	0	Supplied by applicant

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
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/11/21

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112408	2024/3/7	2025/3/6
Pulse Power Sensor Anritsu	MA2411B	1726434	2024/6/7	2025/6/6
RF Power Meter Anritsu	ML2495A	1529002	2024/6/7	2025/6/6
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/11/21

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2024/11/1	2025/10/31
EMI Test Receiver R&S	ESCS 30	100375	2024/5/20	2025/5/19
Fixed Attenuator STI	STI02-2200-10	005	2024/2/19	2025/2/18
LISN R&S	ESH3-Z5	835239/001	2024/4/3	2025/4/2
		848773/004	2024/10/7	2025/10/6
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2024/2/19	2025/2/18
Software BVADT	BVADT_Conc_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2024/11/14

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2024/10/8	2025/10/7
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2024/2/17	2025/2/16
Loop Antenna TESEQ	HLA 6121	63620	2024/10/17	2025/10/16
MXE EMI Receiver Agilent	N9038A	MY50010156	2024/6/5	2025/6/4
Preamplifier EMCI	EMC330N	980852	2024/2/17	2025/2/16
	EMC001340	980142	2024/2/19	2025/2/18
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2024/2/19	2025/2/18
		LOOPCAB-002	2024/2/19	2025/2/18
RF Coaxial Cable PEWC	8D	001	2024/2/16	2025/2/15
		966-3-2	2024/2/16	2025/2/15
		966-3-3	2024/2/16	2025/2/15
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2024/11/13

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2024/11/10	2025/11/9
	BBHA 9170	9170-739	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY50010156	2024/6/5	2025/6/4
Preamplifier EMCI	EMC12630SE	980384	2024/1/29	2025/1/28
	EMC184045SE	980387	2024/8/8	2025/8/7
PXA Signal Analyzer Keysight	N9030B	MY57142938	2024/3/20	2025/3/19
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2024/1/29	2025/1/28
	EMC102-KM-KM-4000	200214	2024/1/29	2025/1/28
	EMC104-SM-SM-1500	180504	2024/1/29	2025/1/28
	EMC104-SM-SM-2000	180601	2024/1/29	2025/1/28
	EMC104-SM-SM-6000	210201	2024/1/29	2025/1/28
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2024/11/11 ~ 2024/11/14

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

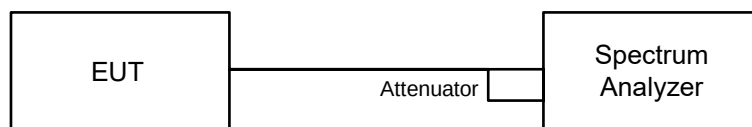
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

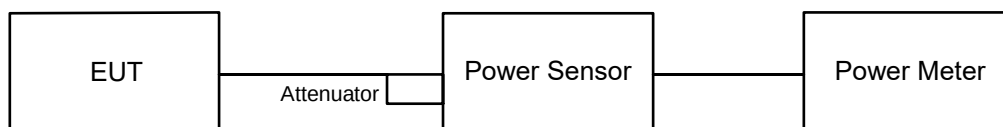


6.1.2 Test Procedure

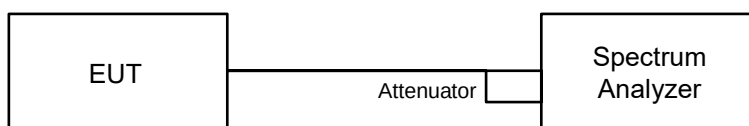
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

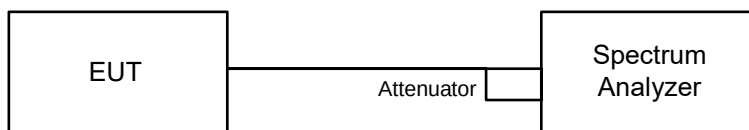
Method SA-2A

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
- Sweep points ≥ $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Manually set sweep time ≥ $10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
- Perform a single sweep.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-2

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

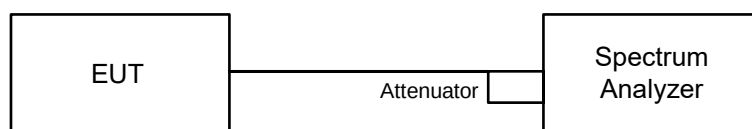
For specified measurement bandwidth 500 kHz:

Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

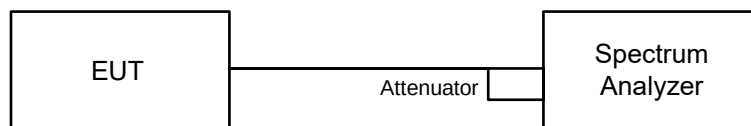


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

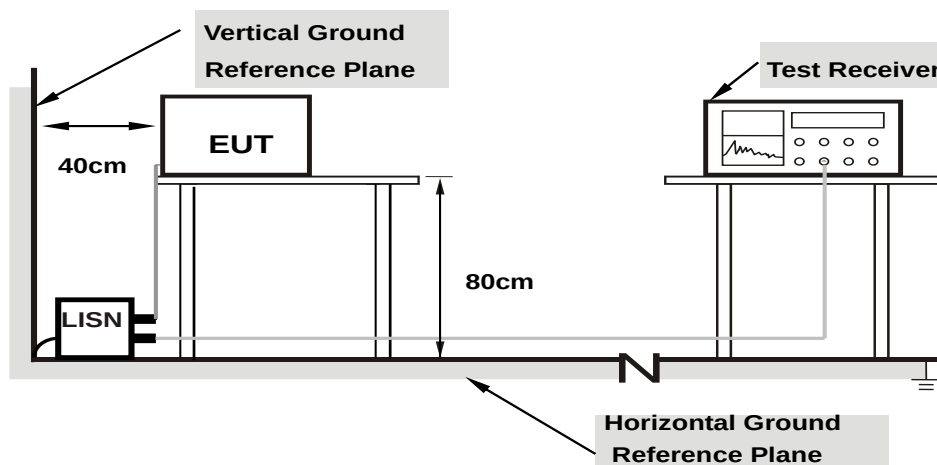


6.5.2 Test Procedure

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

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

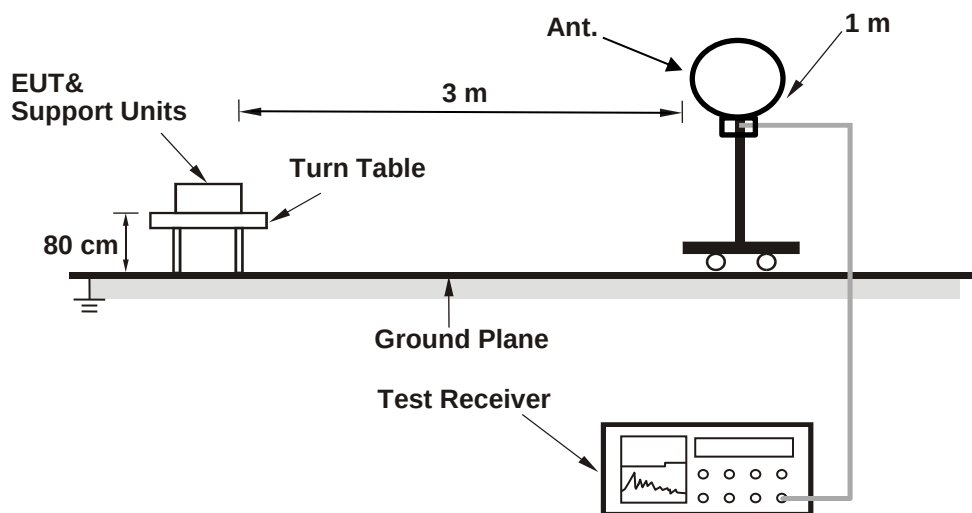
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

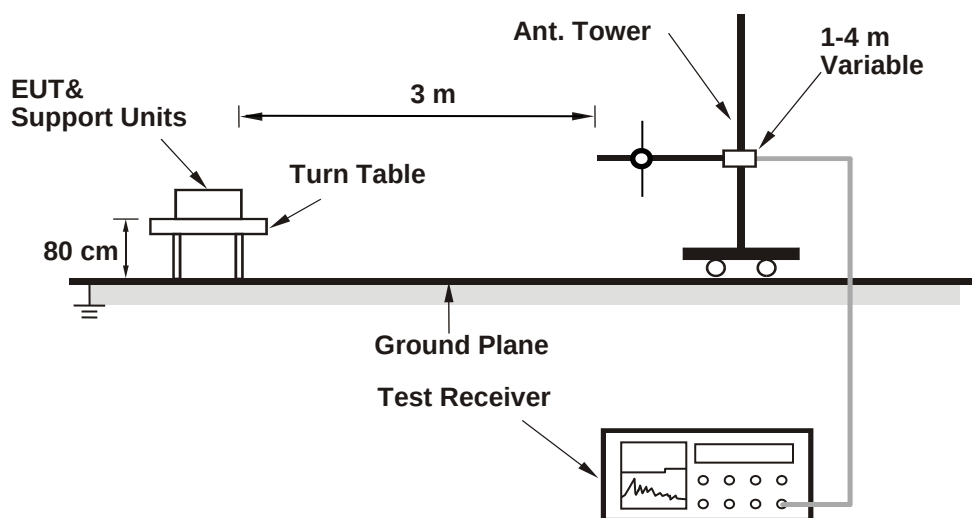
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

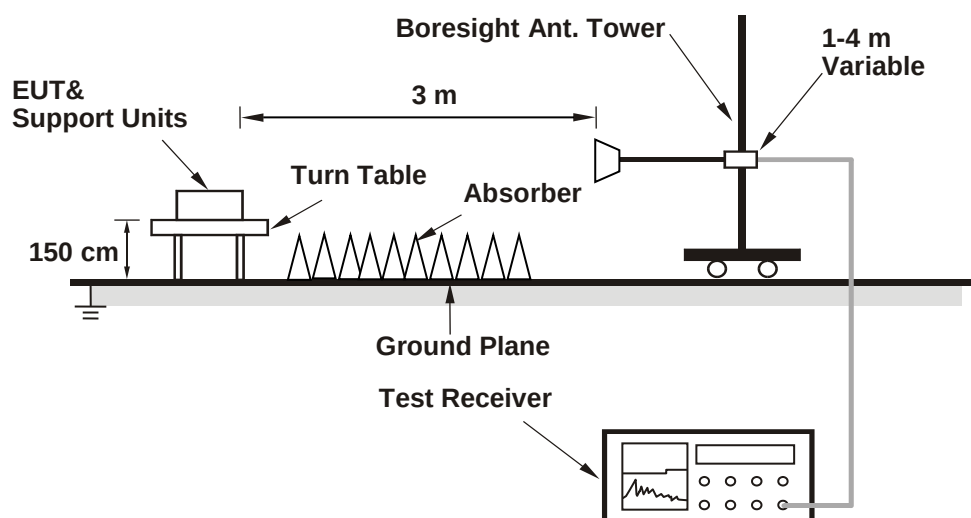
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	34.48	34.01
60	5300	35.99	35.01
64	5320	21.61	21.54
100	5500	20.90	20.71
116	5580	34.42	32.73
140	5700	19.17	19.30
144 (U-NII-2C)	5720	16.03	19.04
144 (U-NII-3)	5720	6.02	7.47

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	34.01	26.31	>	24
60	5300	35.01	26.44	>	24
64	5320	21.54	24.33	>	24
100	5500	20.71	24.16	>	24
116	5580	32.73	26.14	>	24
140	5700	19.17	23.82	<	24
144 (U-NII-2C)	5720	16.03	23.04	<	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	35.74	31.14
60	5300	42.15	40.28
64	5320	22.68	21.90
100	5500	21.33	21.15
116	5580	37.32	34.99
140	5700	21.00	21.04
144 (U-NII-2C)	5720	16.60	15.47
144 (U-NII-3)	5720	5.74	5.47

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	31.14	25.93 > 24
60	5300	40.28	27.05 > 24
64	5320	21.90	24.4 > 24
100	5500	21.15	24.25 > 24
116	5580	34.99	26.43 > 24
140	5700	21.00	24.22 > 24
144 (U-NII-2C)	5720	15.47	22.89 < 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	64.91	52.35
62	5310	41.09	41.20
102	5510	40.86	40.85
110	5550	65.63	74.79
134	5670	41.25	41.10
142 (U-NII-2C)	5710	42.96	35.62
142 (U-NII-3)	5710	17.61	5.61

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	52.35	28.18 > 24
62	5310	41.09	27.13 > 24
102	5510	40.85	27.11 > 24
110	5550	65.63	29.17 > 24
134	5670	41.10	27.13 > 24
142 (U-NII-2C)	5710	35.62	26.51 > 24

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

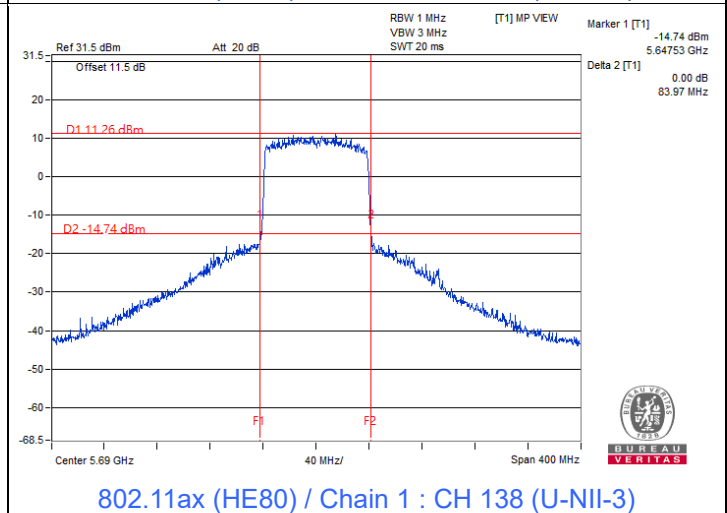
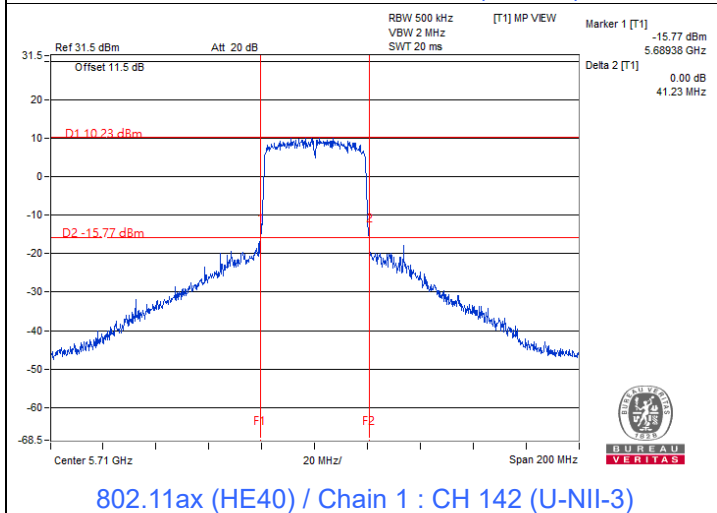
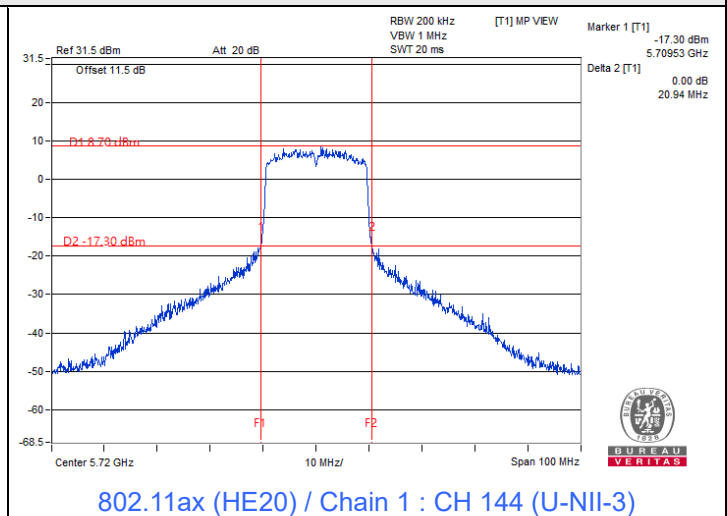
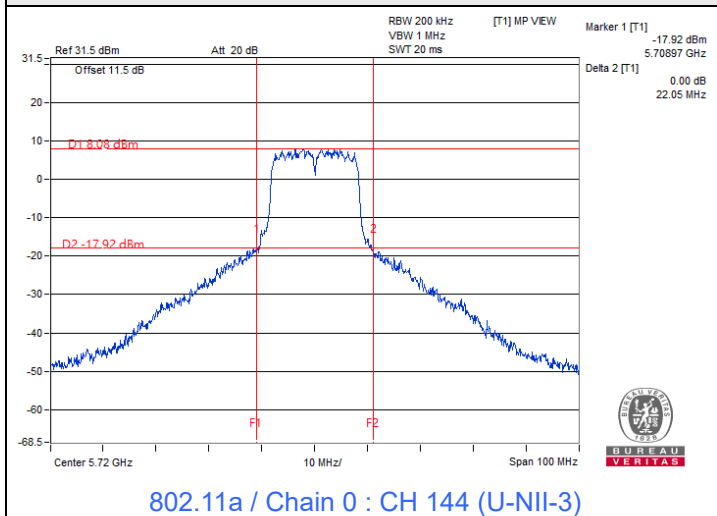
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.40	83.10
106	5530	83.53	83.55
122	5610	134.91	98.58
138 (U-NII-2C)	5690	90.39	77.47
138 (U-NII-3)	5690	19.66	6.50

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	83.10	30.19 > 24
106	5530	83.53	30.21 > 24
122	5610	98.58	30.93 > 24
138 (U-NII-2C)	5690	77.47	29.89 > 24

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

Spectrum Plot of Minimum Value



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, 60% RH	Tested By:	Henry
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	17.74	17.23	112.274	20.50	30	Pass
40	5200	20.66	20.28	223.072	23.48	30	Pass
48	5240	19.48	18.77	164.051	22.15	30	Pass
52	5260	18.88	18.45	147.252	21.68	24	Pass
60	5300	19.39	18.95	165.42	22.19	24	Pass
64	5320	17.58	17.22	110.003	20.41	24	Pass
100	5500	17.42	16.84	103.514	20.15	24	Pass
116	5580	19.39	18.86	163.809	22.14	24	Pass
140	5700	16.58	16.21	87.282	19.41	23.82	Pass
*144 (U-NII-2C)	5720	18.22	17.97	133.672	21.26	23.04	Pass
*144 (U-NII-3)	5720	10.20	9.58	20.252	13.06	30	Pass
149	5745	22.06	21.58	304.574	24.84	30	Pass
157	5785	22.15	21.72	312.653	24.95	30	Pass
165	5825	21.74	21.72	297.873	24.74	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	17.14	16.79	99.514	19.98	30	Pass
40	5200	20.12	19.76	197.425	22.95	30	Pass
48	5240	18.81	18.45	146.017	21.64	30	Pass
52	5260	18.58	18.23	138.638	21.42	24	Pass
60	5300	19.73	19.36	180.27	22.56	24	Pass
64	5320	17.25	16.70	99.862	19.99	24	Pass
100	5500	16.85	16.45	92.574	19.66	24	Pass
116	5580	19.71	19.32	179.047	22.53	24	Pass
140	5700	15.96	16.71	86.327	19.36	24	Pass
*144 (U-NII-2C)	5720	17.64	17.11	136.58	21.35	22.89	Pass
*144 (U-NII-3)	5720	12.49	11.65	40.374	16.06	30	Pass
149	5745	22.13	21.62	308.516	24.89	30	Pass
157	5785	22.04	21.75	309.579	24.91	30	Pass
165	5825	21.65	21.72	294.811	24.70	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	16.11	15.45	75.907	18.80	30	Pass
46	5230	19.16	18.83	158.797	22.01	30	Pass
54	5270	18.60	18.18	138.209	21.41	24	Pass
62	5310	15.74	15.61	73.889	18.69	24	Pass
102	5510	15.37	15.06	66.498	18.23	24	Pass
110	5550	19.35	18.75	161.089	22.07	24	Pass
134	5670	17.48	17.04	106.558	20.28	24	Pass
*142 (U-NII-2C)	5710	18.66	18.29	176.661	22.47	24	Pass
*142 (U-NII-3)	5710	9.12	7.73	17.672	12.47	30	Pass
151	5755	21.80	21.76	301.325	24.79	30	Pass
159	5795	21.95	21.64	302.557	24.81	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.76	15.31	71.633	18.55	30	Pass
58	5290	14.97	14.44	59.202	17.72	24	Pass
106	5530	15.39	14.96	65.927	18.19	24	Pass
122	5610	19.17	18.68	156.394	21.94	24	Pass
*138 (U-NII-2C)	5690	18.81	18.04	174.422	22.42	24	Pass
*138 (U-NII-3)	5690	5.35	4.78	8.032	9.05	30	Pass
155	5775	18.17	18.04	129.294	21.12	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.5 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	17.14	16.79	99.514	19.98	28.49	Pass
40	5200	20.12	19.76	197.425	22.95	28.49	Pass
48	5240	18.81	18.45	146.017	21.64	28.49	Pass
52	5260	18.58	18.23	138.638	21.42	22.49	Pass
60	5300	19.36	18.96	165.002	22.17	22.49	Pass
64	5320	17.25	16.70	99.862	19.99	22.49	Pass
100	5500	16.85	16.45	92.574	19.66	22.49	Pass
116	5580	19.31	18.88	162.578	22.11	22.49	Pass
140	5700	15.96	16.71	86.327	19.36	22.49	Pass
*144 (U-NII-2C)	5720	17.64	17.11	136.58	21.35	21.38	Pass
*144 (U-NII-3)	5720	12.49	11.65	40.374	16.06	28.49	Pass
149	5745	22.13	21.62	308.516	24.89	28.49	Pass
157	5785	22.04	21.75	309.579	24.91	28.49	Pass
165	5825	21.65	21.72	294.811	24.70	28.49	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to 30-(7.51-6) = 28.49 dBm.
- For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.51-6)].
- For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.51-6)].
- For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to 30-(7.51-6) = 28.49 dBm.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	16.11	15.45	75.907	18.80	28.49	Pass
46	5230	19.16	18.83	158.797	22.01	28.49	Pass
54	5270	18.60	18.18	138.209	21.41	22.49	Pass
62	5310	15.74	15.61	73.889	18.69	22.49	Pass
102	5510	15.37	15.06	66.498	18.23	22.49	Pass
110	5550	19.35	18.75	161.089	22.07	22.49	Pass
134	5670	17.48	17.04	106.558	20.28	22.49	Pass
*142 (U-NII-2C)	5710	18.66	18.29	176.661	22.47	22.49	Pass
*142 (U-NII-3)	5710	9.12	7.73	17.672	12.47	28.49	Pass
151	5755	21.80	21.76	301.325	24.79	28.49	Pass
159	5795	21.95	21.64	302.557	24.81	28.49	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.51 - 6) = 28.49$ dBm.
- For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.51 - 6)].
- For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.51 - 6)].
- For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.51 - 6) = 28.49$ dBm.

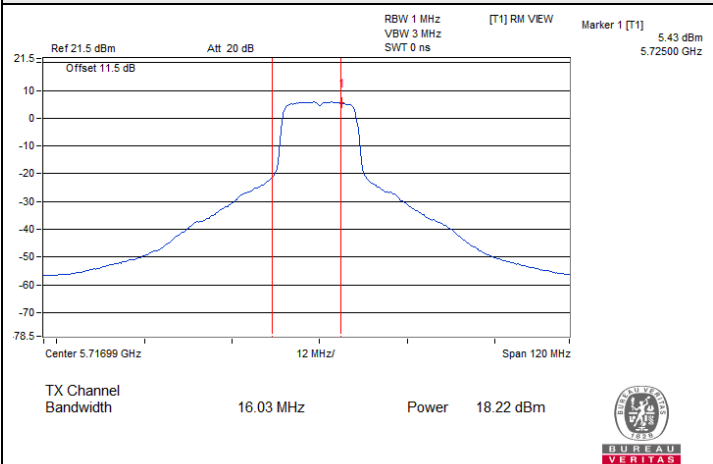
802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.76	15.31	71.633	18.55	28.49	Pass
58	5290	14.97	14.44	59.202	17.72	22.49	Pass
106	5530	15.39	14.96	65.927	18.19	22.49	Pass
122	5610	19.17	18.68	156.394	21.94	22.49	Pass
*138 (U-NII-2C)	5690	18.81	18.04	174.422	22.42	22.49	Pass
*138 (U-NII-3)	5690	5.35	4.78	8.032	9.05	28.49	Pass
155	5775	18.17	18.04	129.294	21.12	28.49	Pass

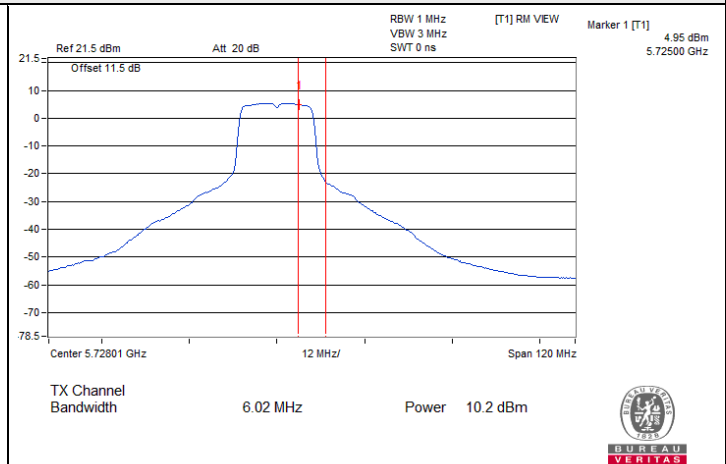
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2A and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.51 - 6) = 28.49$ dBm.
- For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.51 - 6)].
- For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.51 - 6)].
- For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (7.51 - 6) = 28.49$ dBm.

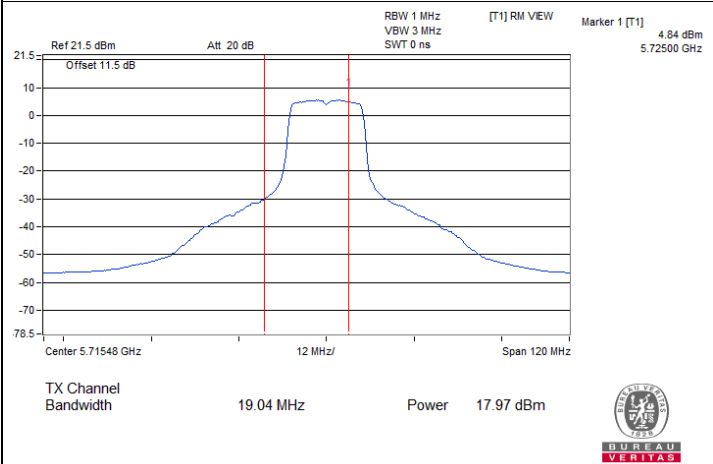
Spectrum Plot for channel straddling



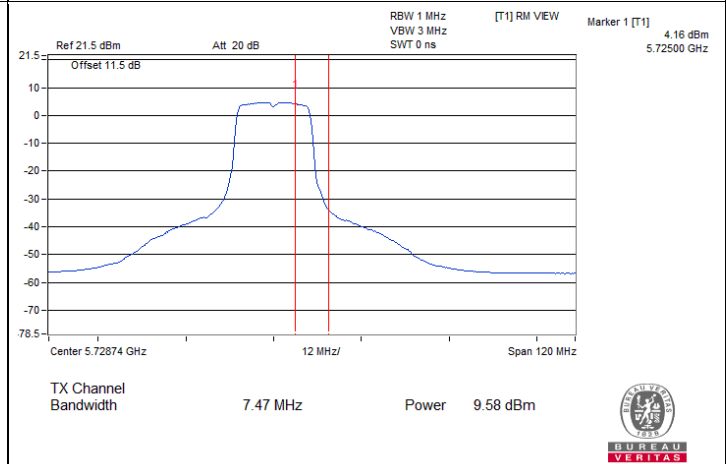
802.11a / Chain 0 : CH 144 (U-NII-2C)



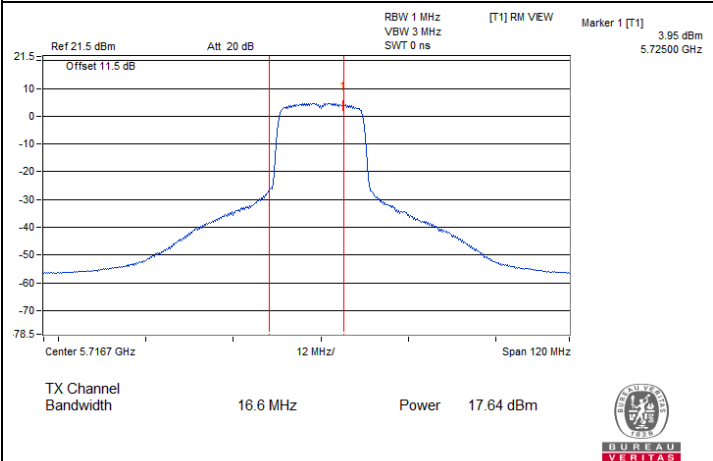
802.11a / Chain 0 : CH 144 (U-NII-3)



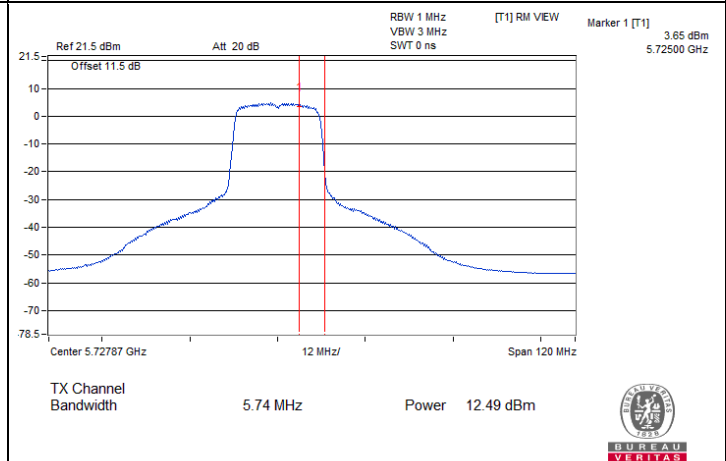
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

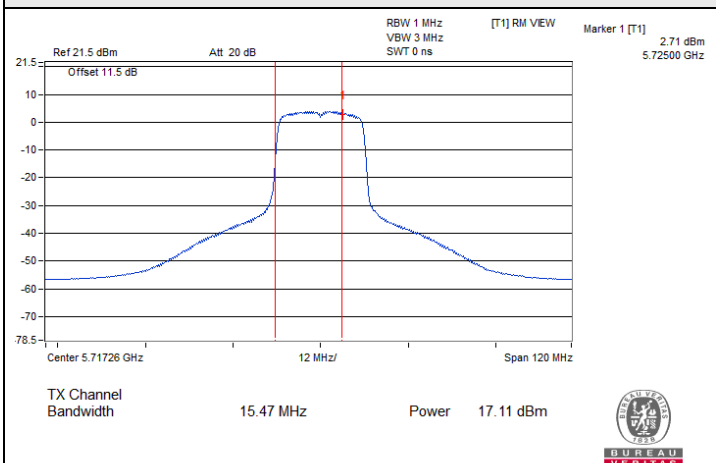


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)

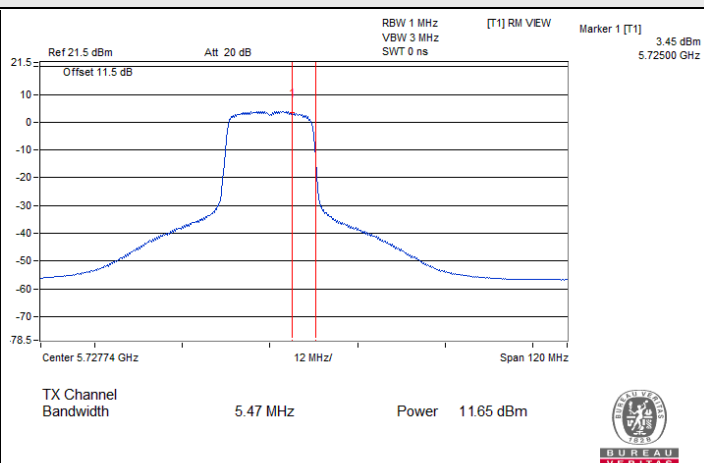


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)

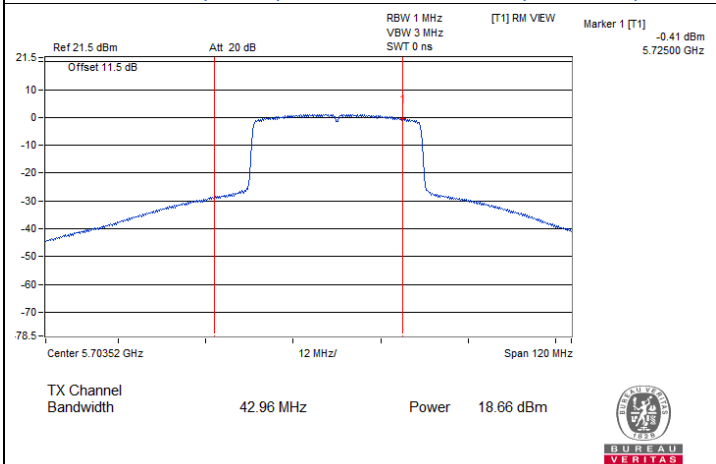
Spectrum Plot for channel straddling



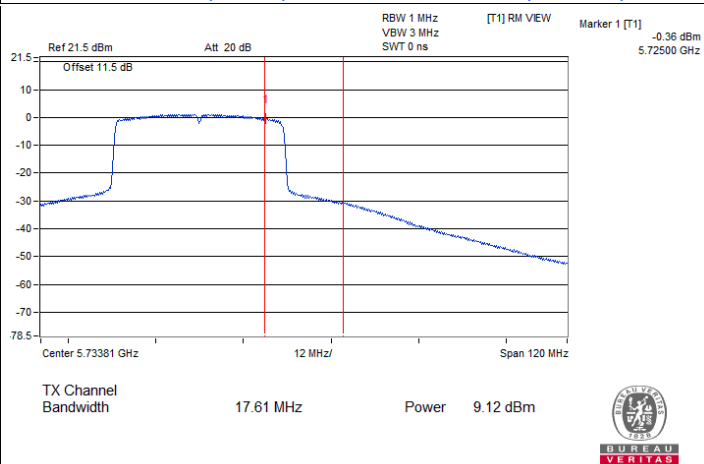
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)



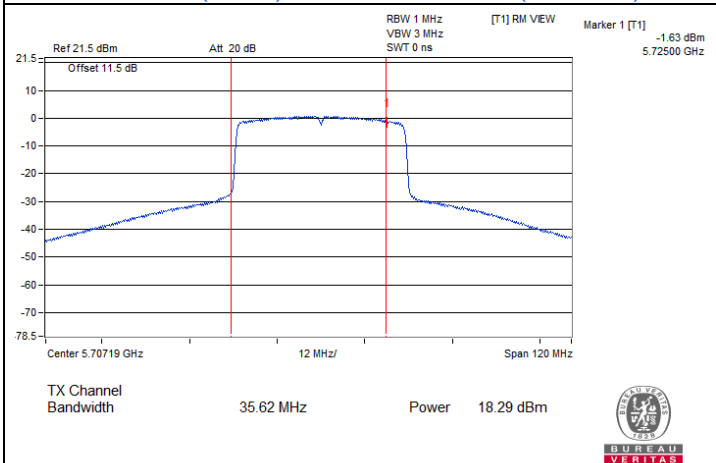
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



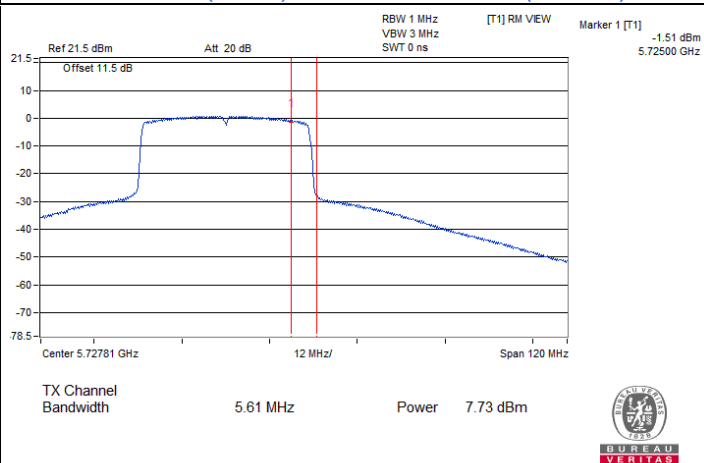
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



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

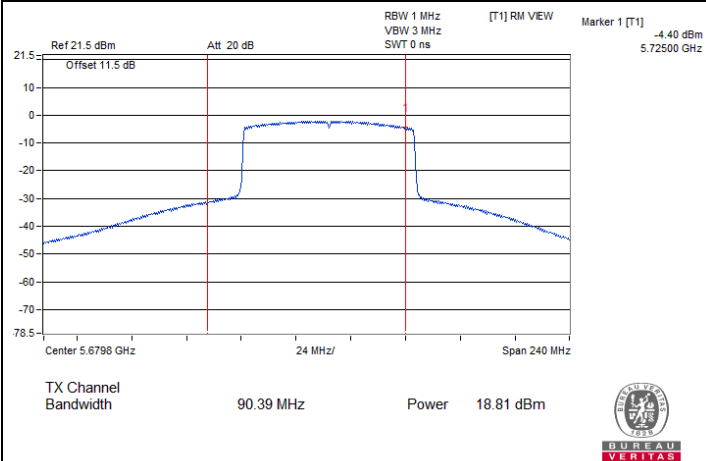


802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)

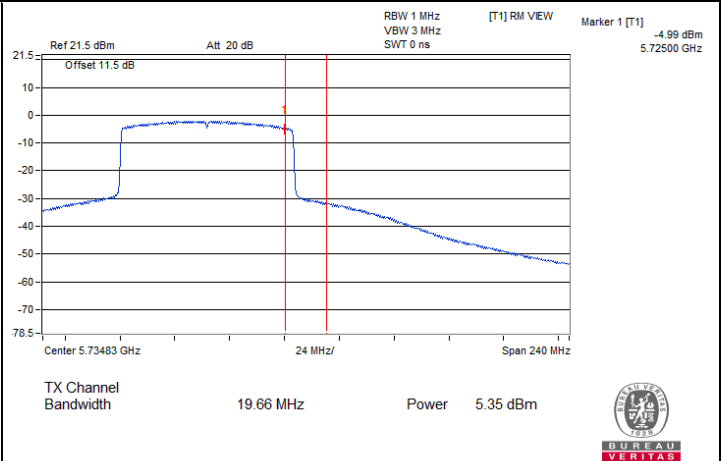


802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)

