

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBAMQ-WTW-P24050205-4
FCC ID: UXX-S5A435A
Product: Ruggedized 5G Router
Brand: Ericsson
Model No.: S5A435A
Received Date: 2024/5/9
Test Date: 2024/5/21 ~ 2024/6/27
Issued Date: 2024/7/29

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FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____



May Chen / Manager

, Date: _____

2024/7/29

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Prepared by : Vito Lung / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBAMQ-WTW-P24050205-4	Original release.	2024/7/29

1 Certificate

Product: Ruggedized 5G Router

Brand: Ericsson

Test Model: S5A435A

Sample Status: Engineering sample

Applicant: Ericsson Enterprise Solutions, Inc.

Test Date: 2024/5/21 ~ 2024/6/27

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

Measurement procedure: ANSI C63.10-2013
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -11.75 dB at 0.34531 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.9 dB at 39.11 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 5470.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is R-SMA not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	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
Frequency Stability	-	0.16 ppm
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	Ruggedized 5G Router
Brand	Ericsson
Test Model	S5A435A
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc or 24 Vdc
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 1733.3 Mbps 802.11ax: up to 2401.9 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	CDD Mode: 5.18 GHz ~ 5.25 GHz: 145.632 mW (21.63 dBm) 5.26 GHz ~ 5.32 GHz: 131.703 mW (21.2 dBm) 5.5 GHz ~ 5.72 GHz: 164.663 mW (22.17 dBm) 5.745 GHz ~ 5.825 GHz: 205.972 mW (23.14 dBm) Beamforming Mode: 5.18 GHz ~ 5.25 GHz: 145.632 mW (21.63 dBm) 5.26 GHz ~ 5.32 GHz: 131.703 mW (21.2 dBm) 5.5 GHz ~ 5.72 GHz: 125.201 mW (20.89 dBm) 5.745 GHz ~ 5.825 GHz: 199.437 mW (23 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Item	Brand	SKU	length
DC cable 4PIN	Cradlepoint	170864-000	3m

2. The EUT has below radios as following table:

Radio 1	Radio 2	Radio 3
WLAN (2.4GHz + 5GHz)	WWAN (5G nR + LTE + WCDMA)	GPS

3. The EUT contains certified WWAN module which FCC ID: RI7FN990A28HP.

4. Simultaneously transmission condition.

Condition	Technology
1	Wi-Fi 2.4GHz + Wi-Fi 5GHz + WWAN (5G nR or LTE or 3G)

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

For WLAN							
Ant Set.	RF Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1	Chain 0 Chain 1	CRADLEPOINT, INC.	CP01	5.74	2.4~2.4835	Monopole	R-SMA
				4.40	5.15~5.25		
				4.63	5.25~5.35		
				5.60	5.47~5.725		
				5.19	5.725~5.85		
2	Chain 0 Chain 1	CRADLEPOINT, INC.	170836-000	2.47	2.4~2.4835	Dipole	R-SMA
				2.18	5.15~5.25		
				2.19	5.25~5.35		
				2.14	5.47~5.725		
				2.47	5.725~5.85		
3	Chain 0 (MIMO 1)	TAOGLAS	MA530.A.CG.003	2.60	2.4~2.4835	Monopole	R-SMA
	Chain 1 (MIMO 2)			0.00	5.15~5.85		
				1.80	2.4~2.4835		
				0.50	5.15~5.85		

For WWAN							
Ant Set.	RF Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
1	Chain 0	TAOGLAS	MA1504_AK_001	-2.70	6.17~6.98	Monopole	SMA
				-2.00	6.98~8.24		
				-0.10	8.24~9.6		
				1.50	1.427~1.518		
				2.70	1.71~1.88		
				2.50	1.85~1.99		
				3.30	1.92~2.17		
				4.50	2.3~2.69		
				1.30	3.3~5		
				2.30	5.15-5.925		
	Chain 1	TAOGLAS	MA1504_AK_001	-4.00	6.17~6.98	Monopole	SMA
				-1.60	6.98~8.24		
				1.20	8.24~9.60		
				2.10	1.427~1.518		
				2.40	1.71~1.88		
				2.90	1.85~1.99		
				1.60	1.92~2.17		
				1.50	2.3~2.69		
				1.00	3.3~5		
				2.00	5.15-5.925		
	Chain 2	TAOGLAS	MA1504_AK_001	-3.80	6.17~6.98	Monopole	SMA
				-3.50	6.98~8.24		
				-0.60	8.24~9.6		
				2.30	1.427~1.518		
				2.30	1.71~1.88		
				1.70	1.85~1.99		
				2.70	1.92~2.17		
				4.10	2.3~2.69		
				1.60	3.3~5		
				2.30	5.15~5.925		
	Chain 3	TAOGLAS	MA1504_AK_001	-3.60	6.17~6.98	Monopole	SMA
				-2.30	6.98~8.24		
				1.80	8.24~9.6		
				1.10	1.427~1.518		
				2.60	1.71~1.88		
				2.90	1.85~1.99		
				2.10	1.92~2.17		
				1.80	2.3~2.69		
				-0.20	3.3~5		
				2.40	5.15~5.925		

For WWAN							
Ant Set.	RF Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (GHz)	Antenna Type	Connector Type
2	Chain 0	CRADLEPOINT, INC.	170801-000	1.42	6.19~7.9	Dipole	SMA
	Chain 1			0.88	1.445~1.515		
	Chain 2			2.69	1.71~2.7		
	Chain 3			4.13	3.4~3.7		
				4.29	5.15~5.925		
For GPS							
1	GPS	Taoglas	AA.162	30	1.562~1.612	Dipole	SMA

* 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 manufacturer will control the power for 802.11n/ac mode is same as the 802.11ax mode or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The Power Supply has the following models: DC Cable (170864-000) / Adapter (KSA-36W-120300D5) / Adapter (WA-36N12R). Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2. EUT's Antenna (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. 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. Power Supply Worst Condition: Adapter (WA-36N12R) 2. X-axis/ Y-axis/ Z-axis Worst Condition: Mode A: Monopole Antenna ->Y-Axis; Mode B: EUT->X-Axis

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	-	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11ax (HE80)	CDD	58, 106, 122, 138	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	-	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
Power Spectral Density	-	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	-	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	-	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
Frequency Stability	-	802.11a	-	36	unmodulated	-
AC Power Conducted Emissions	A	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A, B	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	A, B	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
EUT Configure Mode:	A	Antenna model: CP01				
	B	Antenna model: 170836-000				
Note: Partial RU (resource unit) mechanism is not supported.						

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = $0.432 \text{ ms} / 0.449 \text{ ms} \times 100\% = 96.2\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.17 \text{ dB}$

802.11n (HT20): Duty cycle = $1.783 \text{ ms} / 1.8 \text{ ms} \times 100\% = 99.1\%$

802.11n (HT40): Duty cycle = $1.923 \text{ ms} / 1.939 \text{ ms} \times 100\% = 99.2\%$

802.11ac (VHT20): Duty cycle = $1.783 \text{ ms} / 1.8 \text{ ms} \times 100\% = 99.1\%$

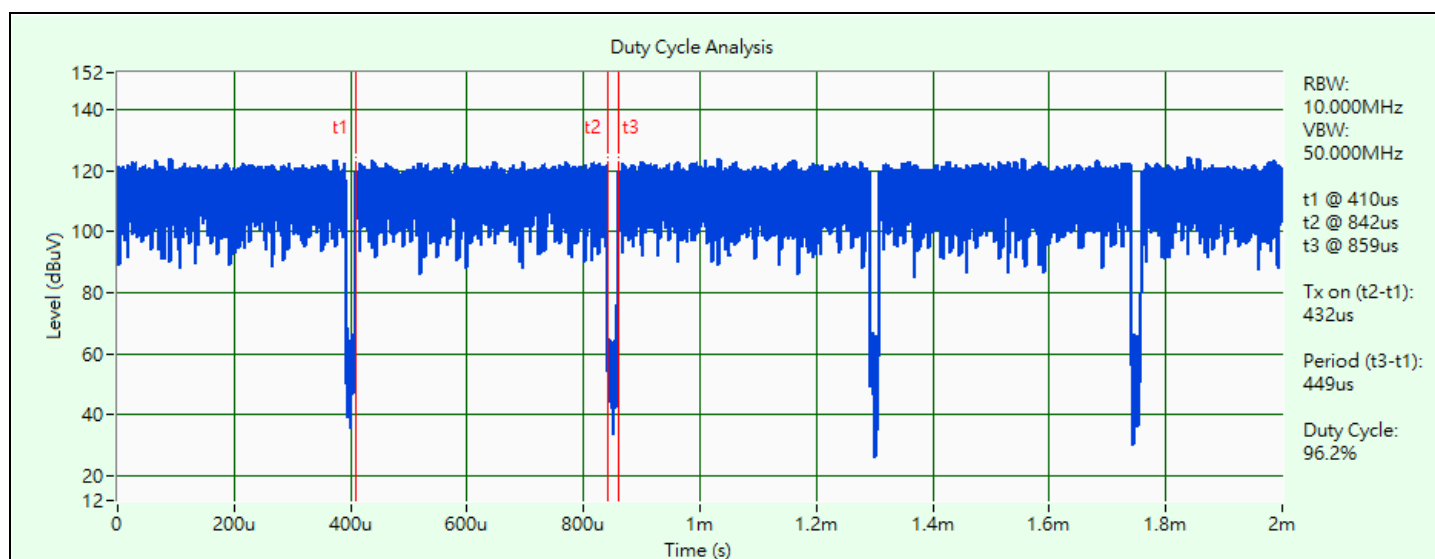
802.11ac (VHT40): Duty cycle = $1.923 \text{ ms} / 1.939 \text{ ms} \times 100\% = 99.2\%$

802.11ac (VHT80): Duty cycle = $1.977 \text{ ms} / 1.993 \text{ ms} \times 100\% = 99.2\%$

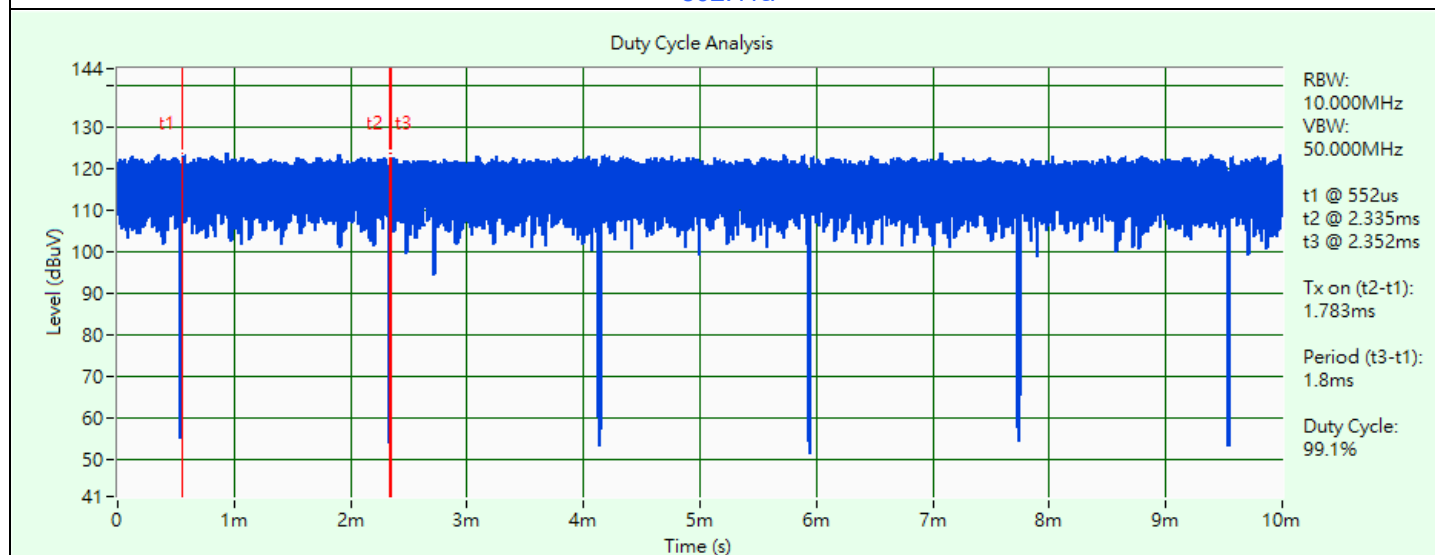
802.11ax (HE20): Duty cycle = $1.783 \text{ ms} / 1.8 \text{ ms} \times 100\% = 99.1\%$

802.11ax (HE40): Duty cycle = $1.923 \text{ ms} / 1.939 \text{ ms} \times 100\% = 99.2\%$

802.11ax (HE80): Duty cycle = $1.977 \text{ ms} / 1.993 \text{ ms} \times 100\% = 99.2\%$

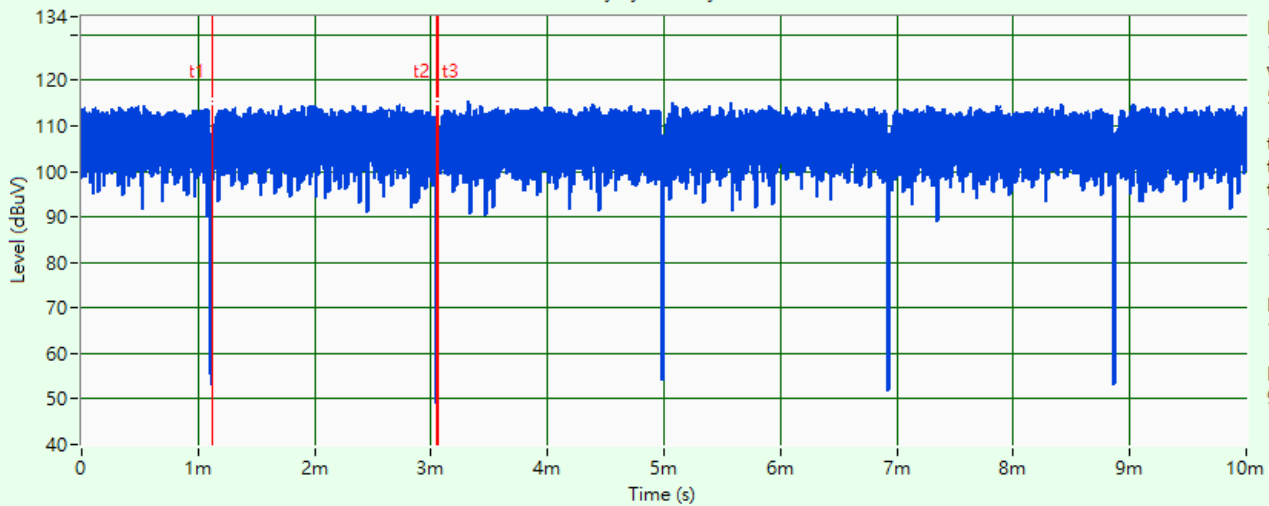


802.11a



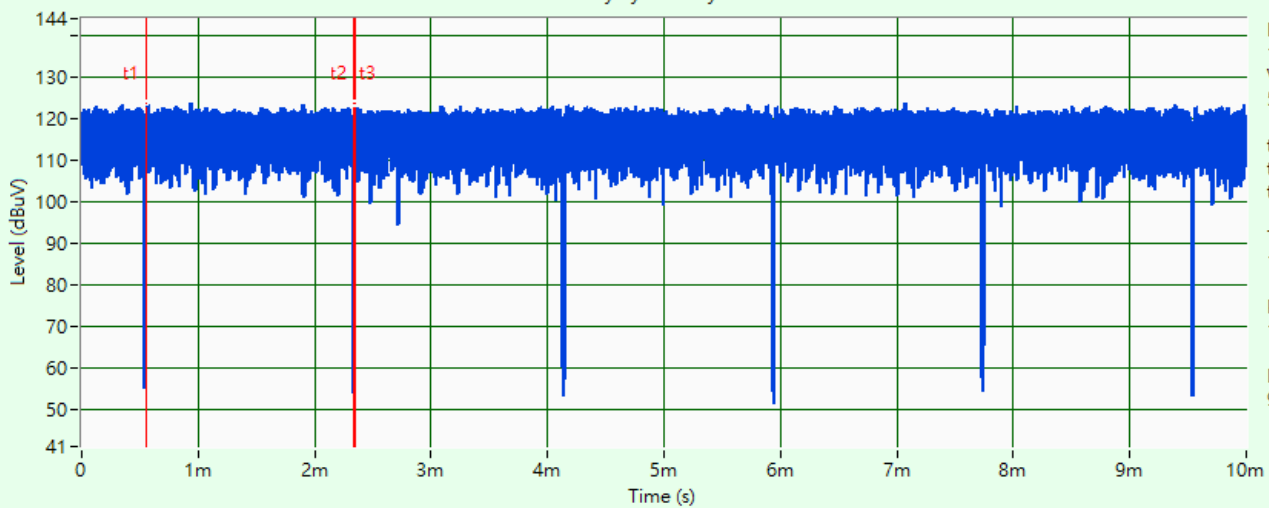
802.11n (HT20)

Duty Cycle Analysis



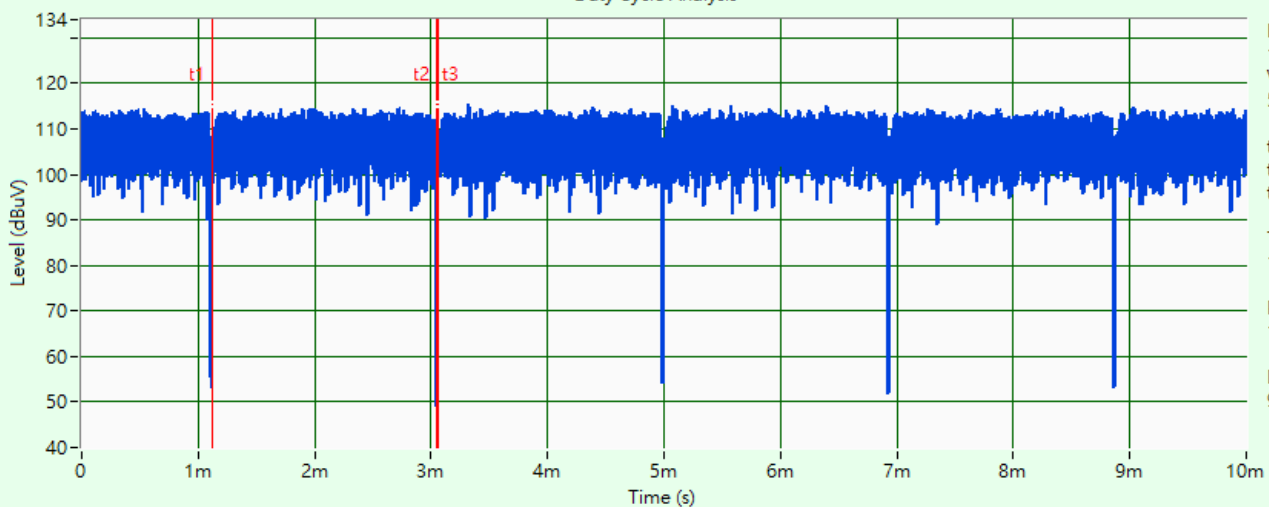
802.11n (HT40)

Duty Cycle Analysis



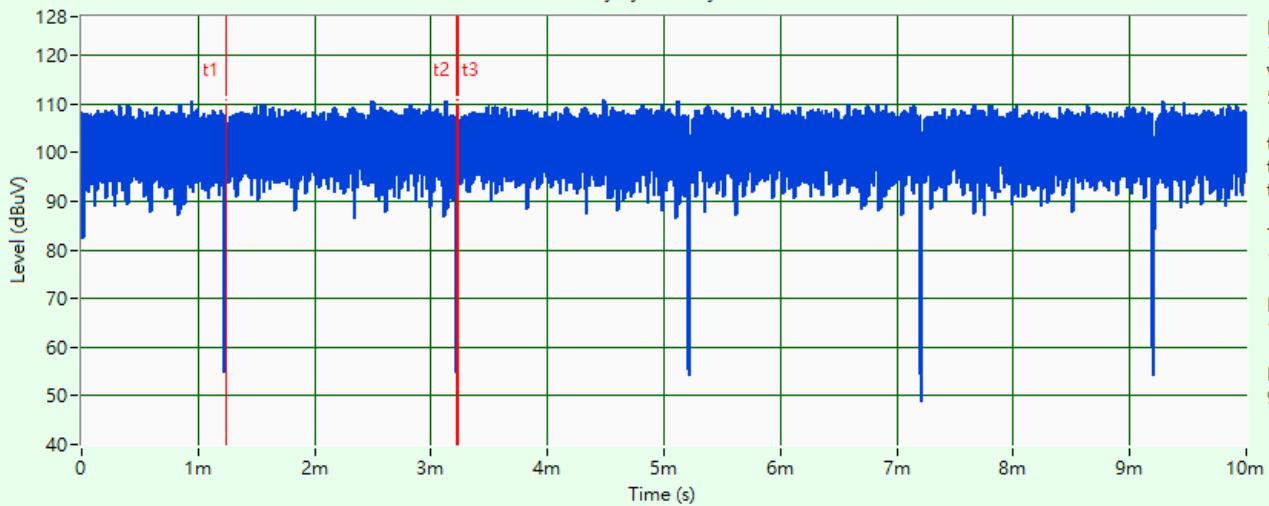
802.11ac (VHT20)

Duty Cycle Analysis



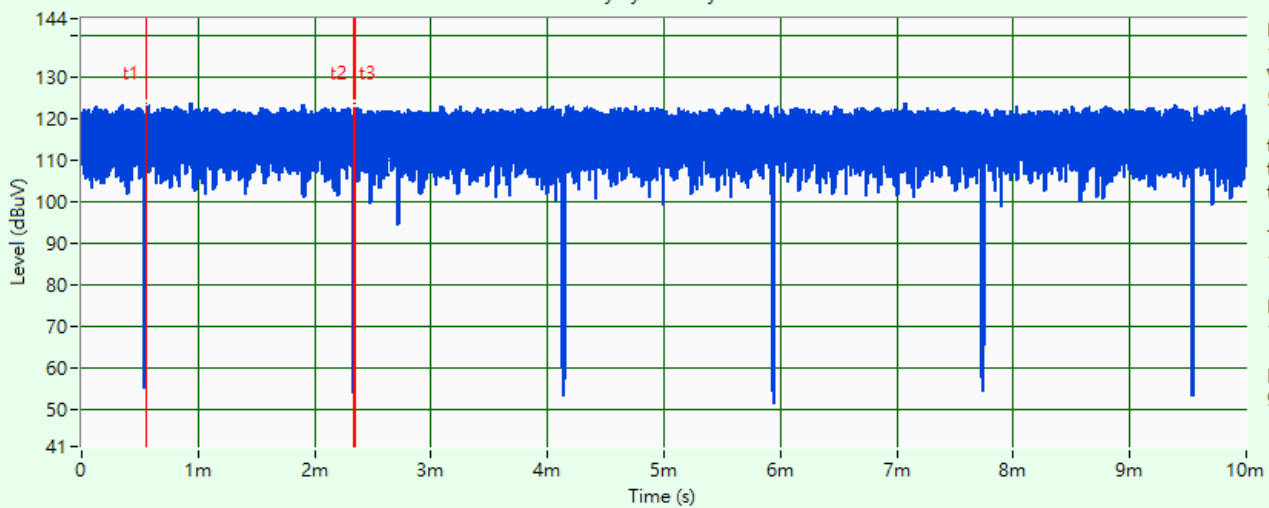
802.11ac (VHT40)