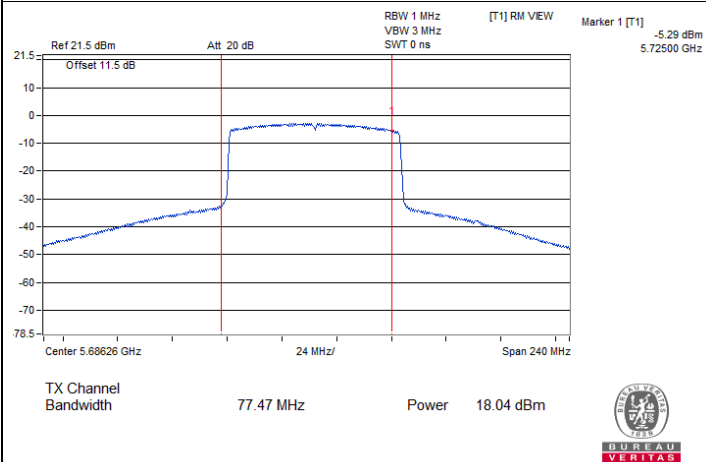
Spectrum Plot for channel straddling



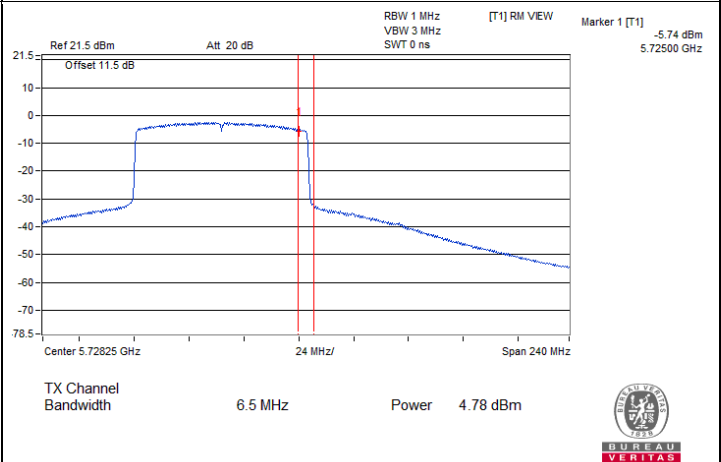
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

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

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	3.78	3.70	0.15	6.90	15.49	Pass
40	5200	6.83	6.62	0.15	9.89	15.49	Pass
48	5240	5.64	5.42	0.15	8.69	15.49	Pass
52	5260	5.30	4.98	0.15	8.30	9.49	Pass
60	5300	5.61	5.64	0.15	8.79	9.49	Pass
64	5320	3.80	3.88	0.15	7.00	9.49	Pass
100	5500	3.82	3.23	0.15	6.70	9.49	Pass
116	5580	5.54	5.48	0.15	8.67	9.49	Pass
140	5700	2.82	2.45	0.15	5.80	9.49	Pass
144 (U-NII-2C)	5720	5.52	5.39	0.15	8.62	9.49	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-1, the directional gain is 7.51 dBi > 6dBi, so the power density limit shall be reduced to $17 - (7.51 - 6) = 15.49$ dBm/MHz.
4. For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.51 - 6) = 9.49$ dBm/MHz.
5. For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.51 - 6) = 9.49$ dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	2.03	1.83	0.96	5.90	15.49	Pass
40	5200	4.76	4.92	0.96	8.81	15.49	Pass
48	5240	3.61	3.41	0.96	7.48	15.49	Pass
52	5260	3.37	3.32	0.96	7.32	9.49	Pass
60	5300	4.65	4.42	0.96	8.51	9.49	Pass
64	5320	1.96	1.75	0.96	5.83	9.49	Pass
100	5500	1.69	1.54	0.96	5.59	9.49	Pass
116	5580	4.85	4.63	0.96	8.71	9.49	Pass
140	5700	1.74	1.50	0.96	5.59	9.49	Pass
144 (U-NII-2C)	5720	4.79	4.39	0.96	8.56	9.49	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-1, the directional gain is 7.51 dBi > 6dBi, so the power density limit shall be reduced to $17 - (7.51 - 6) = 15.49$ dBm/MHz.
4. For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.51 - 6) = 9.49$ dBm/MHz.
5. For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11 - (7.51 - 6) = 9.49$ dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
38	5190	-1.28	-1.36	0.98	2.67	15.49	Pass
46	5230	1.51	1.57	0.98	5.53	15.49	Pass
54	5270	0.74	0.56	0.98	4.64	9.49	Pass
62	5310	-9.94	-7.81	0.98	-4.76	9.49	Pass
102	5510	-9.87	-8.72	0.98	-5.27	9.49	Pass
110	5550	-3.80	-4.83	0.98	-0.29	9.49	Pass
134	5670	-6.32	-8.73	0.98	-3.37	9.49	Pass
142 (U-NII-2C)	5710	3.83	3.17	0.98	7.50	9.49	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.51 dBi > 6dBi, so the power density limit shall be reduced to $17-(7.51-6) = 15.49$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.51-6) = 9.49$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.51-6) = 9.49$ dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-5.05	-5.09	0.96	-1.10	15.49	Pass
58	5290	-5.38	-5.78	0.96	-1.61	9.49	Pass
106	5530	-4.99	-5.59	0.96	-1.31	9.49	Pass
122	5610	-1.30	-1.64	0.96	2.50	9.49	Pass
138 (U-NII-2C)	5690	-0.41	-0.60	0.96	3.47	9.49	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.51 dBi > 6dBi, so the power density limit shall be reduced to $17-(7.51-6) = 15.49$ dBm/MHz.
- For U-NII-2A, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.51-6) = 9.49$ dBm/MHz.
- For U-NII-2C, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $11-(7.51-6) = 9.49$ dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-3.06	-3.18	-0.11	0.15	2.26	28.49	Pass
149	5745	0.17	-0.22	2.99	0.15	5.36	28.49	Pass
157	5785	-0.11	-0.23	2.84	0.15	5.21	28.49	Pass
165	5825	-0.22	-0.23	2.79	0.15	5.16	28.49	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.51-6) = 28.49 dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-5.06	-5.39	-2.21	0.96	0.97	28.49	Pass
149	5745	-2.17	-2.29	0.78	0.96	3.96	28.49	Pass
157	5785	-1.95	-2.26	0.91	0.96	4.09	28.49	Pass
165	5825	-2.10	-2.67	0.63	0.96	3.81	28.49	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.51-6) = 28.49 dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
142 (U-NII-3)	5710	-6.88	-7.28	-4.07	0.98	-0.87	28.49	Pass
151	5755	-4.61	-5.07	-1.82	0.98	1.38	28.49	Pass
159	5795	-4.09	-4.56	-1.31	0.98	1.89	28.49	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.51-6) = 28.49 dBm/500kHz.

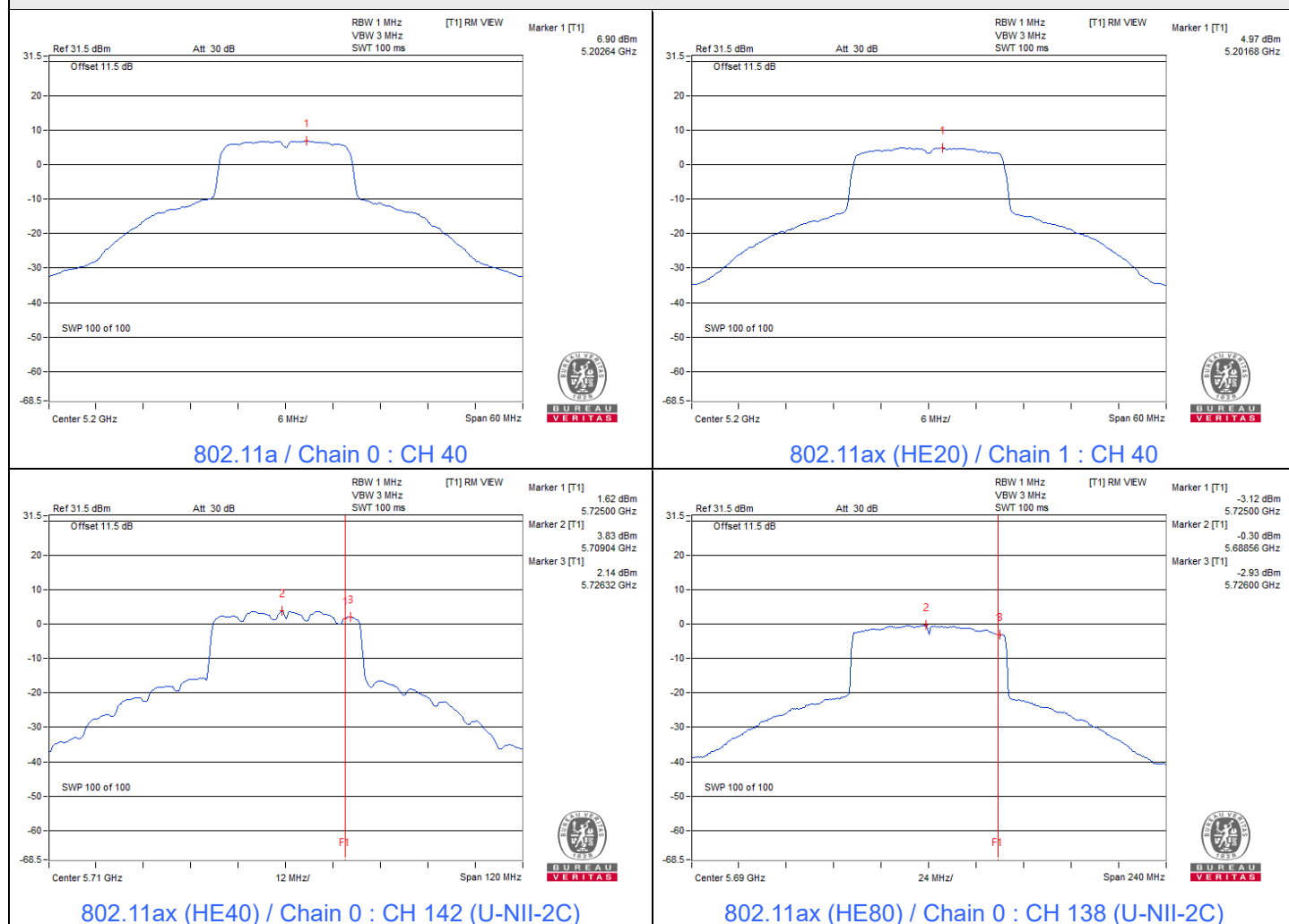
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
138 (U-NII-3)	5690	-11.79	-12.67	-9.2	0.96	-6.02	28.49	Pass
155	5775	-11.39	-11.99	-8.67	0.96	-5.49	28.49	Pass

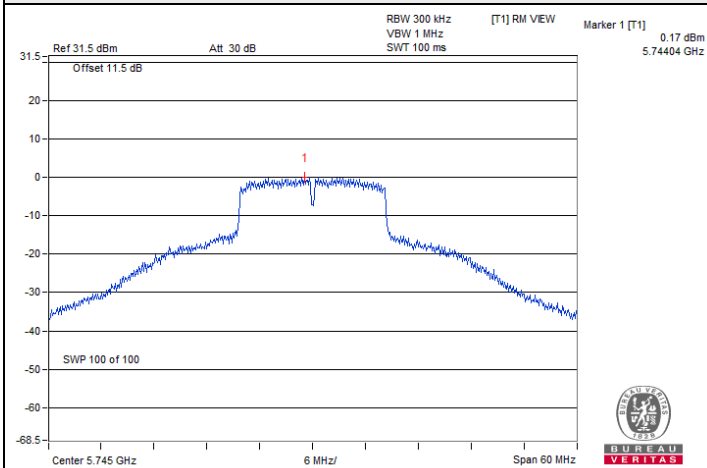
Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-3, the directional gain is 7.51 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.51 - 6) = 28.49$ dBm/500kHz.

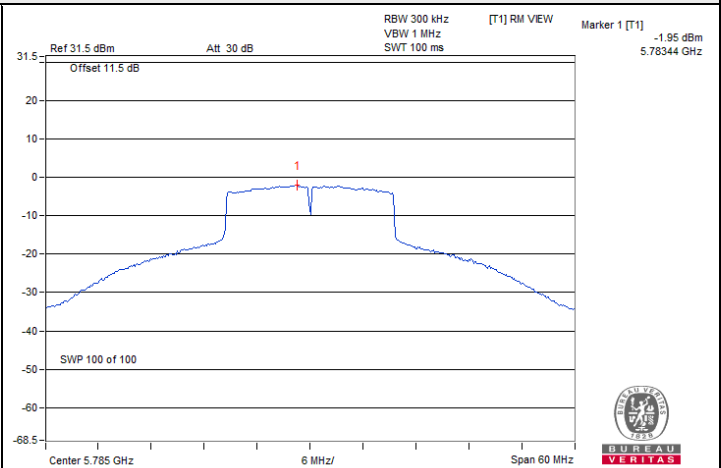
Spectrum Plot of Maximum Value



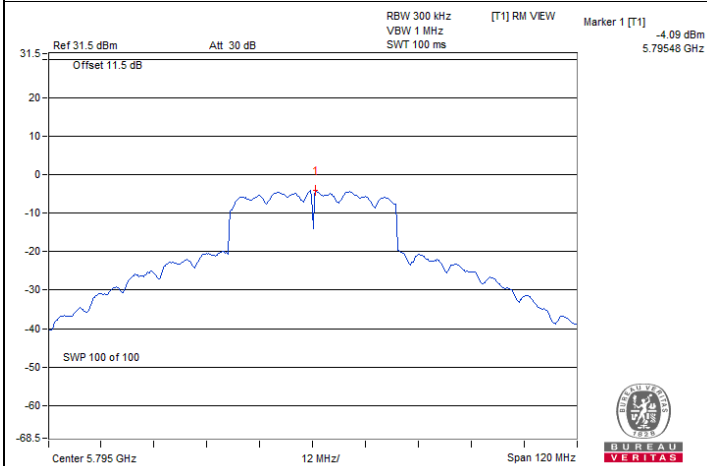
Spectrum Plot of Maximum Value



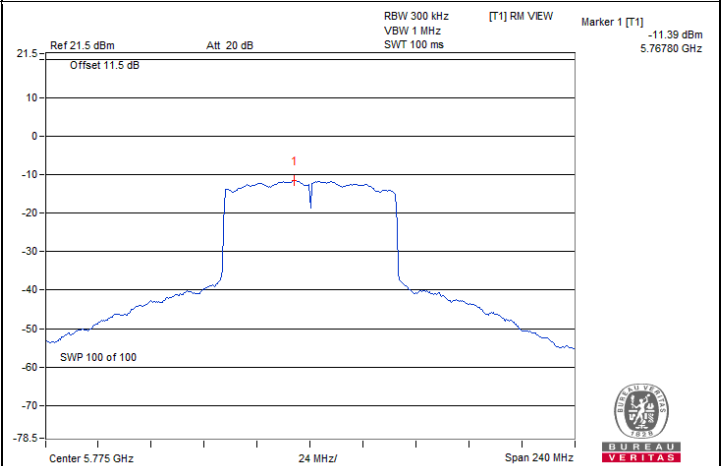
802.11a / Chain 0 : CH 149



802.11ax (HE20) / Chain 0 : 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, 60% RH	Tested By:	Henry
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.91	2.90	0.5	Pass
149	5745	16.28	15.42	0.5	Pass
157	5785	15.97	15.93	0.5	Pass
165	5825	16.34	15.75	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	4.25	4.32	0.5	Pass
149	5745	17.82	18.69	0.5	Pass
157	5785	18.54	18.69	0.5	Pass
165	5825	18.49	18.64	0.5	Pass

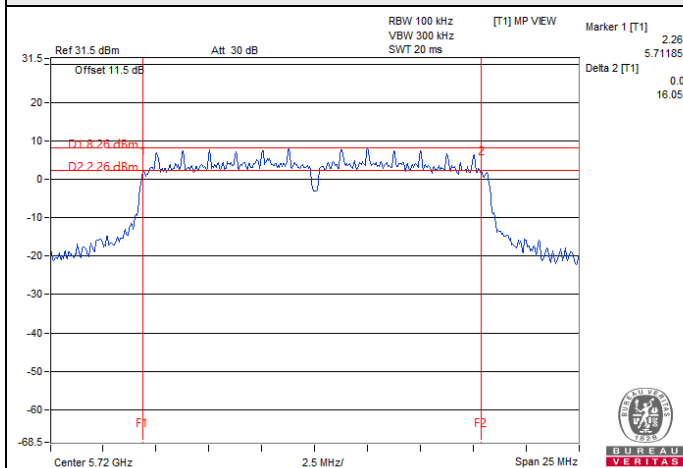
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.67	3.73	0.5	Pass
151	5755	37.78	36.65	0.5	Pass
159	5795	36.78	37.48	0.5	Pass

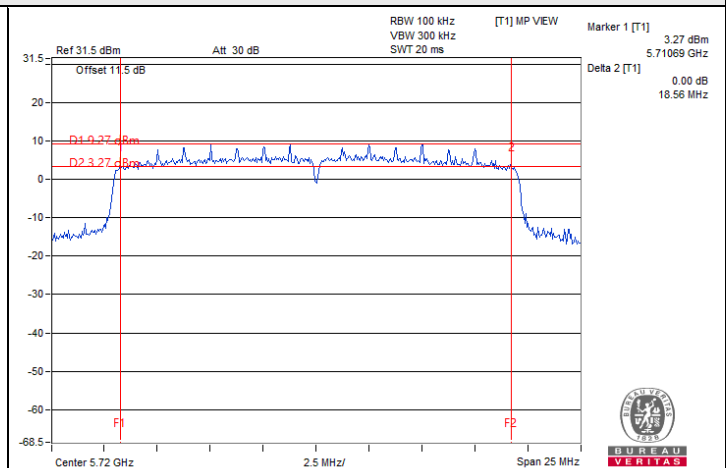
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.12	2.77	0.5	Pass
155	5775	77.29	76.48	0.5	Pass

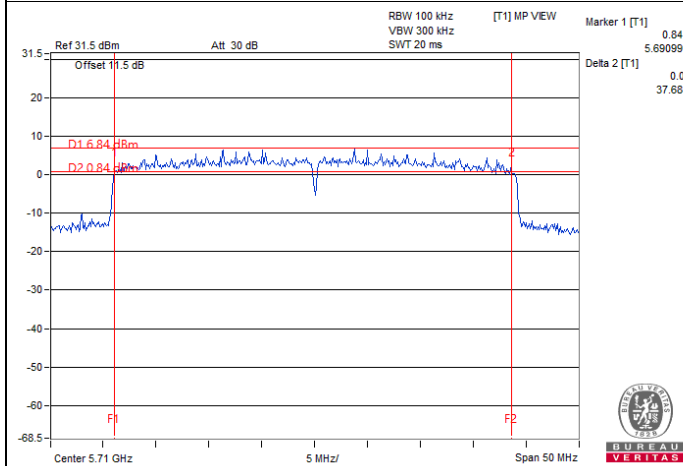
Spectrum Plot of Minimum Value



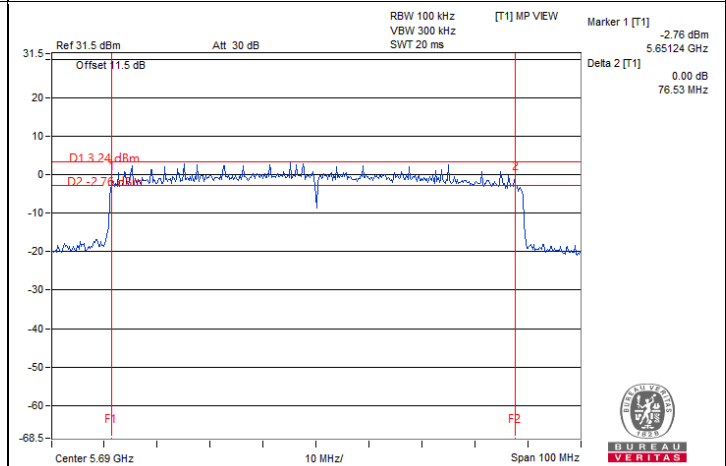
802.11a / Chain 1 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.68	16.44
40	5200	27.84	28.56
48	5240	17.16	16.80
52	5260	17.76	17.04
60	5300	20.28	18.72
64	5320	16.68	16.56
100	5500	16.44	16.44
116	5580	17.52	16.92
140	5700	16.44	16.44
144 (U-NII-2C)	5720	13.40	13.40
144 (U-NII-3)	5720	3.28	3.16
149	5745	31.20	33.20
157	5785	32.20	29.40
165	5825	34.00	32.80

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.96
40	5200	24.84	23.28
48	5240	19.32	19.08
52	5260	19.08	19.08
60	5300	22.20	21.24
64	5320	18.96	18.96
100	5500	19.08	18.96
116	5580	19.44	19.44
140	5700	18.96	18.84
144 (U-NII-2C)	5720	14.48	14.48
144 (U-NII-3)	5720	4.48	4.48
149	5745	32.90	33.10
157	5785	35.20	34.40
165	5825	35.20	36.80

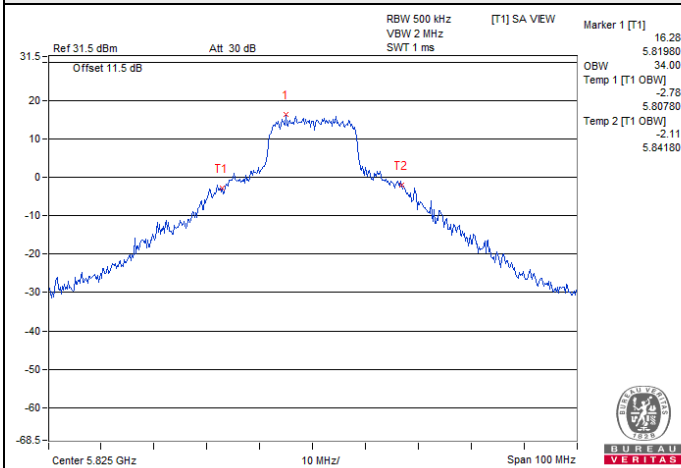
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	38.88	38.64
54	5270	38.16	38.40
62	5310	38.16	37.92
102	5510	37.68	37.92
110	5550	38.64	39.12
134	5670	37.92	38.16
142 (U-NII-2C)	5710	34.20	34.20
142 (U-NII-3)	5710	3.96	3.96
151	5755	54.48	52.32
159	5795	69.96	66.84

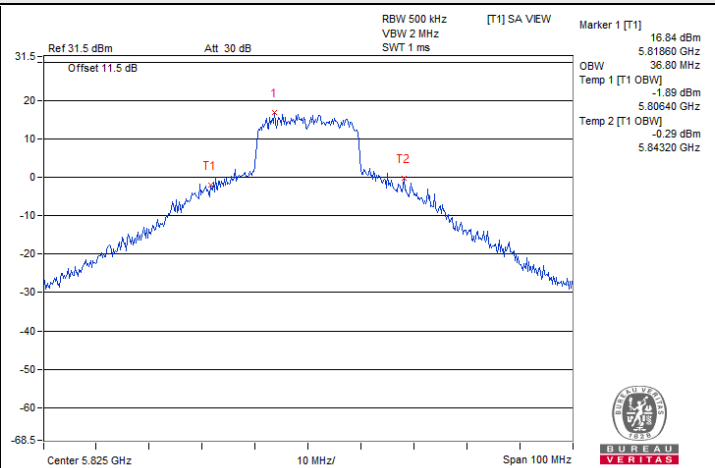
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
58	5290	77.28	77.28
106	5530	77.28	77.28
122	5610	78.24	78.24
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.40	3.40
155	5775	77.52	77.52

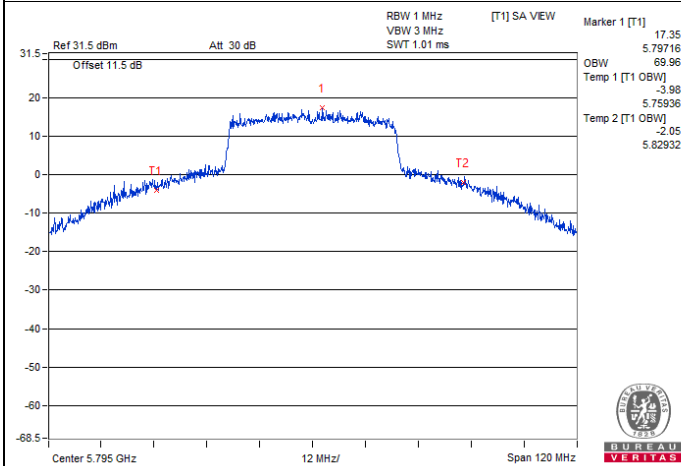
Spectrum Plot of Maximum Value



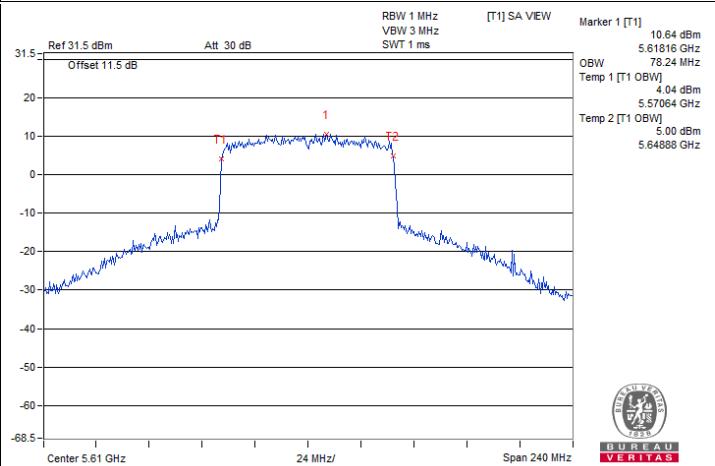
802.11a / Chain 0 : CH 165



802.11ax (HE20) / Chain 1 : CH 165

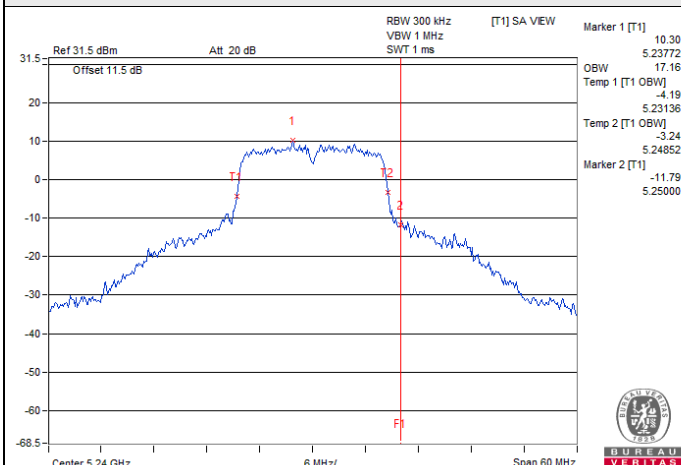


802.11ax (HE40) / Chain 0 : CH 159

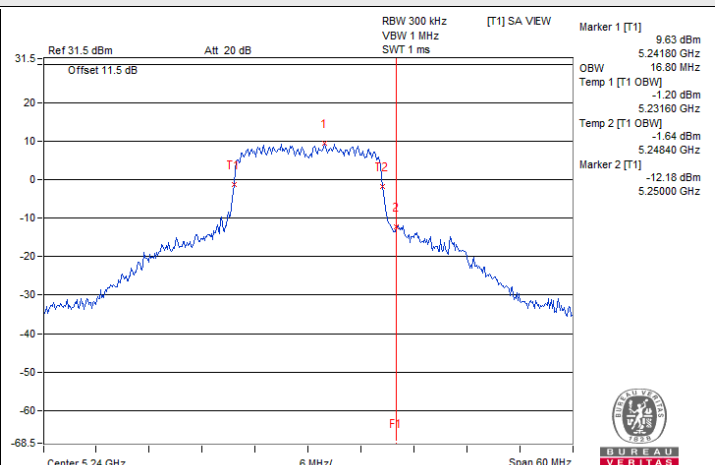


802.11ax (HE80) / Chain 0 : CH 122

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

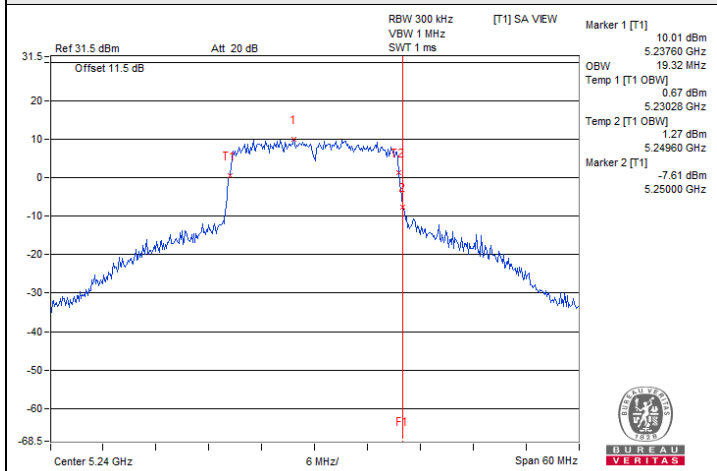


802.11a / Chain 0 : CH 48

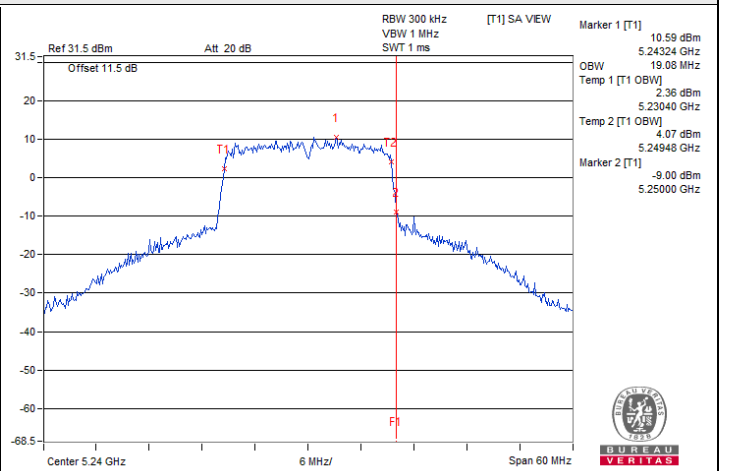


802.11a / Chain 1 : CH 48

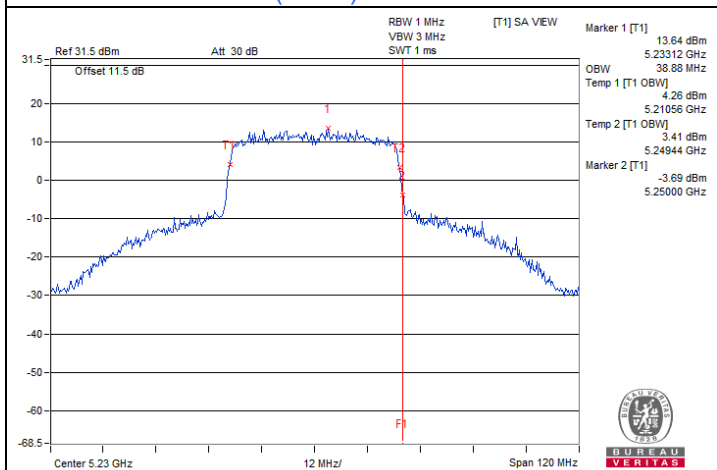
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



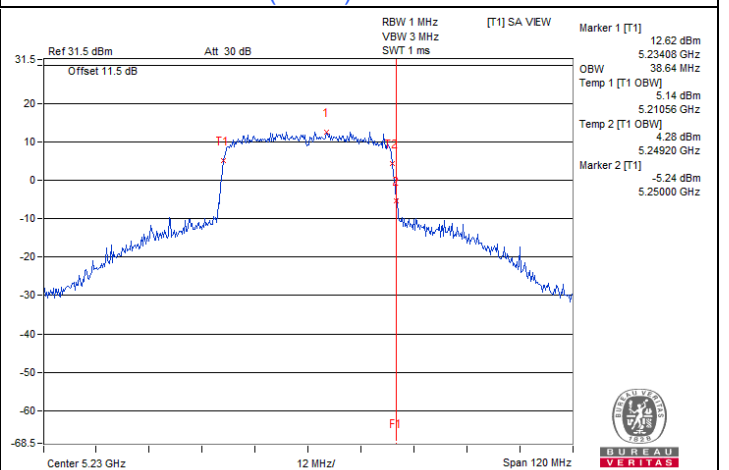
802.11ax (HE20) / Chain 0 : CH 48



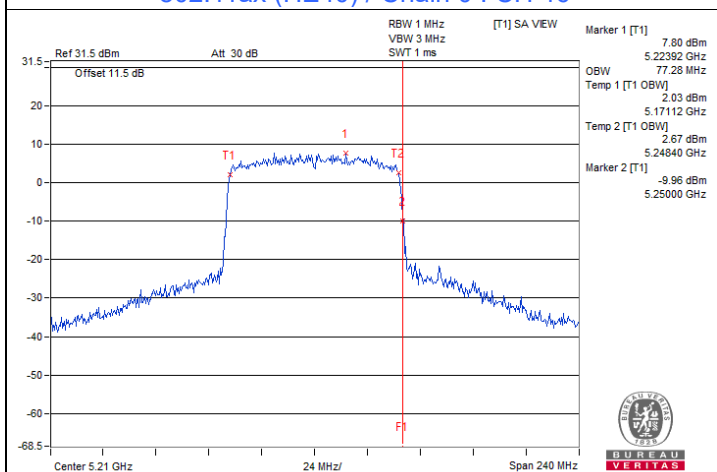
802.11ax (HE20) / Chain 1 : CH 48



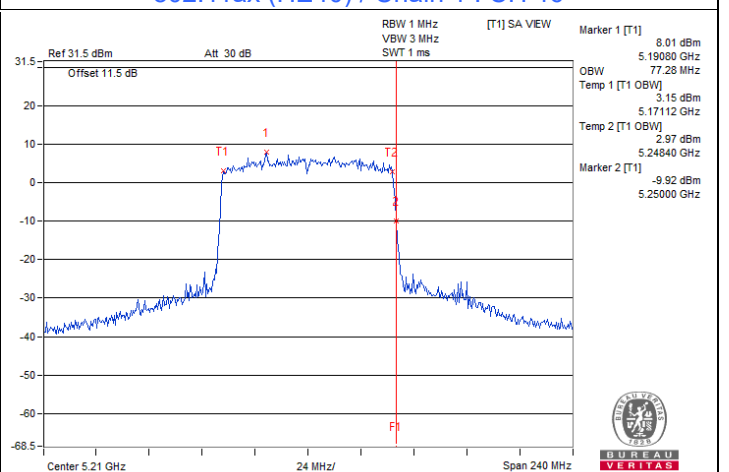
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46

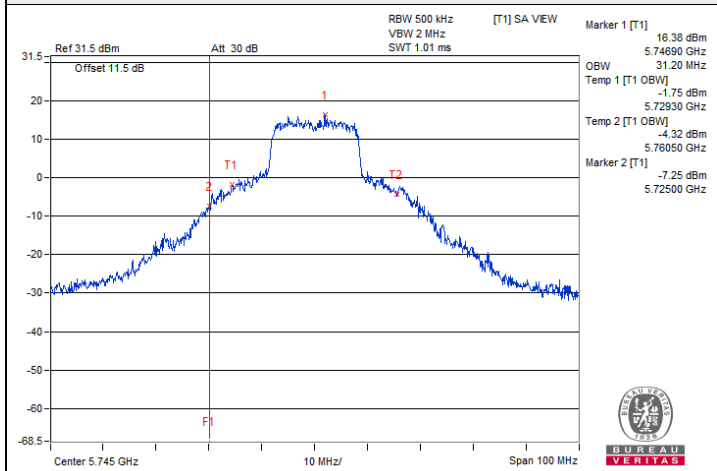


802.11ax (HE80) / Chain 0 : CH 42

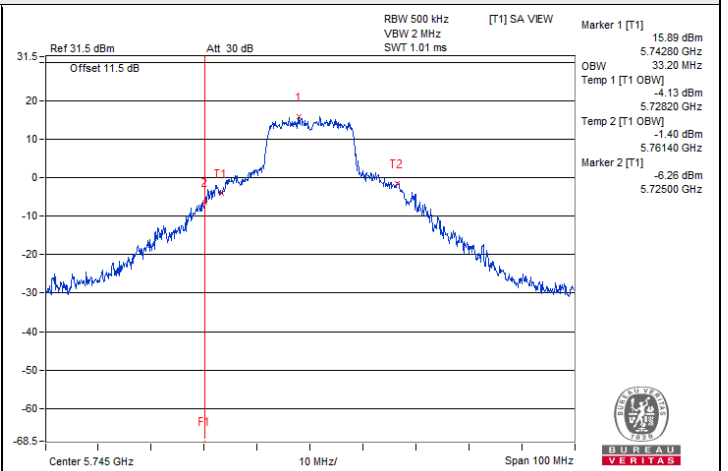


802.11ax (HE80) / Chain 1 : CH 42

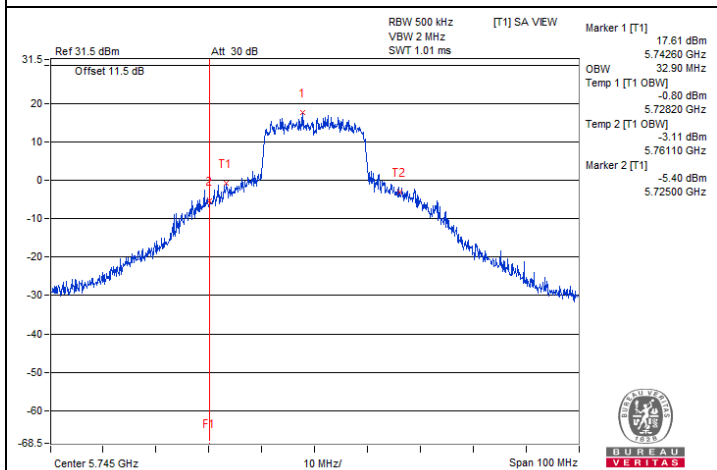
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