Duty Cycle Analysis



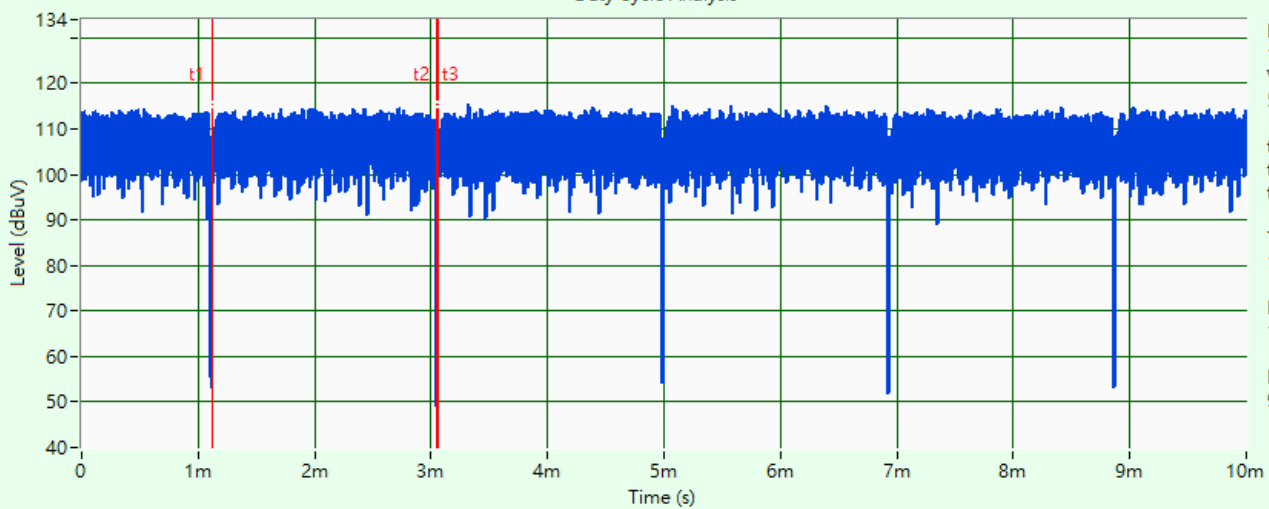
802.11ac (VHT80)

Duty Cycle Analysis

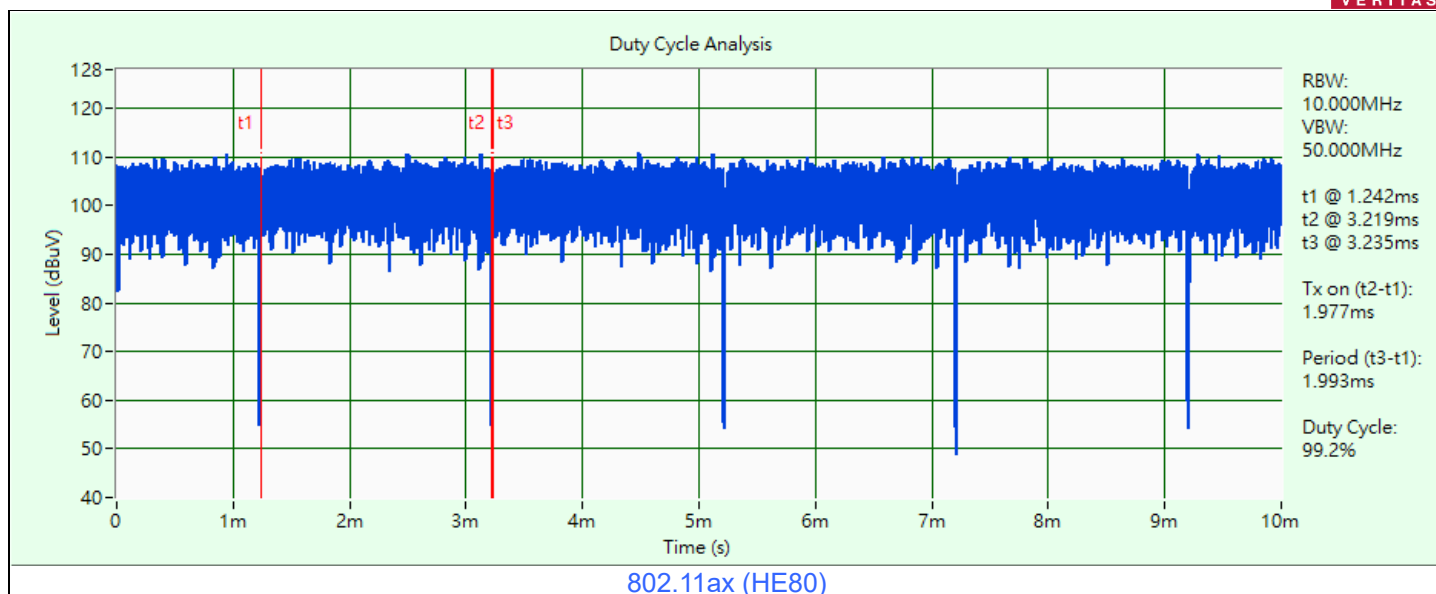


802.11ax (HE20)

Duty Cycle Analysis



802.11ax (HE40)



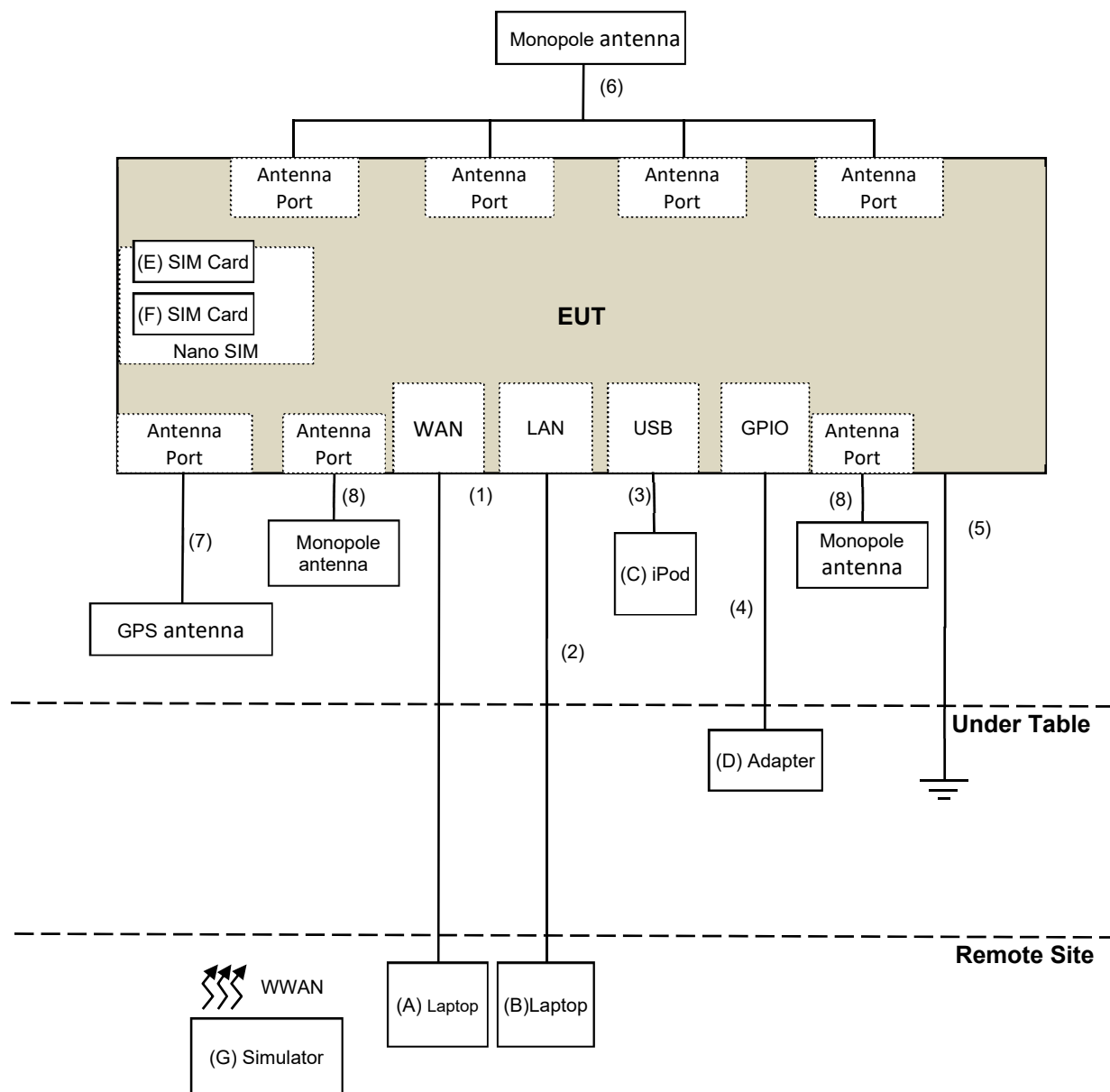
3.6 Test Program Used and Operation Descriptions

Controlling software (qdart_conn.win.1.0_installer_00089.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

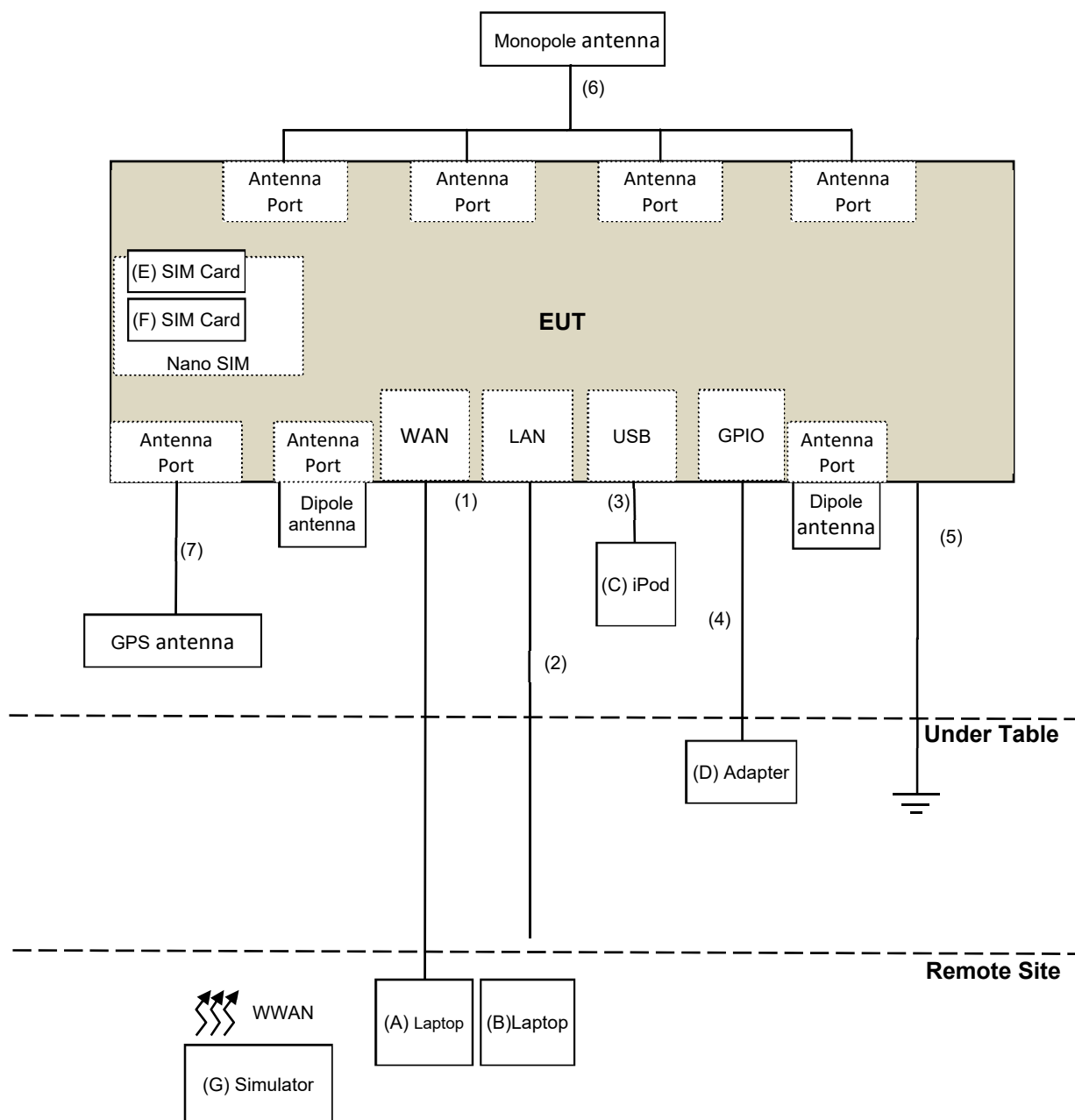
3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emissions test:

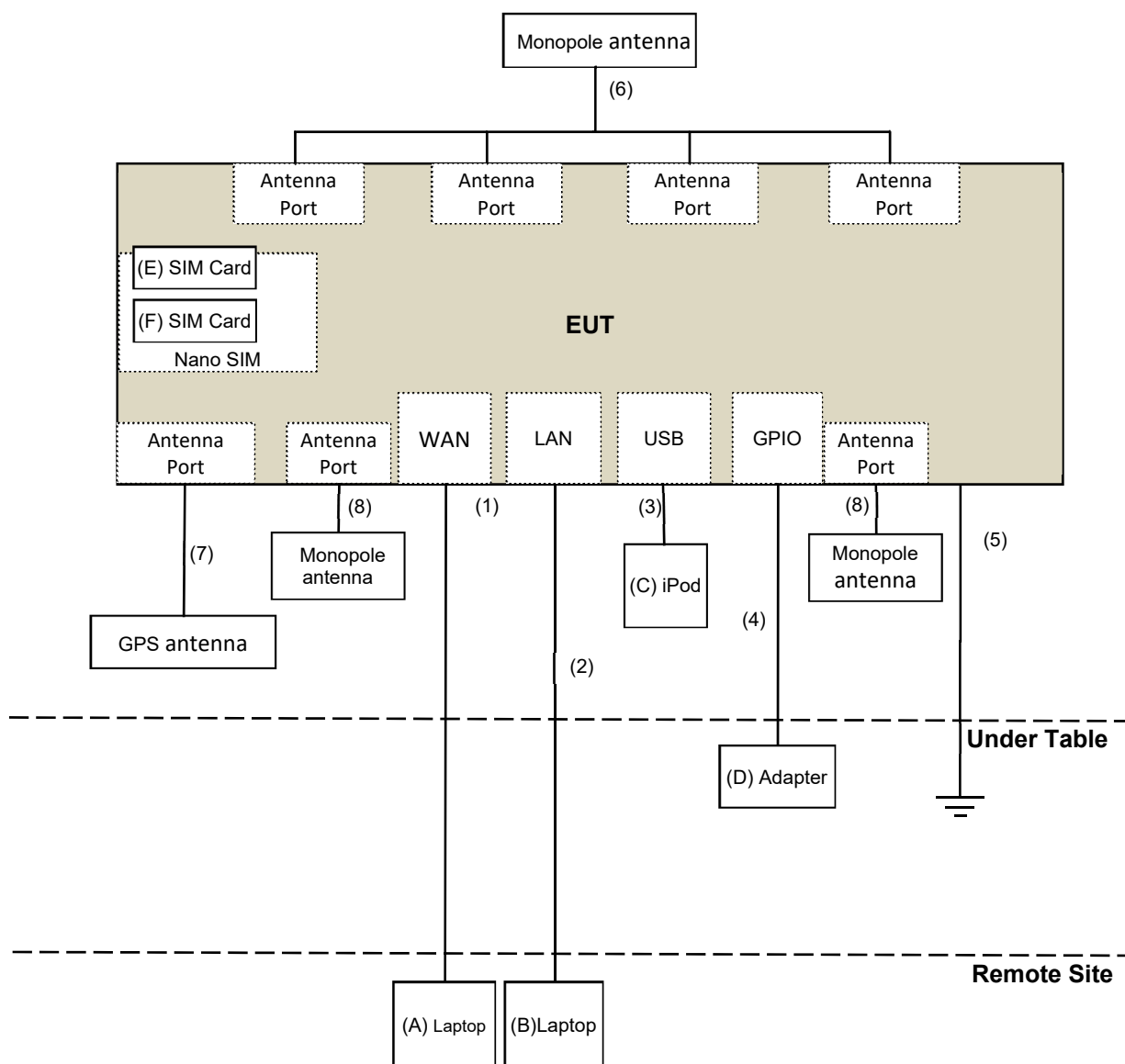
Mode A



Mode B



**For AC Power Conducted Emission Test:
Mode A**



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab
B	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
C	iPod	Apple	MC749TA/A	CC4DMFKUDFDM	N/A	Provided by Lab
D	AC Adapter	ADP	WA-36N12R	N/A	N/A	Supplied by applicant
E	SIM Card	Keysight	N/A	N/A	N/A	Provided by Lab
F	SIM Card	Keysight	N/A	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	10	No	0	Provided by Lab
2	RJ-45 Cable	1	10	No	0	Provided by Lab
3	USB Cable	1	0.1	YES	0	Provided by Lab
4	DC Cable	1	1.5	No	0	Supplied by applicant
5	GND Cable	1	1.5	No	0	Provided by Lab
7	RF Cable	1	2.8	YES	0	Supplied by applicant
8	RF Cable	2	1.8	YES	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: 2024/5/31

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	2023/6/19	2024/6/18
RF Power Meter Anritsu	ML2495A	1529002	2023/6/17	2024/6/16
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: 2024/5/31

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 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC Power Supply GOOD WILL INSTRUMENT CO. LTD	GPC-3030D	E847076	N/A	N/A
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
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2023/12/20	2024/12/19
True RMS Clamp Meter FLUKE	325	31130711WS	2023/6/8	2024/6/7

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/5/31

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2023/10/20	2024/10/19
EMI Test Receiver R&S	ESCS 30	847124/029	2023/10/18	2024/10/17
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	2023/10/13	2024/10/12
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2024/2/19	2025/2/18
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2024/5/27

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2023/10/13	2024/10/12
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 Electro-Metrics	EM-6879	264	2024/2/23	2025/2/22
MXE EMI Receiver Keysight	N9038A	MY59050100	2023/6/13 2024/6/19	2024/6/12 2025/6/18
Preamplifier EMCI	EMC330N	980852	2024/2/17	2025/2/16
	EMC001340	980142	2024/2/19	2025/2/18
RF Coaxial Cable JYBAO	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: 2024/5/28 ~ 2024/6/27

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2023/11/12	2024/11/11
	BBHA 9170	9170-739	2023/11/12	2024/11/11
Preamplifier EMCI	EMC12630SE	980384	2024/1/29	2025/1/28
	EMC184045SE	980387	2023/8/9	2024/8/8
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: 2024/5/21 ~ 2024/5/27

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 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

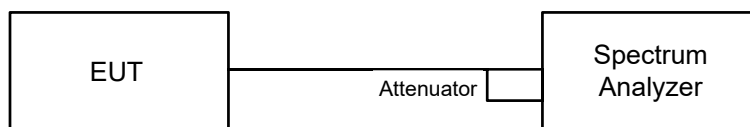
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

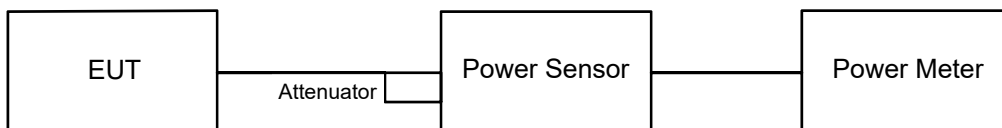


6.1.2 Test Procedure

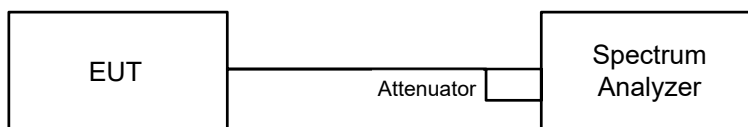
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

- 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.
- Record the max value

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

For channel straddling:

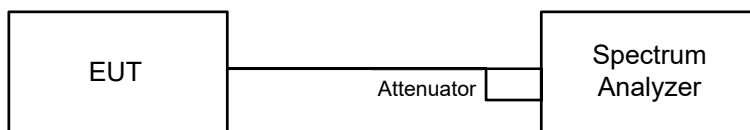
Method SA-2

- 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).

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- 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.
- Record the max value

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 $10 \log (1/\text{duty cycle})$.

For specified measurement bandwidth 500 kHz:

Method SA-1

- 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.
- Record the max value

For specified measurement bandwidth 500 kHz:

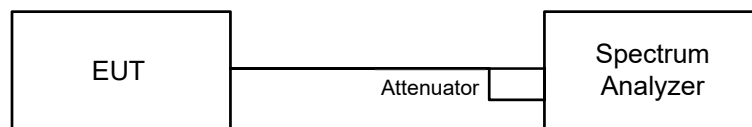
Method SA-2

- 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".

- f. Trace average at least 100 traces in power averaging mode.
- g. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- h. Record the max value and add $10 \log (1/\text{duty cycle})$.

6.4 6 dB Bandwidth

6.4.1 Test Setup

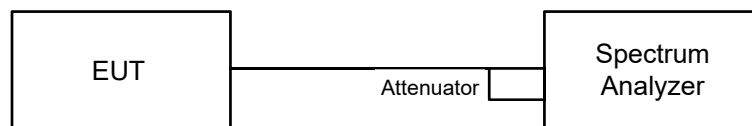


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

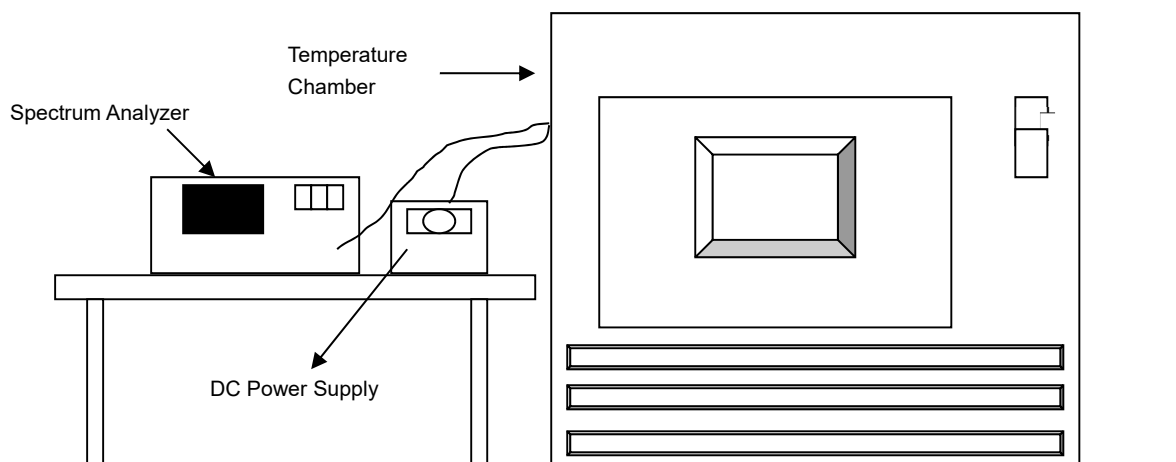


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

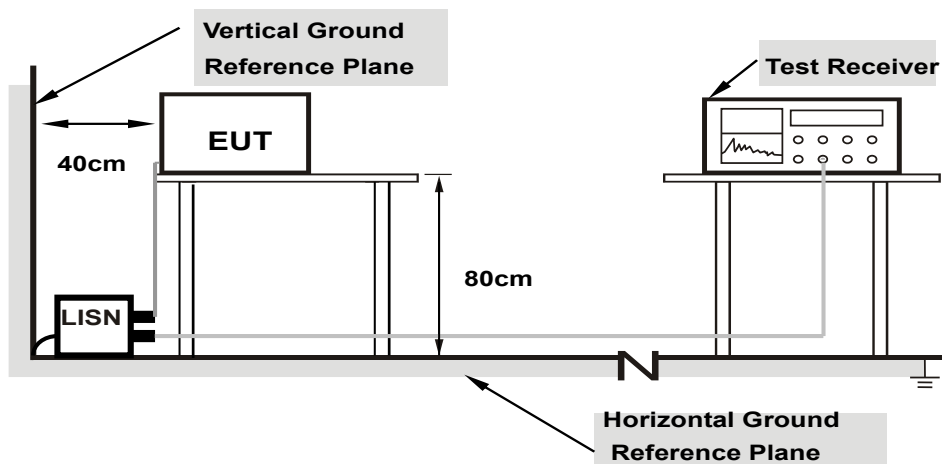


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

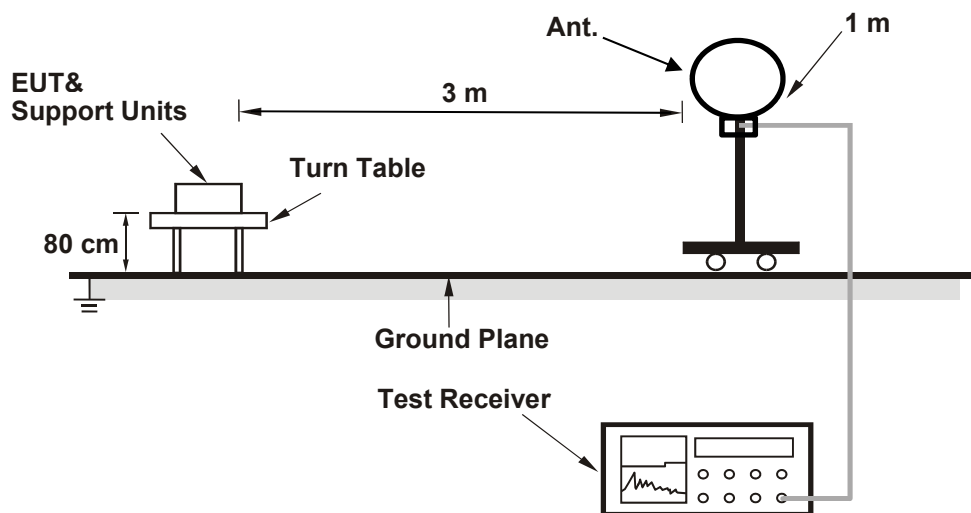
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

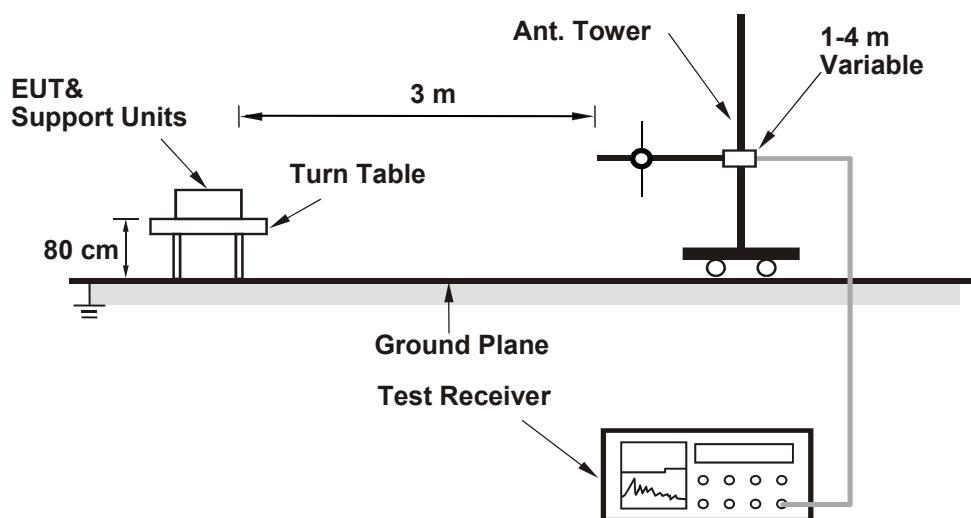
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

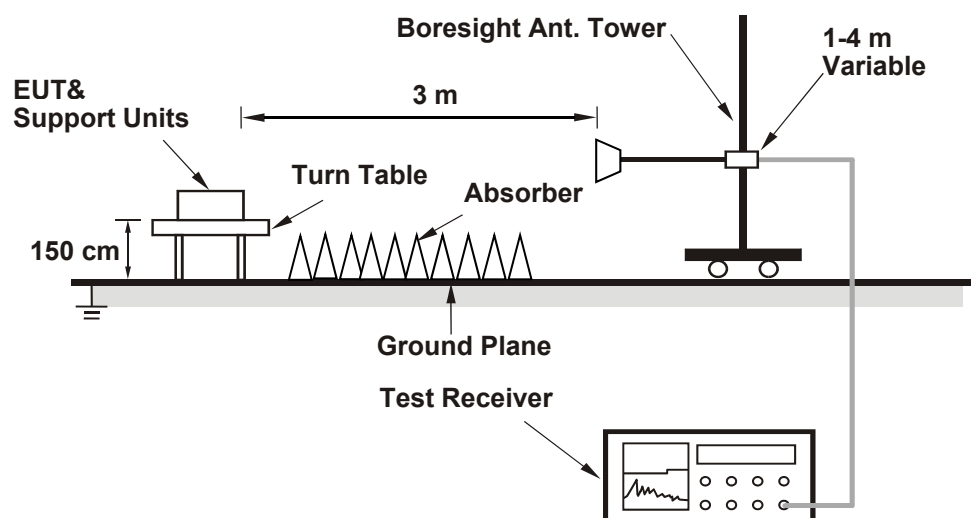
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

- 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:	12 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.18	18.32
60	5300	18.33	18.31
64	5320	18.39	18.22
100	5500	18.90	18.22
116	5580	18.28	18.09
140	5700	18.60	18.96
144 (U-NII-2C)	5720	14.20	14.30
144 (U-NII-3)	5720	4.15	4.11

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	18.18	23.59 < 24
60	5300	18.31	23.62 < 24
64	5320	18.22	23.6 < 24
100	5500	18.22	23.6 < 24
116	5580	18.09	23.57 < 24
140	5700	18.60	23.69 < 24
144 (U-NII-2C)	5720	14.20	22.52 < 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	20.62	20.42
60	5300	20.58	20.47
64	5320	20.82	20.49
100	5500	20.75	20.26
116	5580	20.60	20.48
140	5700	20.45	20.20
144 (U-NII-2C)	5720	15.24	15.27
144 (U-NII-3)	5720	5.24	5.44

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.42	24.1 > 24
60	5300	20.47	24.11 > 24
64	5320	20.49	24.11 > 24
100	5500	20.26	24.06 > 24
116	5580	20.48	24.11 > 24
140	5700	20.20	24.05 > 24
144 (U-NII-2C)	5720	15.24	22.82 < 24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	39.91	40.25
62	5310	40.17	39.94
102	5510	40.24	40.18
110	5550	40.15	40.14
134	5670	39.81	40.43
142 (U-NII-2C)	5710	58.92	54.07
142 (U-NII-3)	5710	31.36	24.85

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.91	27.01 > 24
62	5310	39.94	27.01 > 24
102	5510	40.18	27.04 > 24
110	5550	40.14	27.03 > 24
134	5670	39.81	26.99 > 24
142 (U-NII-2C)	5710	54.07	28.32 > 24

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

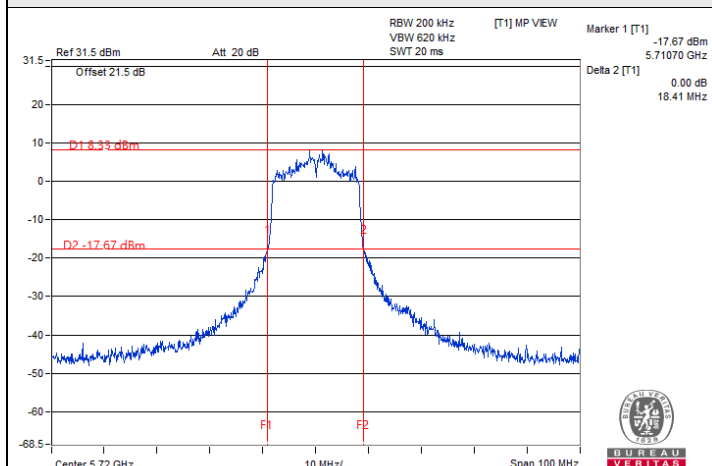
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	80.69	80.73
106	5530	80.86	80.75
122	5610	125.30	81.10
138 (U-NII-2C)	5690	101.36	75.71
138 (U-NII-3)	5690	50.16	5.40

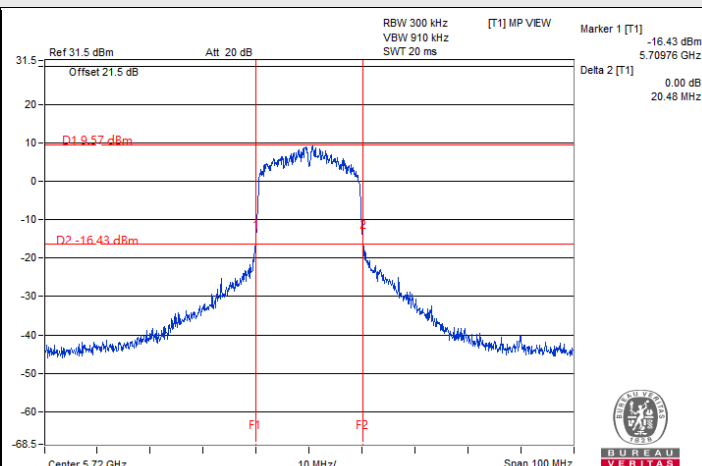
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	80.69	30.06 > 24
106	5530	80.75	30.07 > 24
122	5610	81.10	30.09 > 24
138 (U-NII-2C)	5690	75.71	29.79 > 24

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

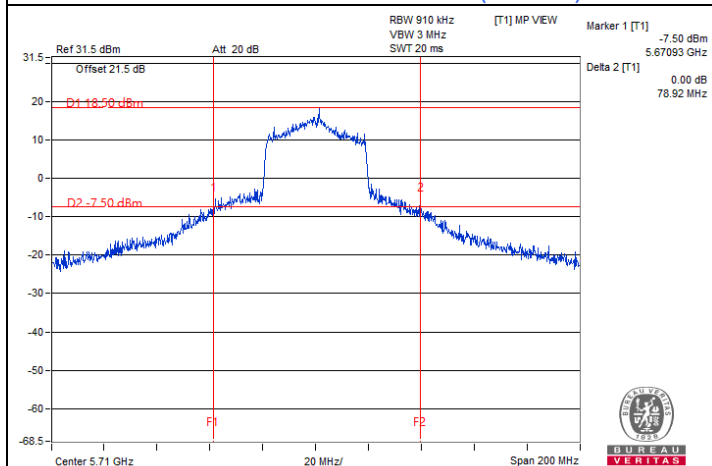
Spectrum Plot of Minimum Value



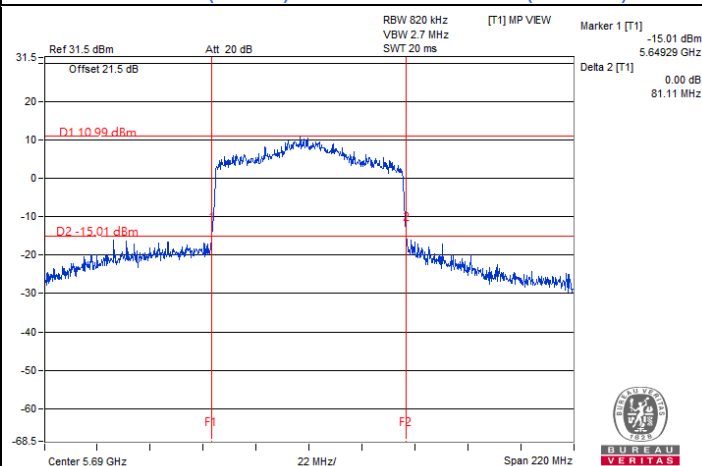
802.11a / Chain 1 : CH 144 (U-NII-3)



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



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



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

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	12 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu
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802.11a CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.78	17.36	102.093	20.09	24	Pass
40	5200	17.31	17.72	112.983	20.53	24	Pass
48	5240	17.52	17.67	114.973	20.61	24	Pass
52	5260	17.04	16.96	100.242	20.01	23.59	Pass
60	5300	17.46	17.23	108.563	20.36	23.62	Pass
64	5320	17.26	17.17	105.33	20.23	23.6	Pass
100	5500	16.25	17.09	93.338	19.70	23.6	Pass
116	5580	15.69	16.66	83.413	19.21	23.57	Pass
140	5700	16.46	16.80	92.122	19.64	23.69	Pass
*144 (U-NII-2C)	5720	15.18	15.80	73.773	18.68	22.52	Pass
*144 (U-NII-3)	5720	6.93	7.65	11.176	10.48	30	Pass
149	5745	19.86	20.38	205.972	23.14	30	Pass
157	5785	19.80	20.32	203.146	23.08	30	Pass
165	5825	19.71	20.19	198.013	22.97	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.78	16.46	82.103	19.14	24	Pass
40	5200	18.03	18.48	134.002	21.27	24	Pass
48	5240	18.17	18.44	135.438	21.32	24	Pass
52	5260	17.66	17.95	120.718	20.82	24	Pass
60	5300	17.95	17.78	122.353	20.88	24	Pass
64	5320	16.57	16.41	89.146	19.50	24	Pass
100	5500	15.95	16.73	86.453	19.37	24	Pass
116	5580	16.41	17.19	96.112	19.83	24	Pass
140	5700	13.07	13.87	44.655	16.50	24	Pass
*144 (U-NII-2C)	5720	15.05	15.36	66.345	18.22	22.82	Pass
*144 (U-NII-3)	5720	7.52	7.81	11.689	10.68	30	Pass
149	5745	19.60	19.64	183.246	22.63	30	Pass
157	5785	19.47	19.93	186.913	22.72	30	Pass
165	5825	19.43	19.37	174.197	22.41	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	9.42	10.01	18.773	12.74	24	Pass
46	5230	16.53	16.70	91.751	19.63	24	Pass
54	5270	16.60	16.46	89.968	19.54	24	Pass
62	5310	11.10	10.66	24.524	13.90	24	Pass
102	5510	10.86	11.68	26.913	14.30	24	Pass
110	5550	17.14	18.14	116.924	20.68	24	Pass
134	5670	14.63	14.94	60.229	17.80	24	Pass
*142 (U-NII-2C)	5710	18.43	18.53	140.948	21.49	24	Pass
*142 (U-NII-3)	5710	5.88	6.07	7.918	8.99	30	Pass
151	5755	17.74	18.77	134.765	21.30	30	Pass
159	5795	19.44	19.39	174.798	22.43	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.96	16.61	85.26	19.31	24	Pass
40	5200	18.14	18.66	138.614	21.42	24	Pass
48	5240	18.36	18.63	141.495	21.51	24	Pass
52	5260	17.86	18.06	125.068	20.97	24	Pass
60	5300	18.07	17.97	126.782	21.03	24	Pass
64	5320	16.69	16.51	91.437	19.61	24	Pass
100	5500	16.13	16.92	90.224	19.55	24	Pass
116	5580	16.54	17.32	99.033	19.96	24	Pass
140	5700	13.20	13.99	45.954	16.62	24	Pass
*144 (U-NII-2C)	5720	15.30	15.79	71.816	18.56	22.82	Pass
*144 (U-NII-3)	5720	7.81	8.28	12.769	11.06	30	Pass
149	5745	19.75	19.79	189.686	22.78	30	Pass
157	5785	19.64	20.04	192.97	22.85	30	Pass
165	5825	19.61	19.49	180.331	22.56	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	9.58	10.16	19.453	12.89	24	Pass
46	5230	16.69	16.81	94.639	19.76	24	Pass
54	5270	16.78	16.62	93.563	19.71	24	Pass
62	5310	11.27	10.78	25.364	14.04	24	Pass
102	5510	11.04	11.80	27.841	14.45	24	Pass
110	5550	17.33	18.27	121.218	20.84	24	Pass
134	5670	14.81	15.12	62.778	17.98	24	Pass
*142 (U-NII-2C)	5710	18.74	19.04	154.985	21.90	24	Pass
*142 (U-NII-3)	5710	6.45	6.37	8.751	9.42	30	Pass
151	5755	17.85	18.88	138.222	21.41	30	Pass
159	5795	19.62	19.51	180.953	22.58	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	7.19	7.77	11.22	10.50	24	Pass
58	5290	9.20	8.99	16.243	12.11	24	Pass
106	5530	9.05	9.80	17.585	12.45	24	Pass
122	5610	15.37	15.93	73.609	18.67	24	Pass
*138 (U-NII-2C)	5690	15.97	16.84	87.843	19.44	24	Pass
*138 (U-NII-3)	5690	-0.98	0.52	1.9252	2.84	30	Pass
155	5775	16.47	17.40	99.315	19.97	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.11	16.81	88.805	19.48	24	Pass
40	5200	18.27	18.85	143.879	21.58	24	Pass
48	5240	18.48	18.76	145.632	21.63	24	Pass
52	5260	18.02	18.21	129.609	21.13	24	Pass
60	5300	18.26	18.11	131.703	21.20	24	Pass
64	5320	16.81	16.64	94.105	19.74	24	Pass
100	5500	16.29	17.11	93.964	19.73	24	Pass
116	5580	16.66	17.51	102.708	20.12	24	Pass
140	5700	13.33	14.14	47.47	16.76	24	Pass
*144 (U-NII-2C)	5720	15.52	16.31	78.401	18.94	22.82	Pass
*144 (U-NII-3)	5720	8.31	8.82	14.397	11.58	30	Pass
149	5745	19.89	19.98	197.04	22.95	30	Pass
157	5785	19.83	20.14	199.437	23.00	30	Pass
165	5825	19.79	19.67	187.963	22.74	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	9.70	10.28	19.999	13.01	24	Pass
46	5230	16.87	16.95	98.186	19.92	24	Pass
54	5270	16.94	16.75	96.746	19.86	24	Pass
62	5310	11.41	10.94	26.252	14.19	24	Pass
102	5510	11.20	11.94	28.814	14.60	24	Pass
110	5550	17.52	18.37	125.201	20.98	24	Pass
134	5670	14.92	15.26	64.619	18.10	24	Pass
*142 (U-NII-2C)	5710	19.08	19.23	164.663	22.17	24	Pass
*142 (U-NII-3)	5710	8.18	7.14	11.753	10.70	30	Pass
151	5755	18.03	19.02	143.333	21.56	30	Pass
159	5795	19.81	19.63	187.553	22.73	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	7.36	7.88	11.583	10.64	24	Pass
58	5290	9.34	9.11	16.737	12.24	24	Pass
106	5530	9.24	9.92	18.212	12.60	24	Pass
122	5610	15.53	16.12	76.653	18.85	24	Pass
*138 (U-NII-2C)	5690	16.26	17.25	95.355	19.79	24	Pass
*138 (U-NII-3)	5690	1.34	0.82	2.569	4.10	30	Pass
155	5775	16.58	17.54	102.253	20.10	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.4 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.63 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.6 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20) 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	15.78	16.46	82.103	19.14	22.59	Pass
40	5200	18.03	18.48	134.002	21.27	22.59	Pass
48	5240	18.17	18.44	135.438	21.32	22.59	Pass
52	5260	17.66	17.95	120.718	20.82	22.36	Pass
60	5300	17.95	17.78	122.353	20.88	22.36	Pass
64	5320	16.57	16.41	89.146	19.50	22.36	Pass
100	5500	15.95	16.73	86.453	19.37	21.39	Pass
116	5580	16.41	17.19	96.112	19.83	21.39	Pass
140	5700	13.07	13.87	44.655	16.50	21.39	Pass
*144 (U-NII-2C)	5720	15.05	15.36	66.345	18.22	20.21	Pass
*144 (U-NII-3)	5720	7.52	7.81	11.689	10.68	27.8	Pass
149	5745	19.60	19.64	183.246	22.63	27.8	Pass
157	5785	19.47	19.93	186.913	22.72	27.8	Pass
165	5825	19.43	19.37	174.197	22.41	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to 24-(7.41-6) = 22.59 dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.64-6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.61-6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.2-6) = 27.8 dBm.