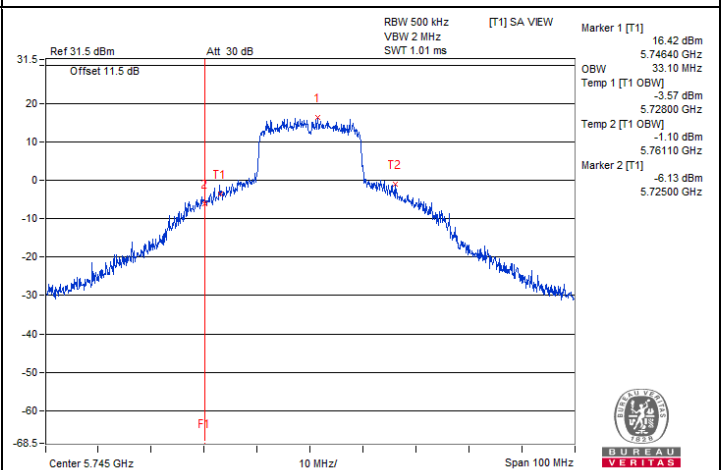
802.11a / Chain 0 : CH 149



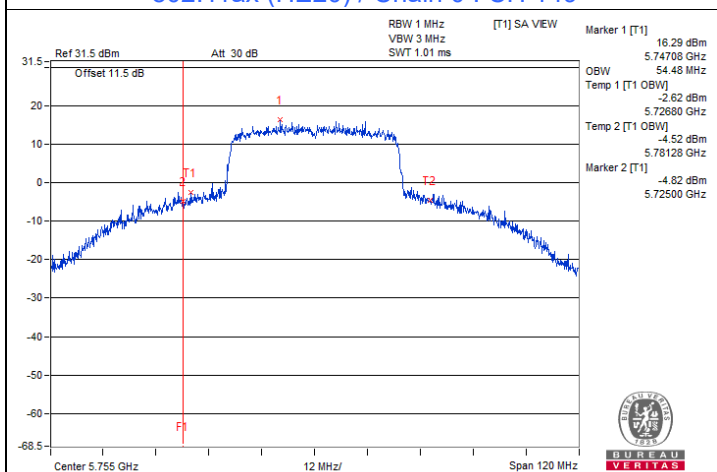
802.11a / Chain 1 : CH 149



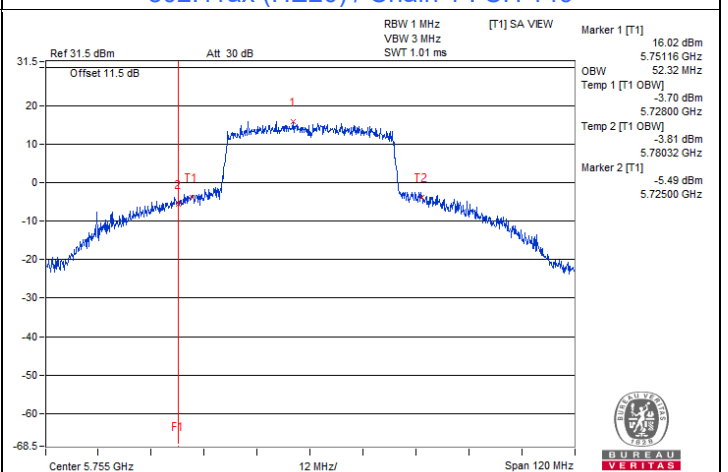
802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE20) / Chain 1 : CH 149

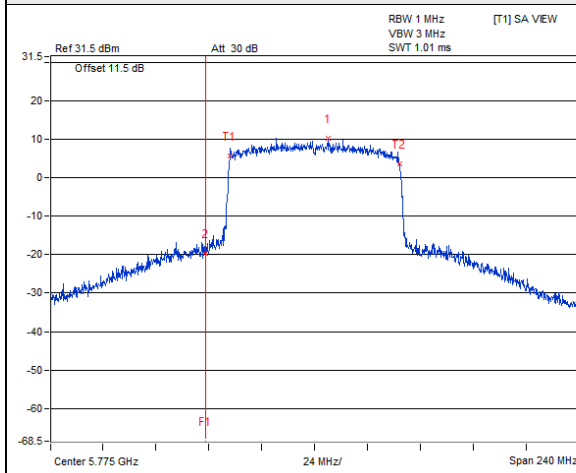


802.11ax (HE40) / Chain 0 : CH 151

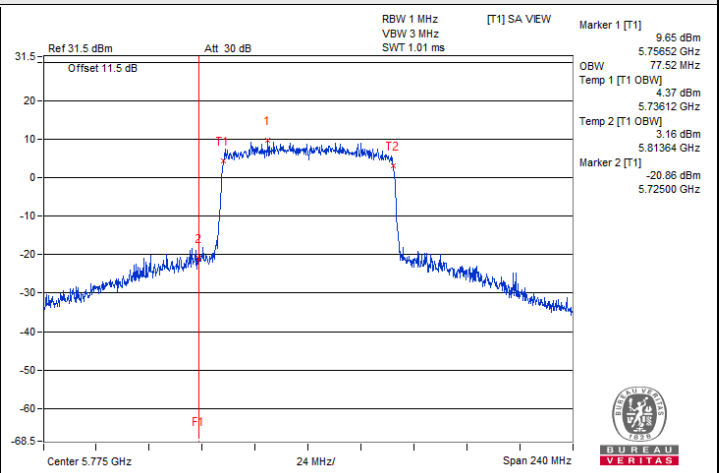


802.11ax (HE40) / Chain 1 : CH 151

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



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155



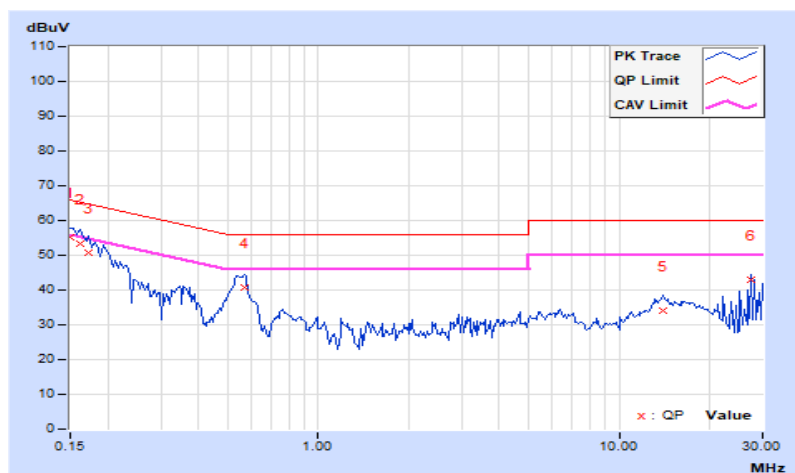
7.6 AC Power Conducted Emissions

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 76 % RH
Tested By	Andy Ho		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.01	45.17	29.93	55.18	39.94	66.00	56.00	-10.82	-16.06
2	0.16172	10.02	43.42	28.27	53.44	38.29	65.38	55.38	-11.94	-17.09
3	0.17344	10.02	40.75	25.58	50.77	35.60	64.79	54.79	-14.02	-19.19
4	0.56797	10.03	30.75	25.57	40.78	35.60	56.00	46.00	-15.22	-10.40
5	14.00391	10.74	23.23	17.51	33.97	28.25	60.00	50.00	-26.03	-21.75
6	27.53906	11.46	31.42	29.70	42.88	41.16	60.00	50.00	-17.12	-8.84

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

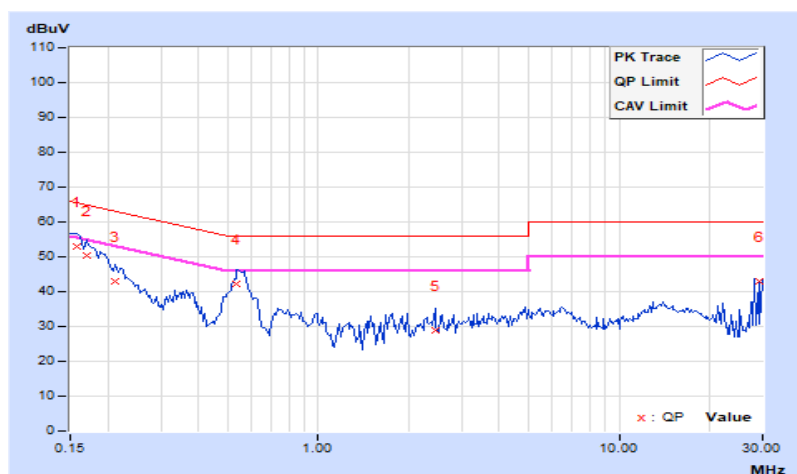


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 76 % RH
Tested By	Andy Ho		

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	0.15781	10.01	42.99	28.35	53.00	38.36	65.58	55.58	-12.58	-17.22
2	0.16953	10.01	40.43	25.01	50.44	35.02	64.98	54.98	-14.54	-19.96
3	0.21250	10.01	32.96	19.66	42.97	29.67	63.11	53.11	-20.14	-23.44
4	0.53672	10.02	32.37	26.88	42.39	36.90	56.00	46.00	-13.61	-9.10
5	2.45313	10.09	18.69	10.89	28.78	20.98	56.00	46.00	-27.22	-25.02
6	29.07031	11.10	31.82	29.90	42.92	41.00	60.00	50.00	-17.08	-9.00

Remarks:

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



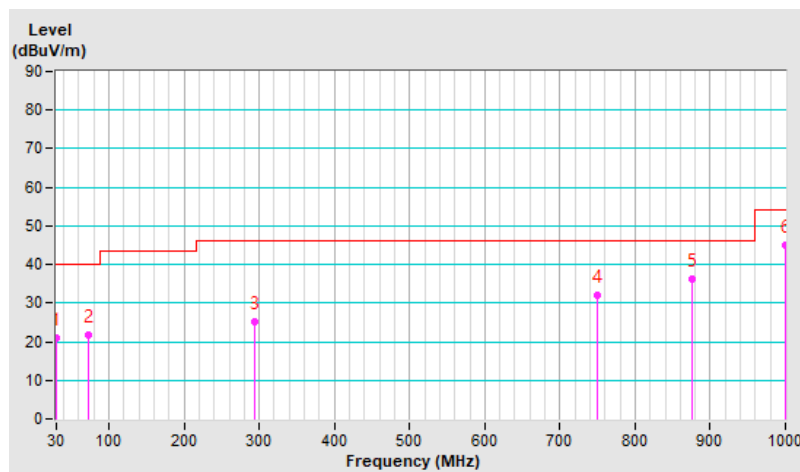
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.10	21.1 QP	40.0	-18.9	1.00 H	137	34.3	-13.2
2	73.55	21.6 QP	40.0	-18.4	3.00 H	100	37.7	-16.1
3	294.08	25.3 QP	46.0	-20.7	1.00 H	320	37.6	-12.3
4	750.03	31.9 QP	46.0	-14.1	1.00 H	217	33.4	-1.5
5	875.02	36.2 QP	46.0	-9.8	1.00 H	310	36.7	-0.5
6	999.98	45.1 QP	54.0	-8.9	1.00 H	360	43.3	1.8

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

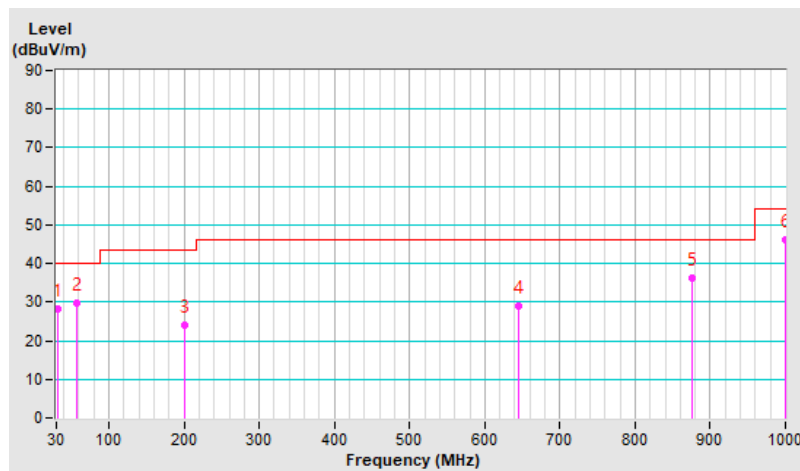


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.48	28.1 QP	40.0	-11.9	1.00 V	48	41.9	-13.8
2	58.11	29.8 QP	40.0	-10.2	2.00 V	360	43.1	-13.3
3	200.45	24.1 QP	43.5	-19.4	4.00 V	13	40.1	-16.0
4	644.40	28.9 QP	46.0	-17.1	3.00 V	312	32.8	-3.9
5	874.99	36.1 QP	46.0	-9.9	1.00 V	360	36.6	-0.5
6	999.99	46.0 QP	54.0	-8.0	1.00 V	248	44.2	1.8

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



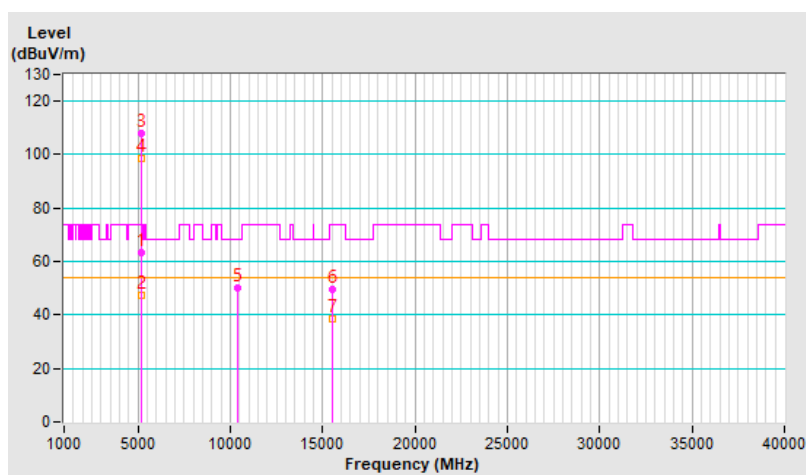
7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.50 H	166	60.8	2.6
2	5150.00	47.2 AV	54.0	-6.8	1.50 H	166	44.6	2.6
3	*5180.00	107.8 PK			1.50 H	166	105.3	2.5
4	*5180.00	98.6 AV			1.50 H	166	96.1	2.5
5	#10360.00	50.1 PK	68.2	-18.1	2.50 H	298	38.9	11.2
6	15540.00	49.5 PK	74.0	-24.5	1.16 H	277	37.9	11.6
7	15540.00	38.5 AV	54.0	-15.5	1.16 H	277	26.9	11.6

Remarks:

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

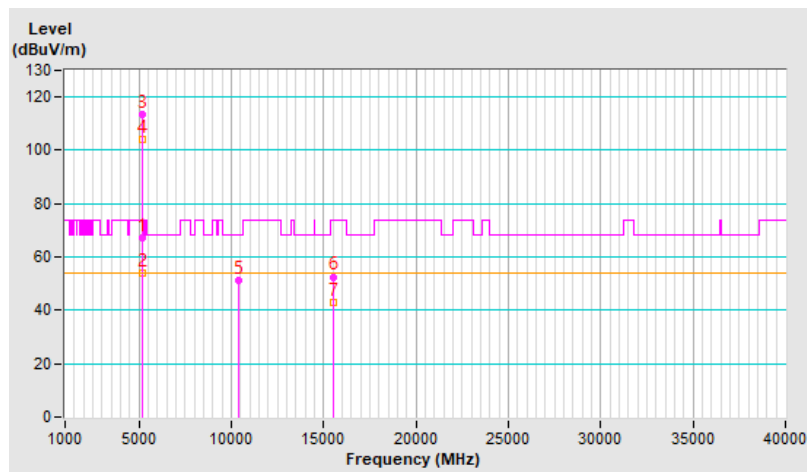


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.0 PK	74.0	-7.0	1.00 V	116	64.4	2.6
2	5150.00	53.8 AV	54.0	-0.2	1.00 V	116	51.2	2.6
3	*5180.00	113.2 PK			1.00 V	116	110.7	2.5
4	*5180.00	104.2 AV			1.00 V	116	101.7	2.5
5	#10360.00	51.3 PK	68.2	-16.9	1.01 V	214	40.1	11.2
6	15540.00	52.6 PK	74.0	-21.4	1.28 V	239	41.0	11.6
7	15540.00	42.7 AV	54.0	-11.3	1.28 V	239	31.1	11.6

Remarks:

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

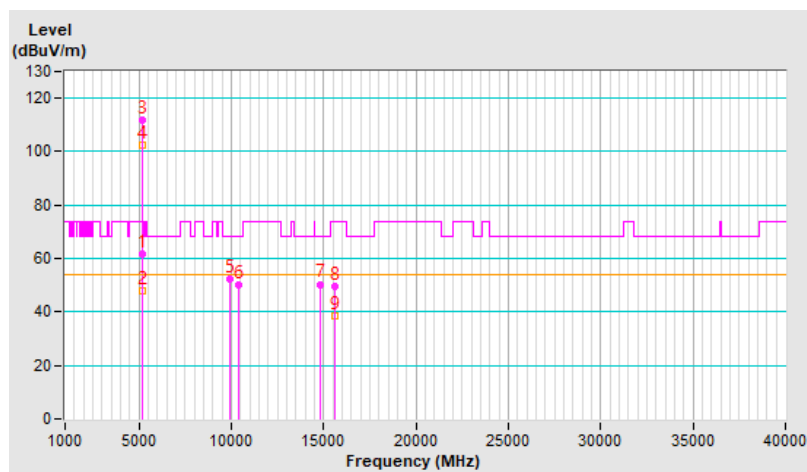


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.7 PK	74.0	-12.3	1.06 H	152	59.1	2.6
2	5150.00	47.7 AV	54.0	-6.3	1.06 H	152	45.1	2.6
3	*5200.00	111.7 PK			1.06 H	152	109.1	2.6
4	*5200.00	102.3 AV			1.06 H	152	99.7	2.6
5	#9888.00	52.3 PK	68.2	-15.9	1.16 H	262	41.3	11.0
6	#10400.00	50.2 PK	68.2	-18.0	2.46 H	283	38.8	11.4
7	#14831.00	50.4 PK	68.2	-17.8	1.37 H	44	36.4	14.0
8	15600.00	49.8 PK	74.0	-24.2	1.20 H	292	38.4	11.4
9	15600.00	38.5 AV	54.0	-15.5	1.20 H	292	27.1	11.4

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.

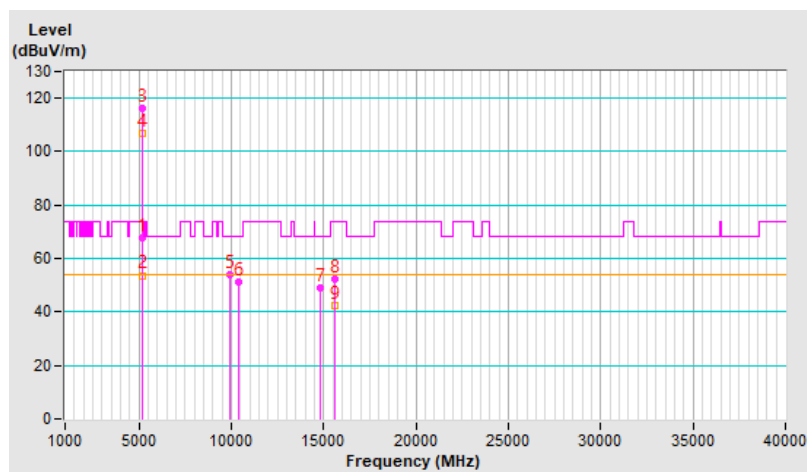


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.8 PK	74.0	-6.2	1.98 V	102	65.2	2.6
2	5150.00	53.7 AV	54.0	-0.3	1.98 V	102	51.1	2.6
3	*5200.00	116.4 PK			1.98 V	102	113.8	2.6
4	*5200.00	107.0 AV			1.98 V	102	104.4	2.6
5	#9888.00	53.9 PK	68.2	-14.3	1.31 V	155	42.9	11.0
6	#10400.00	51.0 PK	68.2	-17.2	1.50 V	334	39.6	11.4
7	#14831.00	49.0 PK	68.2	-19.2	1.00 V	212	35.0	14.0
8	15600.00	52.5 PK	74.0	-21.5	1.27 V	233	41.1	11.4
9	15600.00	42.4 AV	54.0	-11.6	1.27 V	233	31.0	11.4

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.

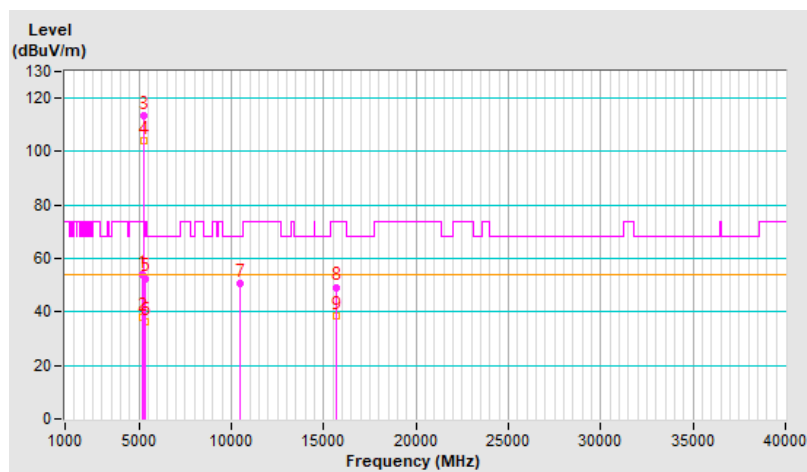


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.09 H	157	51.6	2.6
2	5150.00	38.1 AV	54.0	-15.9	1.09 H	157	35.5	2.6
3	*5240.00	113.3 PK			1.09 H	157	111.0	2.3
4	*5240.00	104.0 AV			1.09 H	157	101.7	2.3
5	5350.00	52.6 PK	74.0	-21.4	1.09 H	157	50.1	2.5
6	5350.00	36.2 AV	54.0	-17.8	1.09 H	157	33.7	2.5
7	#10480.00	50.5 PK	68.2	-17.7	2.41 H	269	38.8	11.7
8	15720.00	49.3 PK	74.0	-24.7	1.25 H	280	37.2	12.1
9	15720.00	38.3 AV	54.0	-15.7	1.25 H	280	26.2	12.1

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.

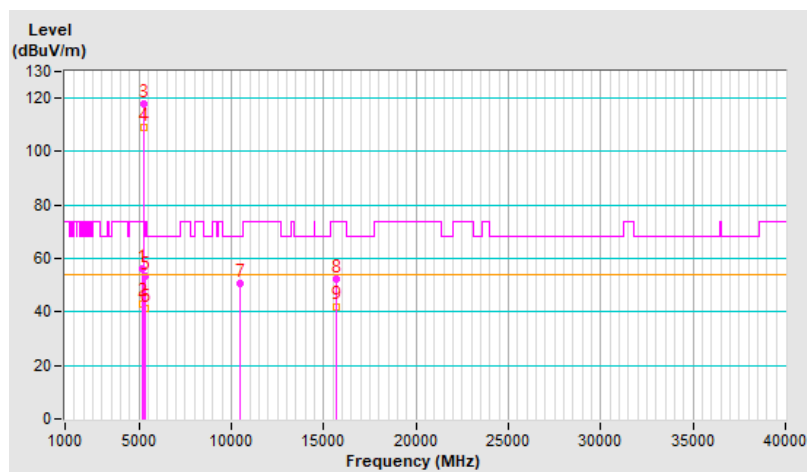


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	2.38 V	242	53.5	2.6
2	5150.00	43.2 AV	54.0	-10.8	2.38 V	242	40.6	2.6
3	*5240.00	118.0 PK			2.38 V	242	115.7	2.3
4	*5240.00	108.8 AV			2.38 V	242	106.5	2.3
5	5350.00	53.4 PK	74.0	-20.6	2.38 V	242	50.9	2.5
6	5350.00	41.3 AV	54.0	-12.7	2.38 V	242	38.8	2.5
7	#10480.00	50.8 PK	68.2	-17.4	1.51 V	323	39.1	11.7
8	15720.00	52.3 PK	74.0	-21.7	1.33 V	224	40.2	12.1
9	15720.00	42.1 AV	54.0	-11.9	1.33 V	224	30.0	12.1

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.

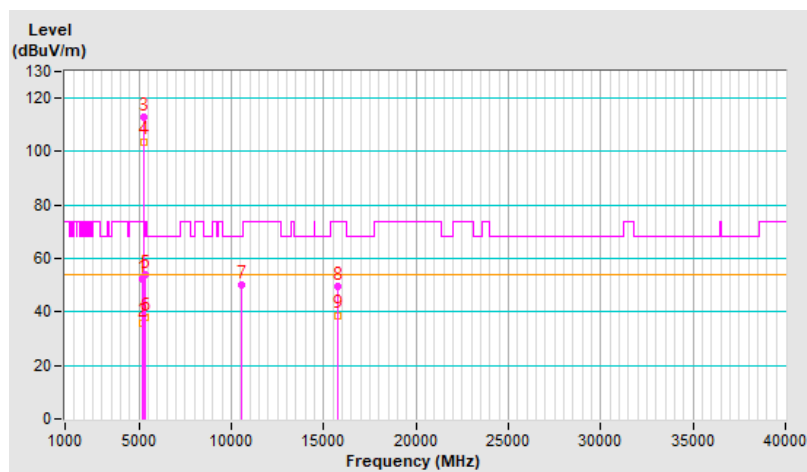


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.1 PK	74.0	-21.9	1.15 H	163	49.5	2.6
2	5150.00	35.8 AV	54.0	-18.2	1.15 H	163	33.2	2.6
3	*5260.00	113.0 PK			1.15 H	163	110.8	2.2
4	*5260.00	103.8 AV			1.15 H	163	101.6	2.2
5	5350.00	54.2 PK	74.0	-19.8	1.15 H	163	51.7	2.5
6	5350.00	38.0 AV	54.0	-16.0	1.15 H	163	35.5	2.5
7	#10520.00	50.2 PK	68.2	-18.0	2.38 H	273	38.5	11.7
8	15780.00	49.7 PK	74.0	-24.3	1.28 H	281	37.6	12.1
9	15780.00	38.8 AV	54.0	-15.2	1.28 H	281	26.7	12.1

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.

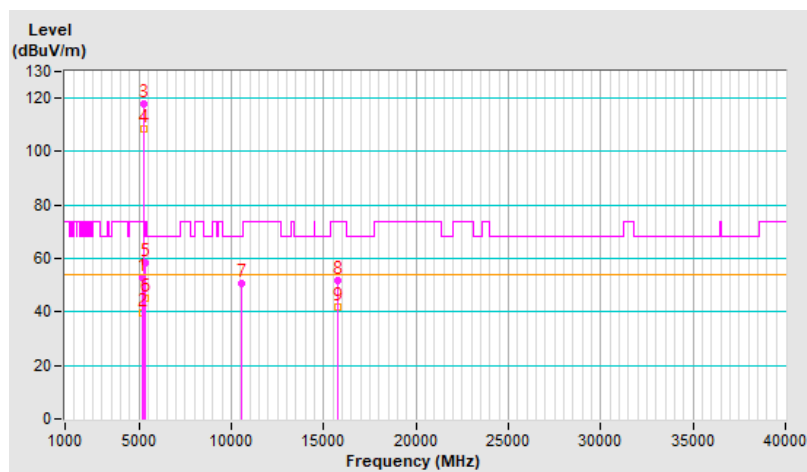


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.0 PK	74.0	-21.0	2.40 V	244	50.4	2.6
2	5150.00	39.8 AV	54.0	-14.2	2.40 V	244	37.2	2.6
3	*5260.00	118.1 PK			2.40 V	244	115.9	2.2
4	*5260.00	108.6 AV			2.40 V	244	106.4	2.2
5	5350.00	58.5 PK	74.0	-15.5	2.40 V	244	56.0	2.5
6	5350.00	45.2 AV	54.0	-8.8	2.40 V	244	42.7	2.5
7	#10520.00	50.5 PK	68.2	-17.7	1.50 V	331	38.8	11.7
8	15780.00	51.9 PK	74.0	-22.1	1.39 V	221	39.8	12.1
9	15780.00	41.7 AV	54.0	-12.3	1.39 V	221	29.6	12.1

Remarks:

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

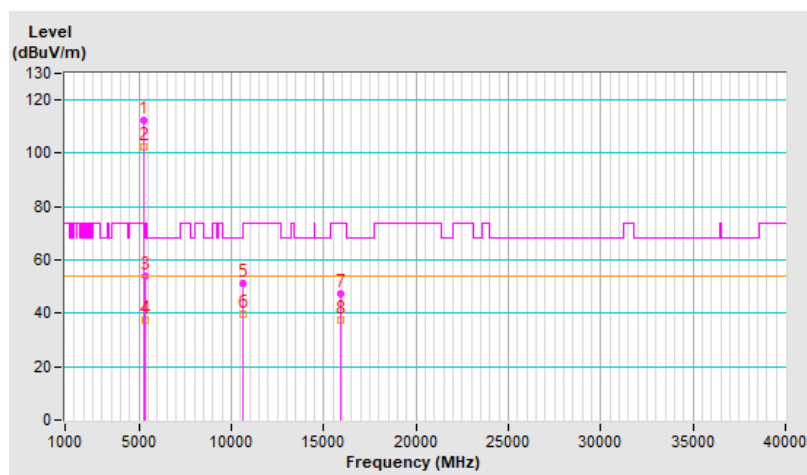


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.2 PK			1.20 H	160	110.0	2.2
2	*5300.00	102.4 AV			1.20 H	160	100.2	2.2
3	5350.00	53.8 PK	74.0	-20.2	1.20 H	160	51.3	2.5
4	5350.00	37.6 AV	54.0	-16.4	1.20 H	160	35.1	2.5
5	10600.00	51.2 PK	74.0	-22.8	1.51 H	360	39.9	11.3
6	10600.00	39.7 AV	54.0	-14.3	1.51 H	360	28.4	11.3
7	15900.00	47.5 PK	74.0	-26.5	1.32 H	265	35.9	11.6
8	15900.00	37.4 AV	54.0	-16.6	1.32 H	265	25.8	11.6

Remarks:

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

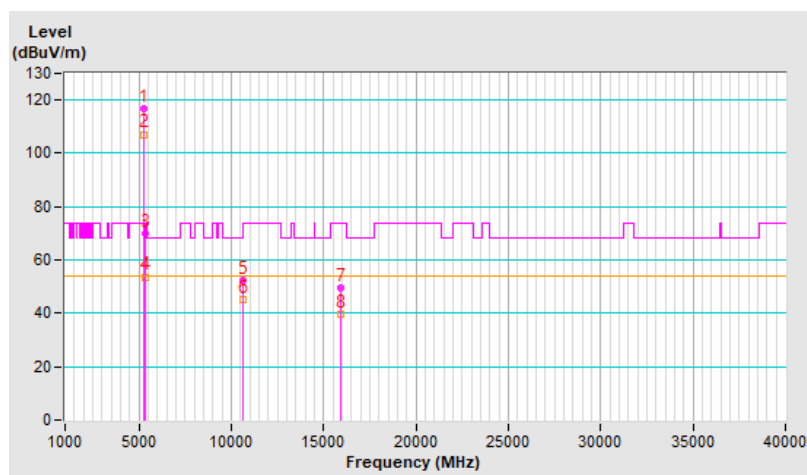


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.7 PK			2.33 V	240	114.5	2.2
2	*5300.00	107.1 AV			2.33 V	240	104.9	2.2
3	5350.00	70.0 PK	74.0	-4.0	2.33 V	240	67.5	2.5
4	5350.00	53.7 AV	54.0	-0.3	2.33 V	240	51.2	2.5
5	10600.00	52.1 PK	74.0	-21.9	1.30 V	335	40.8	11.3
6	10600.00	44.9 AV	54.0	-9.1	1.30 V	335	33.6	11.3
7	15900.00	49.4 PK	74.0	-24.6	1.36 V	217	37.8	11.6
8	15900.00	39.5 AV	54.0	-14.5	1.36 V	217	27.9	11.6

Remarks:

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

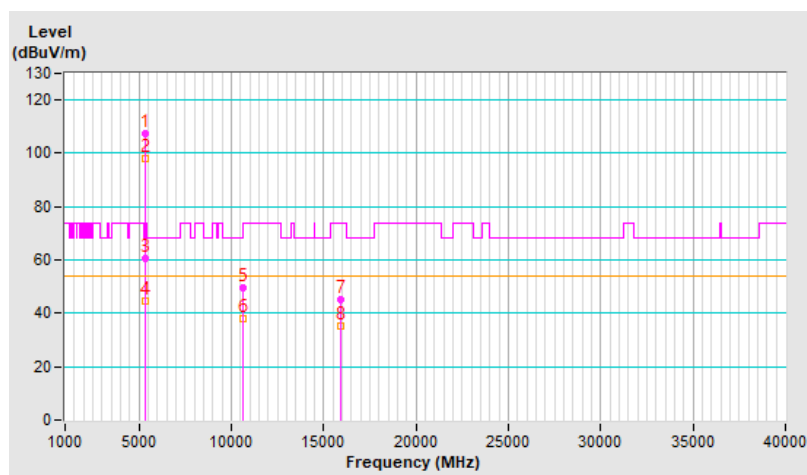


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	107.2 PK			1.50 H	166	104.9	2.3
2	*5320.00	98.0 AV			1.50 H	166	95.7	2.3
3	5350.00	60.7 PK	74.0	-13.3	1.50 H	166	58.2	2.5
4	5350.00	44.7 AV	54.0	-9.3	1.50 H	166	42.2	2.5
5	10640.00	49.5 PK	74.0	-24.5	1.53 H	360	38.1	11.4
6	10640.00	37.8 AV	54.0	-16.2	1.53 H	360	26.4	11.4
7	15960.00	45.4 PK	74.0	-28.6	1.31 H	274	33.9	11.5
8	15960.00	35.0 AV	54.0	-19.0	1.31 H	274	23.5	11.5

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.

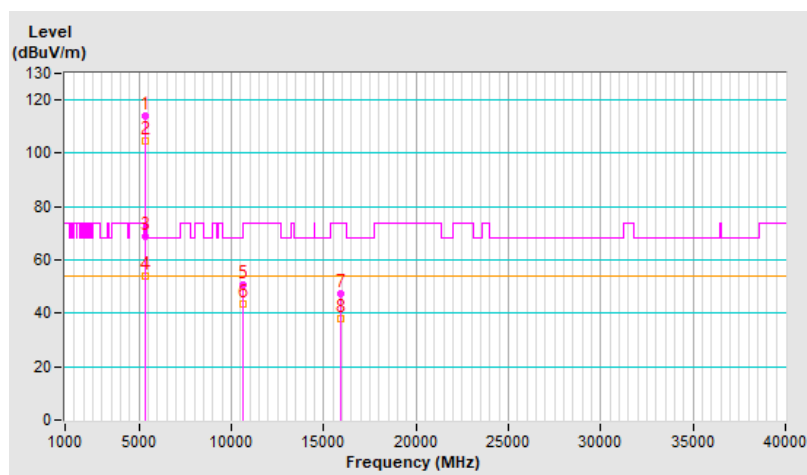


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	114.1 PK			2.31 V	238	111.8	2.3
2	*5320.00	104.6 AV			2.31 V	238	102.3	2.3
3	5350.00	68.8 PK	74.0	-5.2	2.31 V	238	66.3	2.5
4	5350.00	53.9 AV	54.0	-0.1	2.31 V	238	51.4	2.5
5	10640.00	50.5 PK	74.0	-23.5	1.33 V	350	39.1	11.4
6	10640.00	43.3 AV	54.0	-10.7	1.33 V	350	31.9	11.4
7	15960.00	47.6 PK	74.0	-26.4	1.39 V	216	36.1	11.5
8	15960.00	37.8 AV	54.0	-16.2	1.39 V	216	26.3	11.5

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.

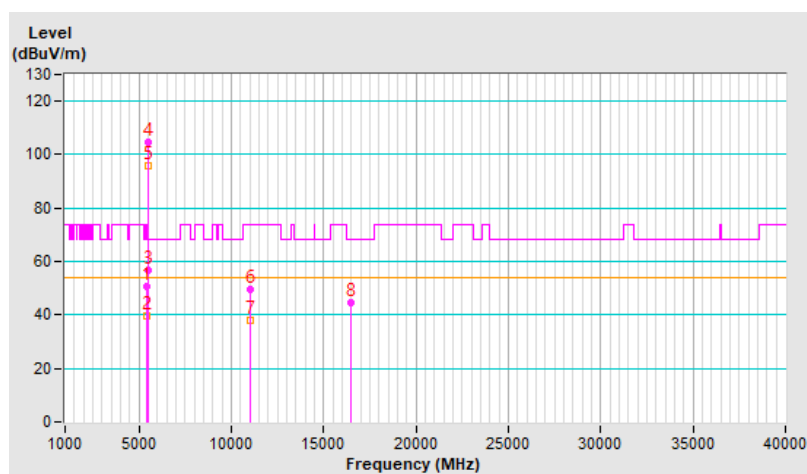


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.5 PK	74.0	-23.5	1.48 H	131	47.9	2.6
2	5460.00	39.4 AV	54.0	-14.6	1.48 H	131	36.8	2.6
3	#5470.00	56.6 PK	68.2	-11.6	1.48 H	131	54.0	2.6
4	*5500.00	104.8 PK			1.48 H	131	102.1	2.7
5	*5500.00	96.0 AV			1.48 H	131	93.3	2.7
6	11000.00	49.8 PK	74.0	-24.2	1.47 H	360	37.7	12.1
7	11000.00	37.9 AV	54.0	-16.1	1.47 H	360	25.8	12.1
8	#16500.00	44.8 PK	68.2	-23.4	1.37 H	278	30.2	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.
6. " # ": The radiated frequency is out of the restricted band.

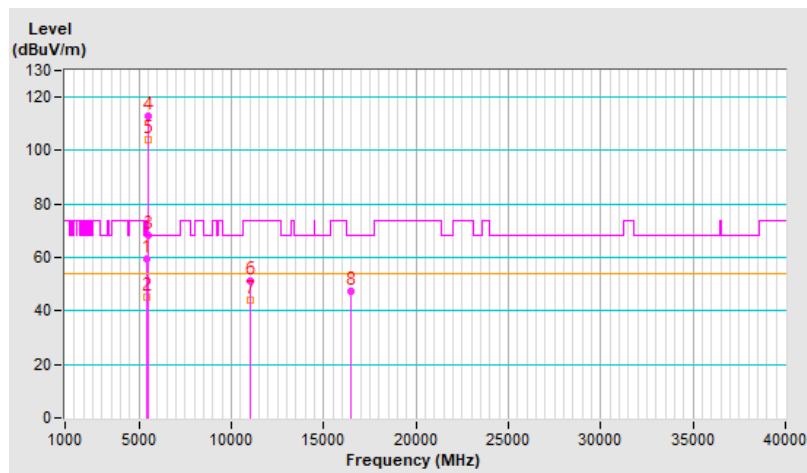


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.7 PK	74.0	-14.3	2.29 V	256	57.1	2.6
2	5460.00	45.4 AV	54.0	-8.6	2.29 V	256	42.8	2.6
3	#5470.00	68.1 PK	68.2	-0.1	2.29 V	256	65.5	2.6
4	*5500.00	112.8 PK			2.29 V	256	110.1	2.7
5	*5500.00	104.0 AV			2.29 V	256	101.3	2.7
6	11000.00	51.2 PK	74.0	-22.8	1.34 V	351	39.1	12.1
7	11000.00	43.8 AV	54.0	-10.2	1.34 V	351	31.7	12.1
8	#16500.00	47.5 PK	68.2	-20.7	1.43 V	203	32.9	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.
6. " # ": The radiated frequency is out of the restricted band.