802.11n (HT40) 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	9.42	10.01	18.773	12.74	22.59	Pass
46	5230	16.53	16.70	91.751	19.63	22.59	Pass
54	5270	16.60	16.46	89.968	19.54	22.36	Pass
62	5310	11.10	10.66	24.524	13.90	22.36	Pass
102	5510	10.86	11.68	26.913	14.30	21.39	Pass
110	5550	17.14	18.14	116.924	20.68	21.39	Pass
134	5670	14.63	14.94	60.229	17.80	21.39	Pass
*142 (U-NII-2C)	5710	16.89	17.03	99.331	19.97	21.39	Pass
*142 (U-NII-3)	5710	4.37	4.49	5.547	7.44	27.8	Pass
151	5755	17.74	18.77	134.765	21.30	27.8	Pass
159	5795	19.44	19.39	174.798	22.43	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (7.41 - 6) = 22.59$ dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.64 - 6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (8.61 - 6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm.

802.11ac (VHT20) 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	15.96	16.61	85.26	19.31	22.59	Pass
40	5200	18.14	18.66	138.614	21.42	22.59	Pass
48	5240	18.36	18.63	141.495	21.51	22.59	Pass
52	5260	17.86	18.06	125.068	20.97	22.36	Pass
60	5300	18.07	17.97	126.782	21.03	22.36	Pass
64	5320	16.69	16.51	91.437	19.61	22.36	Pass
100	5500	16.13	16.92	90.224	19.55	21.39	Pass
116	5580	16.54	17.32	99.033	19.96	21.39	Pass
140	5700	13.20	13.99	45.954	16.62	21.39	Pass
*144 (U-NII-2C)	5720	15.30	15.79	71.816	18.56	20.21	Pass
*144 (U-NII-3)	5720	7.81	8.28	12.769	11.06	27.8	Pass
149	5745	19.75	19.79	189.686	22.78	27.8	Pass
157	5785	19.64	20.04	192.97	22.85	27.8	Pass
165	5825	19.61	19.49	180.331	22.56	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to 24-(7.41-6) = 22.59 dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.64-6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.61-6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.2-6) = 27.8 dBm.

802.11ac (VHT40) 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	9.58	10.16	19.453	12.89	22.59	Pass
46	5230	16.69	16.81	94.639	19.76	22.59	Pass
54	5270	16.78	16.62	93.563	19.71	22.36	Pass
62	5310	11.27	10.78	25.364	14.04	22.36	Pass
102	5510	11.04	11.80	27.841	14.45	21.39	Pass
110	5550	17.33	18.27	121.218	20.84	21.39	Pass
134	5670	14.81	15.12	62.778	17.98	21.39	Pass
*142 (U-NII-2C)	5710	17.18	17.53	108.864	20.37	21.39	Pass
*142 (U-NII-3)	5710	4.88	4.83	6.117	7.87	27.8	Pass
151	5755	17.85	18.88	138.222	21.41	27.8	Pass
159	5795	19.62	19.51	180.953	22.58	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (7.41 - 6) = 22.59$ dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.64 - 6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (8.61 - 6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm.

802.11ac (VHT80) 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	7.19	7.77	11.22	10.50	22.59	Pass
58	5290	9.20	8.99	16.243	12.11	22.36	Pass
106	5530	9.05	9.80	17.585	12.45	21.39	Pass
122	5610	15.37	15.93	73.609	18.67	21.39	Pass
*138 (U-NII-2C)	5690	15.97	16.84	87.843	19.44	21.39	Pass
*138 (U-NII-3)	5690	-0.98	0.52	1.9252	2.84	27.8	Pass
155	5775	16.47	17.40	99.315	19.97	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (7.41 - 6) = 22.59$ dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.64 - 6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (8.61 - 6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm.

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	16.11	16.81	88.805	19.48	22.59	Pass
40	5200	18.27	18.85	143.879	21.58	22.59	Pass
48	5240	18.48	18.76	145.632	21.63	22.59	Pass
52	5260	18.02	18.21	129.609	21.13	22.36	Pass
60	5300	18.26	18.11	131.703	21.20	22.36	Pass
64	5320	16.81	16.64	94.105	19.74	22.36	Pass
100	5500	16.29	17.11	93.964	19.73	21.39	Pass
116	5580	16.66	17.51	102.708	20.12	21.39	Pass
140	5700	13.33	14.14	47.47	16.76	21.39	Pass
*144 (U-NII-2C)	5720	15.52	16.31	78.401	18.94	20.21	Pass
*144 (U-NII-3)	5720	8.31	8.82	14.397	11.58	27.8	Pass
149	5745	19.89	19.98	197.04	22.95	27.8	Pass
157	5785	19.83	20.14	199.437	23.00	27.8	Pass
165	5825	19.79	19.67	187.963	22.74	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to 24-(7.41-6) = 22.59 dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(7.64-6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.61-6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.2-6) = 27.8 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	9.70	10.28	19.999	13.01	22.59	Pass
46	5230	16.87	16.95	98.186	19.92	22.59	Pass
54	5270	16.94	16.75	96.746	19.86	22.36	Pass
62	5310	11.41	10.94	26.252	14.19	22.36	Pass
102	5510	11.20	11.94	28.814	14.60	21.39	Pass
110	5550	17.52	18.37	125.201	20.98	21.39	Pass
134	5670	14.92	15.26	64.619	18.10	21.39	Pass
*142 (U-NII-2C)	5710	17.57	17.63	115.091	20.61	21.39	Pass
*142 (U-NII-3)	5710	6.60	5.57	8.177	9.13	27.8	Pass
151	5755	18.03	19.02	143.333	21.56	27.8	Pass
159	5795	19.81	19.63	187.553	22.73	27.8	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (7.41 - 6) = 22.59$ dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.64 - 6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (8.61 - 6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm.

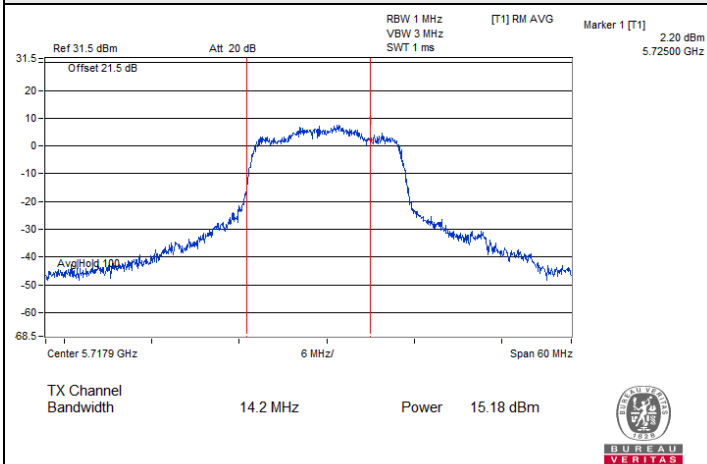
802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	7.36	7.88	11.583	10.64	22.59	Pass
58	5290	9.34	9.11	16.737	12.24	22.36	Pass
106	5530	9.24	9.92	18.212	12.60	21.39	Pass
122	5610	15.53	16.12	76.653	18.85	21.39	Pass
*138 (U-NII-2C)	5690	16.26	17.25	95.355	19.79	21.39	Pass
*138 (U-NII-3)	5690	1.34	0.82	2.569	4.10	27.8	Pass
155	5775	16.58	17.54	102.253	20.10	27.8	Pass

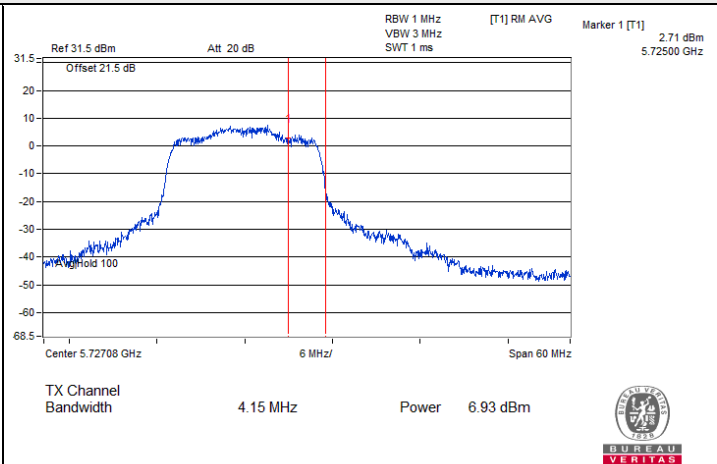
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 7.41 dBi > 6 dBi, so the output power limit shall be reduced to $24 - (7.41 - 6) = 22.59$ dBm.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (7.64 - 6)].
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit - (8.61 - 6)].
- For U-NII-3, the directional gain is 8.2 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm.

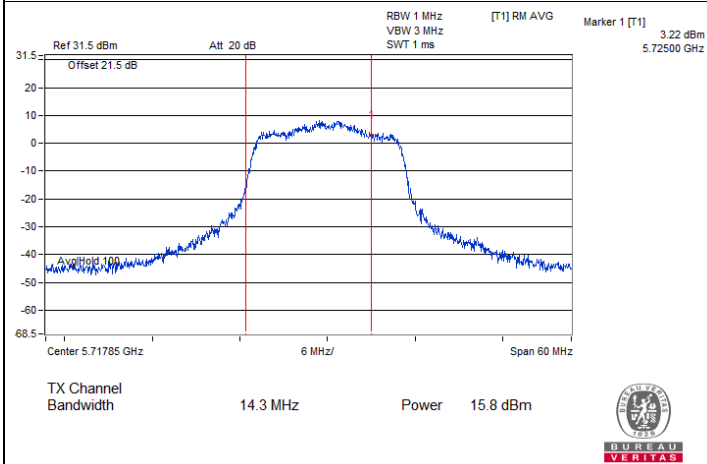
Spectrum Plot for channel straddling



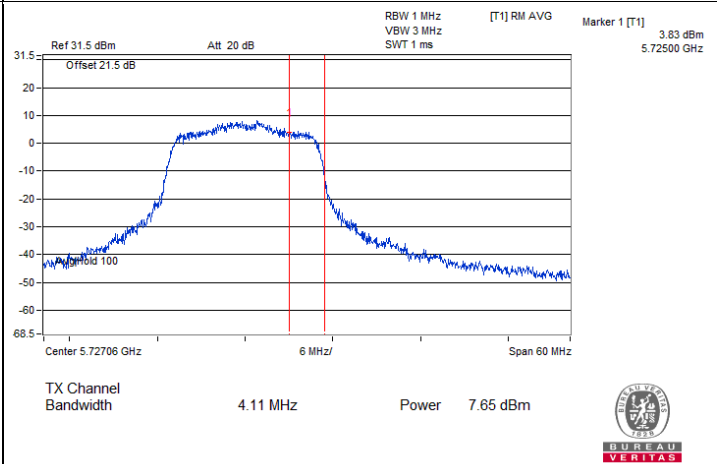
802.11a CDD / Chain 0 : CH 144 (U-NII-2C)



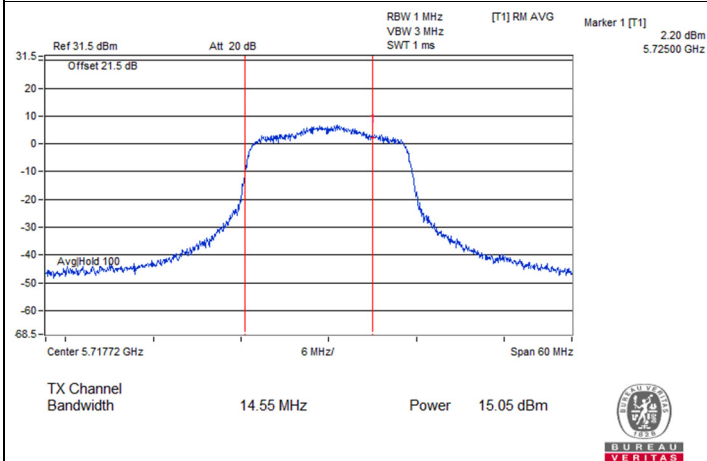
802.11a CDD / Chain 0 : CH 144 (U-NII-3)



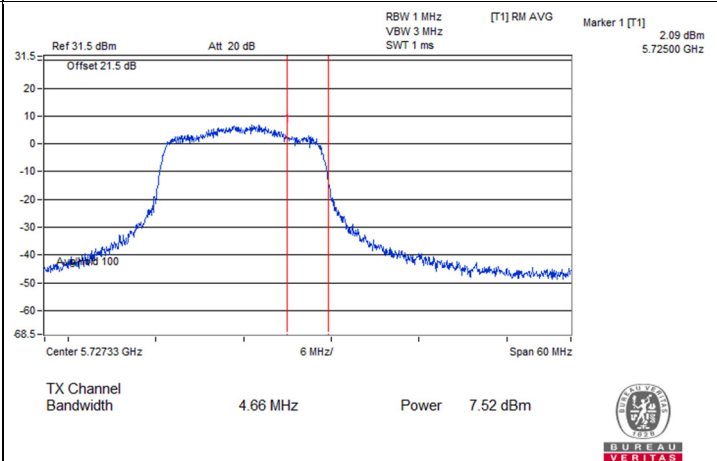
802.11a CDD / Chain 1 : CH 144 (U-NII-2C)



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

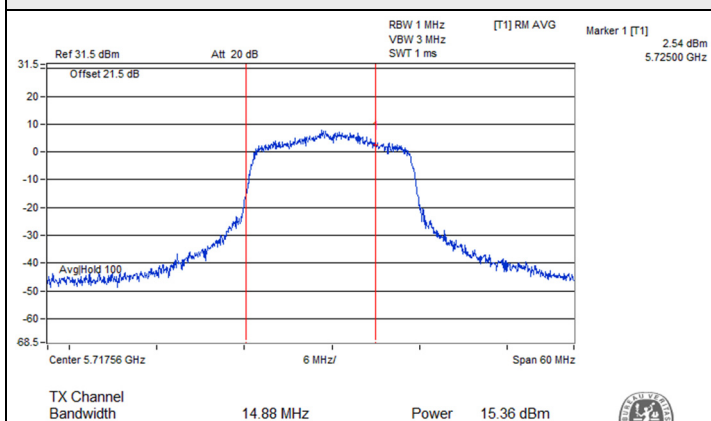


802.11n (HT20) CDD / Chain 0 : CH 144 (U-NII-2C)

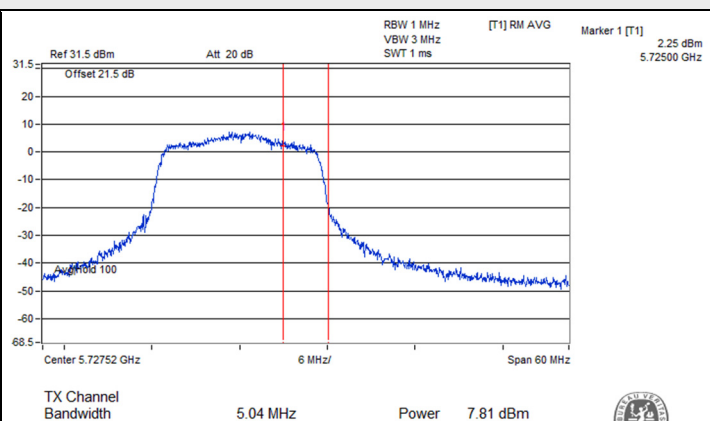


802.11n (HT20) CDD / Chain 0 : CH 144 (U-NII-3)

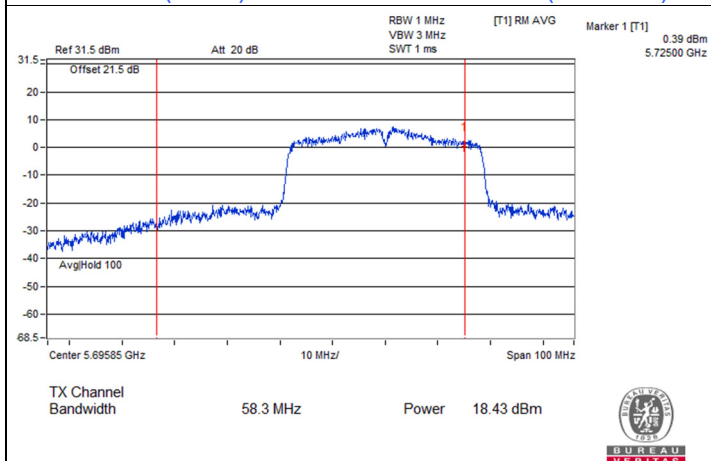
Spectrum Plot for channel straddling



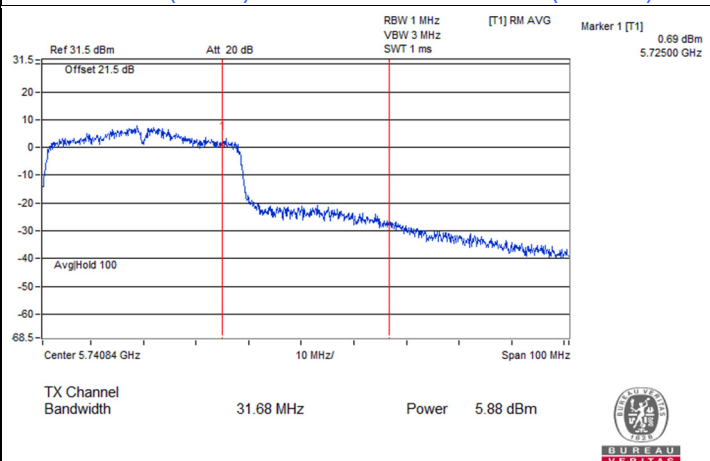
802.11n (HT20) CDD / Chain 1 : CH 144 (U-NII-2C)



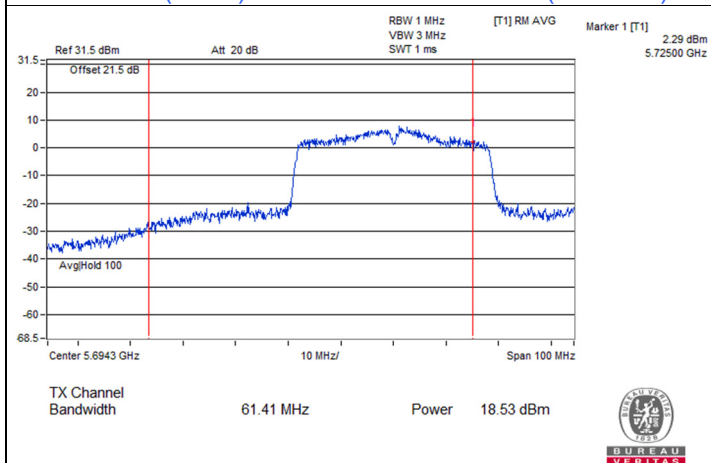
802.11n (HT20) CDD / Chain 1 : CH 144 (U-NII-3)



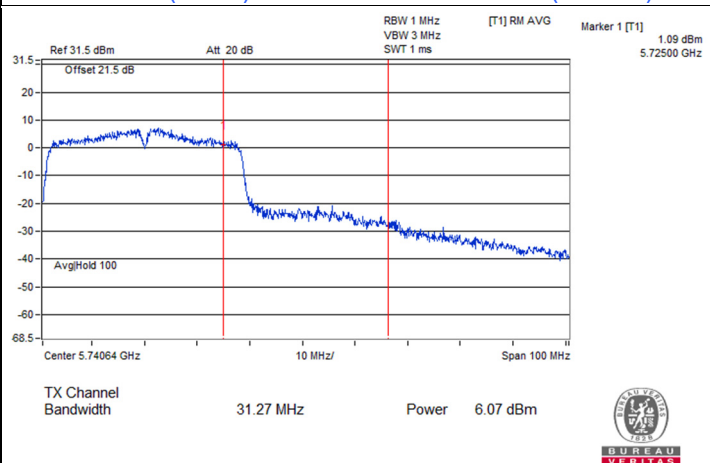
802.11n (HT40) CDD / Chain 0 : CH 142 (U-NII-2C)



802.11n (HT40) CDD / Chain 0 : CH 142 (U-NII-3)

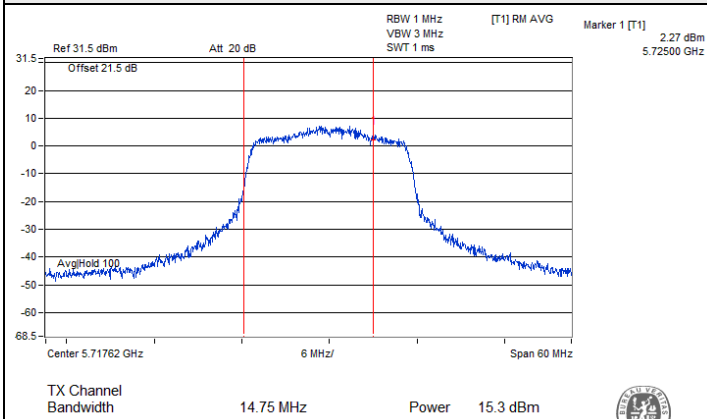


802.11n (HT40) CDD / Chain 1 : CH 142 (U-NII-2C)

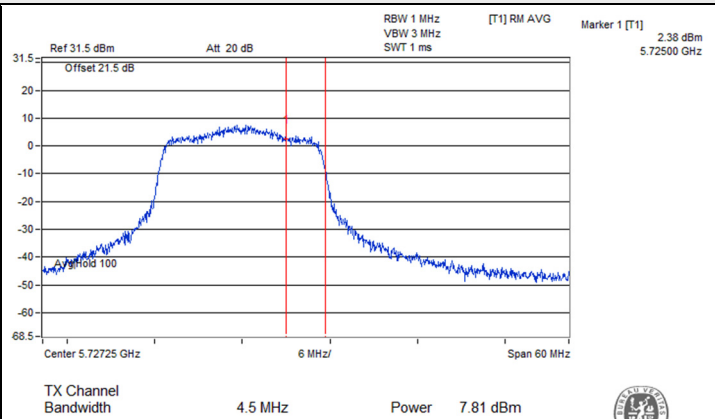


802.11n (HT40) CDD / Chain 1 : CH 142 (U-NII-3)