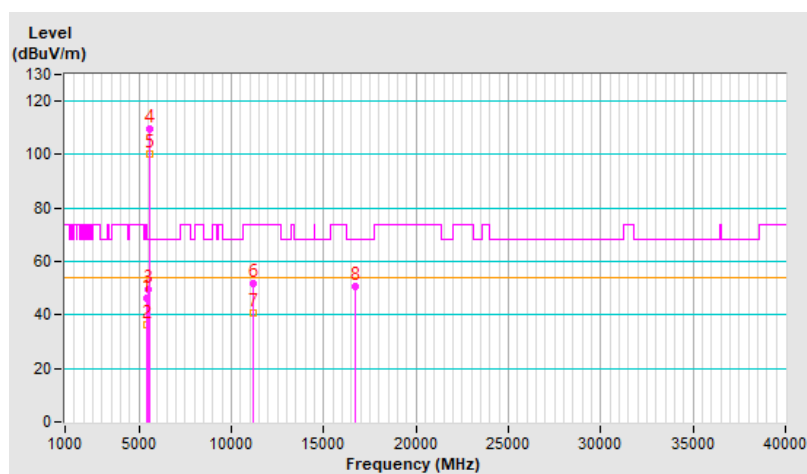


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	46.3 PK	74.0	-27.7	1.50 H	132	43.7	2.6
2	5460.00	36.1 AV	54.0	-17.9	1.50 H	132	33.5	2.6
3	#5470.00	49.7 PK	68.2	-18.5	1.50 H	132	47.1	2.6
4	*5580.00	109.4 PK			1.50 H	132	106.7	2.7
5	*5580.00	100.1 AV			1.50 H	132	97.4	2.7
6	11160.00	51.8 PK	74.0	-22.2	1.56 H	344	39.8	12.0
7	11160.00	40.5 AV	54.0	-13.5	1.56 H	344	28.5	12.0
8	#16740.00	50.8 PK	68.2	-17.4	1.45 H	351	36.2	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.
6. " # ": The radiated frequency is out of the restricted band.

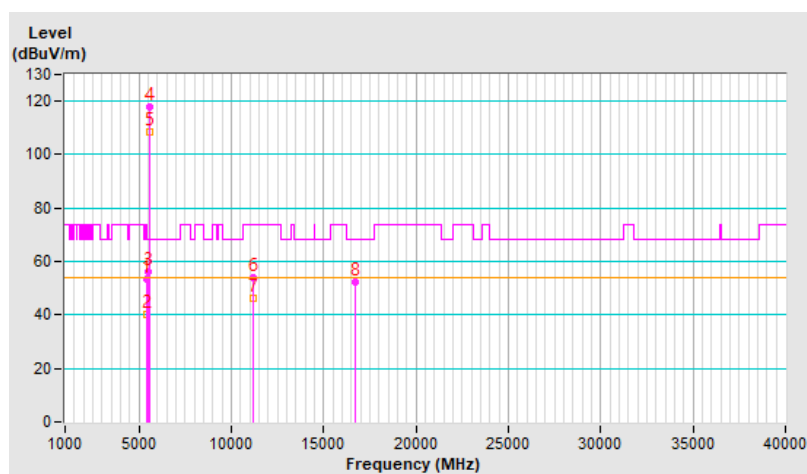


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.4 PK	74.0	-20.6	2.25 V	268	50.8	2.6
2	5460.00	40.2 AV	54.0	-13.8	2.25 V	268	37.6	2.6
3	#5470.00	56.2 PK	68.2	-12.0	2.25 V	268	53.6	2.6
4	*5580.00	117.8 PK			2.25 V	268	115.1	2.7
5	*5580.00	108.3 AV			2.25 V	268	105.6	2.7
6	11160.00	53.9 PK	74.0	-20.1	1.22 V	339	41.9	12.0
7	11160.00	46.5 AV	54.0	-7.5	1.22 V	339	34.5	12.0
8	#16740.00	52.1 PK	68.2	-16.1	1.17 V	225	37.5	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.
6. " # ": The radiated frequency is out of the restricted band.

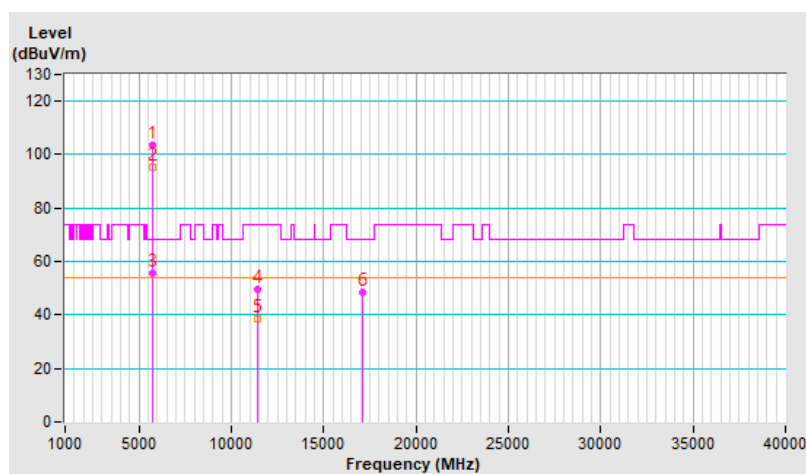


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.6 PK			1.52 H	117	100.8	2.8
2	*5700.00	95.2 AV			1.52 H	117	92.4	2.8
3	#5725.00	55.4 PK	68.2	-12.8	1.52 H	117	52.5	2.9
4	11400.00	49.6 PK	74.0	-24.4	1.47 H	360	37.5	12.1
5	11400.00	38.4 AV	54.0	-15.6	1.47 H	360	26.3	12.1
6	#17100.00	48.2 PK	68.2	-20.0	1.49 H	359	31.4	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.

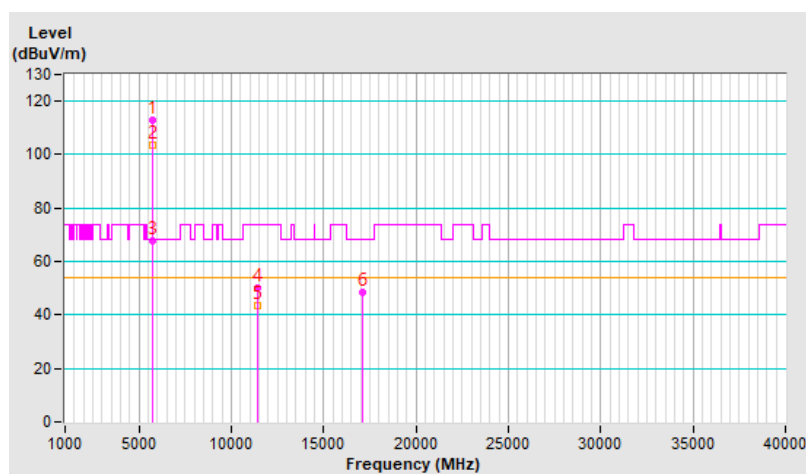


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.7 PK			2.16 V	266	109.9	2.8
2	*5700.00	103.6 AV			2.16 V	266	100.8	2.8
3	#5725.00	67.6 PK	68.2	-0.6	2.16 V	266	64.7	2.9
4	11400.00	50.2 PK	74.0	-23.8	1.22 V	336	38.1	12.1
5	11400.00	43.4 AV	54.0	-10.6	1.22 V	336	31.3	12.1
6	#17100.00	48.4 PK	68.2	-19.8	1.26 V	242	31.6	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.

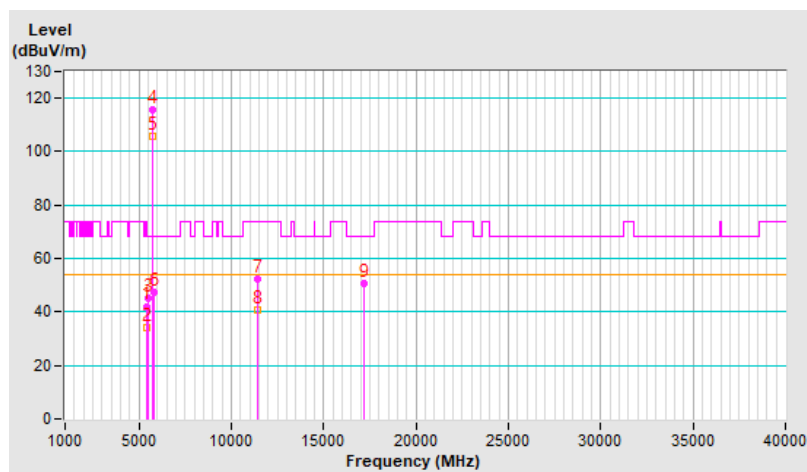


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	42.1 PK	74.0	-31.9	1.20 H	263	39.5	2.6
2	5460.00	34.2 AV	54.0	-19.8	1.20 H	263	31.6	2.6
3	#5470.00	45.4 PK	68.2	-22.8	1.20 H	263	42.8	2.6
4	*5720.00	115.6 PK			1.20 H	263	112.7	2.9
5	*5720.00	105.8 AV			1.20 H	263	102.9	2.9
6	#5850.00	47.1 PK	68.2	-21.1	1.20 H	263	43.7	3.4
7	11440.00	52.2 PK	74.0	-21.8	1.55 H	341	40.0	12.2
8	11440.00	40.8 AV	54.0	-13.2	1.55 H	341	28.6	12.2
9	#17160.00	50.9 PK	68.2	-17.3	1.49 H	347	34.2	16.7

Remarks:

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

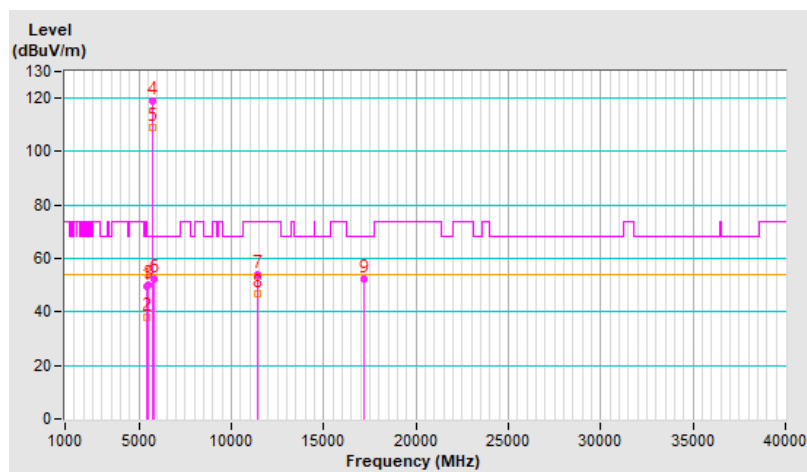


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	49.6 PK	74.0	-24.4	2.16 V	266	47.0	2.6
2	5460.00	37.9 AV	54.0	-16.1	2.16 V	266	35.3	2.6
3	#5470.00	50.3 PK	68.2	-17.9	2.16 V	266	47.7	2.6
4	*5720.00	118.8 PK			2.16 V	266	115.9	2.9
5	*5720.00	109.1 AV			2.16 V	266	106.2	2.9
6	#5850.00	52.1 PK	68.2	-16.1	2.16 V	266	48.7	3.4
7	11440.00	54.2 PK	74.0	-19.8	1.28 V	332	42.0	12.2
8	11440.00	46.8 AV	54.0	-7.2	1.28 V	332	34.6	12.2
9	#17160.00	52.3 PK	68.2	-15.9	1.17 V	227	35.6	16.7

Remarks:

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

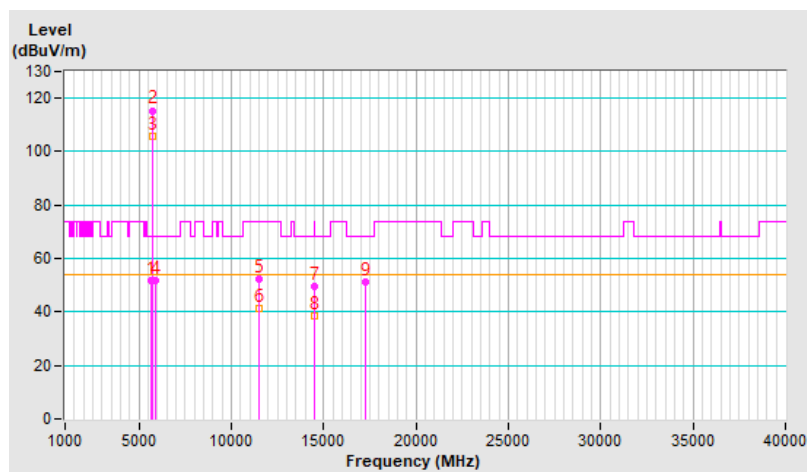


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.34	52.0 PK	68.2	-16.2	1.19 H	252	49.3	2.7
2	*5745.00	115.4 PK			1.19 H	252	112.4	3.0
3	*5745.00	105.6 AV			1.19 H	252	102.6	3.0
4	#5926.46	51.7 PK	68.2	-16.5	1.19 H	252	48.2	3.5
5	11490.00	52.5 PK	74.0	-21.5	1.50 H	355	40.3	12.2
6	11490.00	41.2 AV	54.0	-12.8	1.50 H	355	29.0	12.2
7	14472.00	49.4 PK	74.0	-24.6	1.37 H	25	35.1	14.3
8	14472.00	38.7 AV	54.0	-15.3	1.37 H	25	24.4	14.3
9	#17235.00	51.2 PK	68.2	-17.0	1.46 H	351	34.5	16.7

Remarks:

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

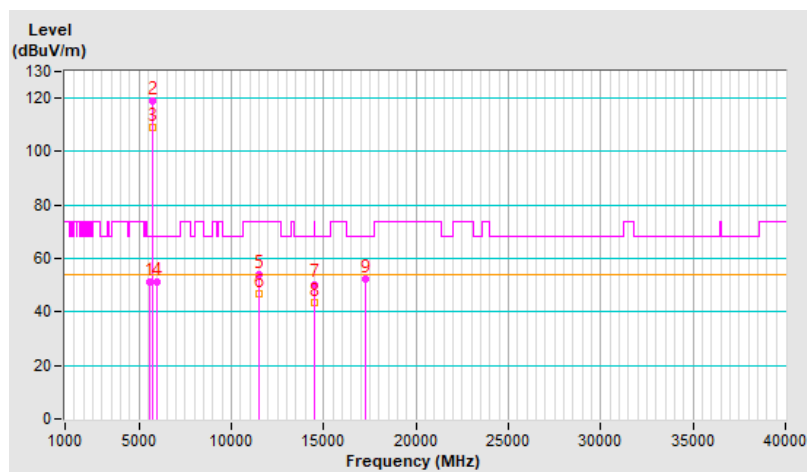


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5609.11	51.4 PK	68.2	-16.8	2.13 V	272	48.7	2.7
2	*5745.00	118.9 PK			2.13 V	272	115.9	3.0
3	*5745.00	109.0 AV			2.13 V	272	106.0	3.0
4	#5936.40	51.1 PK	68.2	-17.1	2.13 V	272	47.6	3.5
5	11490.00	53.9 PK	74.0	-20.1	1.26 V	333	41.7	12.2
6	11490.00	46.8 AV	54.0	-7.2	1.26 V	333	34.6	12.2
7	14472.00	50.4 PK	74.0	-23.6	2.38 V	209	36.1	14.3
8	14472.00	43.5 AV	54.0	-10.5	2.38 V	209	29.2	14.3
9	#17235.00	52.1 PK	68.2	-16.1	1.22 V	234	35.4	16.7

Remarks:

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

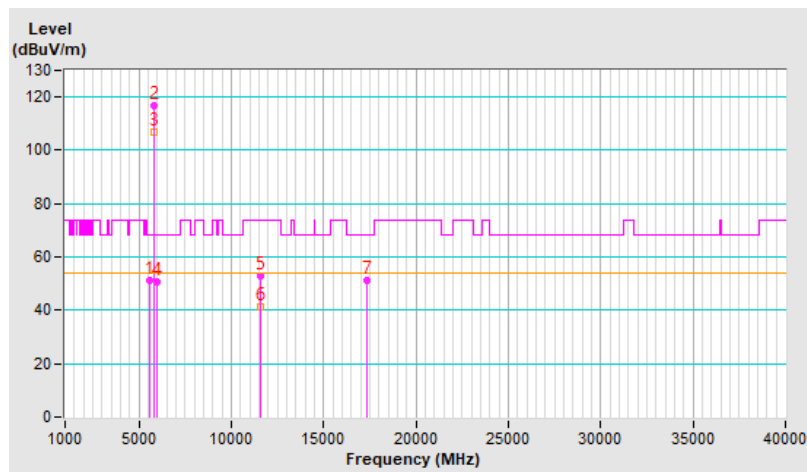


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5585.39	51.2 PK	68.2	-17.0	1.12 H	252	48.5	2.7
2	*5785.00	117.0 PK			1.12 H	252	113.7	3.3
3	*5785.00	107.0 AV			1.12 H	252	103.7	3.3
4	#5950.60	50.7 PK	68.2	-17.5	1.12 H	252	47.3	3.4
5	11570.00	52.7 PK	74.0	-21.3	1.52 H	360	40.8	11.9
6	11570.00	41.3 AV	54.0	-12.7	1.52 H	360	29.4	11.9
7	#17355.00	51.2 PK	68.2	-17.0	1.41 H	360	34.4	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.

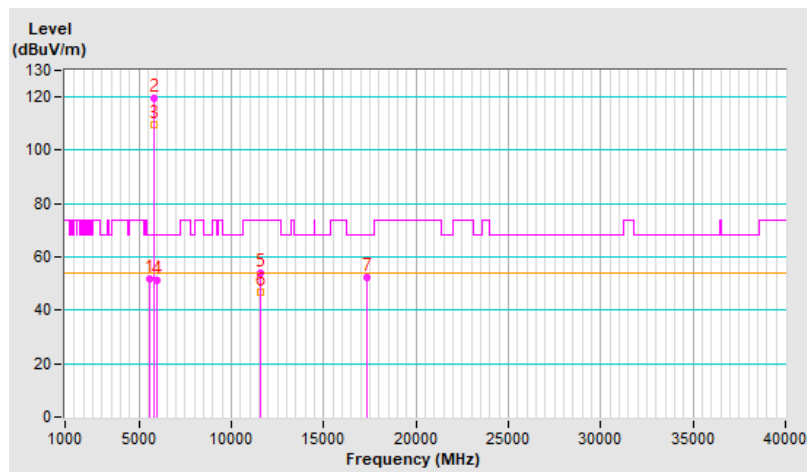


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5590.68	52.0 PK	68.2	-16.2	2.13 V	268	49.3	2.7
2	*5785.00	119.4 PK			2.13 V	268	116.1	3.3
3	*5785.00	109.5 AV			2.13 V	268	106.2	3.3
4	#5935.70	51.1 PK	68.2	-17.1	2.13 V	268	47.6	3.5
5	11570.00	53.9 PK	74.0	-20.1	1.27 V	334	42.0	11.9
6	11570.00	46.8 AV	54.0	-7.2	1.27 V	334	34.9	11.9
7	#17355.00	52.1 PK	68.2	-16.1	1.26 V	222	35.3	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.

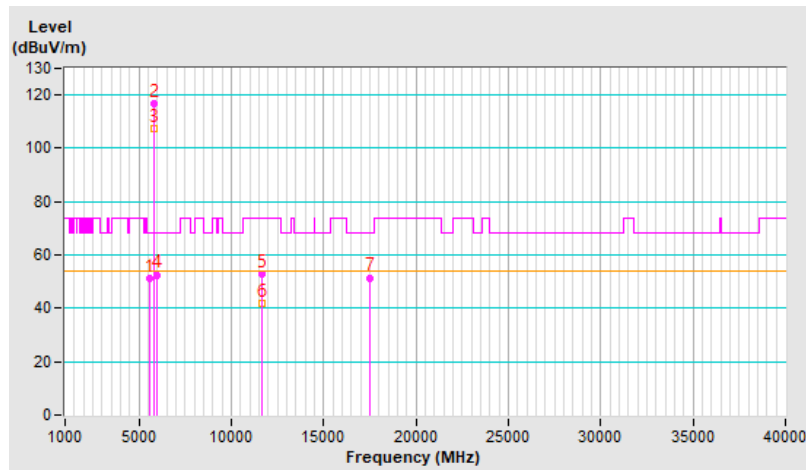


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.39	51.2 PK	68.2	-17.0	1.21 H	253	48.5	2.7
2	*5825.00	116.7 PK			1.21 H	253	113.3	3.4
3	*5825.00	107.2 AV			1.21 H	253	103.8	3.4
4	#5943.31	52.6 PK	68.2	-15.6	1.21 H	253	49.2	3.4
5	11650.00	53.0 PK	74.0	-21.0	1.50 H	355	41.4	11.6
6	11650.00	41.8 AV	54.0	-12.2	1.50 H	355	30.2	11.6
7	#17475.00	51.5 PK	68.2	-16.7	1.37 H	360	33.9	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.

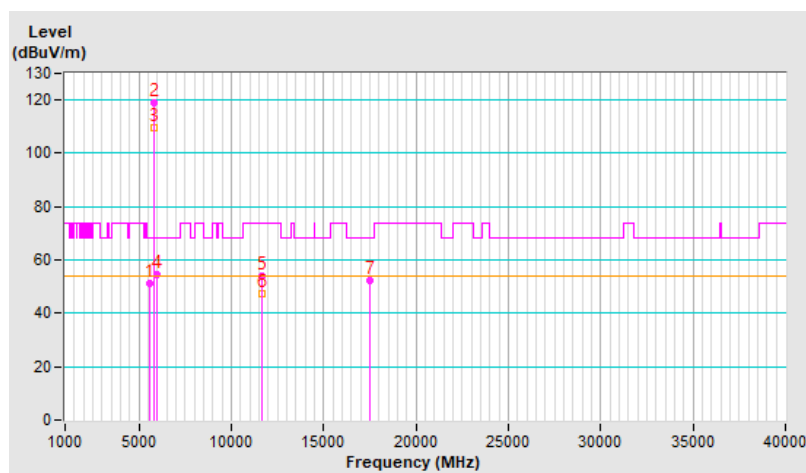


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5576.80	51.4 PK	68.2	-16.8	2.16 V	270	48.7	2.7
2	*5825.00	119.2 PK			2.16 V	270	115.8	3.4
3	*5825.00	109.6 AV			2.16 V	270	106.2	3.4
4	#5936.32	54.4 PK	68.2	-13.8	2.16 V	270	50.9	3.5
5	11650.00	54.2 PK	74.0	-19.8	1.22 V	335	42.6	11.6
6	11650.00	47.2 AV	54.0	-6.8	1.22 V	335	35.6	11.6
7	#17475.00	52.4 PK	68.2	-15.8	1.25 V	226	34.8	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.

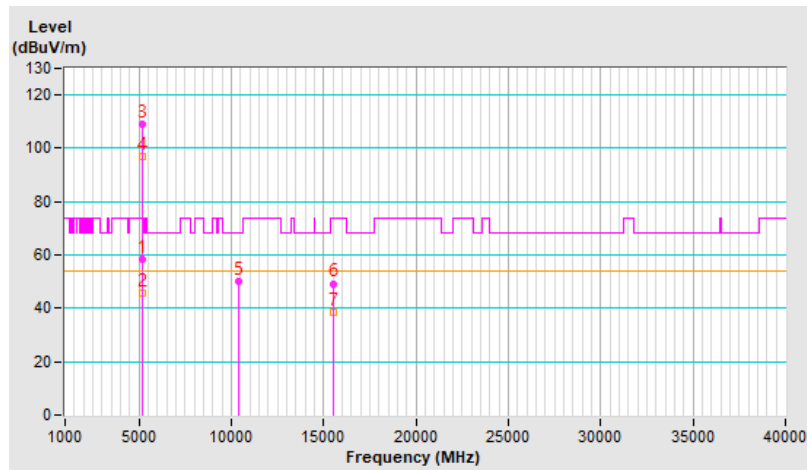


RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.2 PK	74.0	-15.8	1.50 H	166	55.6	2.6
2	5150.00	45.8 AV	54.0	-8.2	1.50 H	166	43.2	2.6
3	*5180.00	109.0 PK			1.50 H	166	106.5	2.5
4	*5180.00	97.1 AV			1.50 H	166	94.6	2.5
5	#10360.00	50.0 PK	68.2	-18.2	2.48 H	296	38.8	11.2
6	15540.00	49.3 PK	74.0	-24.7	1.16 H	278	37.7	11.6
7	15540.00	38.5 AV	54.0	-15.5	1.16 H	278	26.9	11.6

Remarks:

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

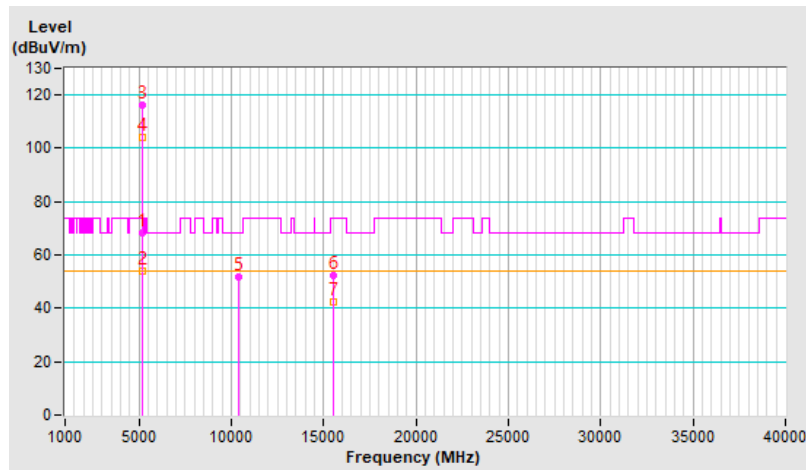


RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.5 PK	74.0	-5.5	2.29 V	120	65.9	2.6
2	5150.00	53.9 AV	54.0	-0.1	2.29 V	120	51.3	2.6
3	*5180.00	116.4 PK			2.29 V	120	113.9	2.5
4	*5180.00	104.1 AV			2.29 V	120	101.6	2.5
5	#10360.00	51.7 PK	68.2	-16.5	1.02 V	212	40.5	11.2
6	15540.00	52.4 PK	74.0	-21.6	1.32 V	249	40.8	11.6
7	15540.00	42.6 AV	54.0	-11.4	1.32 V	249	31.0	11.6

Remarks:

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

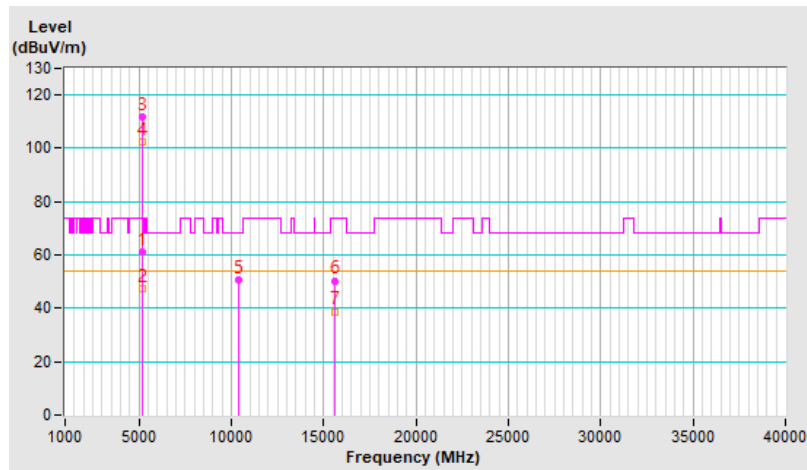


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.3 PK	74.0	-12.7	1.08 H	146	58.7	2.6
2	5150.00	47.4 AV	54.0	-6.6	1.08 H	146	44.8	2.6
3	*5200.00	111.8 PK			1.08 H	146	109.2	2.6
4	*5200.00	102.6 AV			1.08 H	146	100.0	2.6
5	#10400.00	50.6 PK	68.2	-17.6	1.43 H	59	39.2	11.4
6	15600.00	50.4 PK	74.0	-23.6	1.25 H	305	39.0	11.4
7	15600.00	38.8 AV	54.0	-15.2	1.25 H	305	27.4	11.4

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.

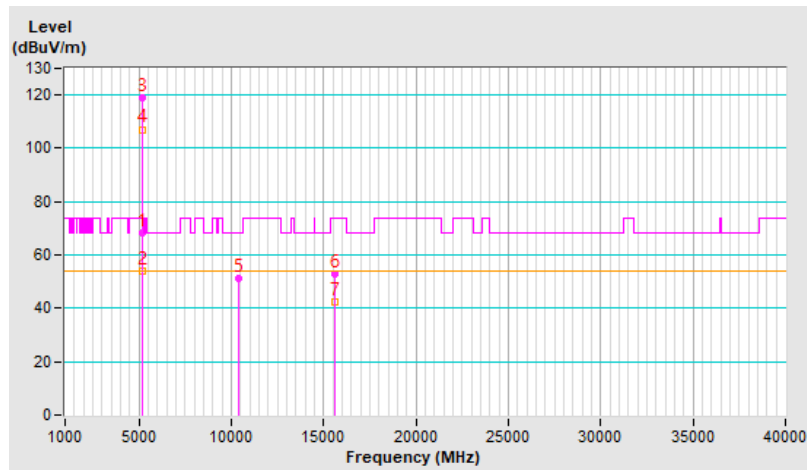


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.1 PK	74.0	-5.9	2.33 V	55	65.5	2.6
2	5150.00	53.9 AV	54.0	-0.1	2.33 V	55	51.3	2.6
3	*5200.00	119.1 PK			2.33 V	55	116.5	2.6
4	*5200.00	107.1 AV			2.33 V	55	104.5	2.6
5	#10400.00	51.3 PK	68.2	-16.9	1.47 V	335	39.9	11.4
6	15600.00	52.7 PK	74.0	-21.3	1.24 V	228	41.3	11.4
7	15600.00	42.3 AV	54.0	-11.7	1.24 V	228	30.9	11.4

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.

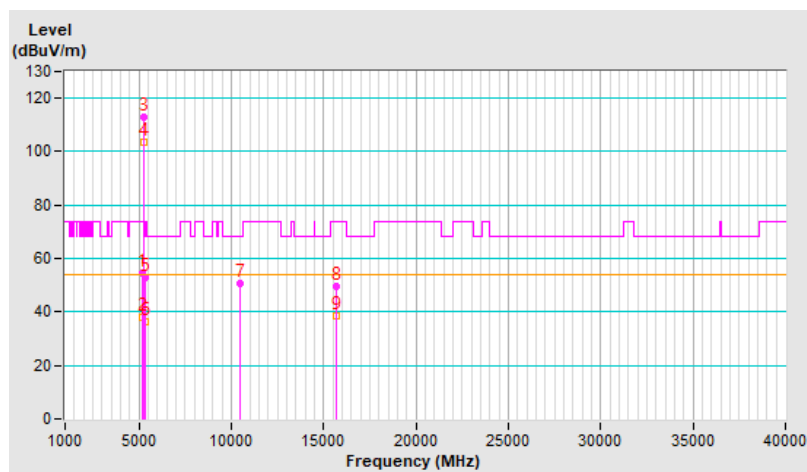


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	54.4 PK	74.0	-19.6	1.15 H	165	51.8	2.6
2	5150.00	38.1 AV	54.0	-15.9	1.15 H	165	35.5	2.6
3	*5240.00	113.1 PK			1.15 H	165	110.8	2.3
4	*5240.00	103.6 AV			1.15 H	165	101.3	2.3
5	5350.00	52.8 PK	74.0	-21.2	1.15 H	165	50.3	2.5
6	5350.00	36.5 AV	54.0	-17.5	1.15 H	165	34.0	2.5
7	#10480.00	50.9 PK	68.2	-17.3	2.40 H	281	39.2	11.7
8	15720.00	49.4 PK	74.0	-24.6	1.23 H	275	37.3	12.1
9	15720.00	38.3 AV	54.0	-15.7	1.23 H	275	26.2	12.1

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.

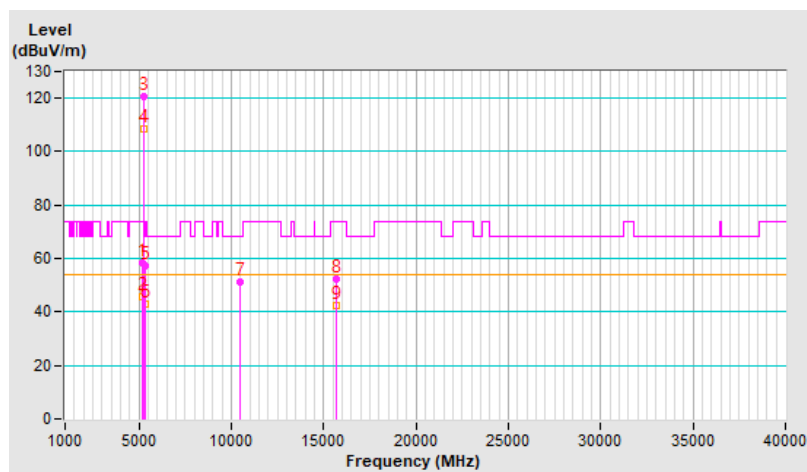


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.2 PK	74.0	-15.8	2.33 V	235	55.6	2.6
2	5150.00	45.6 AV	54.0	-8.4	2.33 V	235	43.0	2.6
3	*5240.00	120.6 PK			2.33 V	235	118.3	2.3
4	*5240.00	108.3 AV			2.33 V	235	106.0	2.3
5	5350.00	57.4 PK	74.0	-16.6	2.33 V	235	54.9	2.5
6	5350.00	42.9 AV	54.0	-11.1	2.33 V	235	40.4	2.5
7	#10480.00	51.1 PK	68.2	-17.1	1.50 V	324	39.4	11.7
8	15720.00	52.5 PK	74.0	-21.5	1.31 V	212	40.4	12.1
9	15720.00	42.2 AV	54.0	-11.8	1.31 V	212	30.1	12.1

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.

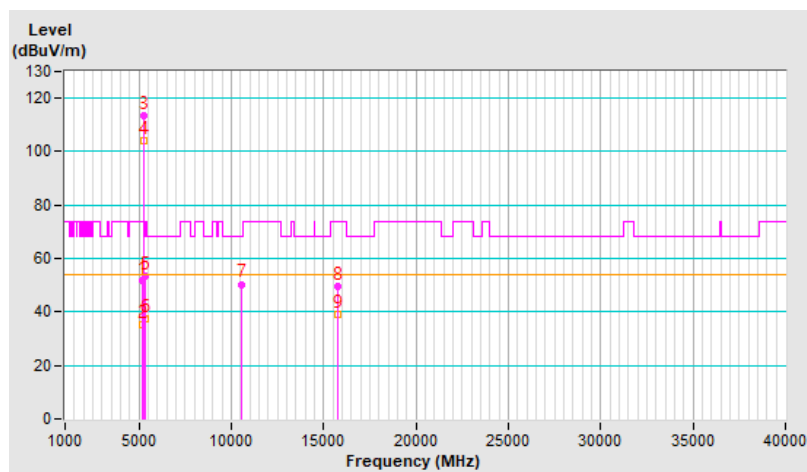


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.6 PK	74.0	-22.4	1.10 H	165	49.0	2.6
2	5150.00	35.3 AV	54.0	-18.7	1.10 H	165	32.7	2.6
3	*5260.00	113.4 PK			1.10 H	165	111.2	2.2
4	*5260.00	103.9 AV			1.10 H	165	101.7	2.2
5	5350.00	53.6 PK	74.0	-20.4	1.10 H	165	51.1	2.5
6	5350.00	37.5 AV	54.0	-16.5	1.10 H	165	35.0	2.5
7	#10520.00	50.4 PK	68.2	-17.8	2.33 H	272	38.7	11.7
8	15780.00	49.7 PK	74.0	-24.3	1.24 H	273	37.6	12.1
9	15780.00	38.9 AV	54.0	-15.1	1.24 H	273	26.8	12.1

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.