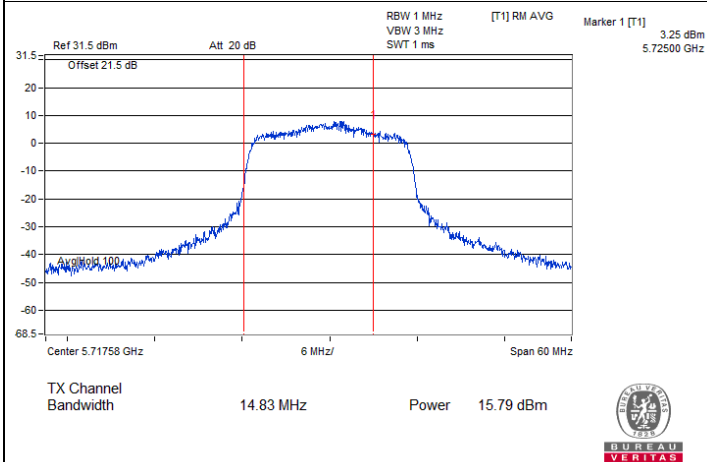
Spectrum Plot for channel straddling



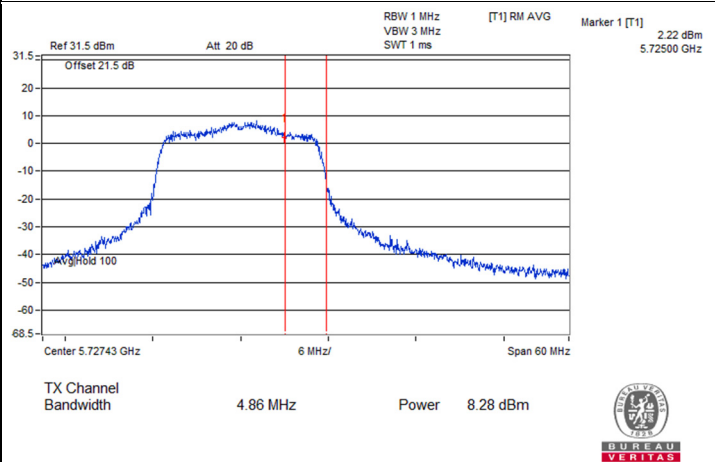
802.11ac (VHT20) CDD / Chain 0 : CH 144 (U-NII-2C)



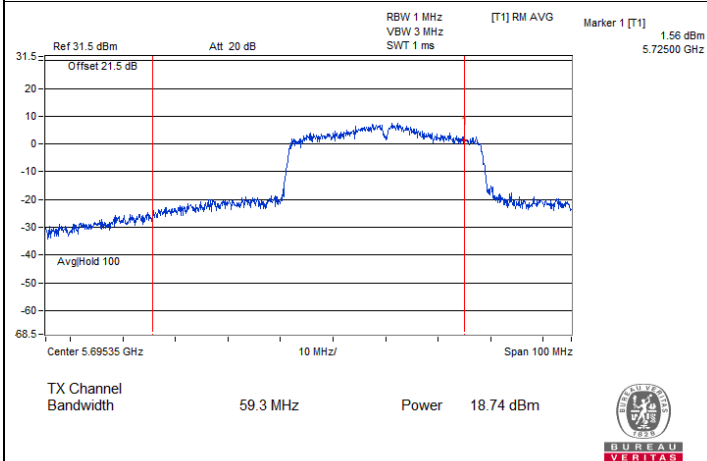
802.11ac (VHT20) CDD / Chain 0 : CH 144 (U-NII-3)



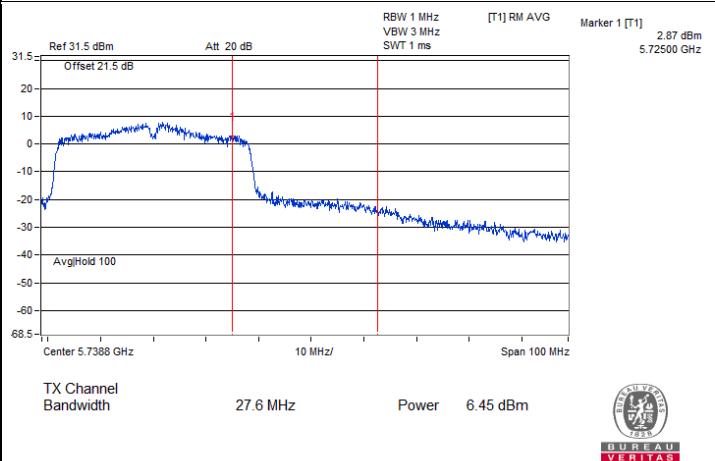
802.11ac (VHT20) CDD / Chain 1 : CH 144 (U-NII-2C)



802.11ac (VHT20) CDD / Chain 1 : CH 144 (U-NII-3)

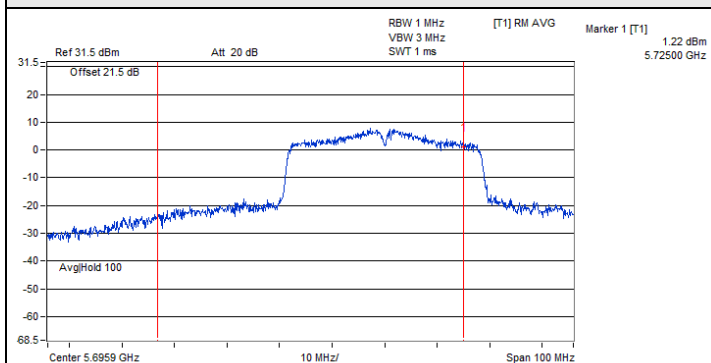


802.11ac (VHT40) CDD / Chain 0 : CH 142 (U-NII-2C)

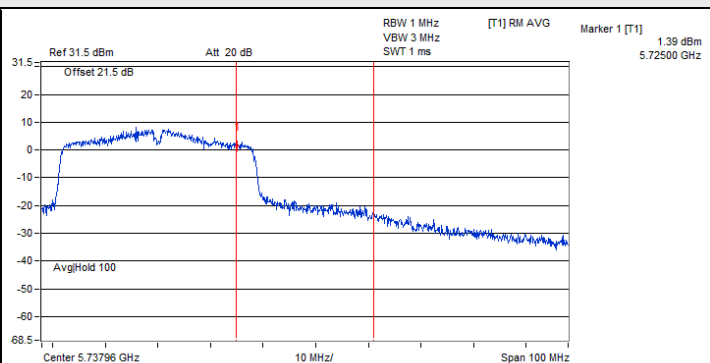


802.11ac (VHT40) CDD / Chain 0 : CH 142 (U-NII-3)

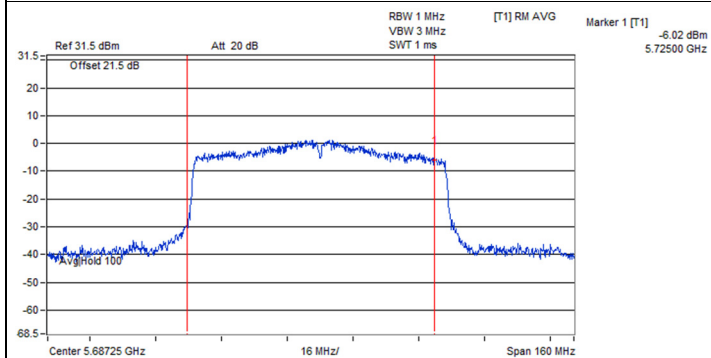
Spectrum Plot for channel straddling



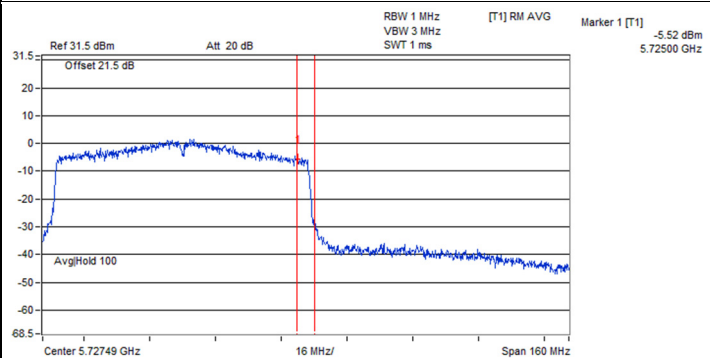
802.11ac (VHT40) CDD / Chain 1 : CH 142 (U-NII-2C)



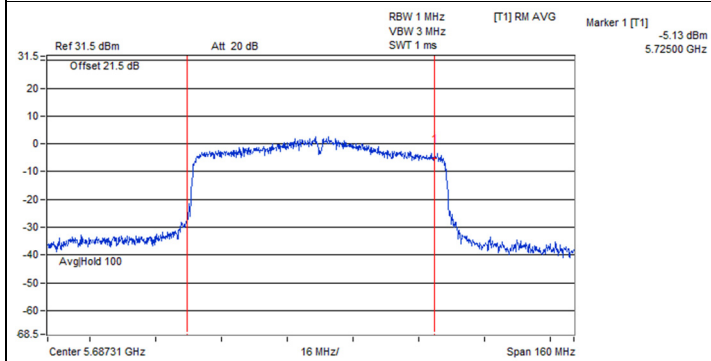
802.11ac (VHT40) CDD / Chain 1 : CH 142 (U-NII-3)



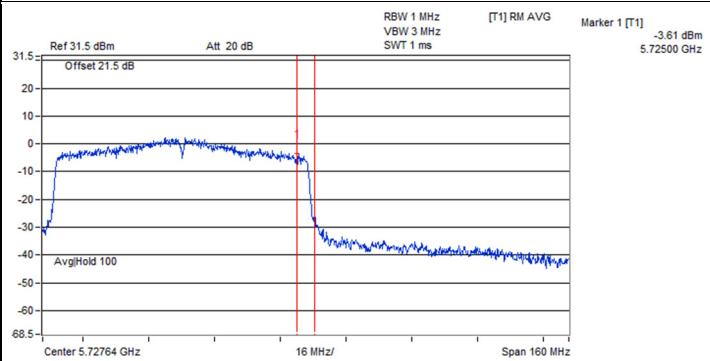
802.11ac (VHT80) CDD / Chain 0 : CH 138 (U-NII-2C)



802.11ac (VHT80) CDD / Chain 0 : CH 138 (U-NII-3)

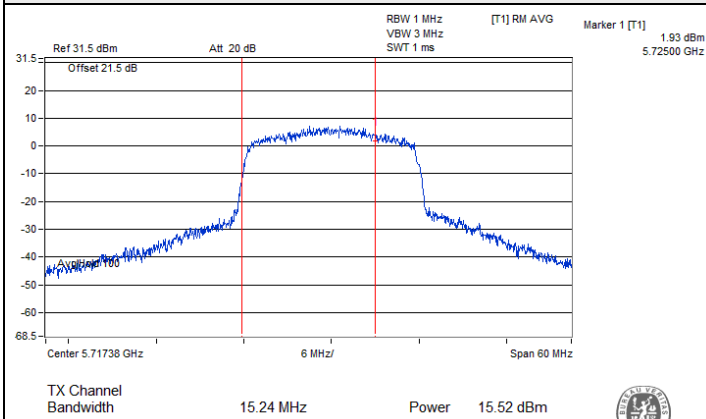


802.11ac (VHT80) CDD / Chain 1 : CH 138 (U-NII-2C)

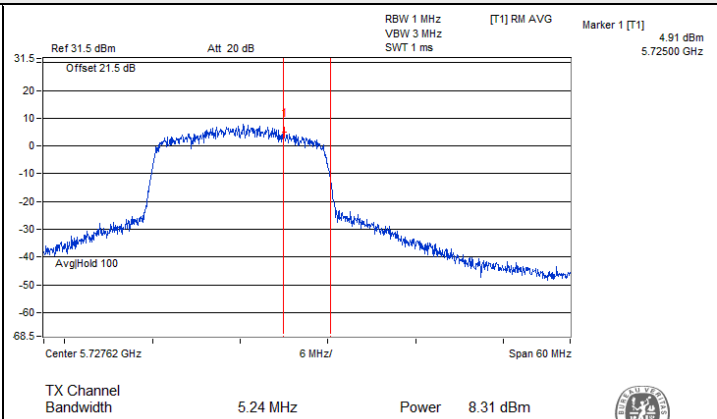


802.11ac (VHT80) CDD / Chain 1 : CH 138 (U-NII-3)

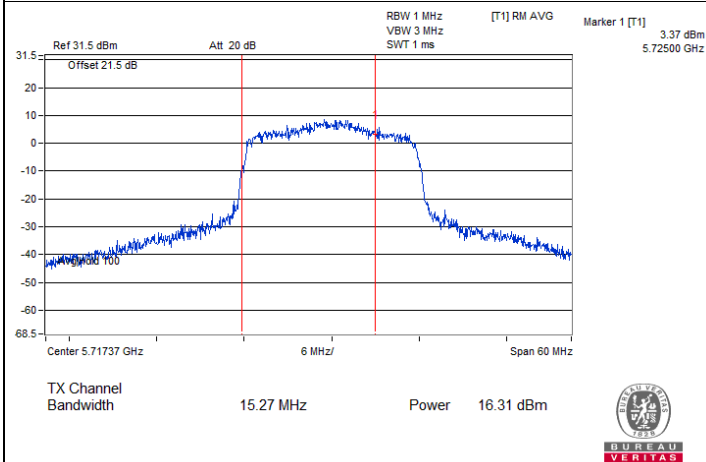
Spectrum Plot for channel straddling



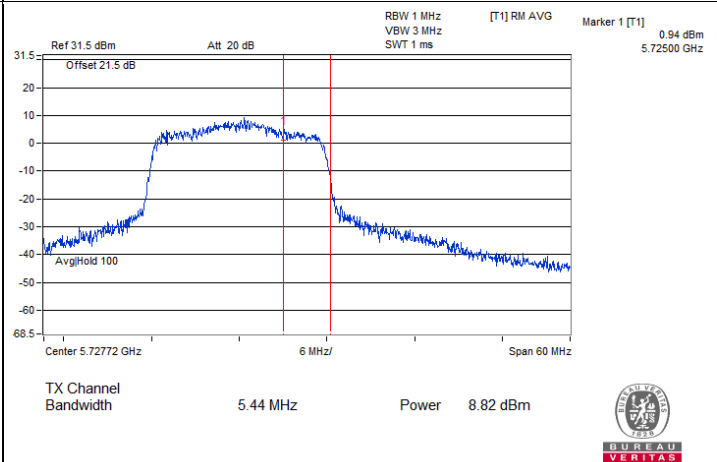
802.11ax (HE20) CDD / Chain 0 : CH 144 (U-NII-2C)



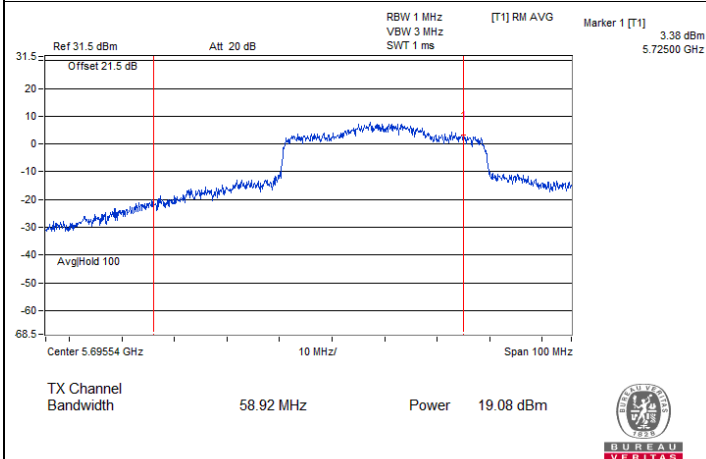
802.11ax (HE20) CDD / Chain 0 : CH 144 (U-NII-3)



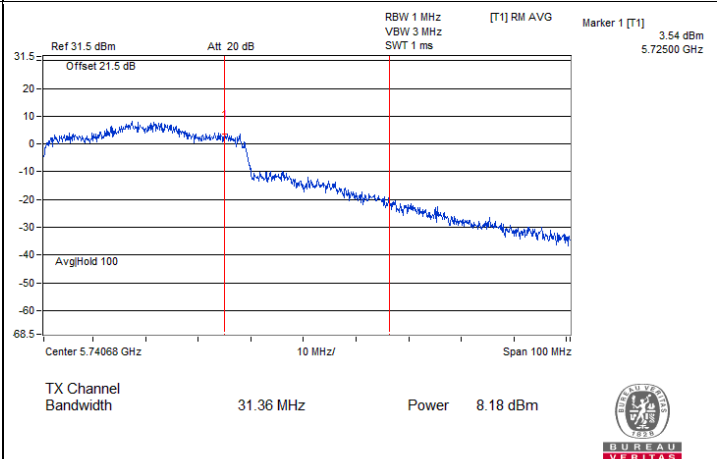
802.11ax (HE20) CDD / Chain 1 : CH 144 (U-NII-2C)



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

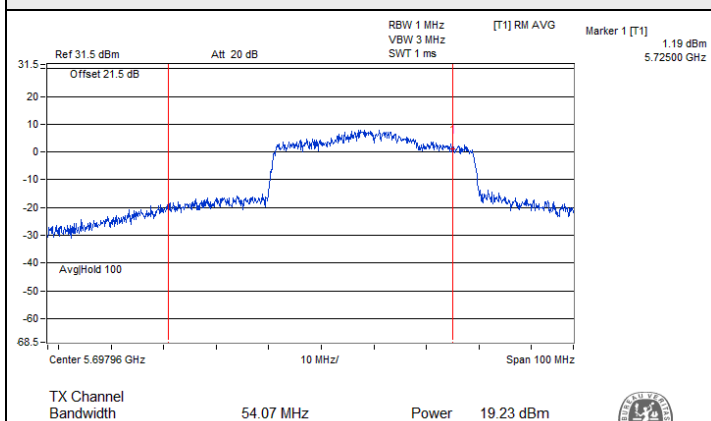


802.11ax (HE40) CDD / Chain 0 : CH 142 (U-NII-2C)

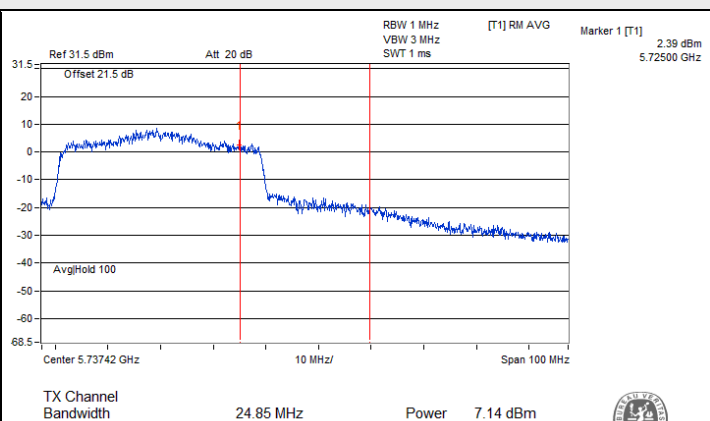


802.11ax (HE40) CDD / Chain 0 : CH 142 (U-NII-3)

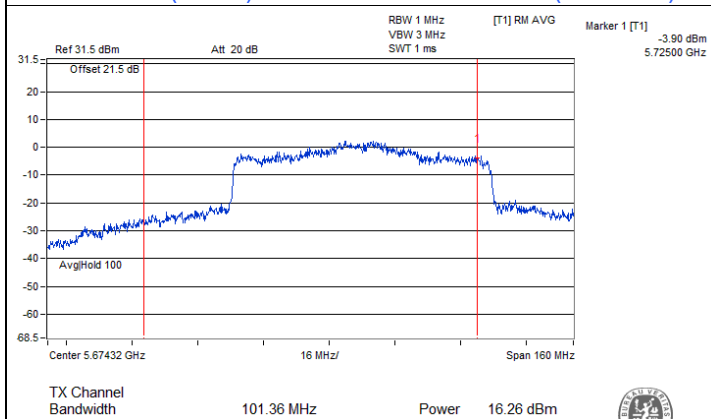
Spectrum Plot for channel straddling



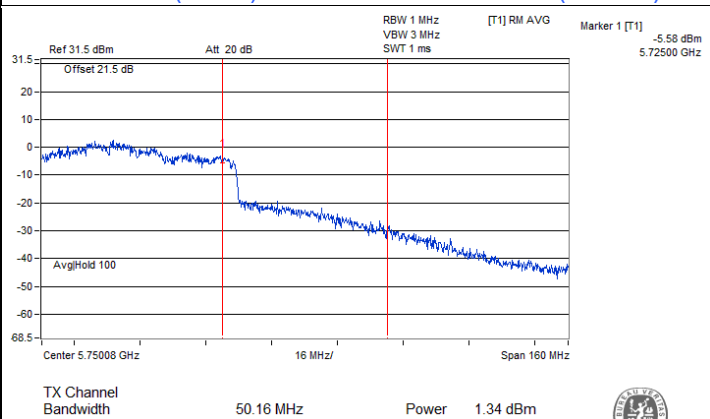
802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-2C)



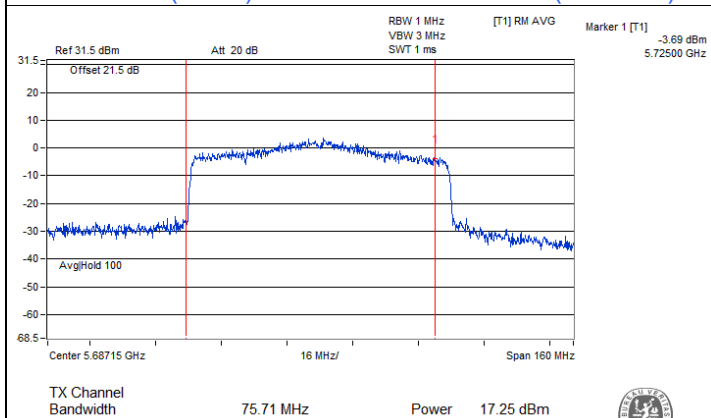
802.11ax (HE40) CDD / Chain 1 : CH 142 (U-NII-3)