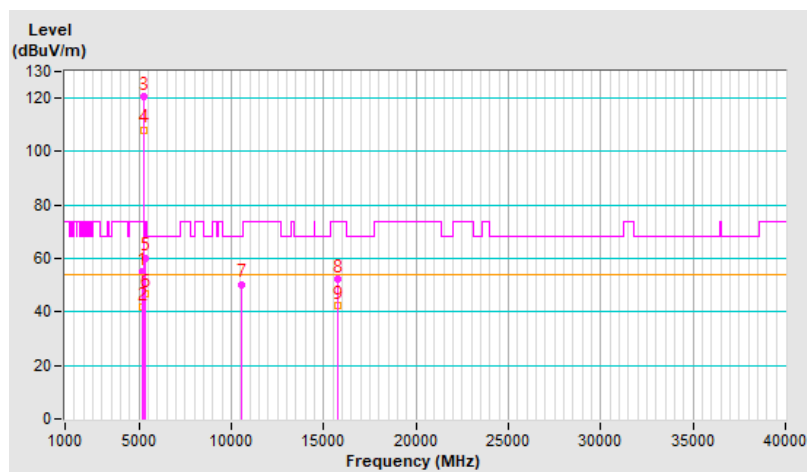


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.3 PK	74.0	-18.7	2.33 V	235	52.7	2.6
2	5150.00	41.7 AV	54.0	-12.3	2.33 V	235	39.1	2.6
3	*5260.00	120.5 PK			2.33 V	235	118.3	2.2
4	*5260.00	108.2 AV			2.33 V	235	106.0	2.2
5	5350.00	60.3 PK	74.0	-13.7	2.33 V	235	57.8	2.5
6	5350.00	46.6 AV	54.0	-7.4	2.33 V	235	44.1	2.5
7	#10520.00	50.4 PK	68.2	-17.8	1.55 V	344	38.7	11.7
8	15780.00	52.5 PK	74.0	-21.5	1.34 V	207	40.4	12.1
9	15780.00	42.2 AV	54.0	-11.8	1.34 V	207	30.1	12.1

Remarks:

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

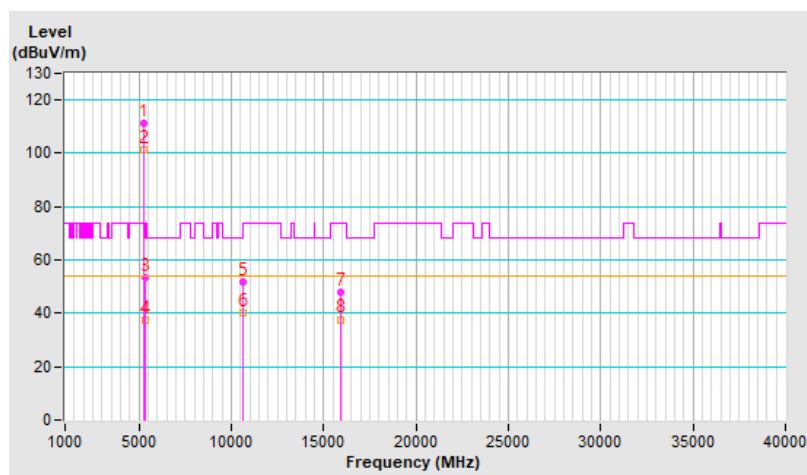


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	111.5 PK			1.18 H	169	109.3	2.2
2	*5300.00	101.4 AV			1.18 H	169	99.2	2.2
3	5350.00	53.6 PK	74.0	-20.4	1.18 H	169	51.1	2.5
4	5350.00	37.2 AV	54.0	-16.8	1.18 H	169	34.7	2.5
5	10600.00	51.9 PK	74.0	-22.1	1.47 H	347	40.6	11.3
6	10600.00	40.2 AV	54.0	-13.8	1.47 H	347	28.9	11.3
7	15900.00	47.9 PK	74.0	-26.1	1.35 H	268	36.3	11.6
8	15900.00	37.7 AV	54.0	-16.3	1.35 H	268	26.1	11.6

Remarks:

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

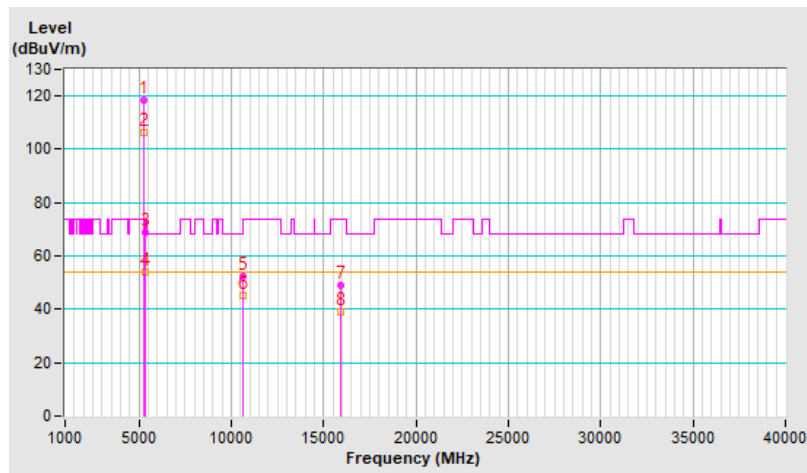


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	118.3 PK			1.00 V	110	116.1	2.2
2	*5300.00	106.2 AV			1.00 V	110	104.0	2.2
3	5350.00	68.7 PK	74.0	-5.3	1.00 V	0	66.2	2.5
4	5350.00	53.9 AV	54.0	-0.1	1.00 V	0	51.4	2.5
5	10600.00	52.5 PK	74.0	-21.5	1.29 V	330	41.2	11.3
6	10600.00	45.3 AV	54.0	-8.7	1.29 V	330	34.0	11.3
7	15900.00	49.0 PK	74.0	-25.0	1.36 V	220	37.4	11.6
8	15900.00	39.1 AV	54.0	-14.9	1.36 V	220	27.5	11.6

Remarks:

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

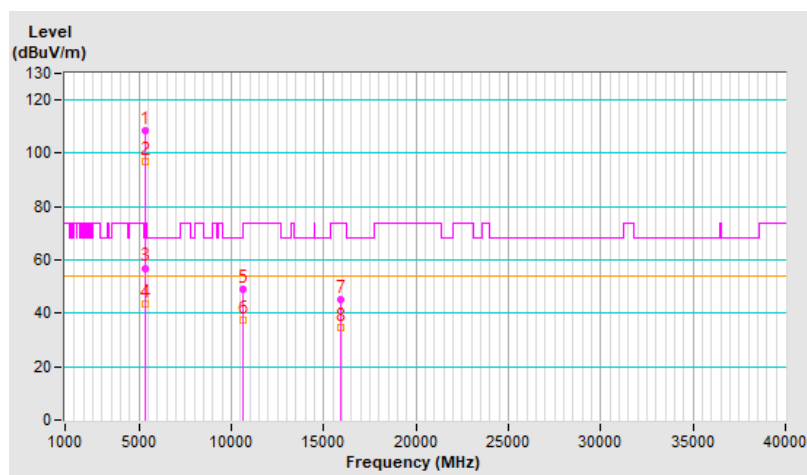


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.3 PK			1.50 H	166	106.0	2.3
2	*5320.00	96.7 AV			1.50 H	166	94.4	2.3
3	5350.00	57.0 PK	74.0	-17.0	1.50 H	166	54.5	2.5
4	5350.00	43.3 AV	54.0	-10.7	1.50 H	166	40.8	2.5
5	10640.00	49.0 PK	74.0	-25.0	1.58 H	360	37.6	11.4
6	10640.00	37.5 AV	54.0	-16.5	1.58 H	360	26.1	11.4
7	15960.00	44.9 PK	74.0	-29.1	1.26 H	262	33.4	11.5
8	15960.00	34.6 AV	54.0	-19.4	1.26 H	262	23.1	11.5

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.

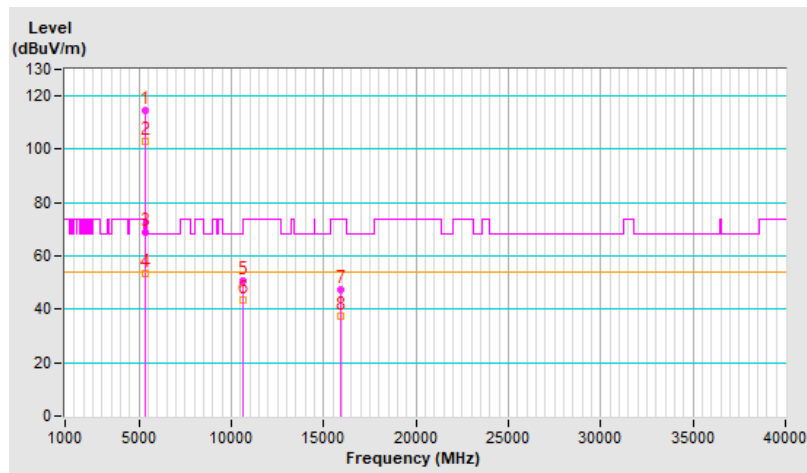


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	114.6 PK			2.24 V	237	112.3	2.3
2	*5320.00	103.0 AV			2.24 V	237	100.7	2.3
3	5350.00	69.0 PK	74.0	-5.0	2.24 V	237	66.5	2.5
4	5350.00	53.5 AV	54.0	-0.5	2.24 V	237	51.0	2.5
5	10640.00	50.8 PK	74.0	-23.2	1.35 V	353	39.4	11.4
6	10640.00	43.7 AV	54.0	-10.3	1.35 V	353	32.3	11.4
7	15960.00	47.3 PK	74.0	-26.7	1.42 V	213	35.8	11.5
8	15960.00	37.5 AV	54.0	-16.5	1.42 V	213	26.0	11.5

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.

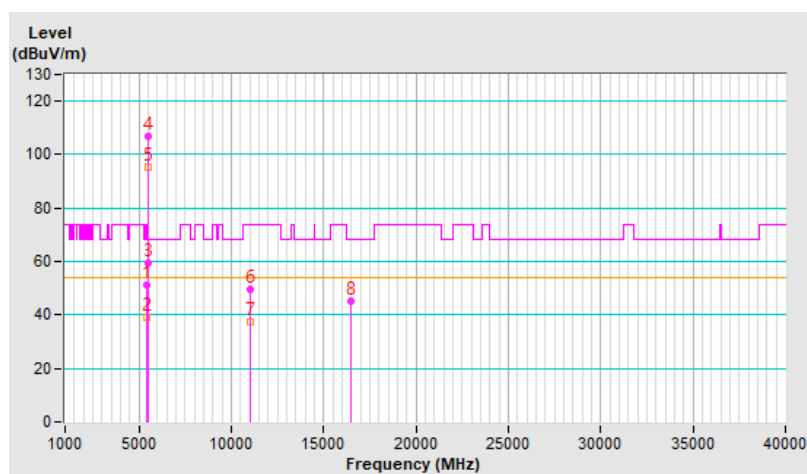


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.1 PK	74.0	-22.9	1.00 H	131	48.5	2.6
2	5460.00	39.1 AV	54.0	-14.9	1.00 H	131	36.5	2.6
3	#5470.00	59.4 PK	68.2	-8.8	1.00 H	131	56.8	2.6
4	*5500.00	107.0 PK			1.00 H	131	104.3	2.7
5	*5500.00	95.2 AV			1.00 H	131	92.5	2.7
6	11000.00	49.5 PK	74.0	-24.5	1.45 H	360	37.4	12.1
7	11000.00	37.6 AV	54.0	-16.4	1.45 H	360	25.5	12.1
8	#16500.00	45.4 PK	68.2	-22.8	1.42 H	282	30.8	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.
6. " # ": The radiated frequency is out of the restricted band.

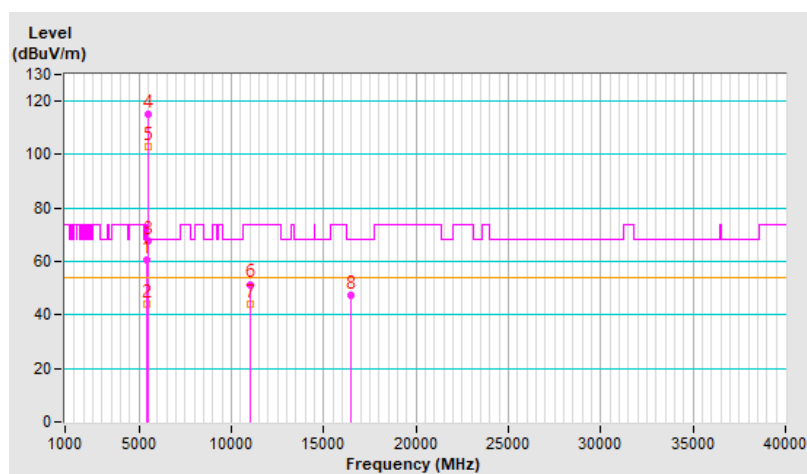


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.6 PK	74.0	-13.4	2.29 V	257	58.0	2.6
2	5460.00	44.3 AV	54.0	-9.7	2.29 V	257	41.7	2.6
3	#5470.00	67.7 PK	68.2	-0.5	2.29 V	257	65.1	2.6
4	*5500.00	115.1 PK			2.29 V	257	112.4	2.7
5	*5500.00	103.2 AV			2.29 V	257	100.5	2.7
6	11000.00	51.5 PK	74.0	-22.5	1.36 V	357	39.4	12.1
7	11000.00	44.3 AV	54.0	-9.7	1.36 V	357	32.2	12.1
8	#16500.00	47.2 PK	68.2	-21.0	1.44 V	215	32.6	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.
6. " # ": The radiated frequency is out of the restricted band.

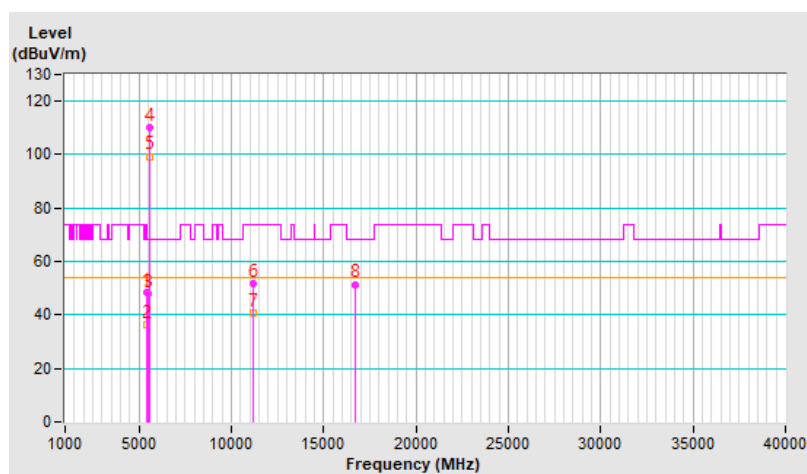


RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	48.4 PK	74.0	-25.6	1.06 H	146	45.8	2.6
2	5460.00	36.2 AV	54.0	-17.8	1.06 H	146	33.6	2.6
3	#5470.00	48.0 PK	68.2	-20.2	1.06 H	146	45.4	2.6
4	*5580.00	110.2 PK			1.06 H	146	107.5	2.7
5	*5580.00	99.4 AV			1.06 H	146	96.7	2.7
6	11160.00	51.7 PK	74.0	-22.3	1.54 H	357	39.7	12.0
7	11160.00	40.6 AV	54.0	-13.4	1.54 H	357	28.6	12.0
8	#16740.00	51.5 PK	68.2	-16.7	1.45 H	347	36.9	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.
6. " # ": The radiated frequency is out of the restricted band.

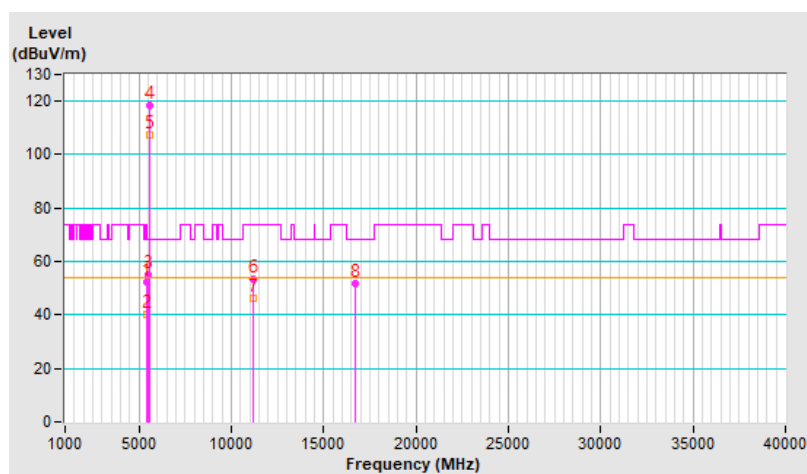


RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.3 PK	74.0	-21.7	2.23 V	260	49.7	2.6
2	5460.00	40.0 AV	54.0	-14.0	2.23 V	260	37.4	2.6
3	#5470.00	55.1 PK	68.2	-13.1	2.23 V	260	52.5	2.6
4	*5580.00	118.6 PK			2.23 V	260	115.9	2.7
5	*5580.00	107.5 AV			2.23 V	260	104.8	2.7
6	11160.00	53.3 PK	74.0	-20.7	1.21 V	344	41.3	12.0
7	11160.00	46.1 AV	54.0	-7.9	1.21 V	344	34.1	12.0
8	#16740.00	51.7 PK	68.2	-16.5	1.18 V	216	37.1	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.
6. " # ": The radiated frequency is out of the restricted band.

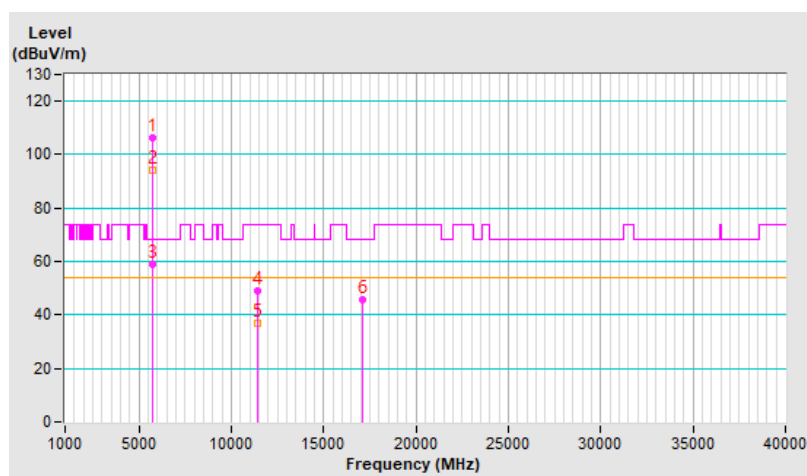


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.4 PK			1.00 H	125	103.6	2.8
2	*5700.00	94.2 AV			1.00 H	125	91.4	2.8
3	#5725.00	58.9 PK	68.2	-9.3	1.00 H	125	56.0	2.9
4	11400.00	48.9 PK	74.0	-25.1	1.40 H	360	36.8	12.1
5	11400.00	37.1 AV	54.0	-16.9	1.40 H	360	25.0	12.1
6	#17100.00	45.8 PK	68.2	-22.4	1.38 H	275	29.0	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.

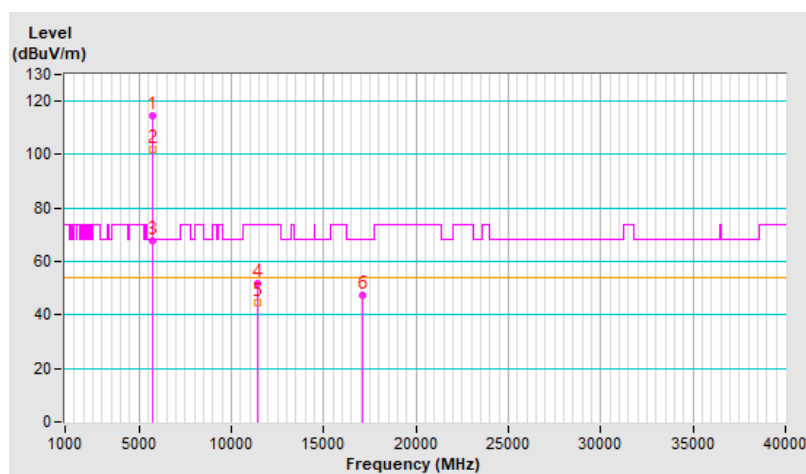


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.8 PK			2.12 V	271	112.0	2.8
2	*5700.00	102.0 AV			2.12 V	271	99.2	2.8
3	#5725.00	67.8 PK	68.2	-0.4	2.12 V	271	64.9	2.9
4	11400.00	51.9 PK	74.0	-22.1	1.36 V	359	39.8	12.1
5	11400.00	44.5 AV	54.0	-9.5	1.36 V	359	32.4	12.1
6	#17100.00	47.3 PK	68.2	-20.9	1.42 V	217	30.5	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.

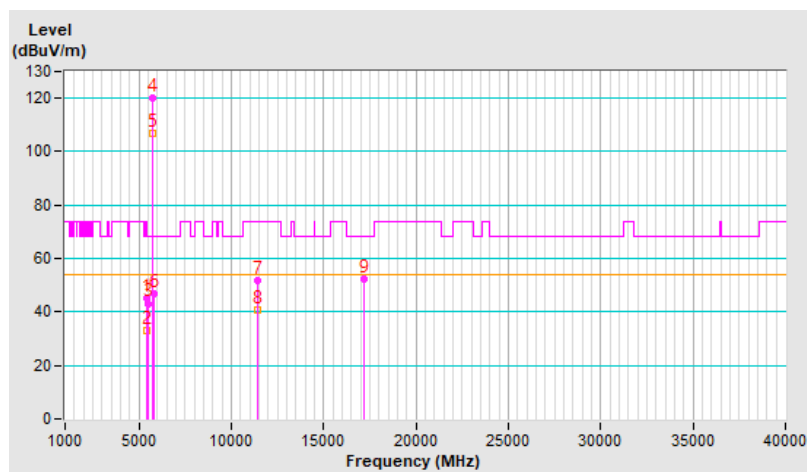


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	45.2 PK	74.0	-28.8	1.03 H	248	42.6	2.6
2	5460.00	33.1 AV	54.0	-20.9	1.03 H	248	30.5	2.6
3	#5470.00	43.2 PK	68.2	-25.0	1.03 H	248	40.6	2.6
4	*5720.00	120.0 PK			1.03 H	248	117.1	2.9
5	*5720.00	106.7 AV			1.03 H	248	103.8	2.9
6	#5850.00	46.7 PK	68.2	-21.5	1.03 H	248	43.3	3.4
7	11440.00	51.9 PK	74.0	-22.1	1.56 H	360	39.7	12.2
8	11440.00	40.6 AV	54.0	-13.4	1.56 H	360	28.4	12.2
9	#17160.00	52.1 PK	68.2	-16.1	1.43 H	360	35.4	16.7

Remarks:

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

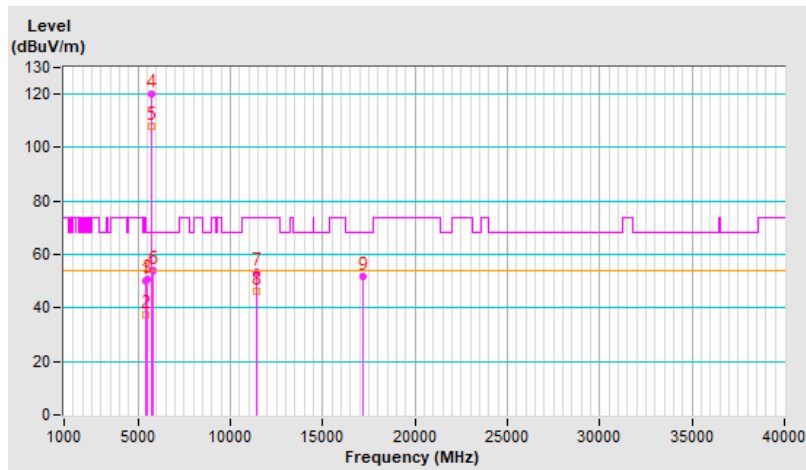


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.1 PK	74.0	-23.9	2.12 V	271	47.5	2.6
2	5460.00	37.6 AV	54.0	-16.4	2.12 V	271	35.0	2.6
3	#5470.00	50.6 PK	68.2	-17.6	2.12 V	271	48.0	2.6
4	*5720.00	120.1 PK			2.12 V	271	117.2	2.9
5	*5720.00	108.1 AV			2.12 V	271	105.2	2.9
6	#5850.00	54.1 PK	68.2	-14.1	2.12 V	271	50.7	3.4
7	11440.00	53.2 PK	74.0	-20.8	1.19 V	341	41.0	12.2
8	11440.00	46.1 AV	54.0	-7.9	1.19 V	341	33.9	12.2
9	#17160.00	51.9 PK	68.2	-16.3	1.13 V	202	35.2	16.7

Remarks:

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

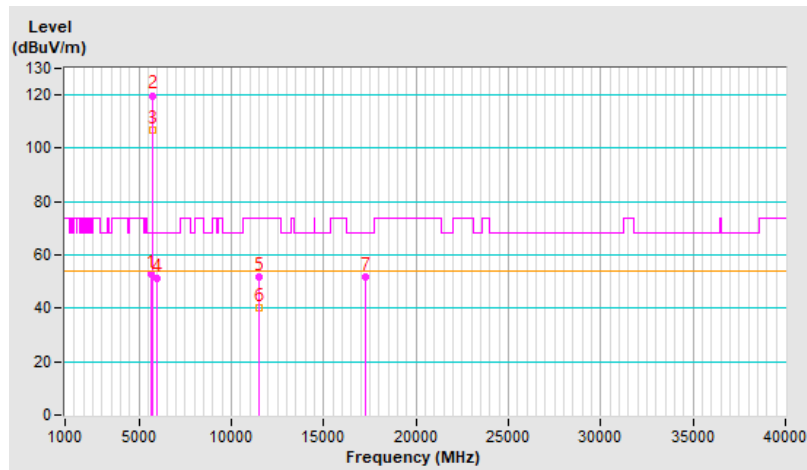


RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.69	52.9 PK	68.2	-15.3	1.07 H	255	50.2	2.7
2	*5745.00	119.8 PK			1.07 H	255	116.8	3.0
3	*5745.00	106.6 AV			1.07 H	255	103.6	3.0
4	#5976.15	51.1 PK	68.2	-17.1	1.07 H	255	47.7	3.4
5	11490.00	51.6 PK	74.0	-22.4	1.60 H	360	39.4	12.2
6	11490.00	40.2 AV	54.0	-13.8	1.60 H	360	28.0	12.2
7	#17235.00	51.7 PK	68.2	-16.5	1.45 H	354	35.0	16.7

Remarks:

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

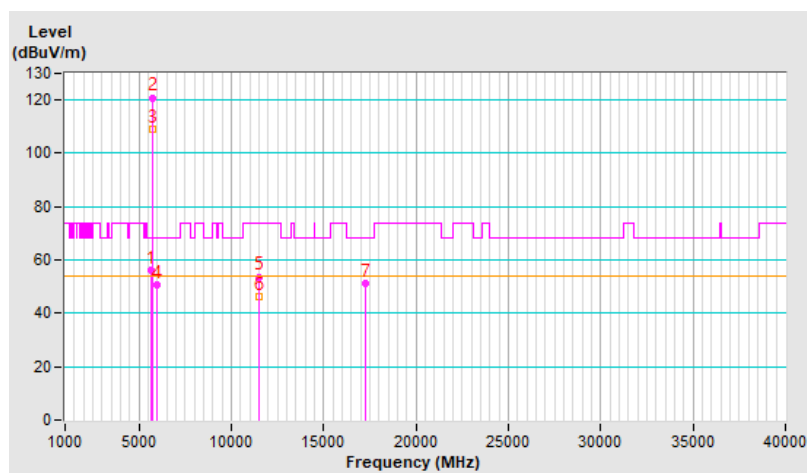


RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.72	56.0 PK	68.2	-12.2	3.52 V	263	53.3	2.7
2	*5745.00	120.9 PK			3.52 V	263	117.9	3.0
3	*5745.00	108.8 AV			3.52 V	263	105.8	3.0
4	#5967.10	50.6 PK	68.2	-17.6	3.52 V	263	47.2	3.4
5	11490.00	53.7 PK	74.0	-20.3	1.20 V	347	41.5	12.2
6	11490.00	46.5 AV	54.0	-7.5	1.20 V	347	34.3	12.2
7	#17235.00	51.4 PK	68.2	-16.8	1.13 V	211	34.7	16.7

Remarks:

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

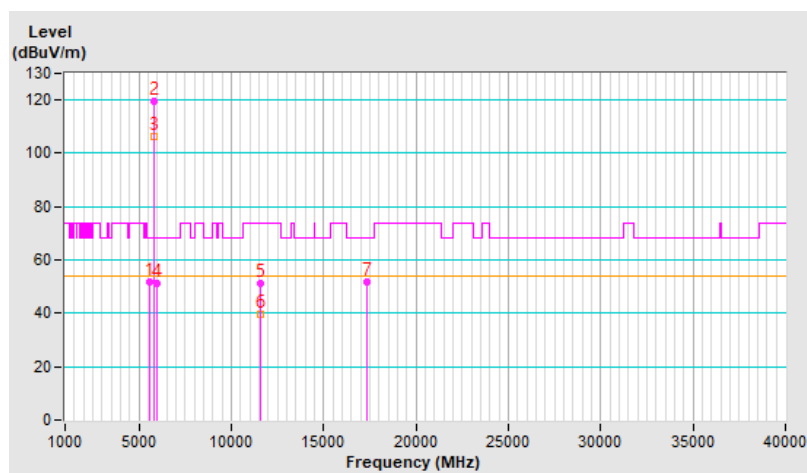


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5555.98	51.7 PK	68.2	-16.5	1.07 H	252	49.0	2.7
2	*5785.00	119.4 PK			1.07 H	252	116.1	3.3
3	*5785.00	106.3 AV			1.07 H	252	103.0	3.3
4	#5959.46	51.0 PK	68.2	-17.2	1.07 H	252	47.6	3.4
5	11570.00	51.3 PK	74.0	-22.7	1.59 H	360	39.4	11.9
6	11570.00	39.7 AV	54.0	-14.3	1.59 H	360	27.8	11.9
7	#17355.00	52.0 PK	68.2	-16.2	1.49 H	353	35.2	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.

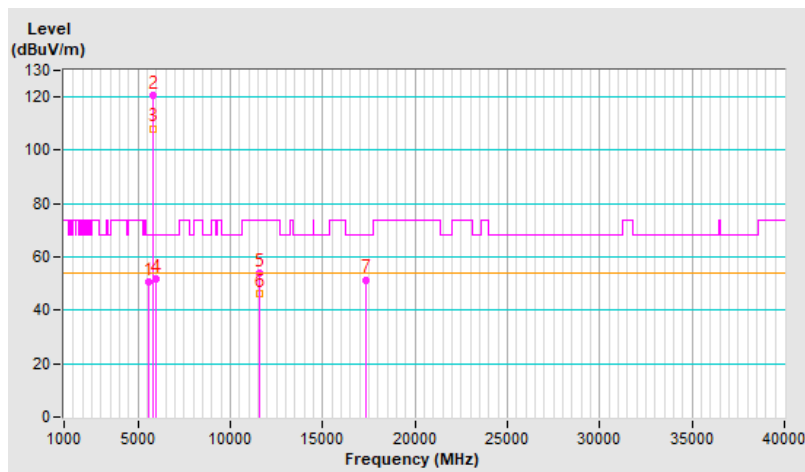


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5583.73	50.5 PK	68.2	-17.7	3.51 V	107	47.8	2.7
2	*5785.00	120.5 PK			3.51 V	107	117.2	3.3
3	*5785.00	108.2 AV			3.51 V	107	104.9	3.3
4	#5937.29	51.7 PK	68.2	-16.5	3.51 V	107	48.2	3.5
5	11570.00	53.9 PK	74.0	-20.1	1.17 V	360	42.0	11.9
6	11570.00	46.5 AV	54.0	-7.5	1.17 V	360	34.6	11.9
7	#17355.00	51.5 PK	68.2	-16.7	1.14 V	225	34.7	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.

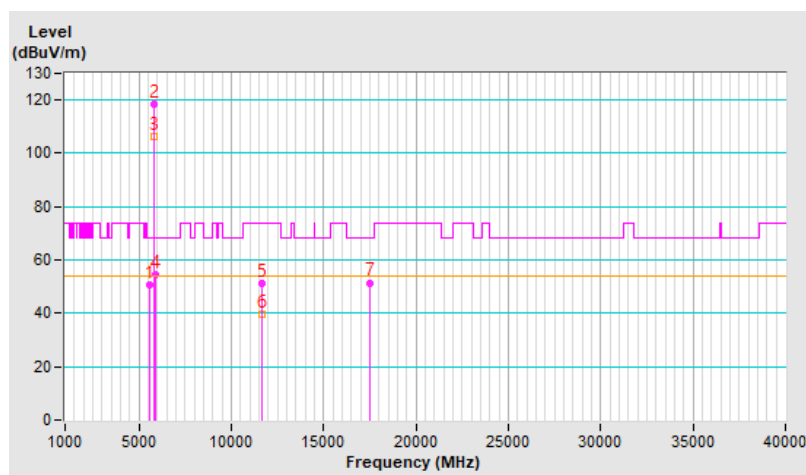


RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5567.25	50.5 PK	68.2	-17.7	1.07 H	252	47.8	2.7
2	*5825.00	118.2 PK			1.07 H	252	114.8	3.4
3	*5825.00	106.4 AV			1.07 H	252	103.0	3.4
4	#5933.15	54.4 PK	68.2	-13.8	1.07 H	252	50.9	3.5
5	11650.00	51.4 PK	74.0	-22.6	1.61 H	360	39.8	11.6
6	11650.00	39.5 AV	54.0	-14.5	1.61 H	360	27.9	11.6
7	#17475.00	51.5 PK	68.2	-16.7	1.51 H	360	33.9	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.

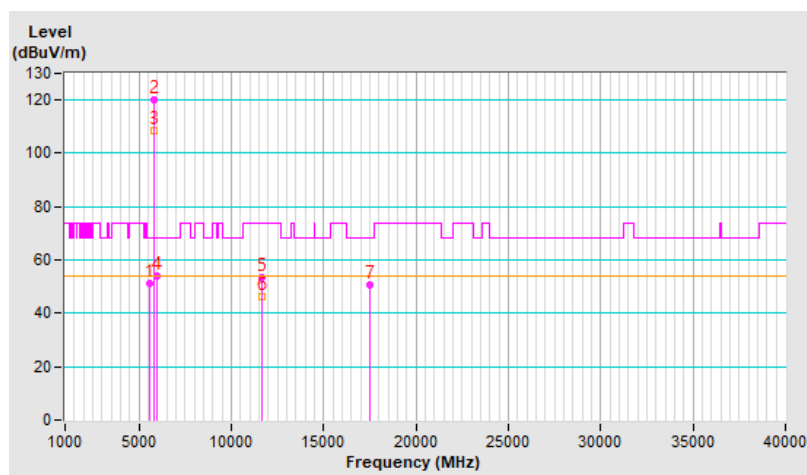


RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5587.85	51.2 PK	68.2	-17.0	3.66 V	104	48.5	2.7
2	*5825.00	120.1 PK			3.66 V	104	116.7	3.4
3	*5825.00	108.7 AV			3.66 V	104	105.3	3.4
4	#5936.26	53.9 PK	68.2	-14.3	3.66 V	104	50.4	3.5
5	11650.00	53.5 PK	74.0	-20.5	1.19 V	360	41.9	11.6
6	11650.00	46.4 AV	54.0	-7.6	1.19 V	360	34.8	11.6
7	#17475.00	50.9 PK	68.2	-17.3	1.19 V	223	33.3	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.

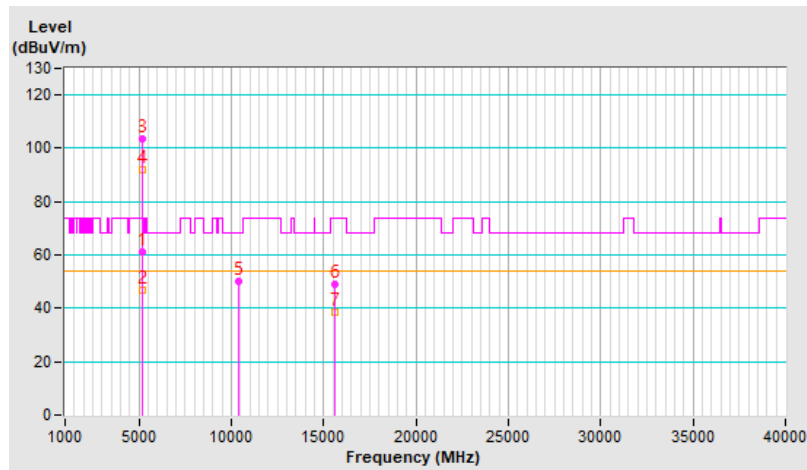


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.1 PK	74.0	-12.9	1.33 H	167	58.5	2.6
2	5150.00	46.9 AV	54.0	-7.1	1.33 H	167	44.3	2.6
3	*5190.00	103.4 PK			1.33 H	167	100.8	2.6
4	*5190.00	92.2 AV			1.33 H	167	89.6	2.6
5	#10380.00	50.2 PK	68.2	-18.0	2.46 H	285	38.8	11.4
6	15570.00	49.1 PK	74.0	-24.9	1.11 H	271	37.6	11.5
7	15570.00	38.4 AV	54.0	-15.6	1.11 H	271	26.9	11.5

Remarks:

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

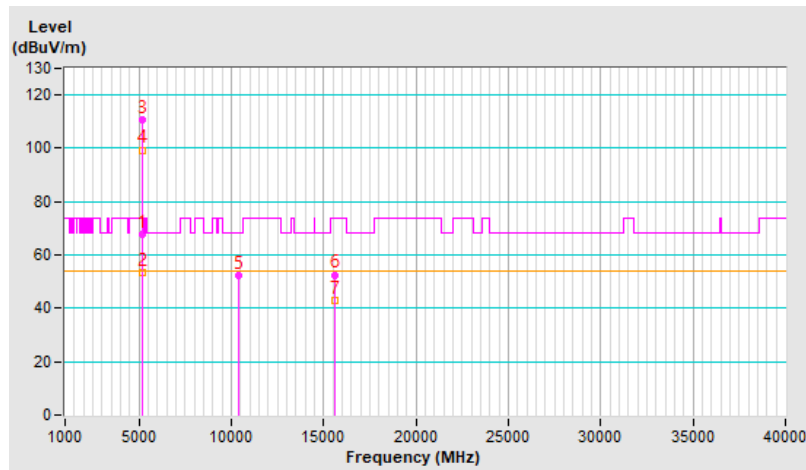


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.8 PK	74.0	-6.2	2.23 V	56	65.2	2.6
2	5150.00	53.2 AV	54.0	-0.8	2.23 V	56	50.6	2.6
3	*5190.00	110.6 PK			2.23 V	56	108.0	2.6
4	*5190.00	99.4 AV			2.23 V	56	96.8	2.6
5	#10380.00	52.3 PK	68.2	-15.9	1.03 V	219	40.9	11.4
6	15570.00	52.6 PK	74.0	-21.4	1.27 V	238	41.1	11.5
7	15570.00	42.9 AV	54.0	-11.1	1.27 V	238	31.4	11.5

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.

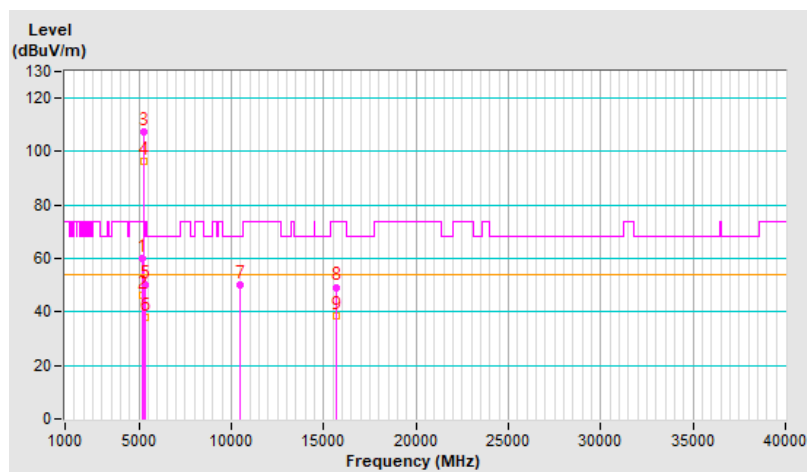


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.8 PK	74.0	-14.2	1.38 H	182	57.2	2.6
2	5150.00	46.5 AV	54.0	-7.5	1.38 H	182	43.9	2.6
3	*5230.00	107.5 PK			1.38 H	182	105.1	2.4
4	*5230.00	96.4 AV			1.38 H	182	94.0	2.4
5	5350.00	50.3 PK	74.0	-23.7	1.38 H	182	47.8	2.5
6	5350.00	38.2 AV	54.0	-15.8	1.38 H	182	35.7	2.5
7	#10460.00	50.2 PK	68.2	-18.0	2.42 H	286	38.5	11.7
8	15690.00	49.3 PK	74.0	-24.7	1.18 H	263	37.2	12.1
9	15690.00	38.4 AV	54.0	-15.6	1.18 H	263	26.3	12.1

Remarks:

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

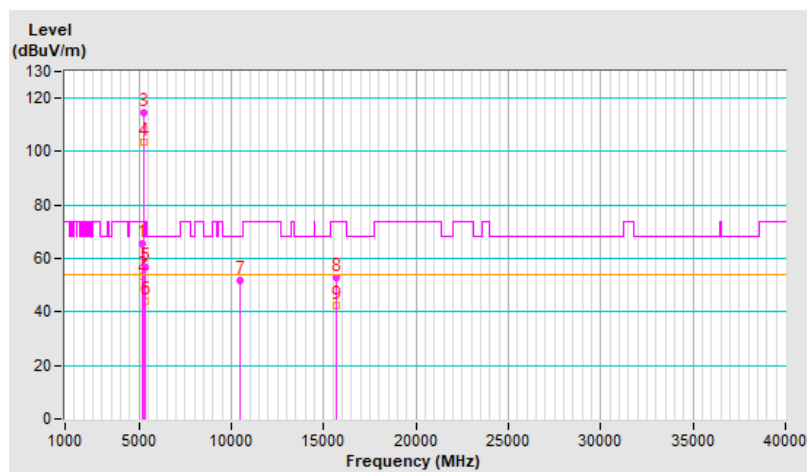


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.6 PK	74.0	-8.4	2.19 V	244	63.0	2.6
2	5150.00	53.3 AV	54.0	-0.7	2.19 V	244	50.7	2.6
3	*5230.00	114.8 PK			2.19 V	244	112.4	2.4
4	*5230.00	103.3 AV			2.19 V	244	100.9	2.4
5	5350.00	56.8 PK	74.0	-17.2	2.19 V	244	54.3	2.5
6	5350.00	44.2 AV	54.0	-9.8	2.19 V	244	41.7	2.5
7	#10460.00	51.6 PK	68.2	-16.6	1.55 V	329	39.9	11.7
8	15690.00	52.9 PK	74.0	-21.1	1.26 V	220	40.8	12.1
9	15690.00	42.6 AV	54.0	-11.4	1.26 V	220	30.5	12.1

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.

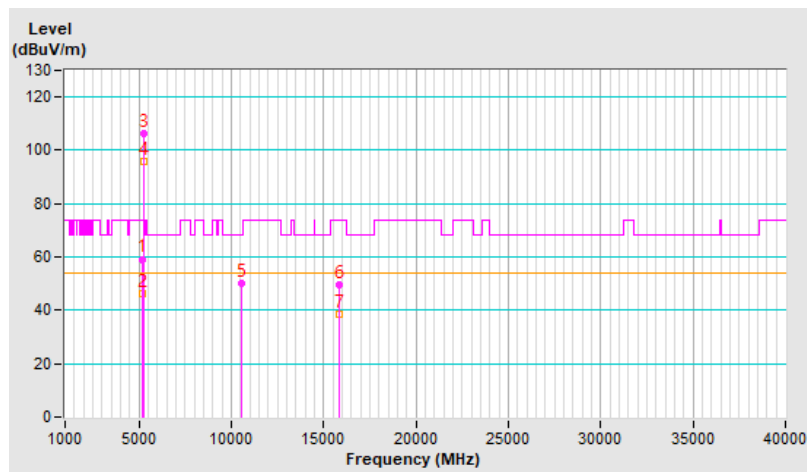


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.32 H	195	56.6	2.6
2	5150.00	46.2 AV	54.0	-7.8	1.32 H	195	43.6	2.6
3	*5270.00	106.3 PK			1.32 H	195	104.1	2.2
4	*5270.00	95.6 AV			1.32 H	195	93.4	2.2
5	#10540.00	50.0 PK	68.2	-18.2	2.38 H	263	38.4	11.6
6	15810.00	49.5 PK	74.0	-24.5	1.24 H	271	37.5	12.0
7	15810.00	38.7 AV	54.0	-15.3	1.24 H	271	26.7	12.0

Remarks:

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

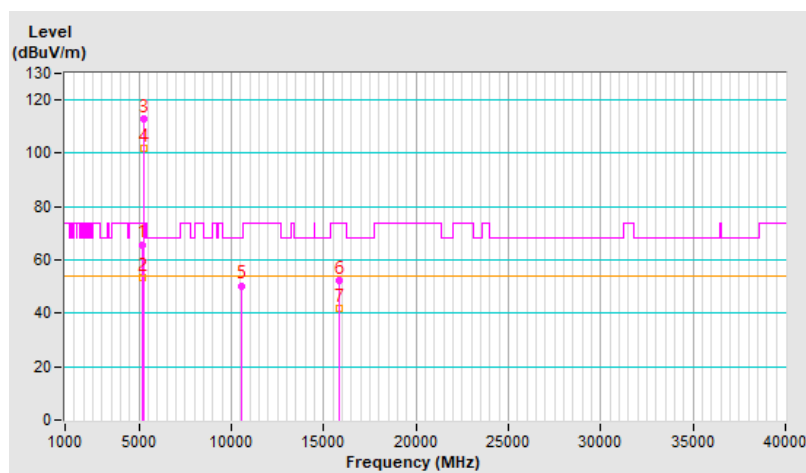


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	65.8 PK	74.0	-8.2	2.13 V	239	63.2	2.6
2	5150.00	53.3 AV	54.0	-0.7	2.13 V	239	50.7	2.6
3	*5270.00	112.9 PK			2.13 V	239	110.7	2.2
4	*5270.00	102.1 AV			2.13 V	239	99.9	2.2
5	#10540.00	50.4 PK	68.2	-17.8	1.57 V	337	38.8	11.6
6	15810.00	52.1 PK	74.0	-21.9	1.31 V	191	40.1	12.0
7	15810.00	41.9 AV	54.0	-12.1	1.31 V	191	29.9	12.0

Remarks:

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

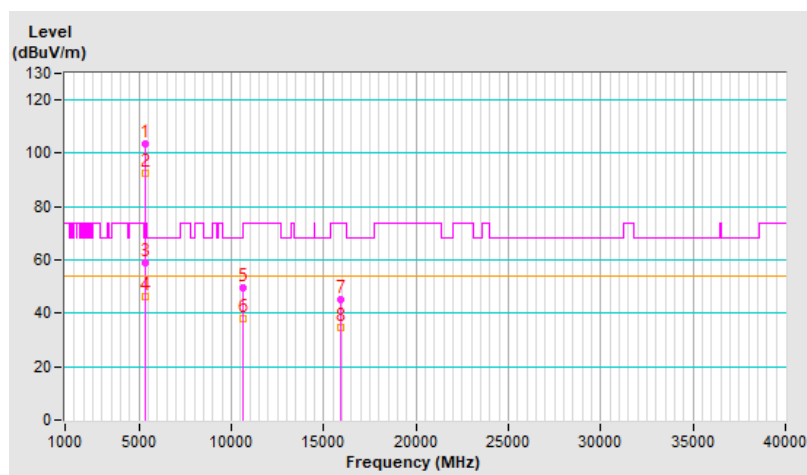


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.5 PK			1.54 H	165	101.3	2.2
2	*5310.00	92.4 AV			1.54 H	165	90.2	2.2
3	5350.00	59.1 PK	74.0	-14.9	1.54 H	165	56.6	2.5
4	5350.00	46.2 AV	54.0	-7.8	1.54 H	165	43.7	2.5
5	10620.00	49.5 PK	74.0	-24.5	1.58 H	360	38.2	11.3
6	10620.00	37.8 AV	54.0	-16.2	1.58 H	360	26.5	11.3
7	15930.00	45.0 PK	74.0	-29.0	1.31 H	275	33.5	11.5
8	15930.00	34.6 AV	54.0	-19.4	1.31 H	275	23.1	11.5

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.

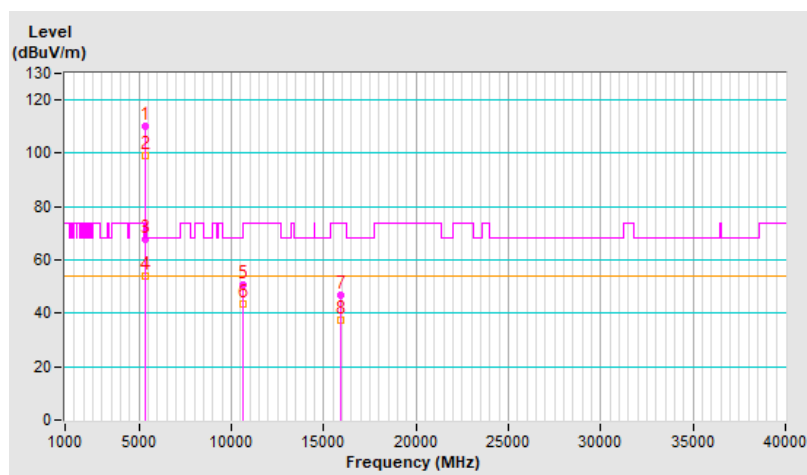


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.4 PK			2.34 V	232	108.2	2.2
2	*5310.00	99.3 AV			2.34 V	232	97.1	2.2
3	5350.00	67.8 PK	74.0	-6.2	2.34 V	232	65.3	2.5
4	5350.00	53.9 AV	54.0	-0.1	2.34 V	232	51.4	2.5
5	10620.00	50.9 PK	74.0	-23.1	1.29 V	343	39.6	11.3
6	10620.00	43.7 AV	54.0	-10.3	1.29 V	343	32.4	11.3
7	15930.00	47.0 PK	74.0	-27.0	1.45 V	229	35.5	11.5
8	15930.00	37.5 AV	54.0	-16.5	1.45 V	229	26.0	11.5

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.

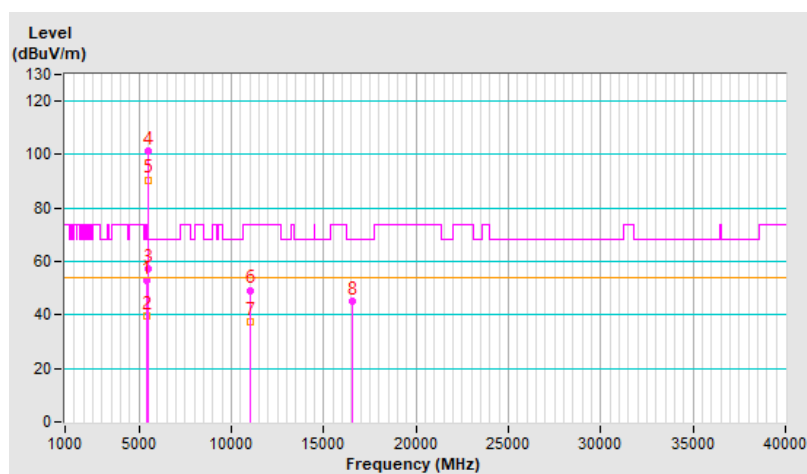


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.1 PK	74.0	-20.9	1.54 H	164	50.5	2.6
2	5460.00	39.6 AV	54.0	-14.4	1.54 H	164	37.0	2.6
3	#5470.00	57.3 PK	68.2	-10.9	1.54 H	164	54.7	2.6
4	*5510.00	101.5 PK			1.54 H	164	98.8	2.7
5	*5510.00	90.6 AV			1.54 H	164	87.9	2.7
6	11020.00	49.3 PK	74.0	-24.7	1.47 H	360	37.2	12.1
7	11020.00	37.3 AV	54.0	-16.7	1.47 H	360	25.2	12.1
8	#16530.00	45.0 PK	68.2	-23.2	1.42 H	278	30.5	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.

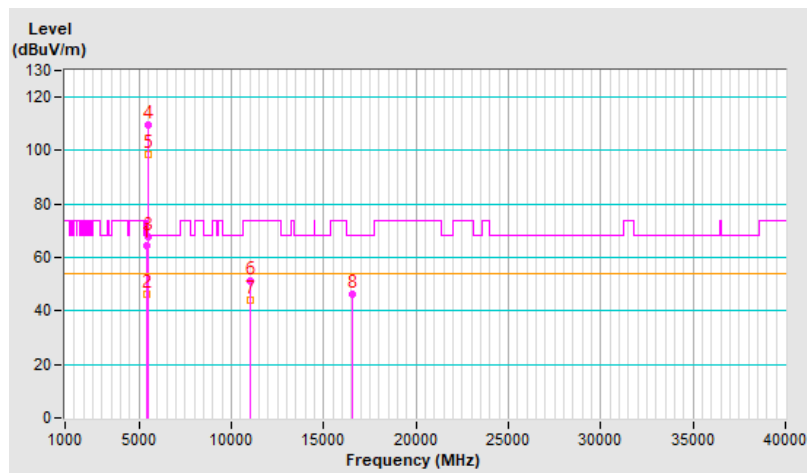


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	64.7 PK	74.0	-9.3	2.30 V	272	62.1	2.6
2	5460.00	46.0 AV	54.0	-8.0	2.30 V	272	43.4	2.6
3	#5470.00	67.5 PK	68.2	-0.7	2.30 V	272	64.9	2.6
4	*5510.00	109.8 PK			2.30 V	272	107.1	2.7
5	*5510.00	98.6 AV			2.30 V	272	95.9	2.7
6	11020.00	51.1 PK	74.0	-22.9	1.31 V	354	39.0	12.1
7	11020.00	43.8 AV	54.0	-10.2	1.31 V	354	31.7	12.1
8	#16530.00	46.5 PK	68.2	-21.7	1.47 V	214	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.

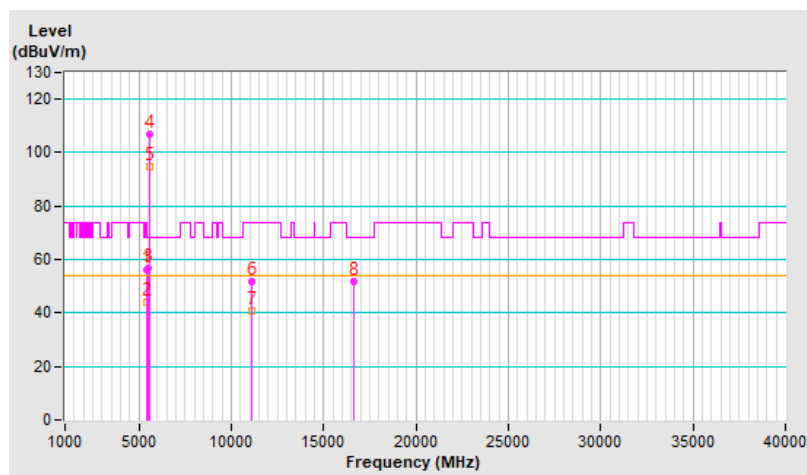


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.4 PK	74.0	-17.6	1.49 H	159	53.8	2.6
2	5460.00	44.2 AV	54.0	-9.8	1.49 H	159	41.6	2.6
3	#5470.00	56.8 PK	68.2	-11.4	1.49 H	159	54.2	2.6
4	*5550.00	106.7 PK			1.49 H	159	104.0	2.7
5	*5550.00	94.8 AV			1.49 H	159	92.1	2.7
6	11100.00	51.8 PK	74.0	-22.2	1.58 H	357	39.9	11.9
7	11100.00	40.5 AV	54.0	-13.5	1.58 H	357	28.6	11.9
8	#16650.00	52.0 PK	68.2	-16.2	1.55 H	360	37.7	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.

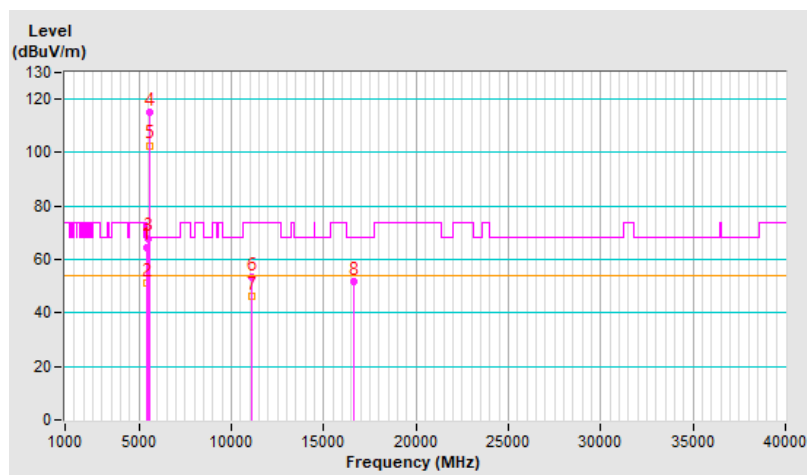


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	64.7 PK	74.0	-9.3	2.26 V	264	62.1	2.6
2	5460.00	51.3 AV	54.0	-2.7	2.26 V	264	48.7	2.6
3	#5470.00	68.0 PK	68.2	-0.2	2.26 V	264	65.4	2.6
4	*5550.00	115.3 PK			2.26 V	264	112.6	2.7
5	*5550.00	102.7 AV			2.26 V	264	100.0	2.7
6	11100.00	53.3 PK	74.0	-20.7	1.15 V	351	41.4	11.9
7	11100.00	46.0 AV	54.0	-8.0	1.15 V	351	34.1	11.9
8	#16650.00	51.7 PK	68.2	-16.5	1.41 V	226	37.4	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.

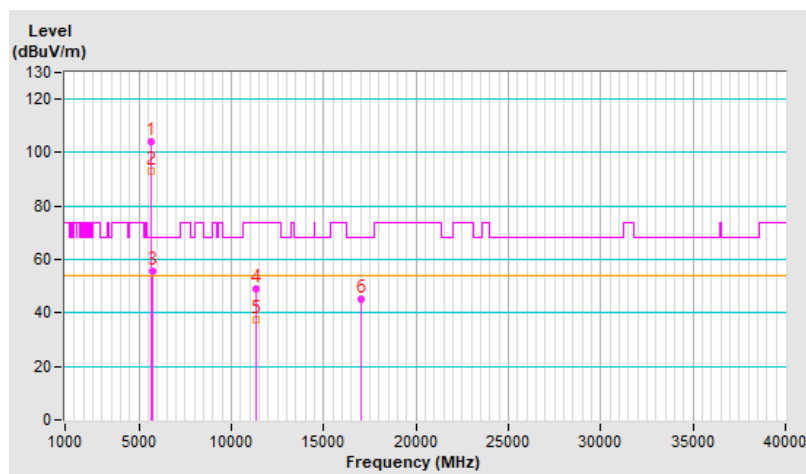


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	104.2 PK			1.46 H	161	101.4	2.8
2	*5670.00	93.1 AV			1.46 H	161	90.3	2.8
3	#5725.00	55.6 PK	68.2	-12.6	1.46 H	161	52.7	2.9
4	11340.00	48.8 PK	74.0	-25.2	1.34 H	360	36.6	12.2
5	11340.00	37.3 AV	54.0	-16.7	1.34 H	360	25.1	12.2
6	#17010.00	45.1 PK	68.2	-23.1	1.39 H	360	29.1	16.0

Remarks:

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

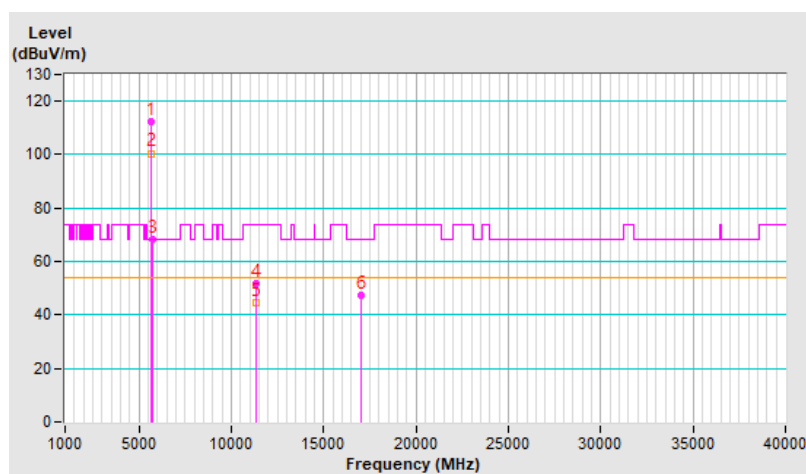


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	112.6 PK			2.17 V	272	109.8	2.8
2	*5670.00	100.5 AV			2.17 V	272	97.7	2.8
3	#5725.00	68.1 PK	68.2	-0.1	2.17 V	272	65.2	2.9
4	11340.00	51.8 PK	74.0	-22.2	1.36 V	354	39.6	12.2
5	11340.00	44.6 AV	54.0	-9.4	1.36 V	354	32.4	12.2
6	#17010.00	47.5 PK	68.2	-20.7	1.40 V	222	31.5	16.0

Remarks:

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

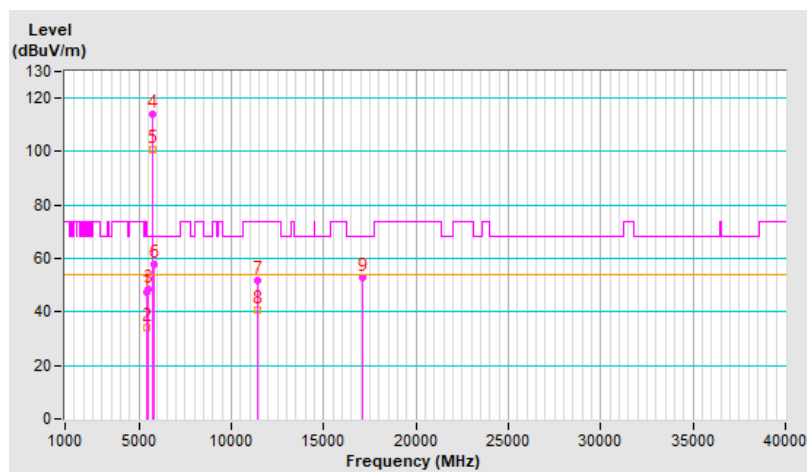


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	47.6 PK	74.0	-26.4	1.14 H	250	45.0	2.6
2	5460.00	34.3 AV	54.0	-19.7	1.14 H	250	31.7	2.6
3	#5470.00	48.2 PK	68.2	-20.0	1.14 H	250	45.6	2.6
4	*5710.00	114.2 PK			1.14 H	250	111.3	2.9
5	*5710.00	100.9 AV			1.14 H	250	98.0	2.9
6	#5850.00	57.6 PK	68.2	-10.6	1.14 H	250	54.2	3.4
7	11420.00	51.7 PK	74.0	-22.3	1.61 H	360	39.6	12.1
8	11420.00	40.6 AV	54.0	-13.4	1.61 H	360	28.5	12.1
9	#17130.00	52.8 PK	68.2	-15.4	1.46 H	360	36.0	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.

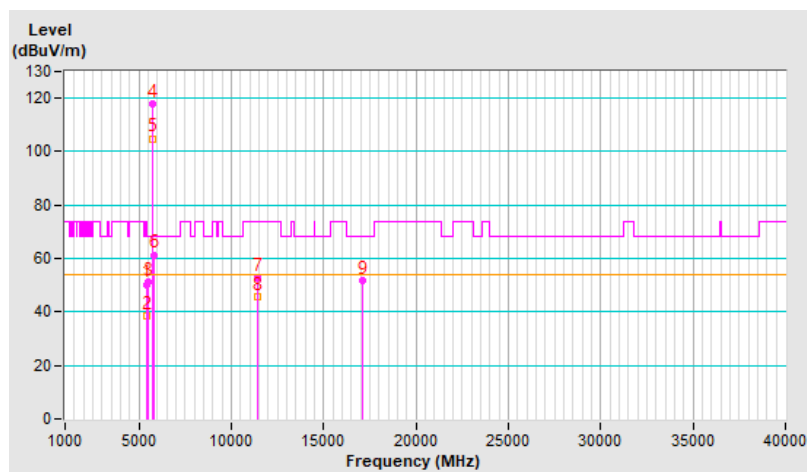


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.4 PK	74.0	-23.6	2.09 V	272	47.8	2.6
2	5460.00	38.7 AV	54.0	-15.3	2.09 V	272	36.1	2.6
3	#5470.00	51.4 PK	68.2	-16.8	2.09 V	272	48.8	2.6
4	*5710.00	118.0 PK			2.09 V	272	115.1	2.9
5	*5710.00	104.9 AV			2.09 V	272	102.0	2.9
6	#5850.00	61.4 PK	68.2	-6.8	2.09 V	272	58.0	3.4
7	11420.00	53.0 PK	74.0	-21.0	1.21 V	336	40.9	12.1
8	11420.00	45.9 AV	54.0	-8.1	1.21 V	336	33.8	12.1
9	#17130.00	52.0 PK	68.2	-16.2	1.11 V	218	35.2	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.

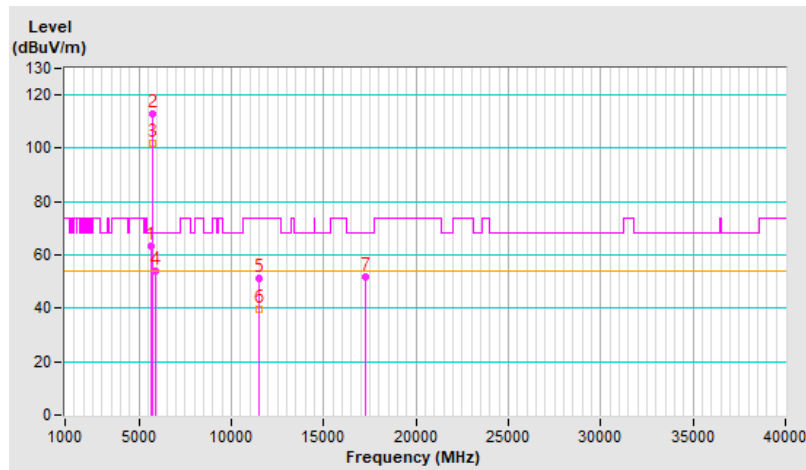


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.78	63.1 PK	68.2	-5.1	1.16 H	253	60.3	2.8
2	*5755.00	113.1 PK			1.16 H	253	110.0	3.1
3	*5755.00	101.7 AV			1.16 H	253	98.6	3.1
4	#5931.56	53.9 PK	68.2	-14.3	1.16 H	253	50.4	3.5
5	11510.00	51.3 PK	74.0	-22.7	1.62 H	360	39.1	12.2
6	11510.00	39.7 AV	54.0	-14.3	1.62 H	360	27.5	12.2
7	#17265.00	51.9 PK	68.2	-16.3	1.49 H	349	35.0	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.

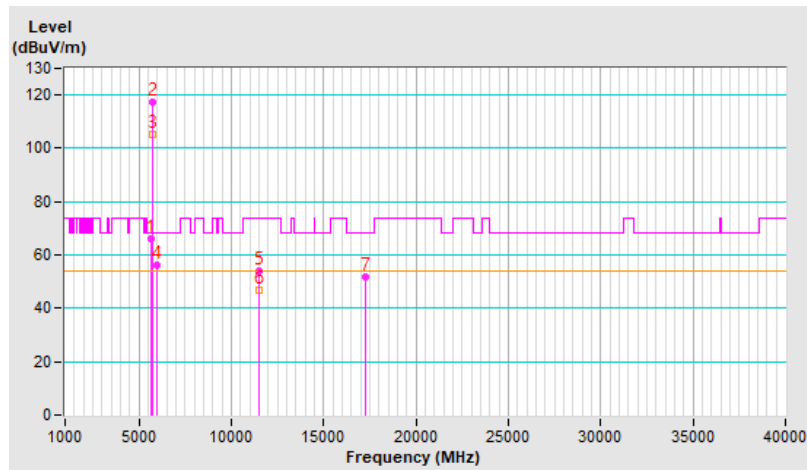


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.94	66.1 PK	68.2	-2.1	2.11 V	271	63.3	2.8
2	*5755.00	117.2 PK			2.11 V	271	114.1	3.1
3	*5755.00	105.4 AV			2.11 V	271	102.3	3.1
4	#5937.41	56.1 PK	68.2	-12.1	2.11 V	271	52.6	3.5
5	11510.00	54.1 PK	74.0	-19.9	1.15 V	360	41.9	12.2
6	11510.00	46.7 AV	54.0	-7.3	1.15 V	360	34.5	12.2
7	#17265.00	51.6 PK	68.2	-16.6	1.18 V	213	34.7	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.

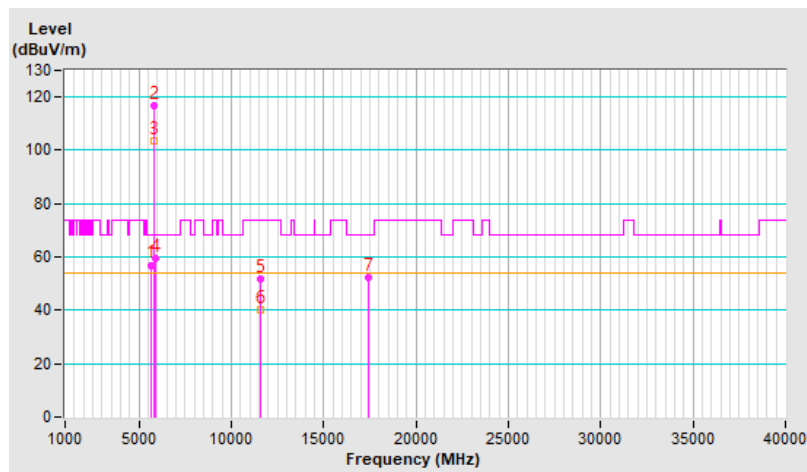


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.19	57.0 PK	68.2	-11.2	1.16 H	252	54.2	2.8
2	*5795.00	116.7 PK			1.16 H	252	113.4	3.3
3	*5795.00	103.4 AV			1.16 H	252	100.1	3.3
4	#5933.95	59.3 PK	68.2	-8.9	1.16 H	252	55.8	3.5
5	11590.00	51.9 PK	74.0	-22.1	1.57 H	357	40.2	11.7
6	11590.00	40.0 AV	54.0	-14.0	1.57 H	357	28.3	11.7
7	#17385.00	52.2 PK	68.2	-16.0	1.44 H	345	35.5	16.7

Remarks:

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

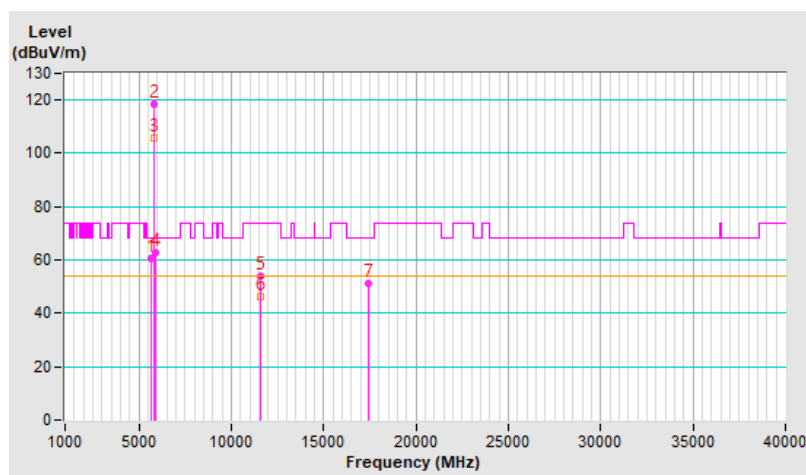


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.33	60.5 PK	68.2	-7.7	2.11 V	275	57.7	2.8
2	*5795.00	118.2 PK			2.11 V	275	114.9	3.3
3	*5795.00	105.9 AV			2.11 V	275	102.6	3.3
4	#5926.68	62.8 PK	68.2	-5.4	2.11 V	275	59.3	3.5
5	11590.00	53.9 PK	74.0	-20.1	1.18 V	360	42.2	11.7
6	11590.00	46.4 AV	54.0	-7.6	1.18 V	360	34.7	11.7
7	#17385.00	51.4 PK	68.2	-16.8	1.18 V	222	34.7	16.7

Remarks:

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

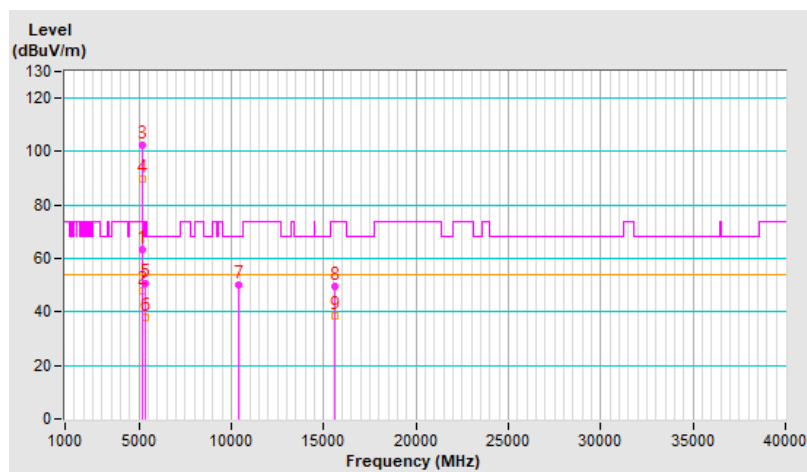


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.48 H	165	60.5	2.6
2	5150.00	48.1 AV	54.0	-5.9	1.48 H	165	45.5	2.6
3	*5210.00	102.3 PK			1.48 H	165	99.8	2.5
4	*5210.00	89.7 AV			1.48 H	165	87.2	2.5
5	5350.00	50.8 PK	74.0	-23.2	1.48 H	165	48.3	2.5
6	5350.00	38.0 AV	54.0	-16.0	1.48 H	165	35.5	2.5
7	#10420.00	50.1 PK	68.2	-18.1	2.47 H	277	38.5	11.6
8	15630.00	49.4 PK	74.0	-24.6	1.09 H	266	37.7	11.7
9	15630.00	38.5 AV	54.0	-15.5	1.09 H	266	26.8	11.7

Remarks:

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

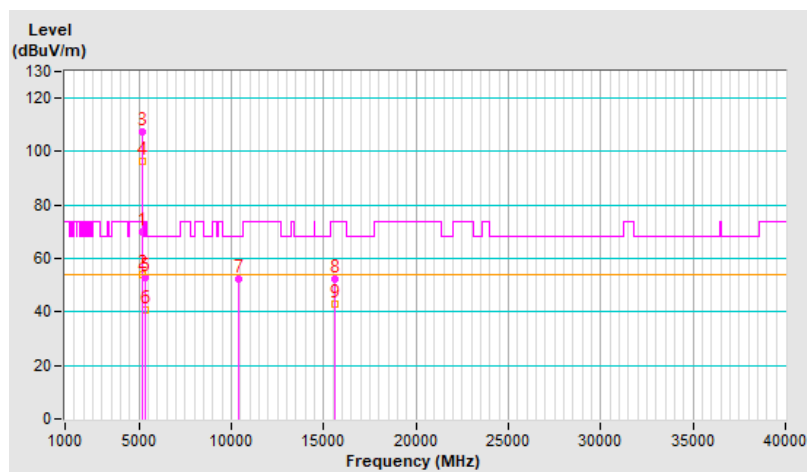


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.0 PK	74.0	-4.0	2.11 V	109	67.4	2.6
2	5150.00	53.8 AV	54.0	-0.2	2.11 V	109	51.2	2.6
3	*5210.00	107.3 PK			2.11 V	109	104.8	2.5
4	*5210.00	96.3 AV			2.11 V	109	93.8	2.5
5	5350.00	53.0 PK	74.0	-21.0	2.11 V	109	50.5	2.5
6	5350.00	40.9 AV	54.0	-13.1	2.11 V	109	38.4	2.5
7	#10420.00	52.1 PK	68.2	-16.1	1.00 V	211	40.5	11.6
8	15630.00	52.3 PK	74.0	-21.7	1.22 V	237	40.6	11.7
9	15630.00	42.7 AV	54.0	-11.3	1.22 V	237	31.0	11.7

Remarks:

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

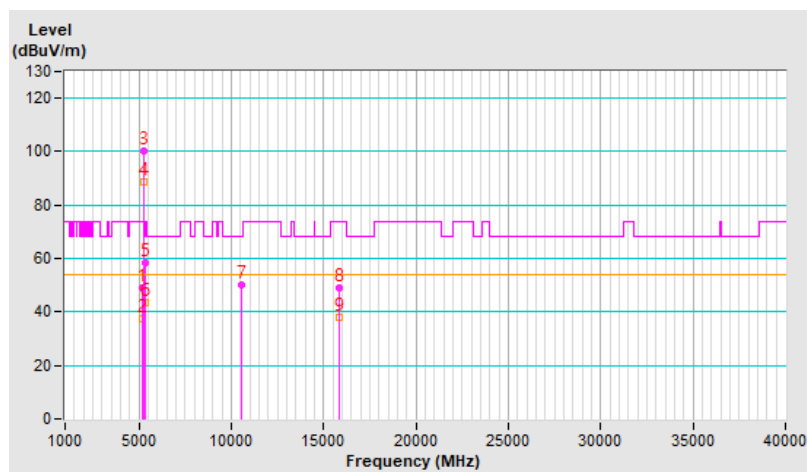


RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	49.0 PK	74.0	-25.0	1.29 H	159	46.4	2.6
2	5150.00	37.2 AV	54.0	-16.8	1.29 H	159	34.6	2.6
3	*5290.00	100.4 PK			1.29 H	159	98.2	2.2
4	*5290.00	88.5 AV			1.29 H	159	86.3	2.2
5	5350.00	58.4 PK	74.0	-15.6	1.29 H	159	55.9	2.5
6	5350.00	43.4 AV	54.0	-10.6	1.29 H	159	40.9	2.5
7	#10580.00	50.3 PK	68.2	-17.9	2.45 H	270	38.9	11.4
8	15870.00	48.9 PK	74.0	-25.1	1.09 H	278	37.1	11.8
9	15870.00	38.0 AV	54.0	-16.0	1.09 H	278	26.2	11.8

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.

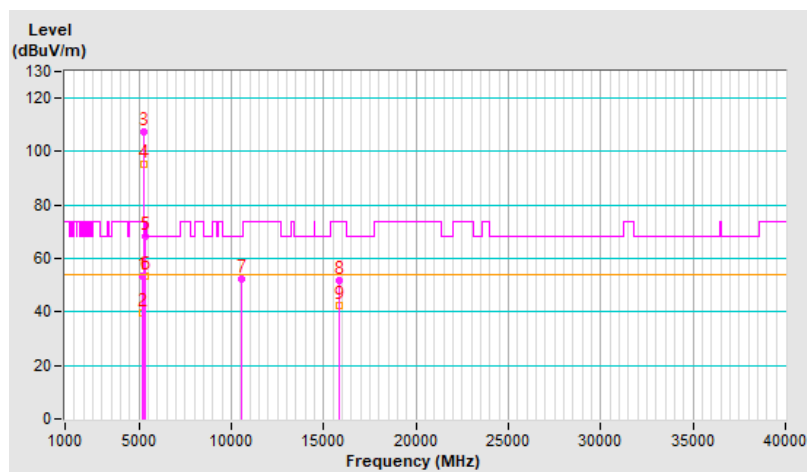


RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.4 PK	74.0	-20.6	2.11 V	242	50.8	2.6
2	5150.00	39.4 AV	54.0	-14.6	2.11 V	242	36.8	2.6
3	*5290.00	107.6 PK			2.11 V	242	105.4	2.2
4	*5290.00	95.2 AV			2.11 V	242	93.0	2.2
5	5350.00	68.2 PK	74.0	-5.8	2.11 V	242	65.7	2.5
6	5350.00	53.2 AV	54.0	-0.8	2.11 V	242	50.7	2.5
7	#10580.00	52.3 PK	68.2	-15.9	1.01 V	205	40.9	11.4
8	15870.00	52.0 PK	74.0	-22.0	1.25 V	246	40.2	11.8
9	15870.00	42.2 AV	54.0	-11.8	1.25 V	246	30.4	11.8

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.