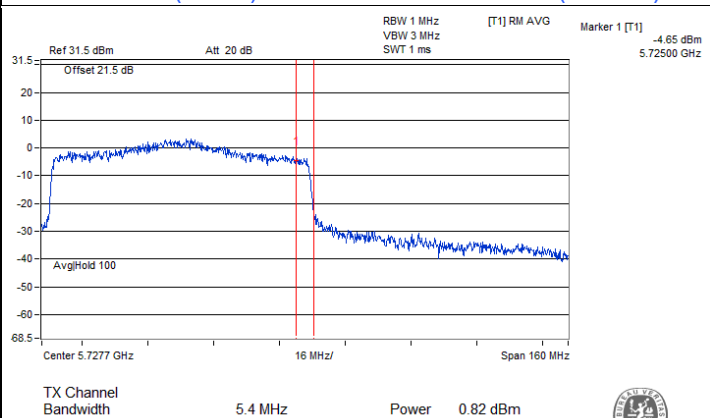
802.11ax (HE80) CDD / Chain 0 : CH 138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Input Power:	12 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu
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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	5.71	5.82	0.17	8.95	9.59	Pass
40	5200	5.99	6.39	0.17	9.37	9.59	Pass
48	5240	6.56	6.16	0.17	9.54	9.59	Pass
52	5260	5.97	5.56	0.17	8.95	9.36	Pass
60	5300	6.00	5.66	0.17	9.01	9.36	Pass
64	5320	6.12	5.71	0.17	9.10	9.36	Pass
100	5500	4.75	5.54	0.17	8.34	8.39	Pass
116	5580	4.32	5.14	0.17	7.93	8.39	Pass
140	5700	4.82	5.18	0.17	8.18	8.39	Pass
144 (U-NII-2C)	5720	4.71	5.19	0.17	8.14	8.39	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 7.41 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.41-6) = 9.59 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.64-6) = 9.36 dBm/MHz.
5. For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.61-6) = 8.39 dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	4.37	5.02	7.72	9.59	Pass
40	5200	6.34	6.77	9.57	9.59	Pass
48	5240	6.50	6.62	9.57	9.59	Pass
52	5260	5.85	6.10	8.99	9.36	Pass
60	5300	6.36	6.01	9.20	9.36	Pass
64	5320	4.28	3.97	7.14	9.36	Pass
100	5500	3.56	4.79	7.23	8.39	Pass
116	5580	4.79	5.38	8.11	8.39	Pass
140	5700	1.42	2.19	4.83	8.39	Pass
144 (U-NII-2C)	5720	4.41	5.15	7.81	8.39	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 7.41 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.41-6) = 9.59 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.64-6) = 9.36 dBm/MHz.
5. For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.61-6) = 8.39 dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-5.75	-5.05	-2.38	9.59	Pass
46	5230	2.58	2.81	5.71	9.59	Pass
54	5270	2.67	2.41	5.55	9.36	Pass
62	5310	-3.93	-4.59	-1.24	9.36	Pass
102	5510	-3.43	-2.66	-0.02	8.39	Pass
110	5550	2.42	4.04	6.32	8.39	Pass
134	5670	0.30	0.81	3.57	8.39	Pass
142 (U-NII-2C)	5710	5.15	5.42	8.30	8.39	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 7.41 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.41-6) = 9.59 dBm/MHz.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.64-6) = 9.36 dBm/MHz.
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.61-6) = 8.39 dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-9.86	-9.54	-6.69	9.59	Pass
58	5290	-9.54	-9.87	-6.69	9.36	Pass
106	5530	-8.47	-7.74	-5.08	8.39	Pass
122	5610	-1.61	-1.16	1.63	8.39	Pass
138 (U-NII-2C)	5690	-0.29	-0.01	2.86	8.39	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 7.41 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.41-6) = 9.59 dBm/MHz.
- For U-NII-2A, the directional gain is 7.64 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.64-6) = 9.36 dBm/MHz.
- For U-NII-2C, the directional gain is 8.61 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.61-6) = 8.39 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	-3.99	-3.50	-0.73	0.17	1.66	27.8	Pass
149	5745	3.38	3.82	6.62	0.17	9.01	27.8	Pass
157	5785	3.55	4.01	6.8	0.17	9.19	27.8	Pass
165	5825	3.60	3.67	6.65	0.17	9.04	27.8	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 8.2 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-3.67	-3.95	-0.8	1.42	27.8	Pass
149	5745	1.95	2.71	5.36	7.58	27.8	Pass
157	5785	1.93	2.98	5.5	7.72	27.8	Pass
165	5825	1.72	2.91	5.37	7.59	27.8	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 8.2 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-4.56	-4.72	-1.63	0.59	27.8	Pass
151	5755	-1.72	-0.73	1.81	4.03	27.8	Pass
159	5795	-0.82	0.83	3.09	5.31	27.8	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 8.2 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm/500kHz.

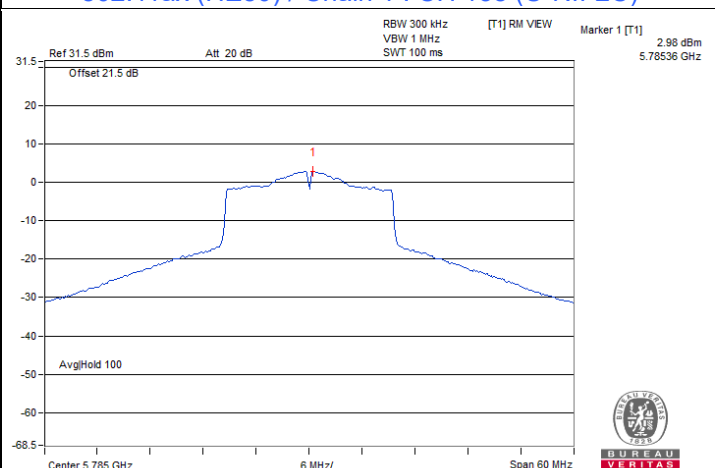
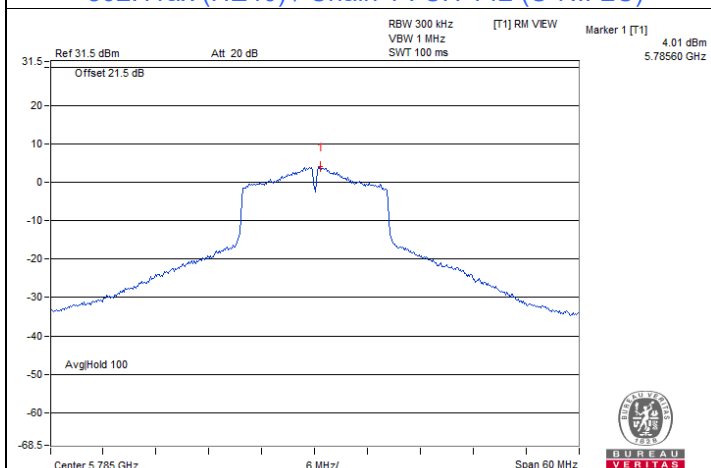
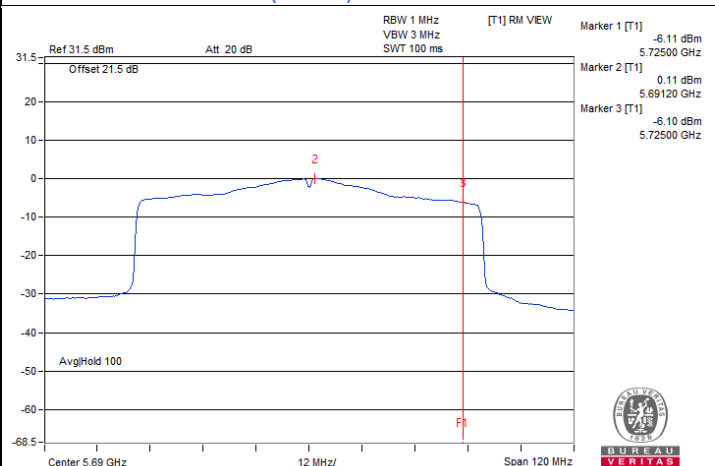
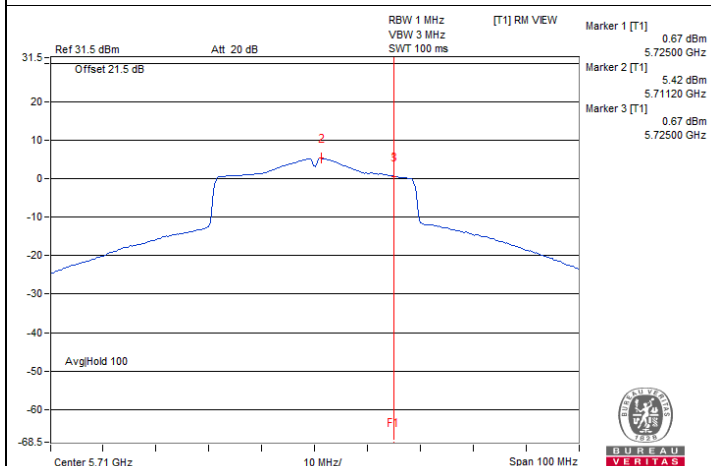
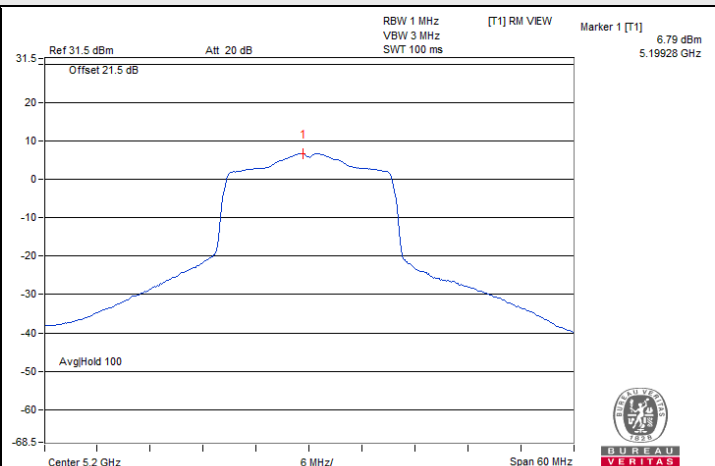
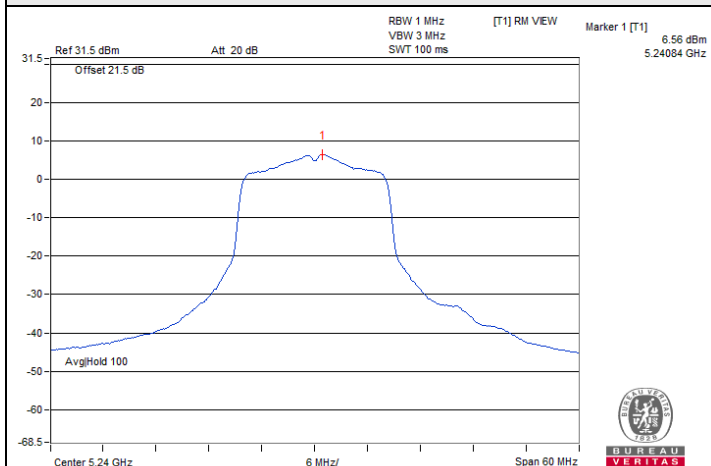
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-10.80	-11.42	-8.09	-5.87	27.8	Pass
155	5775	-13.43	-12.79	-10.09	-7.87	27.8	Pass

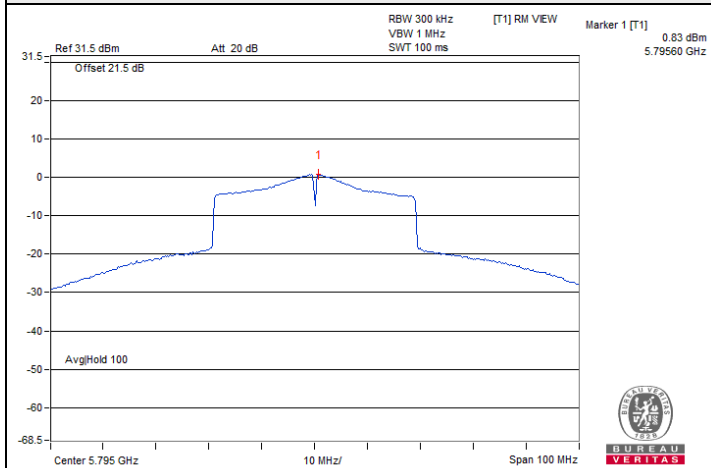
Notes:

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 8.2 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.2 - 6) = 27.8$ dBm/500kHz.

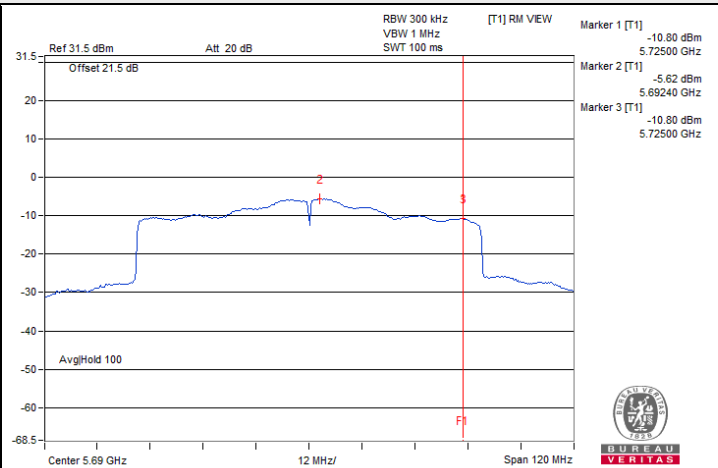
Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



802.11ax (HE40) / Chain 1 : CH 159



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

7.4 6 dB Bandwidth

Input Power:	12 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu
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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	2.55	2.53	0.5	Pass
149	5745	15.08	15.10	0.5	Pass
157	5785	15.10	15.07	0.5	Pass
165	5825	15.05	15.06	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	2.52	1.29	0.5	Pass
149	5745	15.99	15.32	0.5	Pass
157	5785	13.81	15.04	0.5	Pass
165	5825	15.00	15.12	0.5	Pass

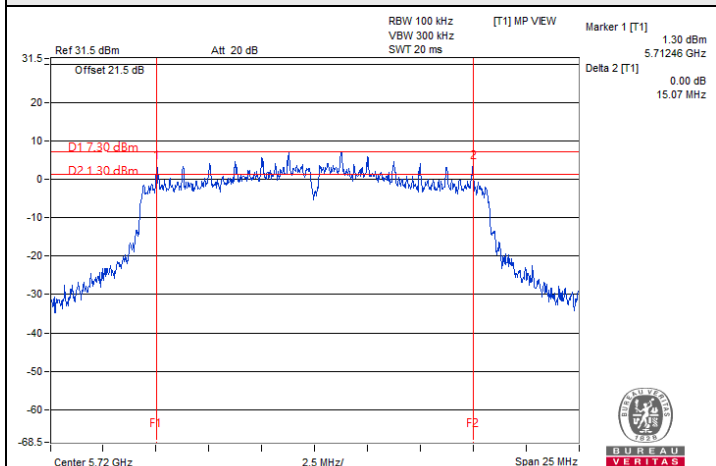
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.55	2.51	0.5	Pass
151	5755	35.03	33.82	0.5	Pass
159	5795	31.65	35.23	0.5	Pass

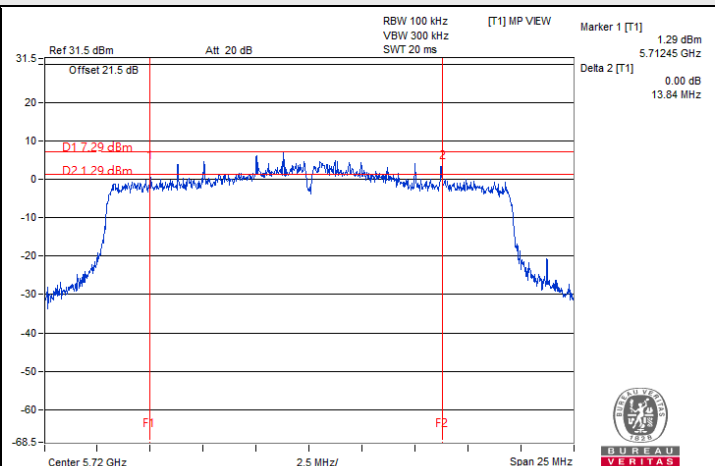
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.51	2.51	0.5	Pass
155	5775	72.14	60.29	0.5	Pass

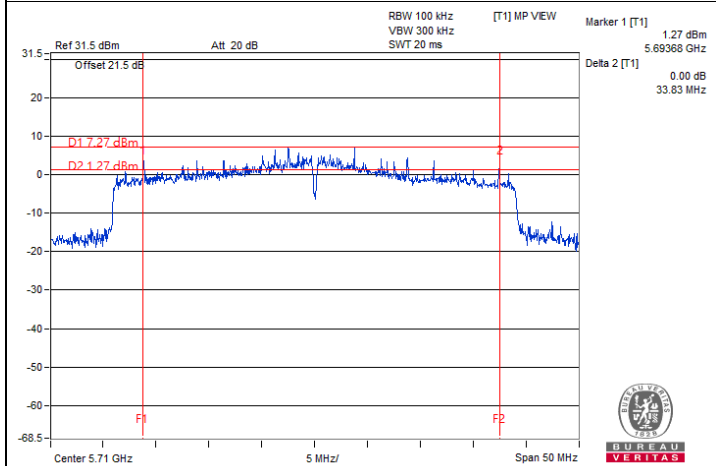
Spectrum Plot of Minimum Value



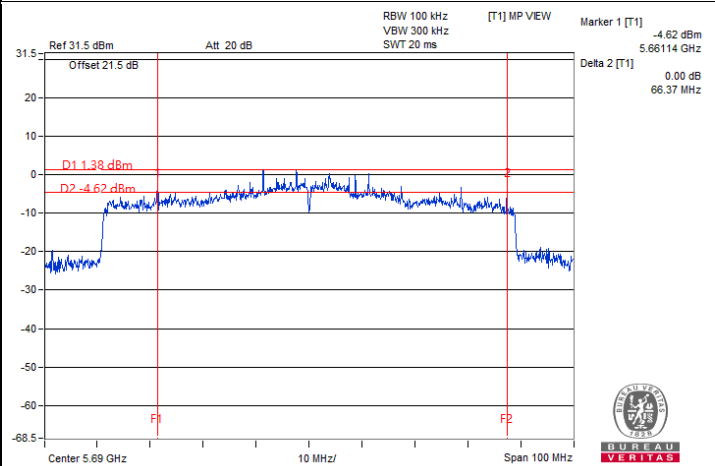
802.11a / Chain 1 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

Input Power:	12 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.26	16.26
40	5200	16.26	16.26
48	5240	16.26	16.26
52	5260	16.20	16.32
60	5300	16.26	16.26
64	5320	16.26	16.26
100	5500	16.32	16.26
116	5580	16.32	16.32
140	5700	16.26	16.26
144 (U-NII-2C)	5720	13.16	13.16
144 (U-NII-3)	5720	3.16	3.16
149	5745	19.38	23.28
157	5785	18.54	23.58
165	5825	19.86	19.14

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.84
40	5200	18.90	18.90
48	5240	18.90	18.78
52	5260	18.90	18.84
60	5300	18.84	18.84
64	5320	18.84	18.84
100	5500	18.84	18.84
116	5580	18.78	18.78
140	5700	18.72	18.78
144 (U-NII-2C)	5720	14.36	14.42
144 (U-NII-3)	5720	4.36	4.42
149	5745	26.04	24.84
157	5785	25.56	24.96
165	5825	24.72	23.04

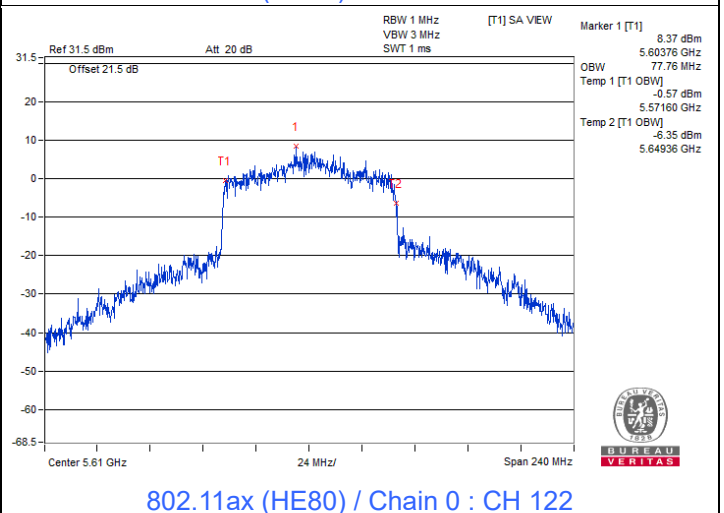
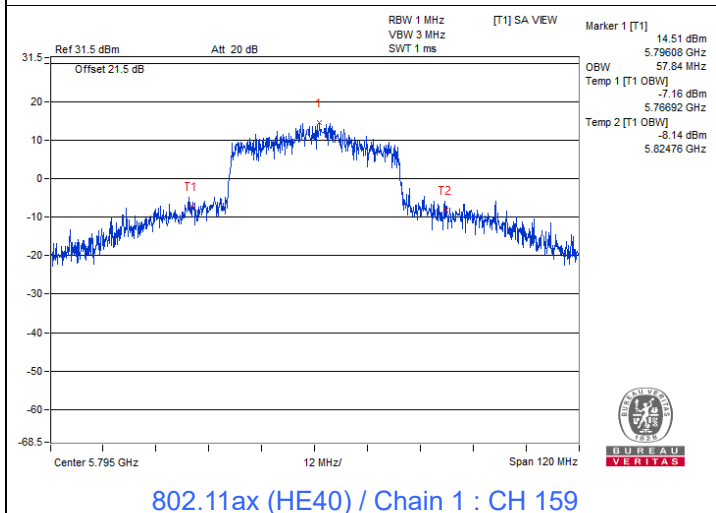
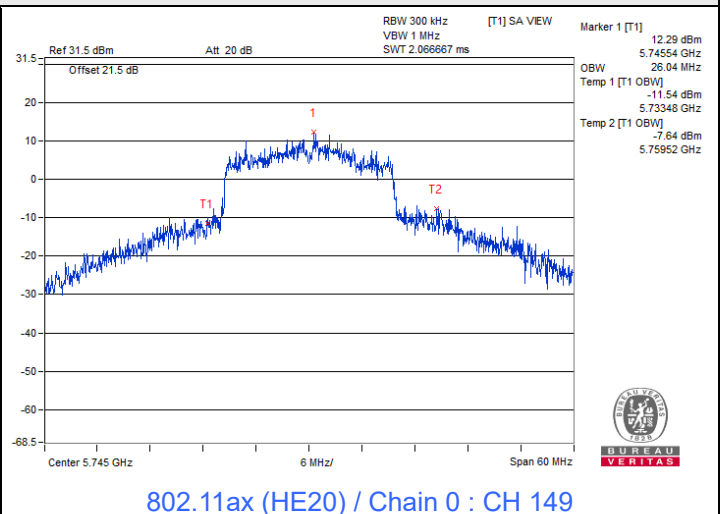
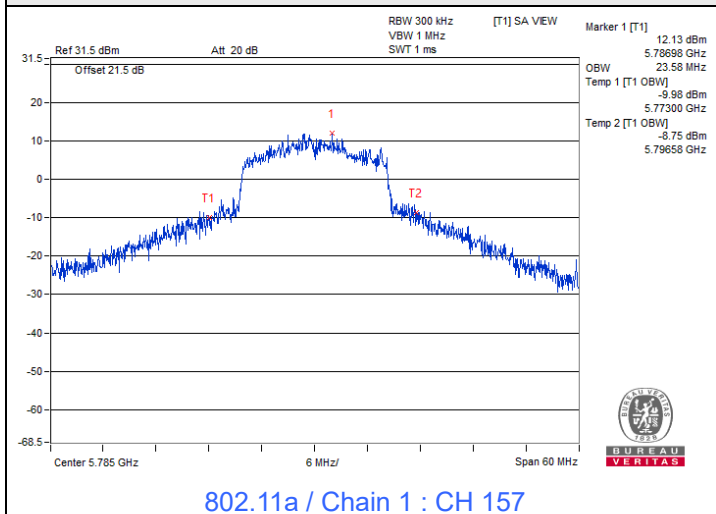
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.56	37.68
54	5270	37.68	37.68
62	5310	37.44	37.68
102	5510	37.44	37.68
110	5550	37.68	37.80
134	5670	37.44	37.80
142 (U-NII-2C)	5710	42.60	41.76
142 (U-NII-3)	5710	16.20	10.44
151	5755	44.04	38.16
159	5795	50.76	57.84

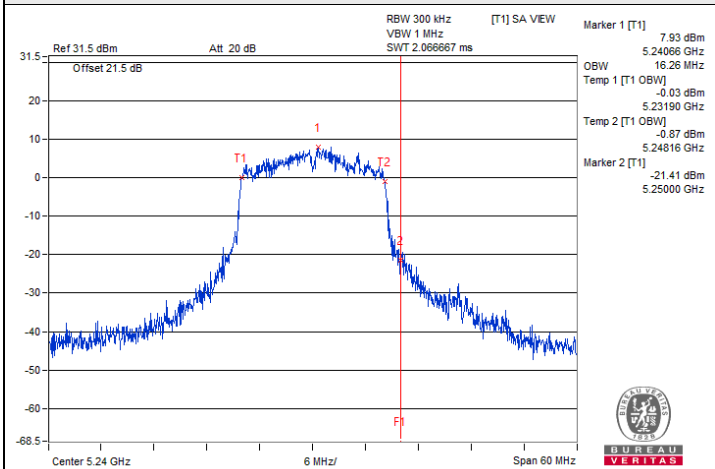
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.32	77.04
58	5290	76.56	76.80
106	5530	76.32	76.80
122	5610	77.76	76.56
138 (U-NII-2C)	5690	73.64	73.64
138 (U-NII-3)	5690	3.40	3.40
155	5775	76.80	76.80

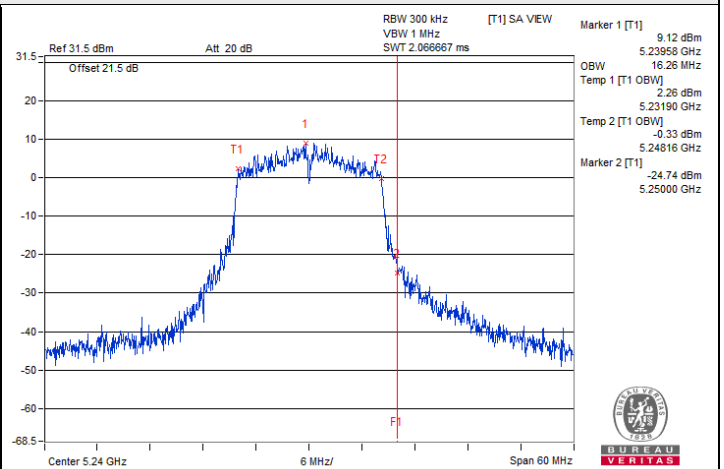
Spectrum Plot of Maximum Value



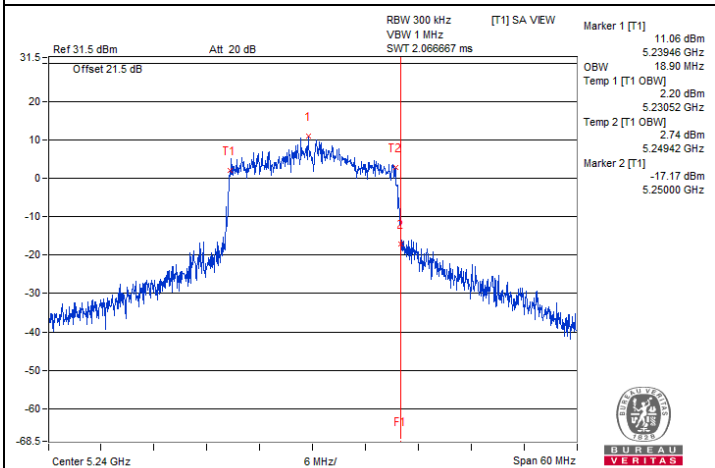
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



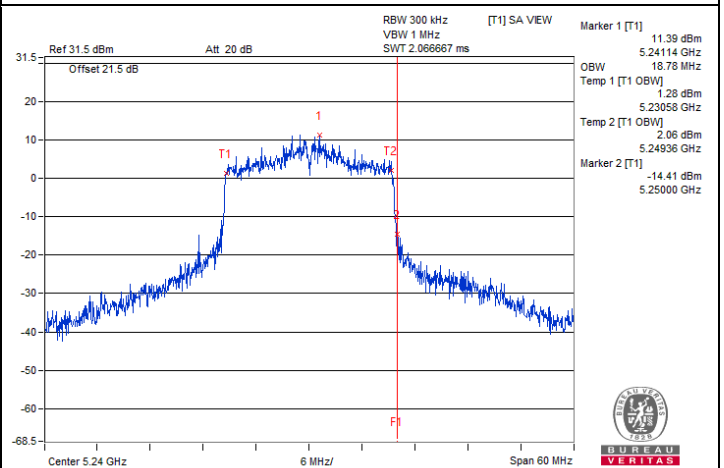
802.11a / Chain 0 : CH 48



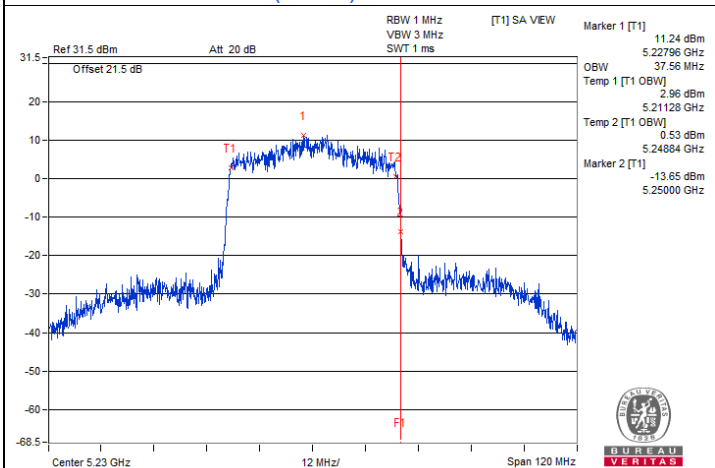
802.11a / Chain 1 : CH 48



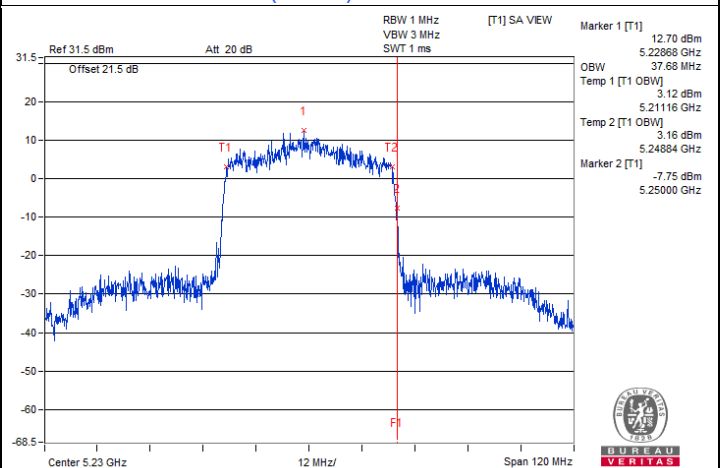
802.11ax (HE20) / Chain 0 : CH 48



802.11ax (HE20) / Chain 1 : CH 48

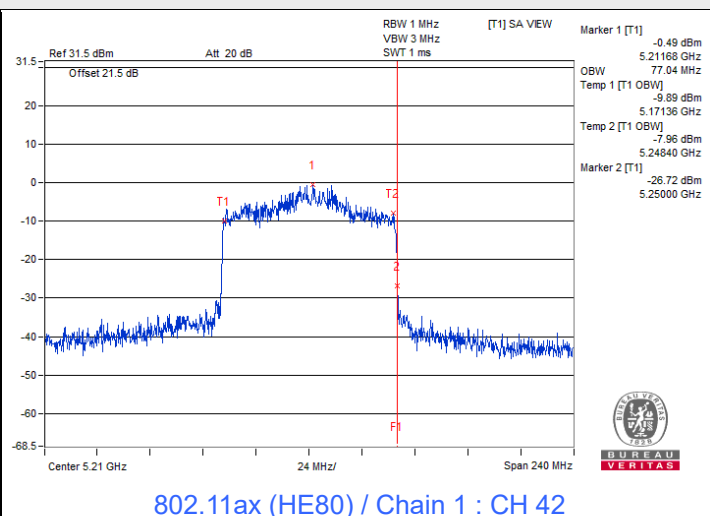
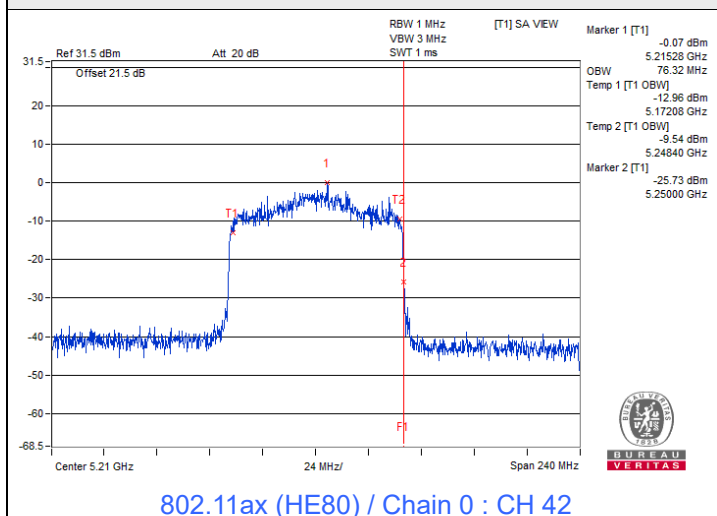


802.11ax (HE40) / Chain 0 : CH 46

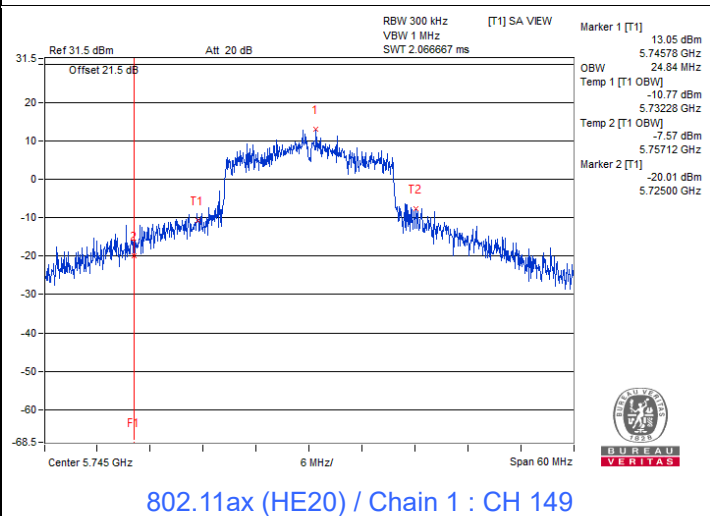
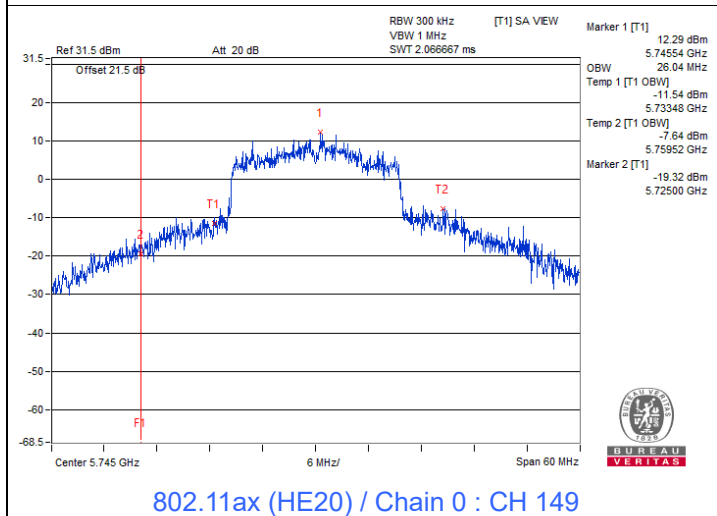
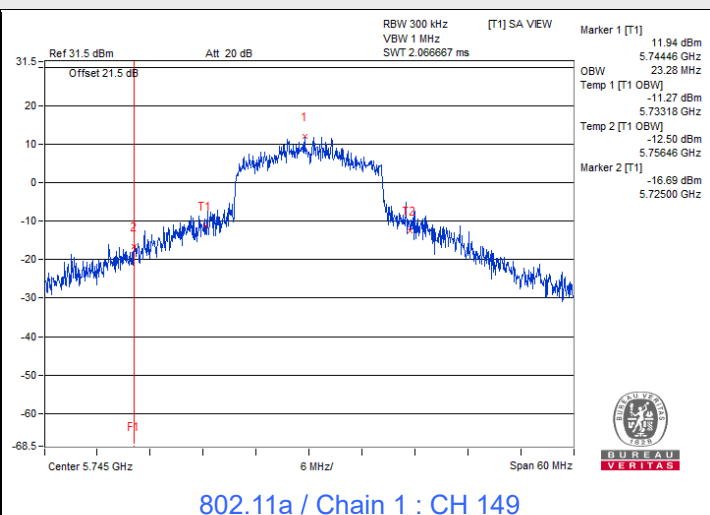
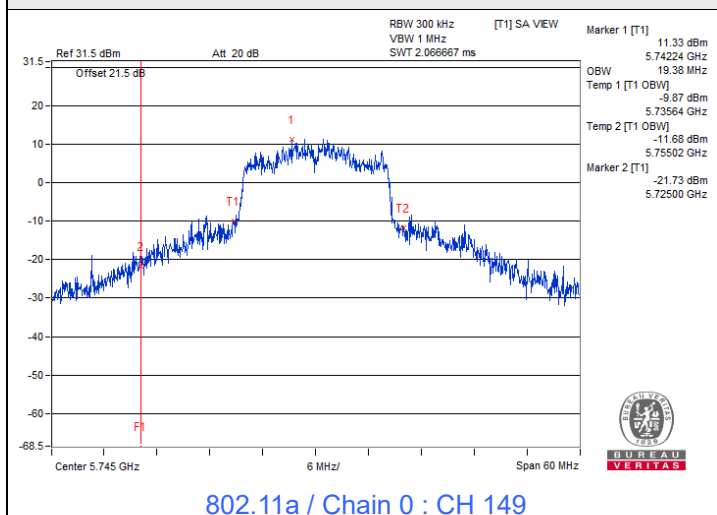


802.11ax (HE40) / Chain 1 : CH 46

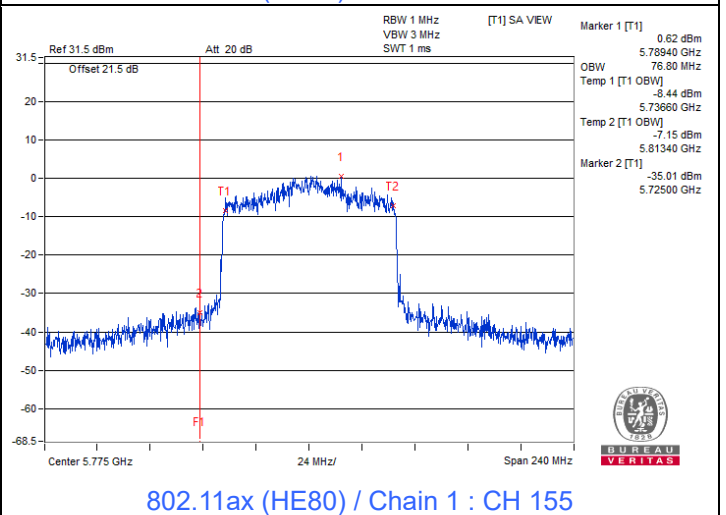
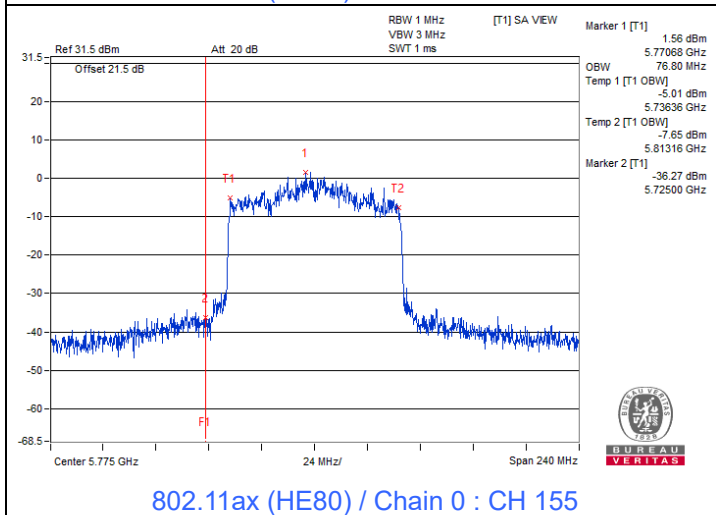
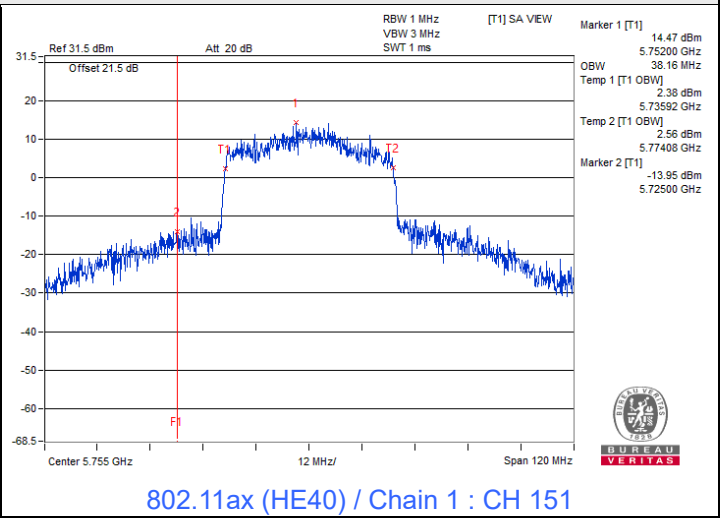
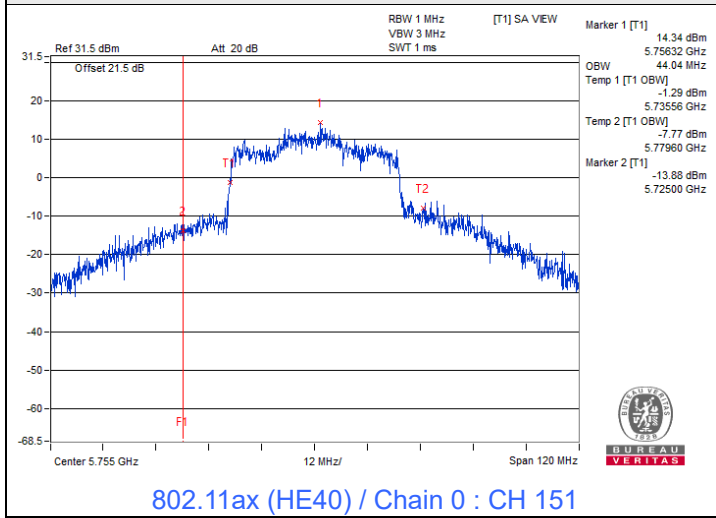
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



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



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



7.6 Frequency Stability

Input Power:	12 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu
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Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
70	12	5180.0041	Pass	5180.0029	Pass	5180.005	Pass	5180.004	Pass
60	12	5179.9904	Pass	5179.9914	Pass	5179.9897	Pass	5179.9897	Pass
50	12	5179.9861	Pass	5179.9836	Pass	5179.9859	Pass	5179.9819	Pass
40	12	5179.9923	Pass	5179.9941	Pass	5179.9927	Pass	5179.9931	Pass
30	12	5180.0092	Pass	5180.0089	Pass	5180.0083	Pass	5180.0101	Pass
20	12	5180.0017	Pass	5180.0039	Pass	5180.0063	Pass	5180.0017	Pass
10	12	5180.0217	Pass	5180.022	Pass	5180.0249	Pass	5180.0218	Pass
0	12	5179.9854	Pass	5179.9864	Pass	5179.9859	Pass	5179.9836	Pass
-10	12	5179.9943	Pass	5179.9911	Pass	5179.993	Pass	5179.9924	Pass
-20	12	5179.9845	Pass	5179.9853	Pass	5179.9854	Pass	5179.9852	Pass
-30	12	5179.9768	Pass	5179.9761	Pass	5179.9769	Pass	5179.9747	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	13.8	5180.0036	Pass	5180.0052	Pass	5180.0056	Pass	5180.0059	Pass
	12	5180.0017	Pass	5180.0039	Pass	5180.0063	Pass	5180.0017	Pass
	10.2	5180.0078	Pass	5180.0093	Pass	5180.0085	Pass	5180.0069	Pass

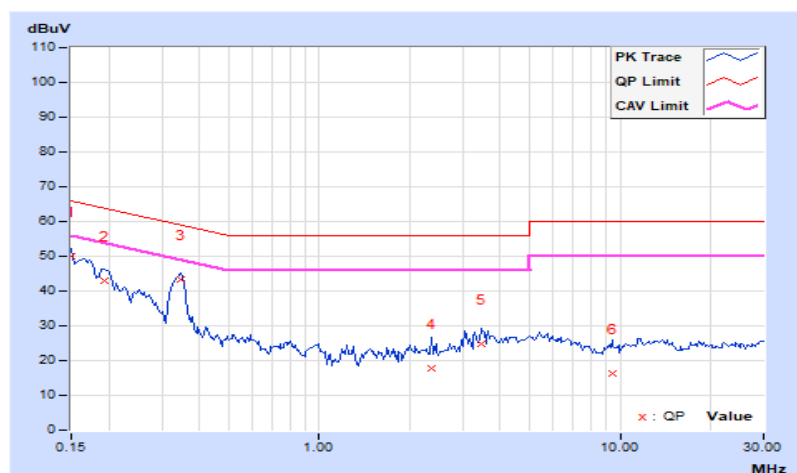
7.7 AC Power Conducted Emissions

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 66 % RH
Tested By	Louis Yang		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.93	40.03	22.52	49.96	32.45	66.00	56.00	-16.04	-23.55
2	0.19297	9.94	33.01	18.59	42.95	28.53	63.91	53.91	-20.96	-25.38
3	0.34531	9.95	33.42	27.37	43.37	37.32	59.07	49.07	-15.70	-11.75
4	2.37109	10.08	7.79	-0.99	17.87	9.09	56.00	46.00	-38.13	-36.91
5	3.44531	10.15	14.72	4.39	24.87	14.54	56.00	46.00	-31.13	-31.46
6	9.45313	10.61	5.71	0.24	16.32	10.85	60.00	50.00	-43.68	-39.15