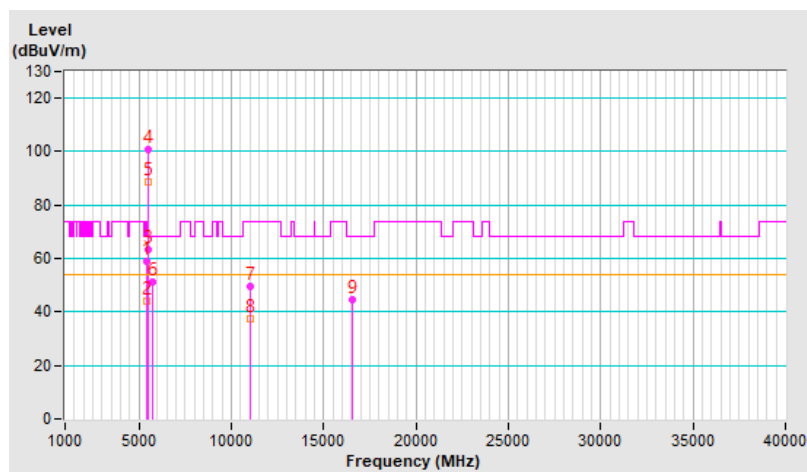


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.1 PK	74.0	-14.9	1.15 H	260	56.5	2.6
2	5460.00	44.0 AV	54.0	-10.0	1.15 H	260	41.4	2.6
3	#5470.00	63.1 PK	68.2	-5.1	1.15 H	260	60.5	2.6
4	*5530.00	100.6 PK			1.15 H	260	97.9	2.7
5	*5530.00	88.9 AV			1.15 H	260	86.2	2.7
6	#5725.00	51.1 PK	68.2	-17.1	1.15 H	260	48.2	2.9
7	11060.00	49.4 PK	74.0	-24.6	1.50 H	360	37.4	12.0
8	11060.00	37.2 AV	54.0	-16.8	1.50 H	360	25.2	12.0
9	#16590.00	44.8 PK	68.2	-23.4	1.44 H	267	30.5	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.

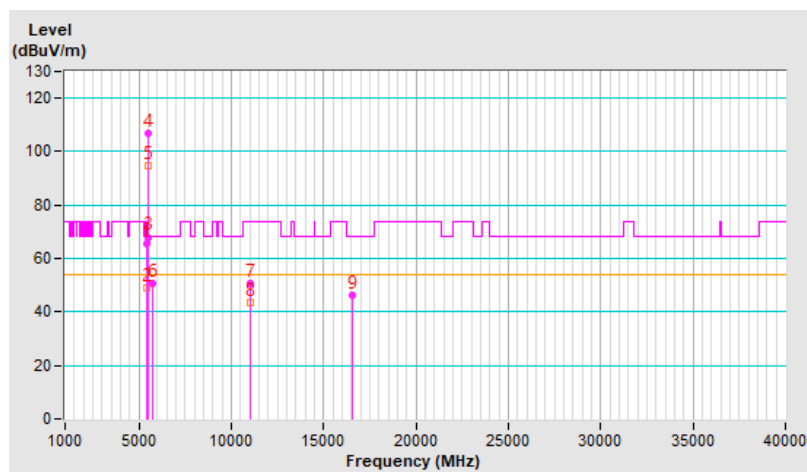


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.97 V	265	63.1	2.6
2	5460.00	49.1 AV	54.0	-4.9	1.97 V	265	46.5	2.6
3	#5470.00	68.0 PK	68.2	-0.2	1.97 V	265	65.4	2.6
4	*5530.00	106.8 PK			1.97 V	265	104.1	2.7
5	*5530.00	94.5 AV			1.97 V	265	91.8	2.7
6	#5725.00	50.8 PK	68.2	-17.4	1.97 V	265	47.9	2.9
7	11060.00	50.8 PK	74.0	-23.2	1.33 V	357	38.8	12.0
8	11060.00	43.4 AV	54.0	-10.6	1.33 V	357	31.4	12.0
9	#16590.00	46.5 PK	68.2	-21.7	1.51 V	210	32.2	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.

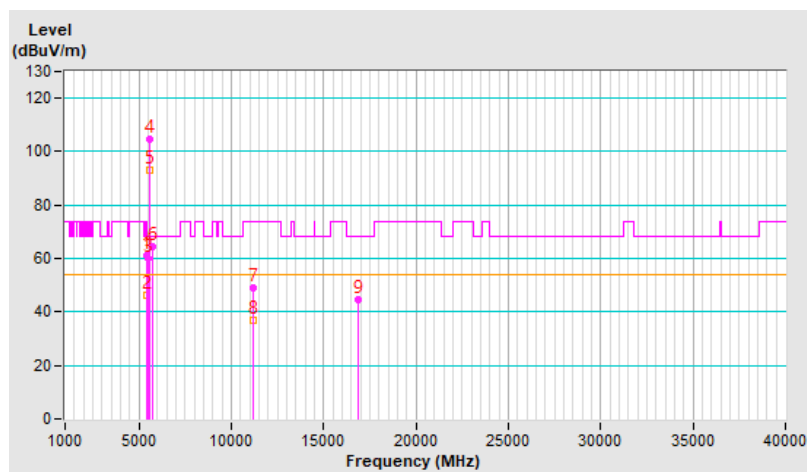


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	1.21 H	276	58.5	2.6
2	5460.00	46.4 AV	54.0	-7.6	1.21 H	276	43.8	2.6
3	#5470.00	60.1 PK	68.2	-8.1	1.21 H	276	57.5	2.6
4	*5610.00	104.7 PK			1.21 H	276	102.0	2.7
5	*5610.00	93.1 AV			1.21 H	276	90.4	2.7
6	#5725.00	64.2 PK	68.2	-4.0	1.21 H	276	61.3	2.9
7	11220.00	48.9 PK	74.0	-25.1	1.45 H	349	36.8	12.1
8	11220.00	36.7 AV	54.0	-17.3	1.45 H	349	24.6	12.1
9	#16830.00	44.7 PK	68.2	-23.5	1.47 H	281	29.5	15.2

Remarks:

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

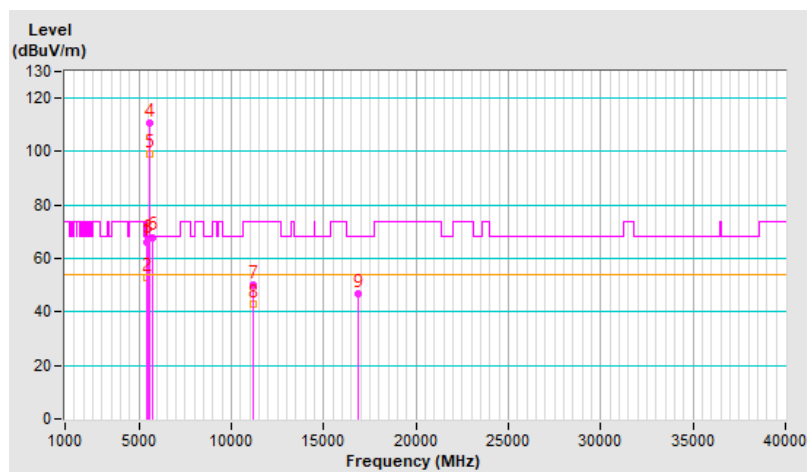


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	66.3 PK	74.0	-7.7	2.15 V	272	63.7	2.6
2	5460.00	53.0 AV	54.0	-1.0	2.15 V	272	50.4	2.6
3	#5470.00	67.2 PK	68.2	-1.0	2.15 V	272	64.6	2.6
4	*5610.00	110.8 PK			2.15 V	272	108.1	2.7
5	*5610.00	98.9 AV			2.15 V	272	96.2	2.7
6	#5725.00	68.0 PK	68.2	-0.2	2.15 V	272	65.1	2.9
7	11220.00	50.3 PK	74.0	-23.7	1.31 V	360	38.2	12.1
8	11220.00	43.0 AV	54.0	-11.0	1.31 V	360	30.9	12.1
9	#16830.00	46.9 PK	68.2	-21.3	1.47 V	205	31.7	15.2

Remarks:

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

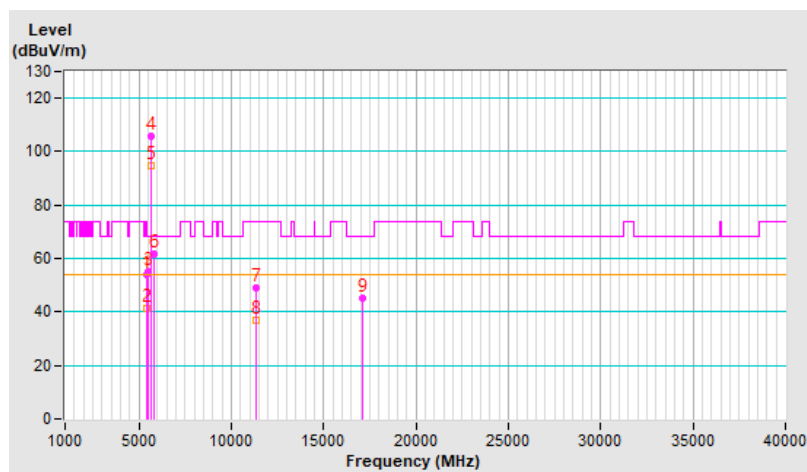


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.2 PK	74.0	-19.8	1.22 H	271	51.6	2.6
2	5460.00	41.2 AV	54.0	-12.8	1.22 H	271	38.6	2.6
3	#5470.00	55.1 PK	68.2	-13.1	1.22 H	271	52.5	2.6
4	*5690.00	105.8 PK			1.22 H	271	103.0	2.8
5	*5690.00	94.5 AV			1.22 H	271	91.7	2.8
6	#5850.00	61.8 PK	68.2	-6.4	1.22 H	271	58.4	3.4
7	11380.00	48.8 PK	74.0	-25.2	1.43 H	348	36.7	12.1
8	11380.00	36.7 AV	54.0	-17.3	1.43 H	348	24.6	12.1
9	#17070.00	44.9 PK	68.2	-23.3	1.49 H	288	28.3	16.6

Remarks:

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

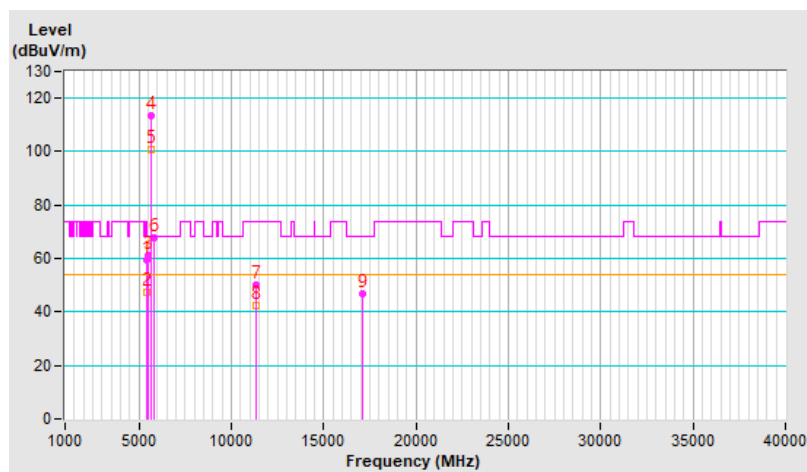


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.3 PK	74.0	-14.7	2.15 V	272	56.7	2.6
2	5460.00	47.6 AV	54.0	-6.4	2.15 V	272	45.0	2.6
3	#5470.00	61.2 PK	68.2	-7.0	2.15 V	272	58.6	2.6
4	*5690.00	113.2 PK			2.15 V	272	110.4	2.8
5	*5690.00	100.9 AV			2.15 V	272	98.1	2.8
6	#5850.00	67.8 PK	68.2	-0.4	2.15 V	272	64.4	3.4
7	11380.00	50.1 PK	74.0	-23.9	1.37 V	356	38.0	12.1
8	11380.00	42.6 AV	54.0	-11.4	1.37 V	356	30.5	12.1
9	#17070.00	46.6 PK	68.2	-21.6	1.45 V	199	30.0	16.6

Remarks:

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

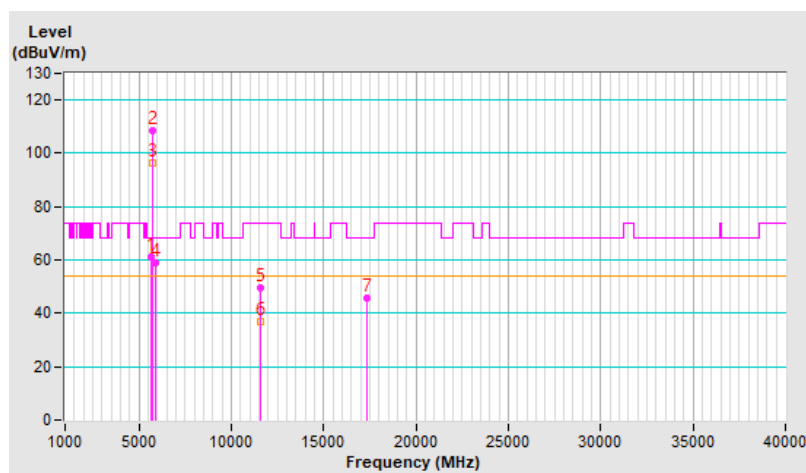


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.73	61.1 PK	68.2	-7.1	1.22 H	254	58.3	2.8
2	*5775.00	108.7 PK			1.22 H	254	105.5	3.2
3	*5775.00	96.6 AV			1.22 H	254	93.4	3.2
4	#5930.81	59.0 PK	68.2	-9.2	1.22 H	254	55.5	3.5
5	11550.00	49.5 PK	74.0	-24.5	1.48 H	335	37.5	12.0
6	11550.00	37.1 AV	54.0	-16.9	1.48 H	335	25.1	12.0
7	#17325.00	45.6 PK	68.2	-22.6	1.49 H	276	28.8	16.8

Remarks:

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

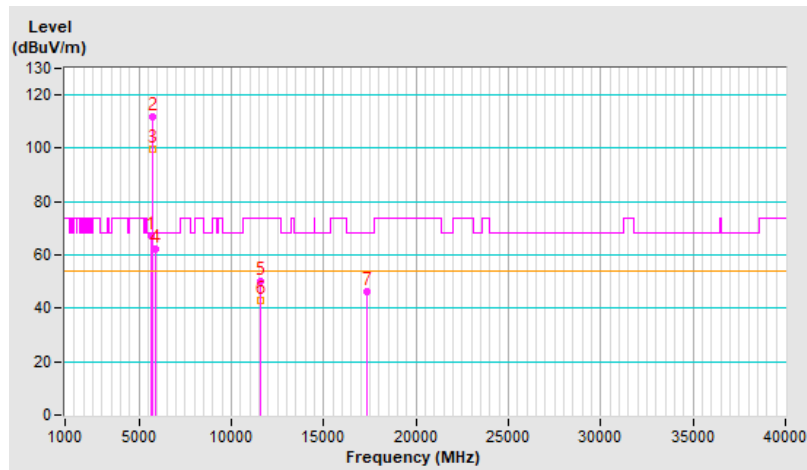


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 72 % RH
Tested By	Andy Ho		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.34	67.3 PK	68.2	-0.9	2.17 V	272	64.5	2.8
2	*5775.00	111.7 PK			2.17 V	272	108.5	3.2
3	*5775.00	99.7 AV			2.17 V	272	96.5	3.2
4	#5929.82	62.0 PK	68.2	-6.2	2.17 V	272	58.5	3.5
5	11550.00	50.2 PK	74.0	-23.8	1.42 V	357	38.2	12.0
6	11550.00	42.9 AV	54.0	-11.1	1.42 V	357	30.9	12.0
7	#17325.00	46.3 PK	68.2	-21.9	1.42 V	196	29.5	16.8

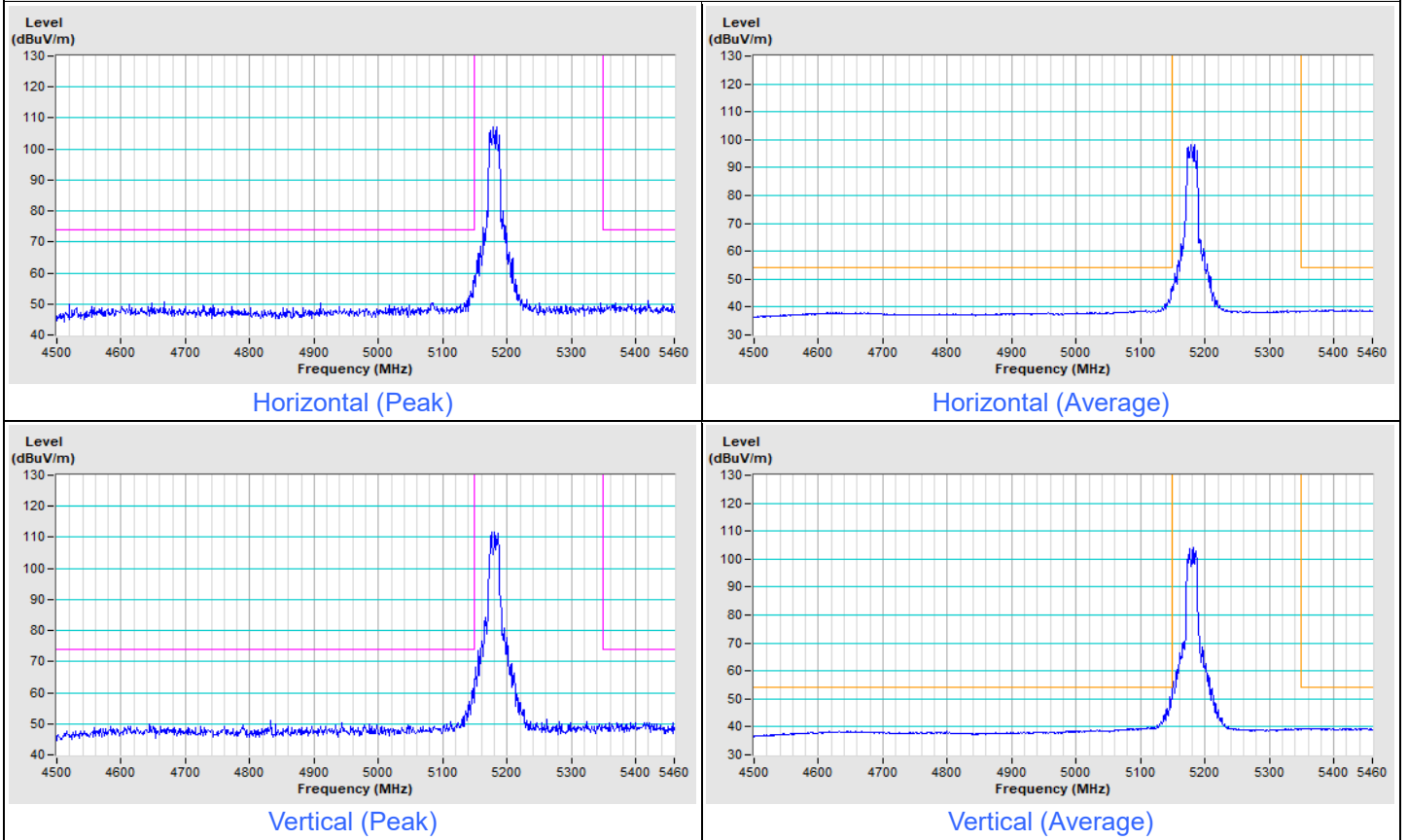
Remarks:

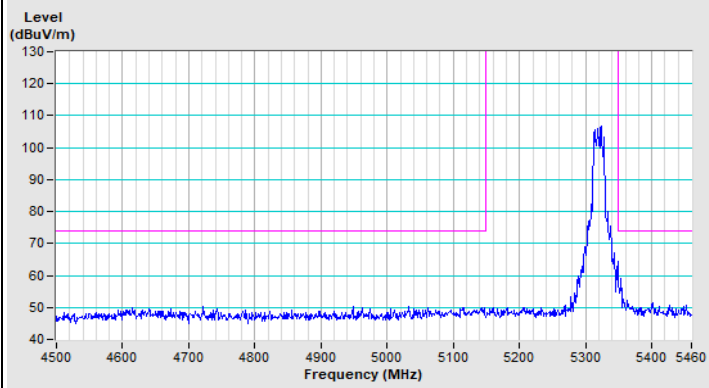
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



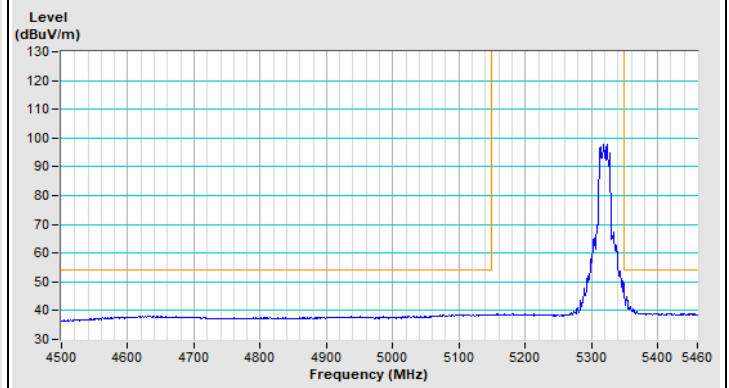
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
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802.11a Channel 36

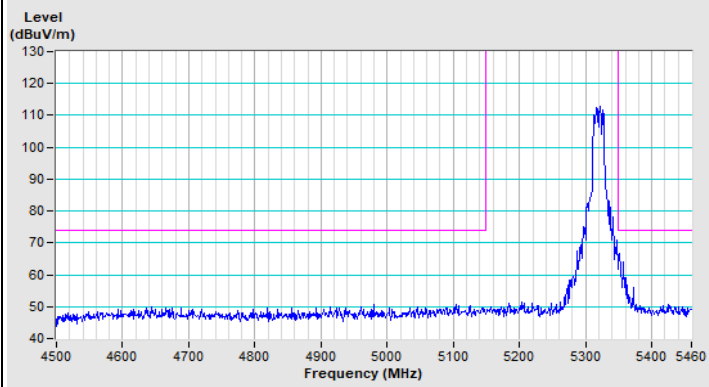


802.11a Channel 64

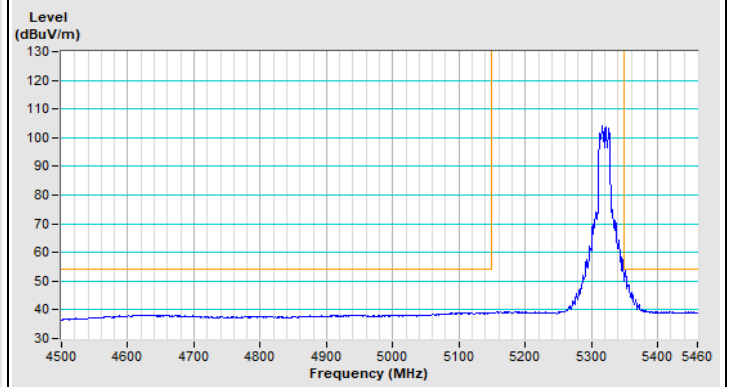
Horizontal (Peak)



Horizontal (Average)



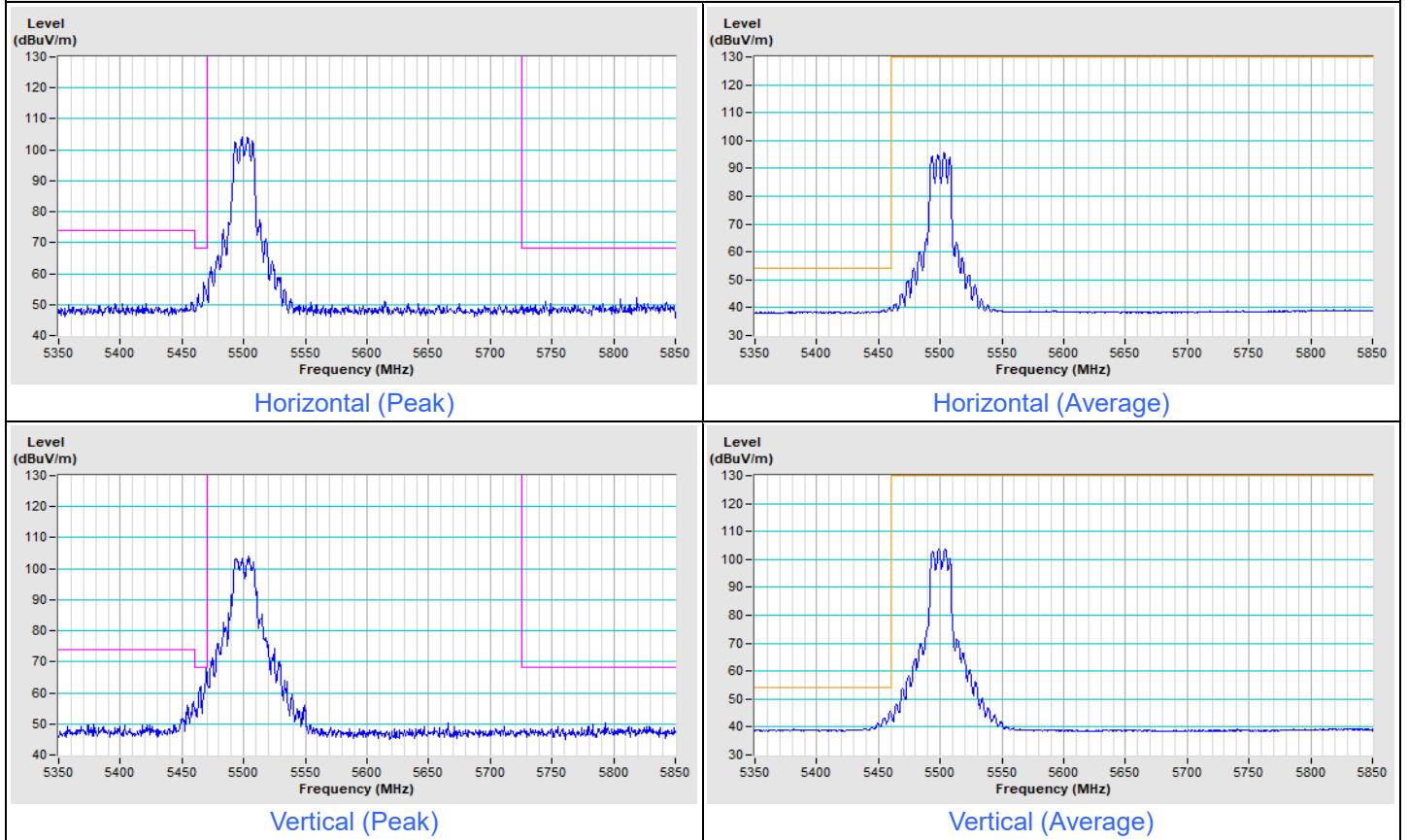
Vertical (Peak)



Vertical (Average)

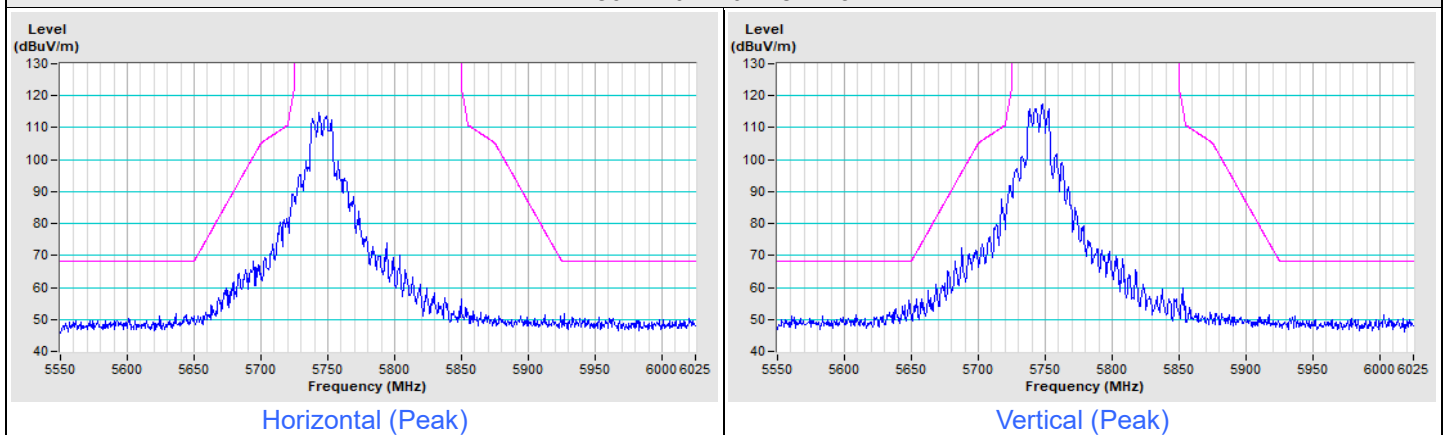
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=510 Hz, DET=Peak
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802.11a Channel 100

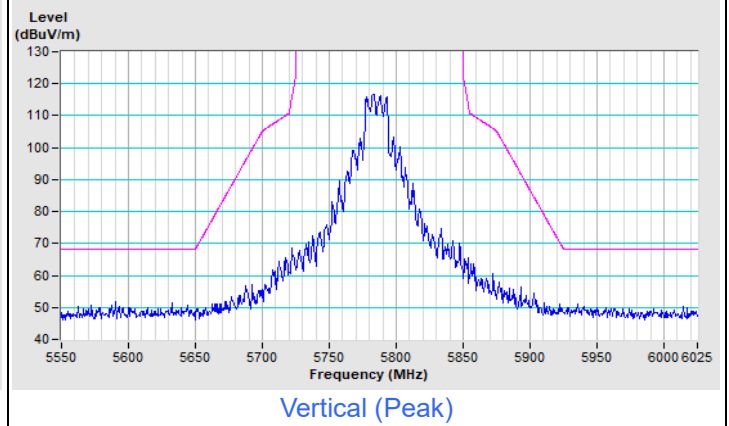
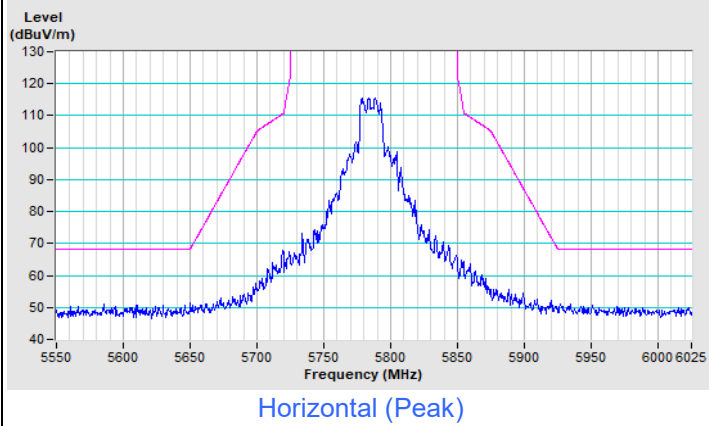


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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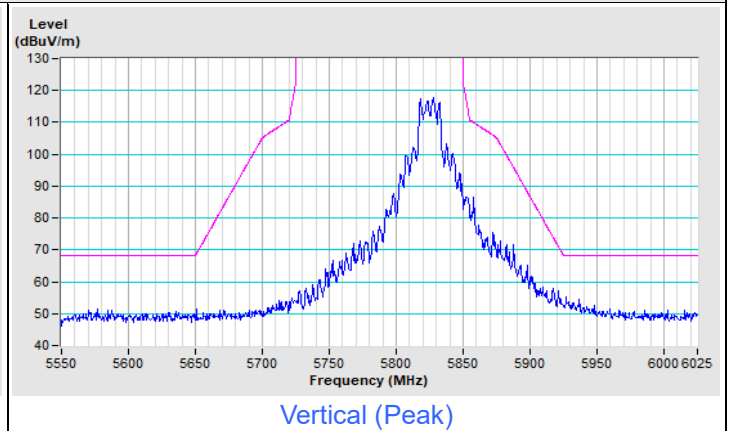
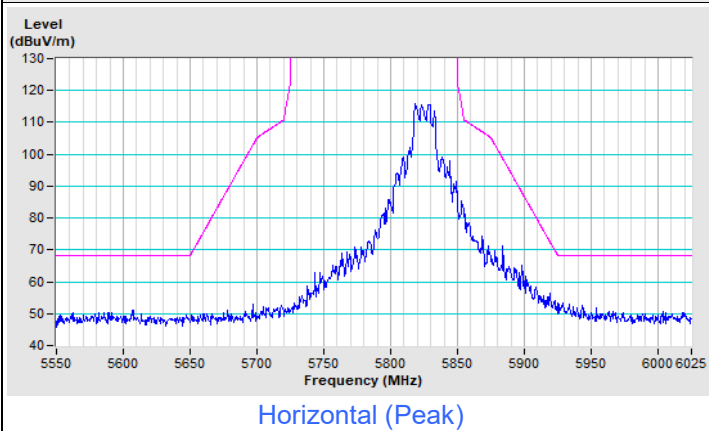
802.11a Channel 149



802.11a Channel 157

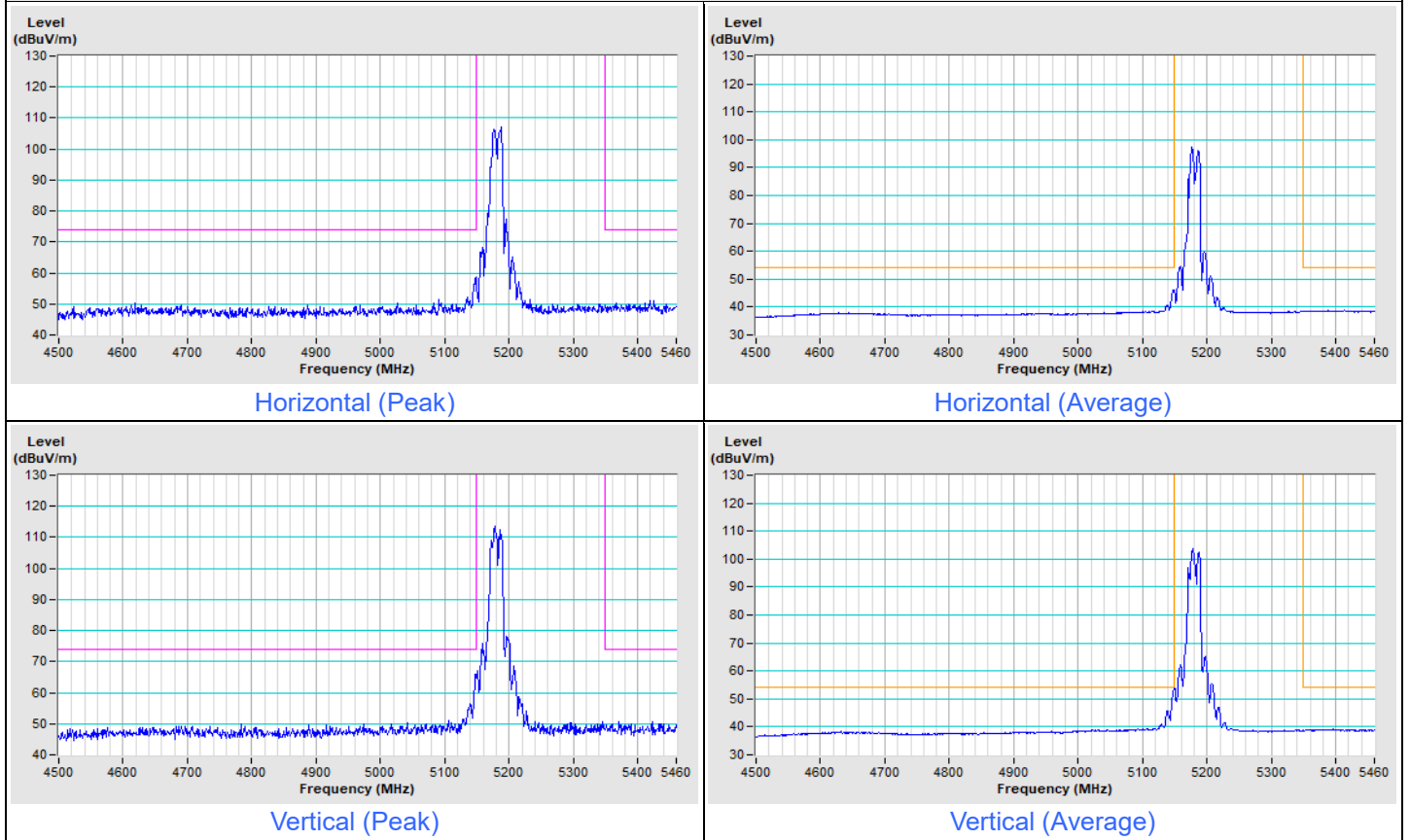


802.11a Channel 165

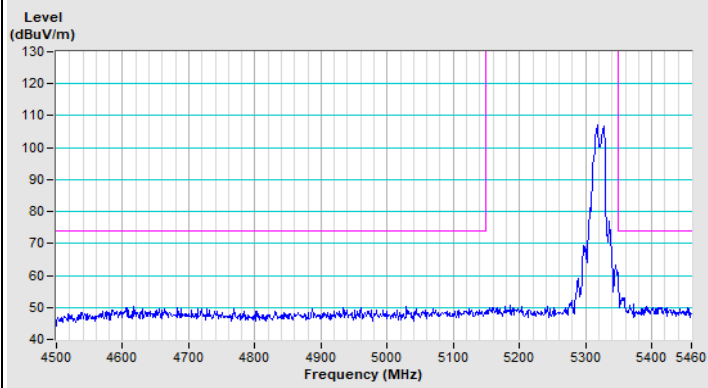


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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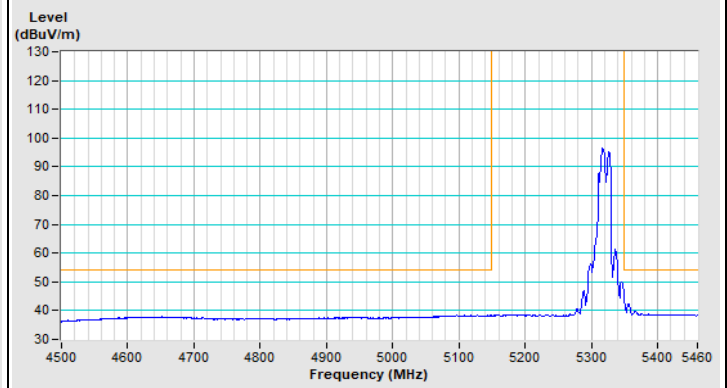
802.11ax (HE20) Channel 36



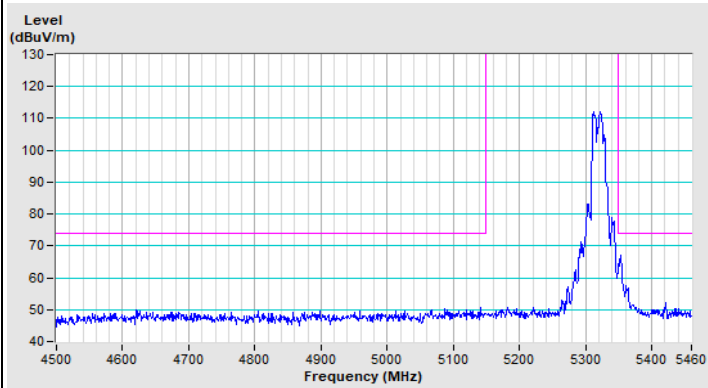
802.11ax (HE20) Channel 64



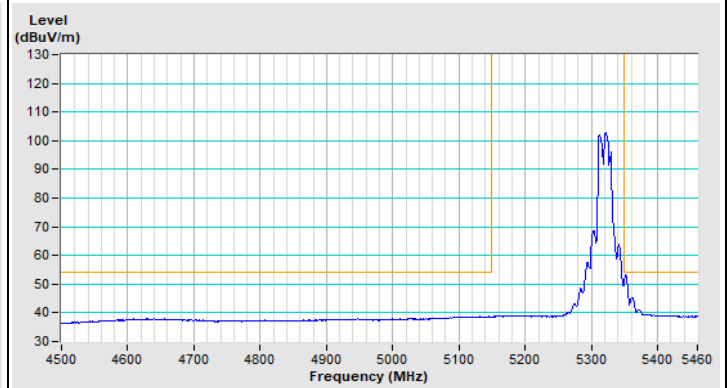
Horizontal (Peak)



Horizontal (Average)



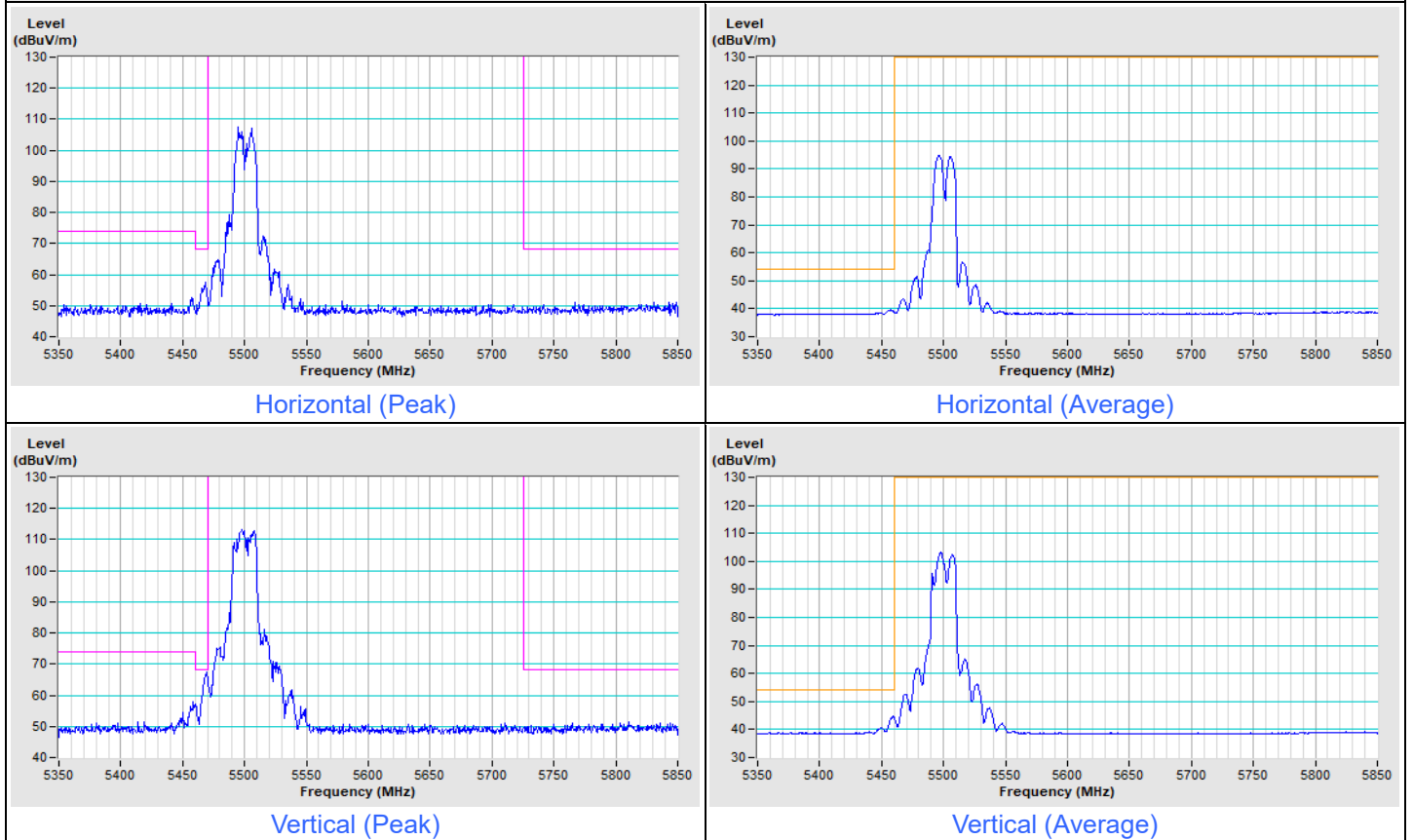
Vertical (Peak)



Vertical (Average)

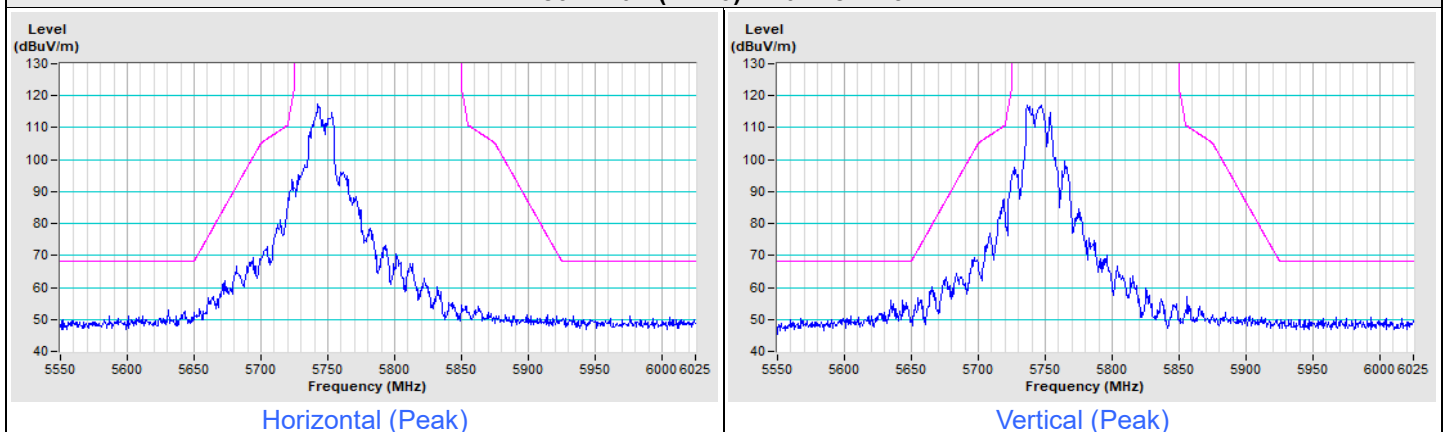
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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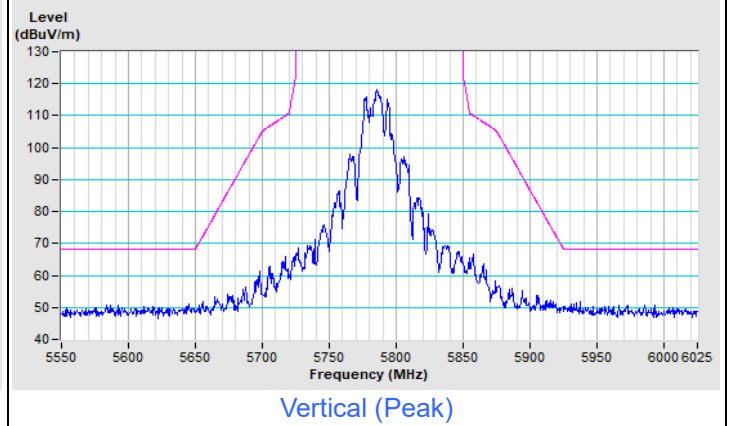
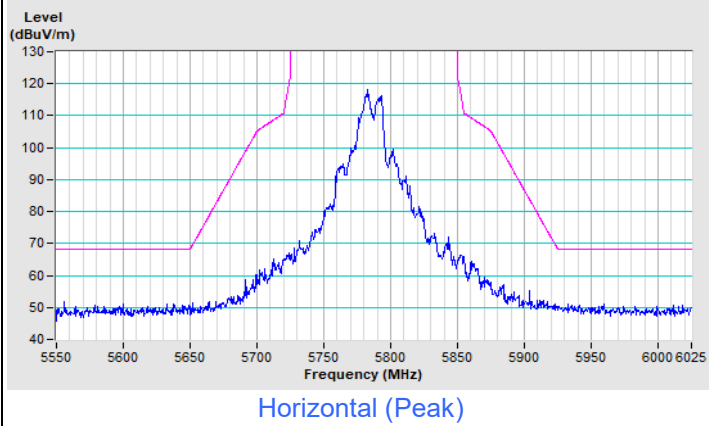
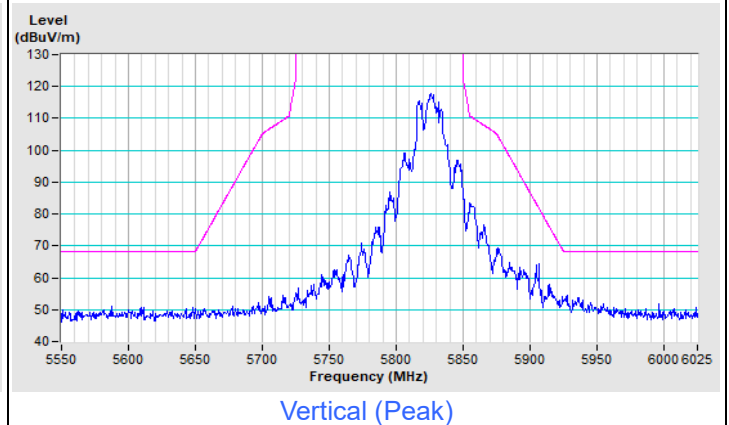
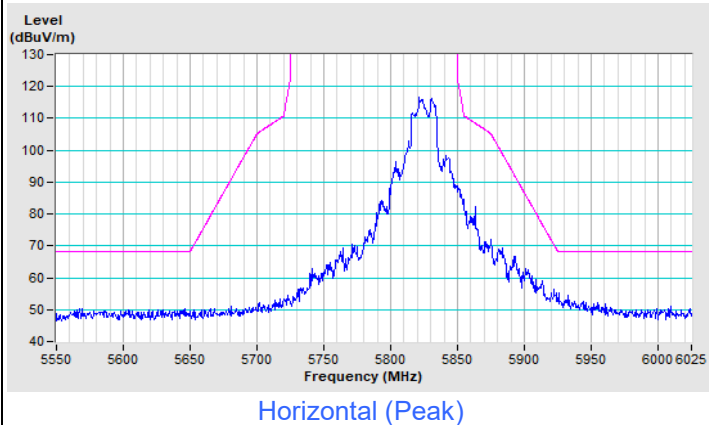
802.11ax (HE20) Channel 100



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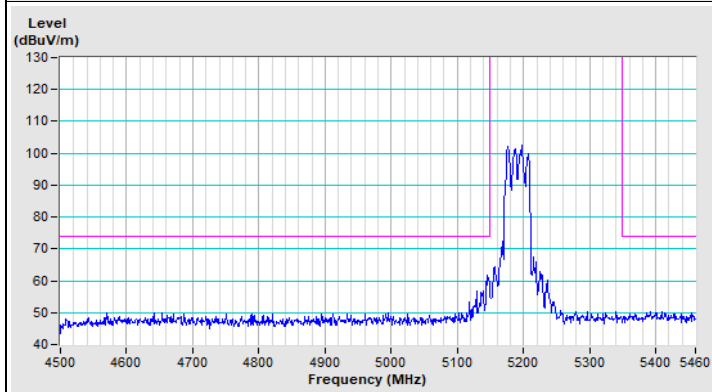
802.11ax (HE20) Channel 149



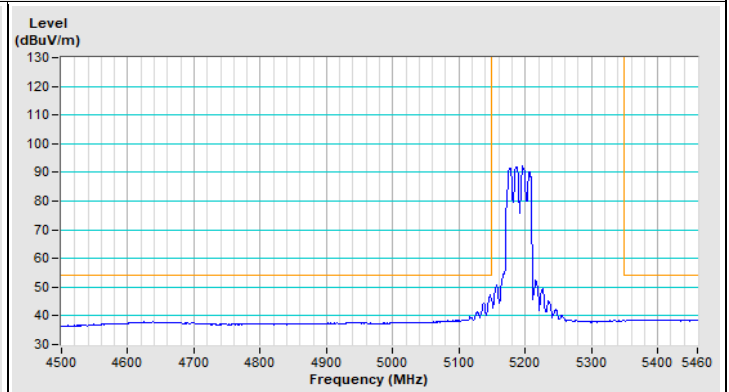
802.11ax (HE20) Channel 157**802.11ax (HE20) Channel 165**

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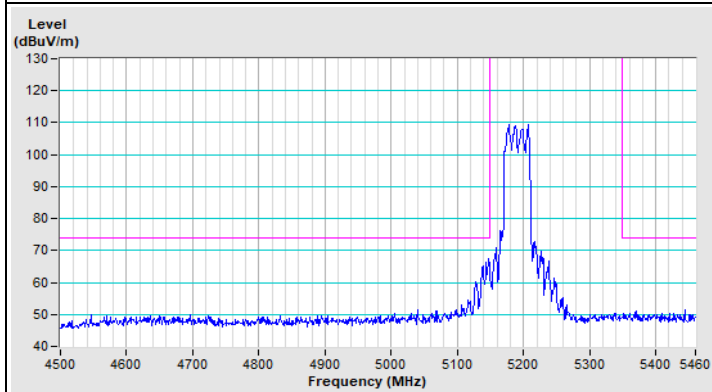
802.11ax (HE40) Channel 38



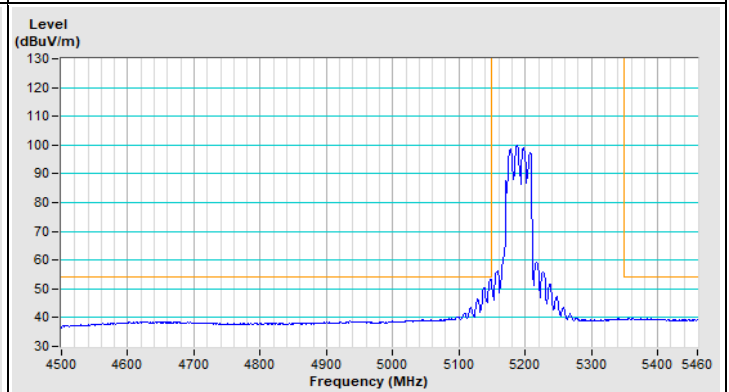
Horizontal (Peak)



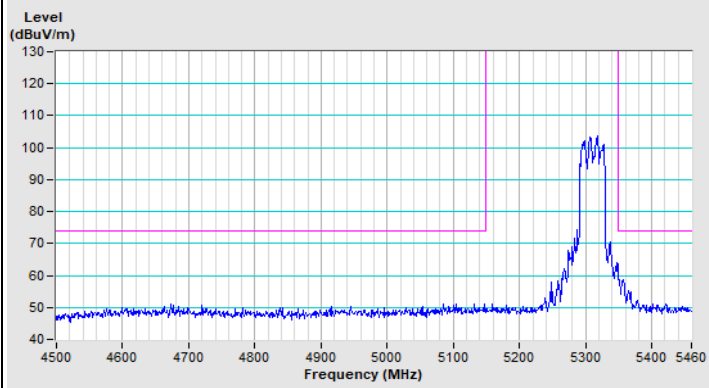
Horizontal (Average)



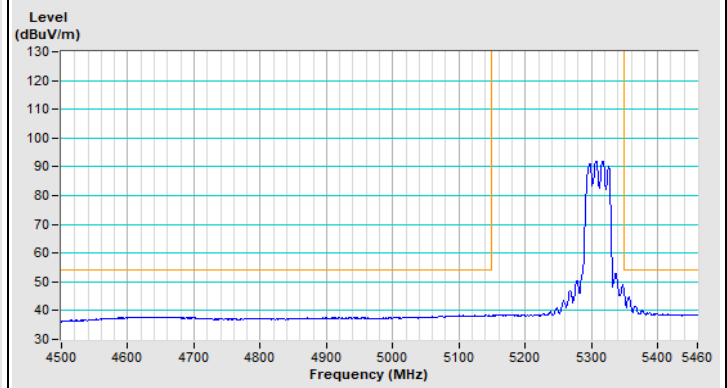
Vertical (Peak)



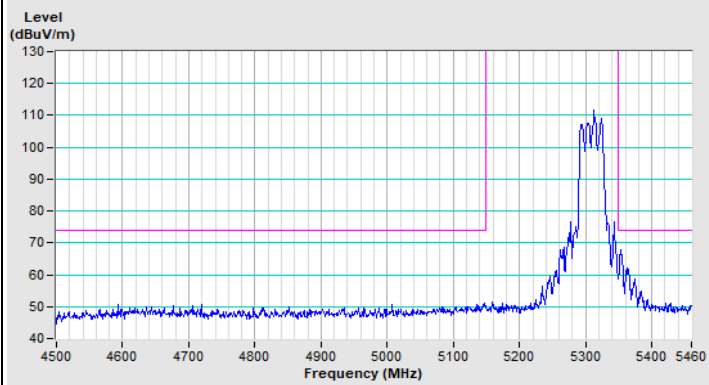
Vertical (Average)

802.11ax (HE40) Channel 62

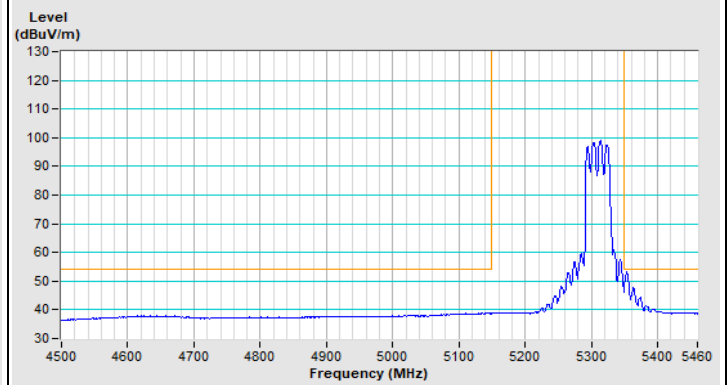
Horizontal (Peak)



Horizontal (Average)



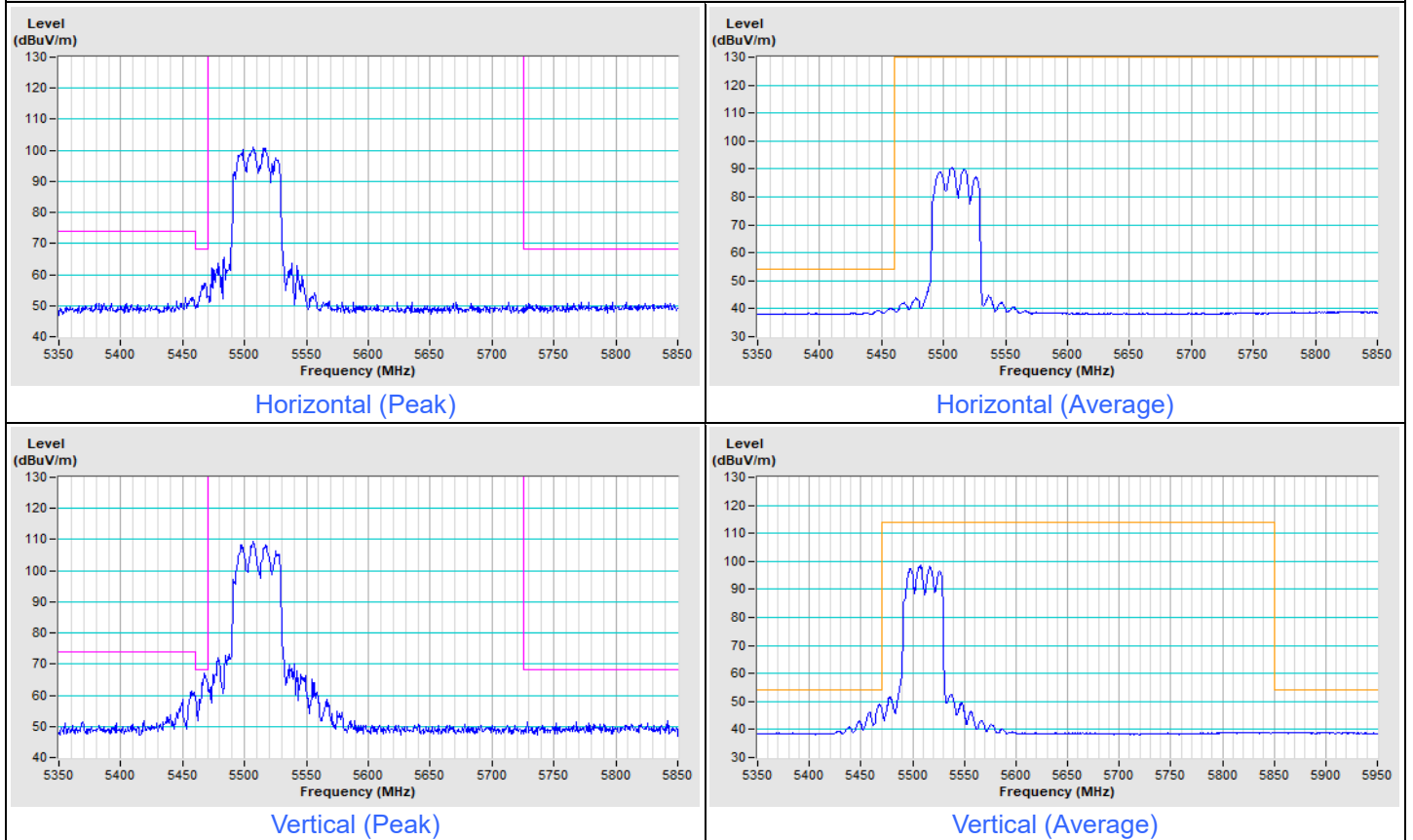
Vertical (Peak)



Vertical (Average)

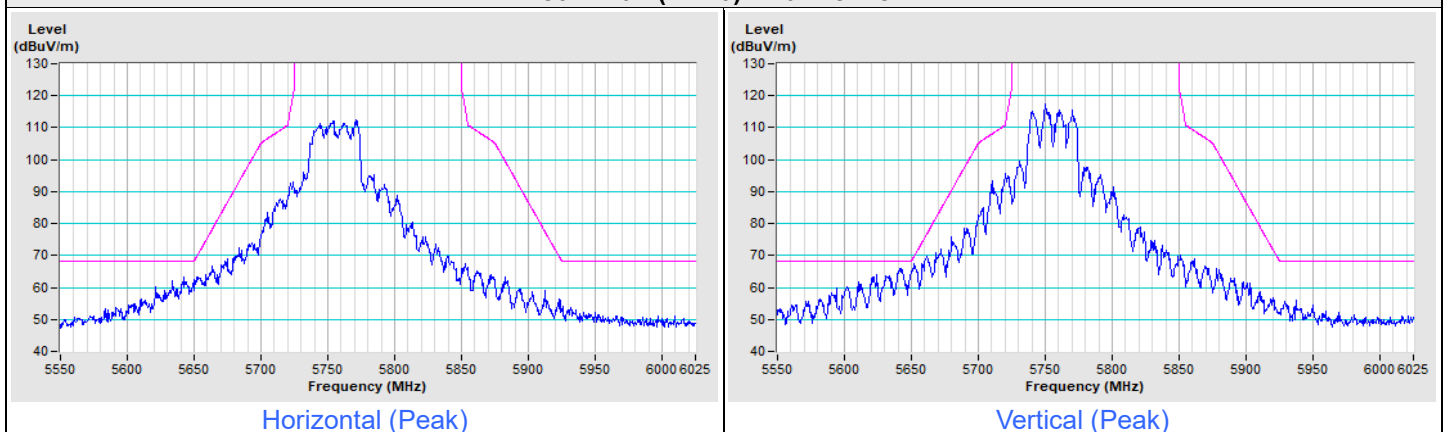
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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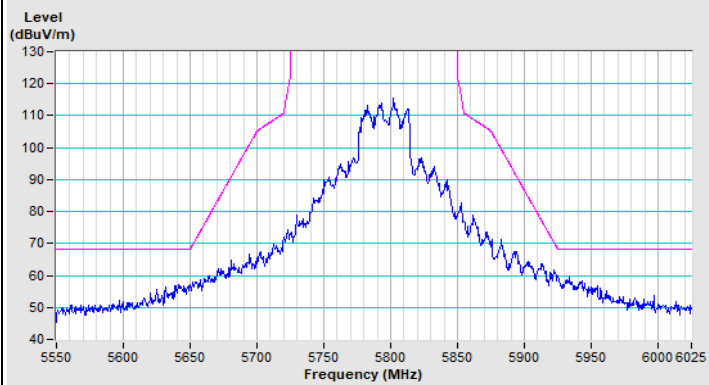
802.11ax (HE40) Channel 102



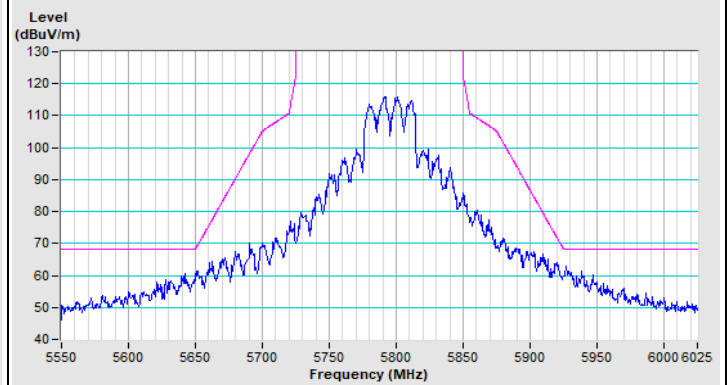
Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151



802.11ax (HE40) Channel 159

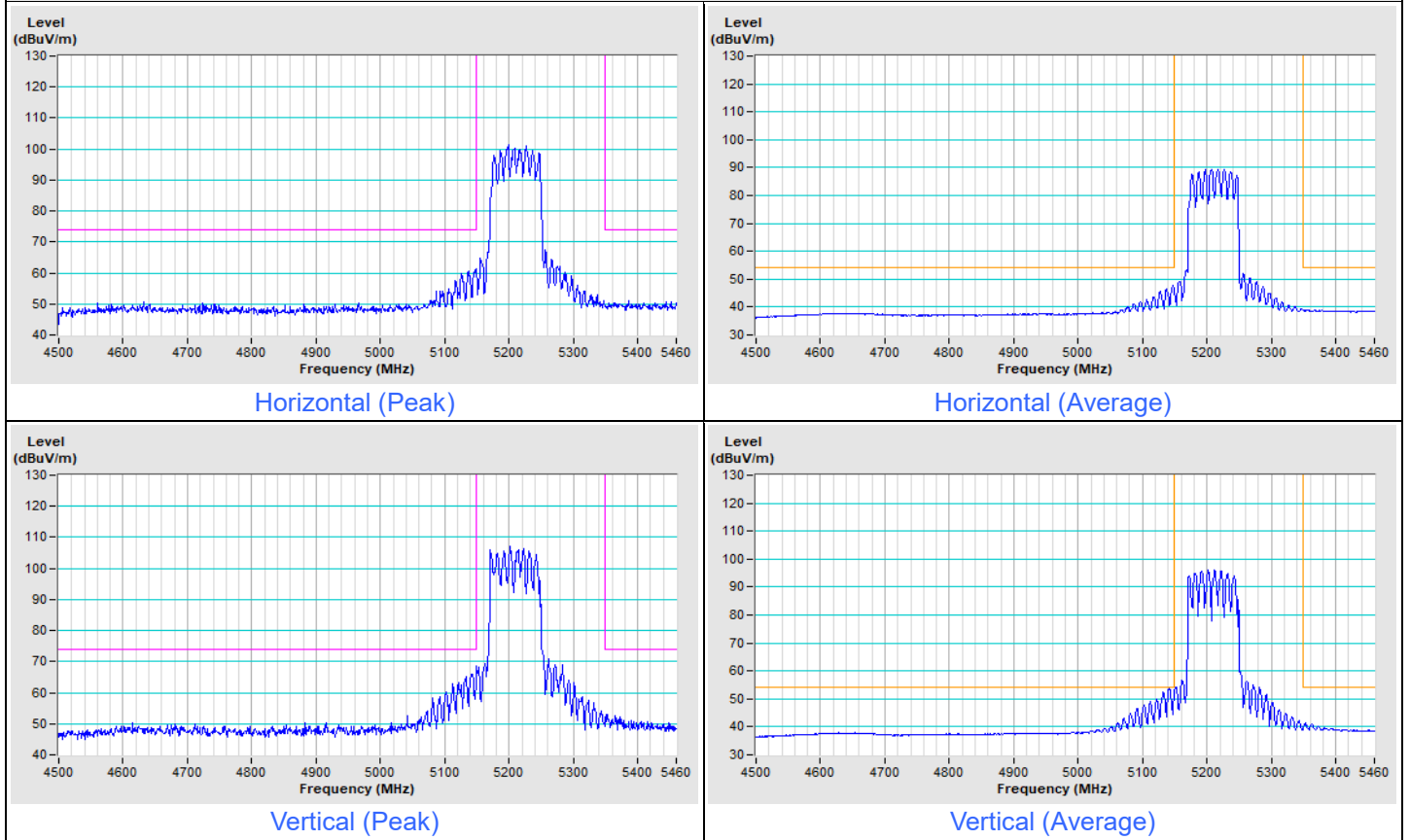
Horizontal (Peak)



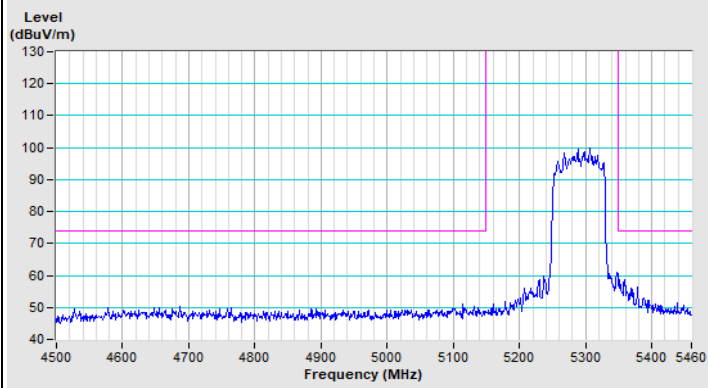
Vertical (Peak)

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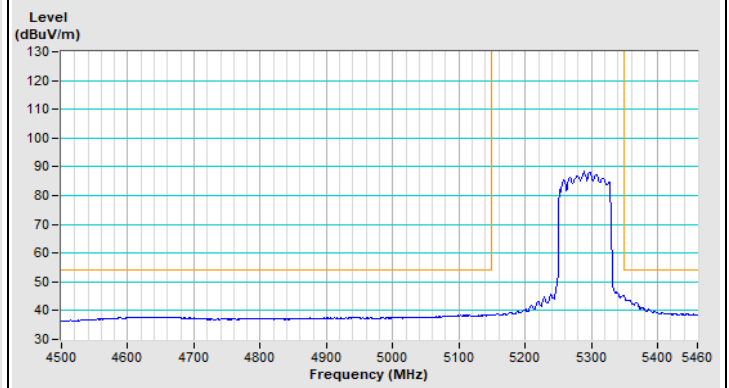
802.11ax (HE80) Channel 42



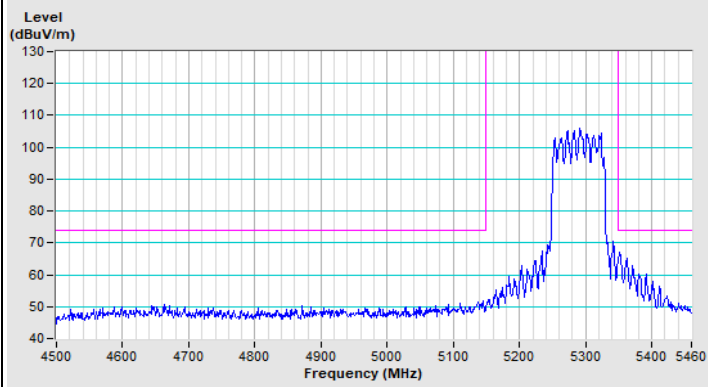
802.11ax (HE80) Channel 58



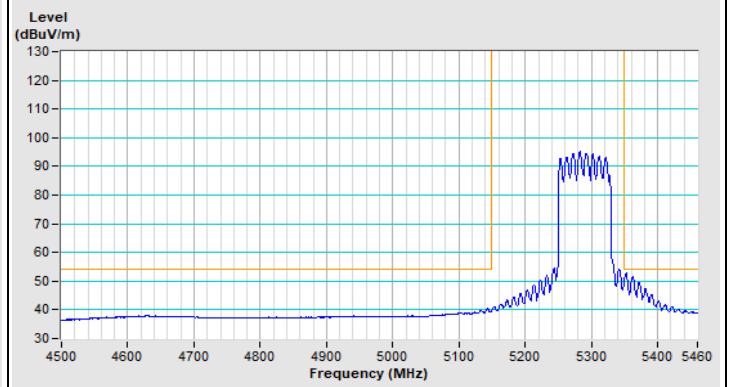
Horizontal (Peak)



Horizontal (Average)



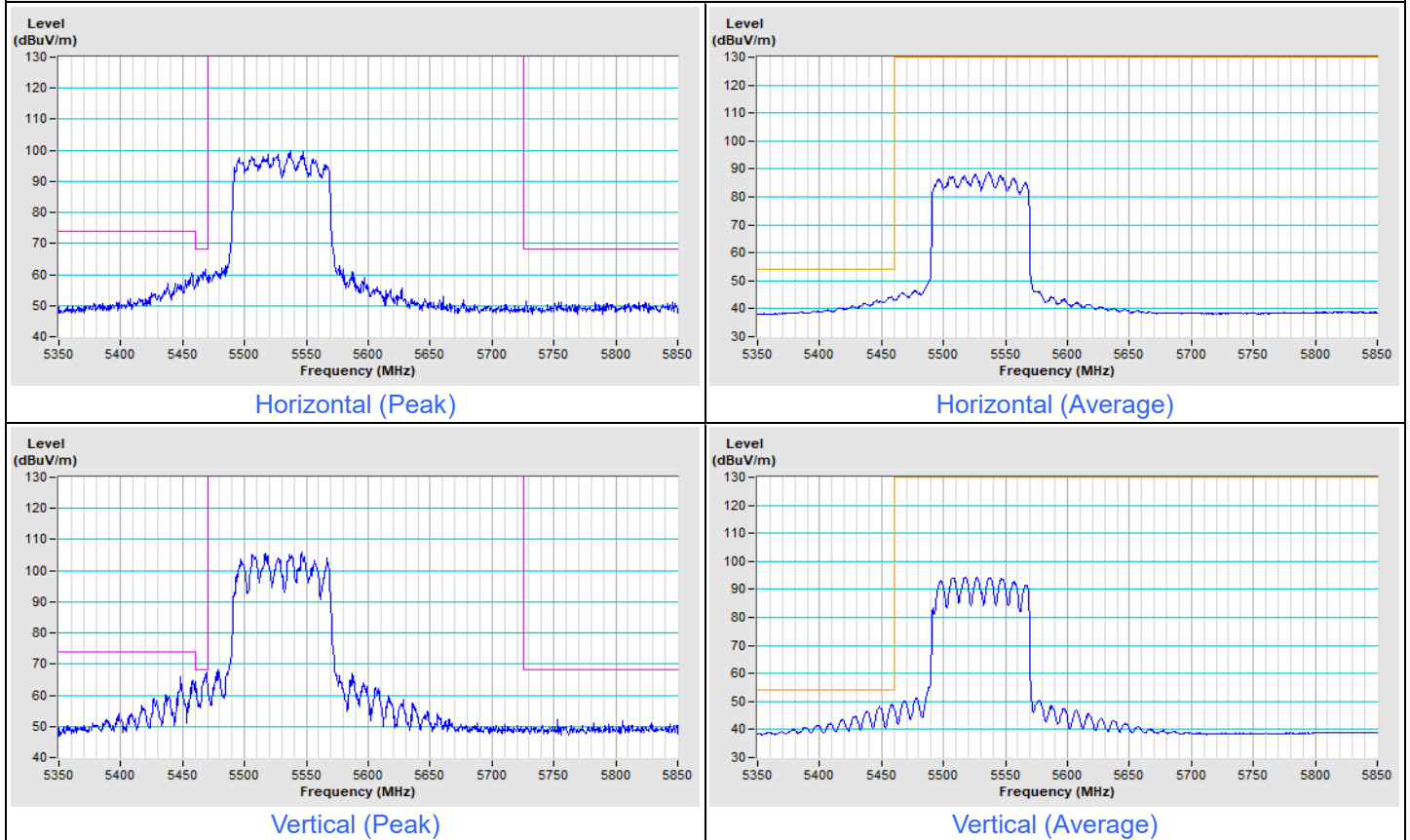
Vertical (Peak)



Vertical (Average)

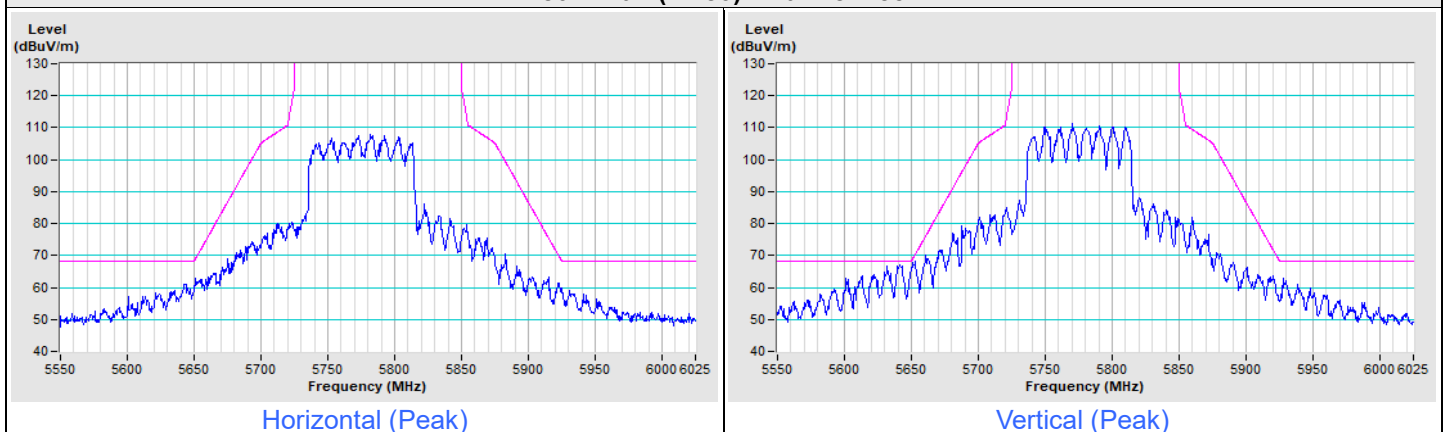
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=200 Hz, DET=Peak
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802.11ax (HE80) Channel 106



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



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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Email: service.adt@bureauveritas.com

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

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

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