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

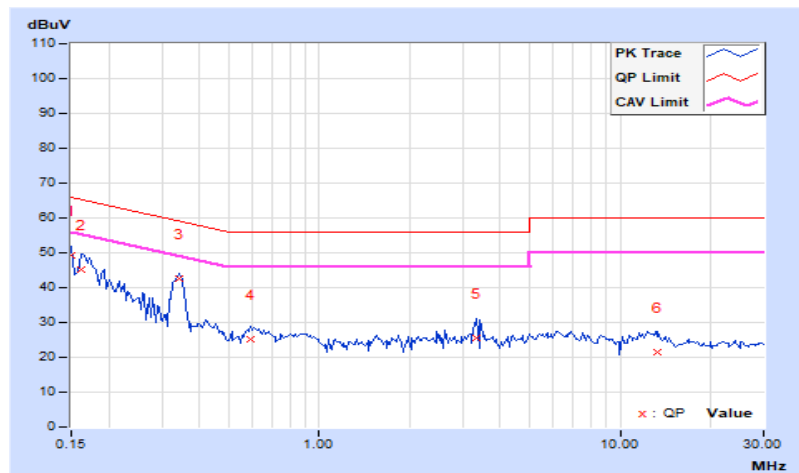


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 66 % RH
Tested By	Louis Yang		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.00	39.34	23.70	49.34	33.70	66.00	56.00	-16.66	-22.30
2	0.16172	10.01	35.16	15.86	45.17	25.87	65.38	55.38	-20.21	-29.51
3	0.34141	10.02	32.41	25.20	42.43	35.22	59.17	49.17	-16.74	-13.95
4	0.59141	10.03	15.07	8.00	25.10	18.03	56.00	46.00	-30.90	-27.97
5	3.33984	10.17	15.55	6.00	25.72	16.17	56.00	46.00	-30.28	-29.83
6	13.37891	10.77	10.75	5.64	21.52	16.41	60.00	50.00	-38.48	-33.59

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

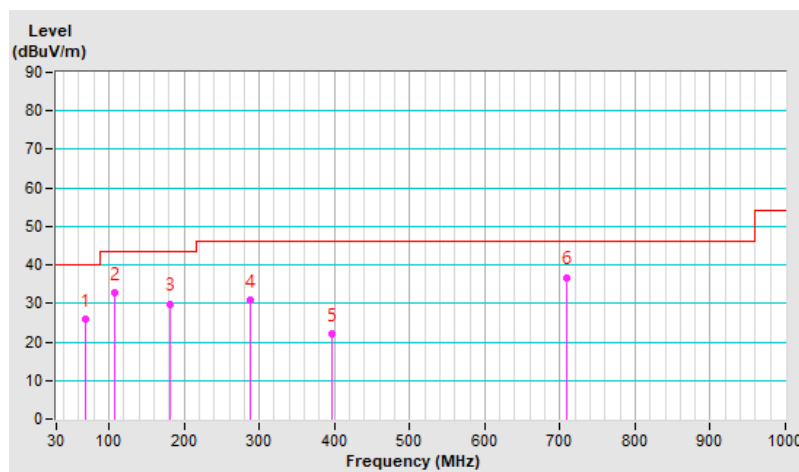
Mode A

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	68.22	25.9 QP	40.0	-14.1	3.00 H	259	40.6	-14.7
2	106.98	32.8 QP	43.5	-10.7	2.50 H	253	48.5	-15.7
3	181.08	29.9 QP	43.5	-13.6	1.50 H	238	44.2	-14.3
4	287.90	30.8 QP	46.0	-15.2	1.00 H	244	42.8	-12.0
5	397.29	22.0 QP	46.0	-24.0	2.50 H	288	31.3	-9.3
6	709.88	36.8 QP	46.0	-9.2	1.50 H	22	39.2	-2.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 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.

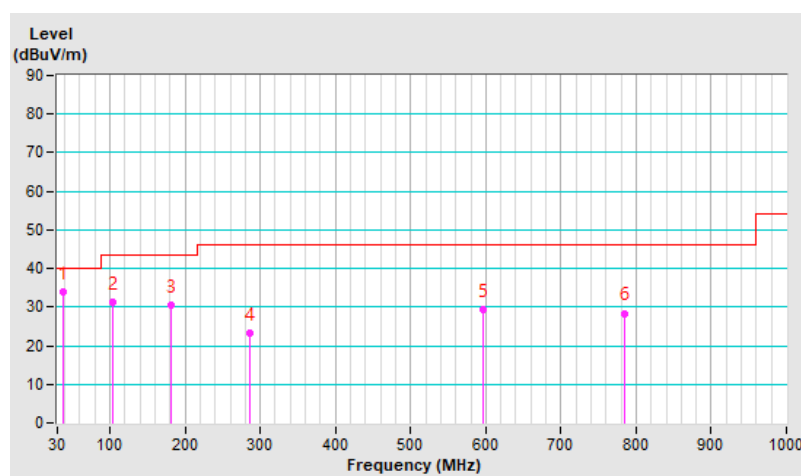


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.71	33.9 QP	40.0	-6.1	1.00 V	357	47.0	-13.1
2	102.95	31.3 QP	43.5	-12.2	1.00 V	254	47.8	-16.5
3	180.88	30.6 QP	43.5	-12.9	1.00 V	305	44.9	-14.3
4	285.27	23.1 QP	46.0	-22.9	1.00 V	209	35.2	-12.1
5	596.32	29.3 QP	46.0	-16.7	1.50 V	5	33.7	-4.4
6	784.10	28.4 QP	46.0	-17.6	2.50 V	7	29.5	-1.1

Remarks:

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



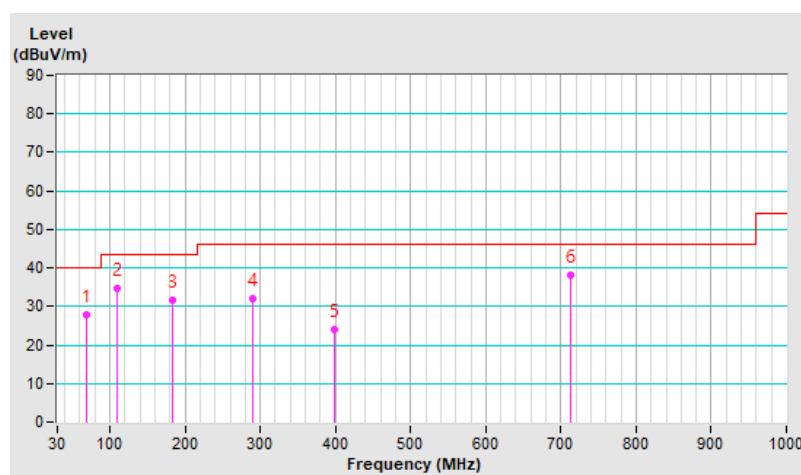
Mode B

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	69.72	27.8 QP	40.0	-12.2	3.00 H	261	42.8	-15.0
2	108.58	34.7 QP	43.5	-8.8	2.50 H	255	50.2	-15.5
3	182.78	31.5 QP	43.5	-12.0	1.50 H	240	45.9	-14.4
4	290.00	32.1 QP	46.0	-13.9	1.00 H	246	44.1	-12.0
5	399.09	24.0 QP	46.0	-22.0	2.50 H	290	33.2	-9.2
6	711.98	38.1 QP	46.0	-7.9	1.50 H	25	40.4	-2.3

Remarks:

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

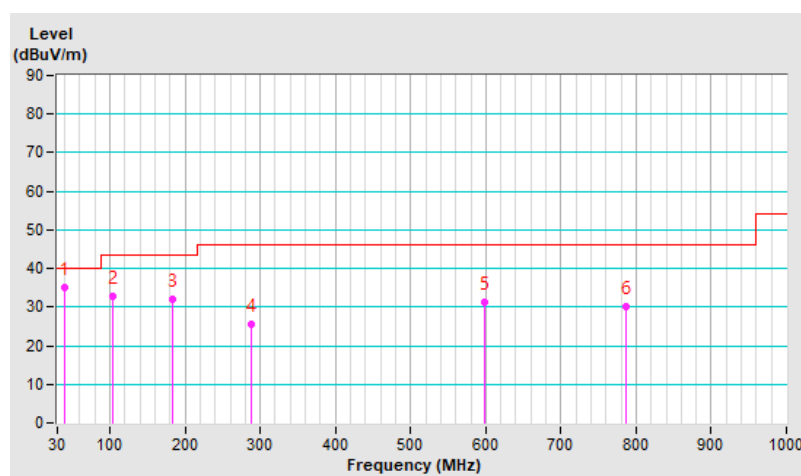


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67 % RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	39.11	35.1 QP	40.0	-4.9	1.00 V	359	48.1	-13.0
2	104.65	32.9 QP	43.5	-10.6	1.00 V	256	49.0	-16.1
3	183.08	32.1 QP	43.5	-11.4	1.00 V	307	46.6	-14.5
4	287.17	25.4 QP	46.0	-20.6	1.00 V	211	37.5	-12.1
5	598.92	31.2 QP	46.0	-14.8	1.50 V	3	35.6	-4.4
6	786.20	30.2 QP	46.0	-15.8	2.50 V	3	31.3	-1.1

Remarks:

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



7.9 Unwanted Emissions above 1 GHz

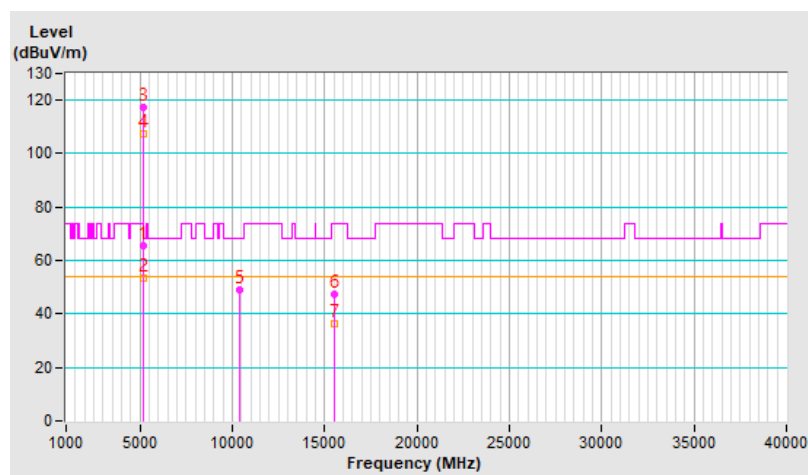
Mode A

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=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	65.7 PK	74.0	-8.3	1.73 H	281	62.6	3.1
2	5150.00	53.4 AV	54.0	-0.6	1.73 H	281	50.3	3.1
3	*5180.00	117.1 PK			1.73 H	281	114.3	2.8
4	*5180.00	107.6 AV			1.73 H	281	104.8	2.8
5	#10360.00	48.9 PK	68.2	-19.3	2.28 H	217	37.5	11.4
6	15540.00	47.4 PK	74.0	-26.6	1.47 H	314	35.8	11.6
7	15540.00	36.1 AV	54.0	-17.9	1.47 H	314	24.5	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.
6. " # ": The radiated frequency is out of the restricted band.

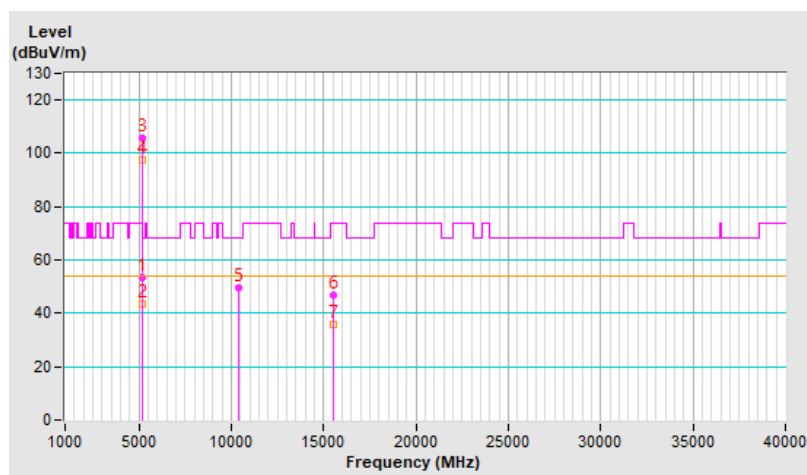


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.22 V	166	50.3	3.1
2	5150.00	43.5 AV	54.0	-10.5	1.22 V	166	40.4	3.1
3	*5180.00	105.6 PK			1.22 V	166	102.8	2.8
4	*5180.00	97.6 AV			1.22 V	166	94.8	2.8
5	#10360.00	49.6 PK	68.2	-18.6	2.27 V	225	38.2	11.4
6	15540.00	46.8 PK	74.0	-27.2	1.47 V	329	35.2	11.6
7	15540.00	35.7 AV	54.0	-18.3	1.47 V	329	24.1	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.

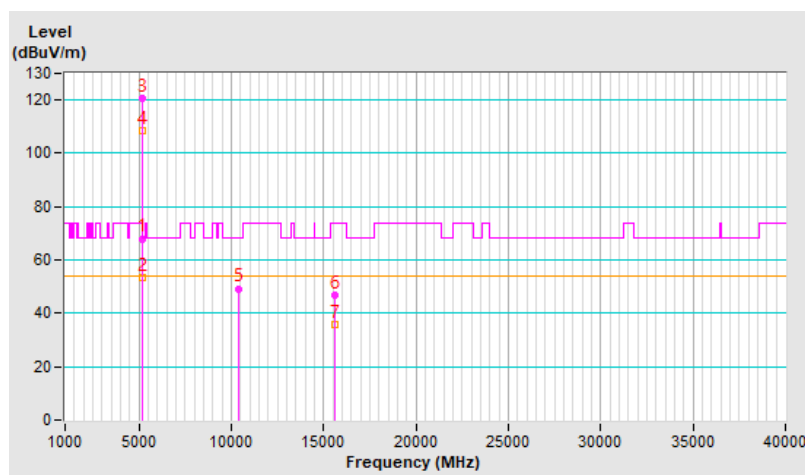


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	68.0 PK	74.0	-6.0	1.74 H	285	64.9	3.1
2	5150.00	53.5 AV	54.0	-0.5	1.74 H	285	50.4	3.1
3	*5200.00	120.5 PK			1.74 H	285	117.8	2.7
4	*5200.00	108.5 AV			1.74 H	285	105.8	2.7
5	#10400.00	49.3 PK	68.2	-18.9	2.23 H	222	37.6	11.7
6	15600.00	47.0 PK	74.0	-27.0	1.49 H	327	35.6	11.4
7	15600.00	35.8 AV	54.0	-18.2	1.49 H	327	24.4	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.

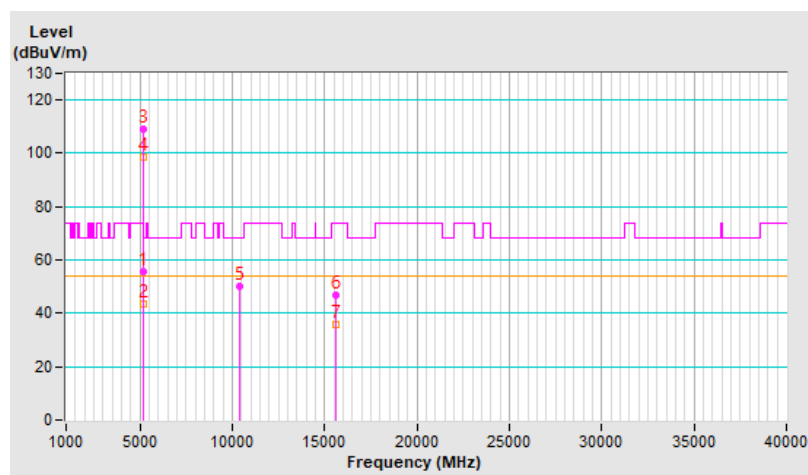


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.7 PK	74.0	-18.3	1.21 V	179	52.6	3.1
2	5150.00	43.6 AV	54.0	-10.4	1.21 V	179	40.5	3.1
3	*5200.00	109.0 PK			1.21 V	179	106.3	2.7
4	*5200.00	98.5 AV			1.21 V	179	95.8	2.7
5	#10400.00	50.3 PK	68.2	-17.9	1.24 V	224	38.6	11.7
6	15600.00	46.8 PK	74.0	-27.2	2.26 V	360	35.4	11.4
7	15600.00	35.6 AV	54.0	-18.4	2.26 V	360	24.2	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.

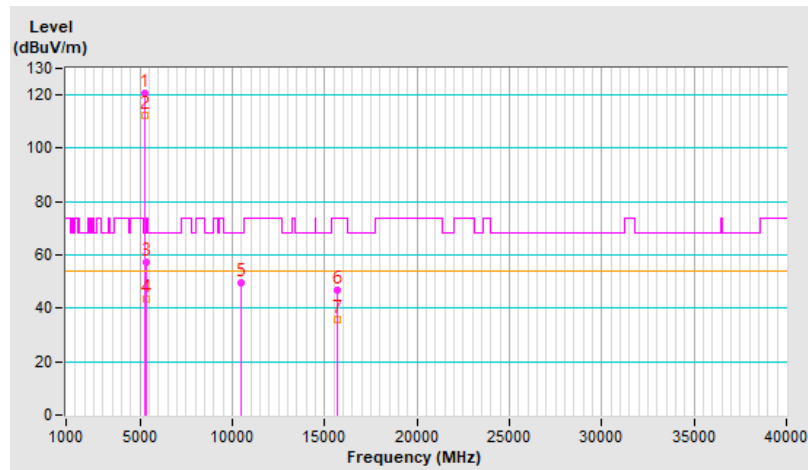


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	120.4 PK			1.76 H	289	117.9	2.5
2	*5240.00	112.5 AV			1.76 H	289	110.0	2.5
3	5350.00	57.5 PK	74.0	-16.5	1.76 H	289	54.6	2.9
4	5350.00	43.5 AV	54.0	-10.5	1.76 H	289	40.6	2.9
5	#10480.00	49.6 PK	68.2	-18.6	2.22 H	231	37.9	11.7
6	15720.00	47.0 PK	74.0	-27.0	1.53 H	336	34.9	12.1
7	15720.00	35.7 AV	54.0	-18.3	1.53 H	336	23.6	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.

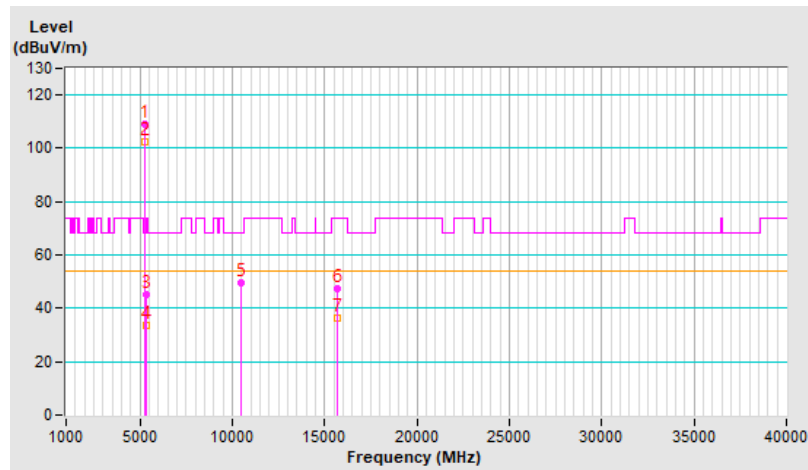


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	108.9 PK			1.20 V	166	106.4	2.5
2	*5240.00	102.5 AV			1.20 V	166	100.0	2.5
3	5350.00	45.2 PK	74.0	-28.8	1.20 V	166	42.3	2.9
4	5350.00	33.6 AV	54.0	-20.4	1.20 V	166	30.7	2.9
5	#10480.00	49.4 PK	68.2	-18.8	2.29 V	235	37.7	11.7
6	15720.00	47.5 PK	74.0	-26.5	1.48 V	331	35.4	12.1
7	15720.00	36.2 AV	54.0	-17.8	1.48 V	331	24.1	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.

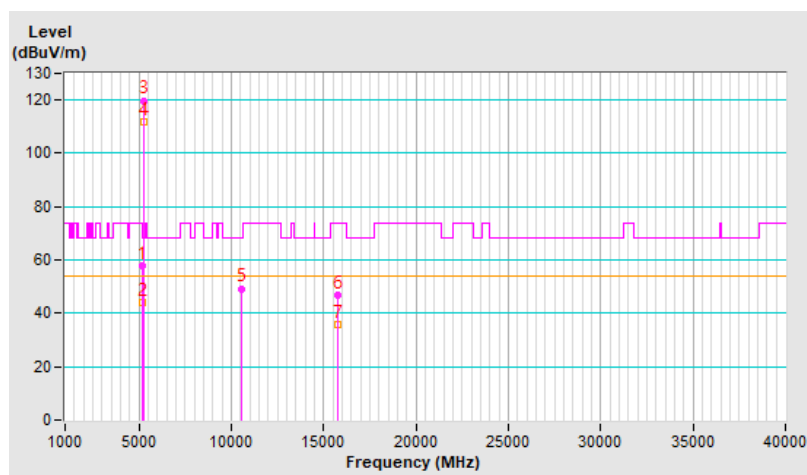


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	1.75 H	277	54.8	3.1
2	5150.00	44.0 AV	54.0	-10.0	1.75 H	277	40.9	3.1
3	*5260.00	119.8 PK			1.75 H	277	117.4	2.4
4	*5260.00	112.0 AV			1.75 H	277	109.6	2.4
5	#10520.00	49.3 PK	68.2	-18.9	2.17 H	210	37.5	11.8
6	15780.00	46.9 PK	74.0	-27.1	1.47 H	341	34.8	12.1
7	15780.00	36.0 AV	54.0	-18.0	1.47 H	341	23.9	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.

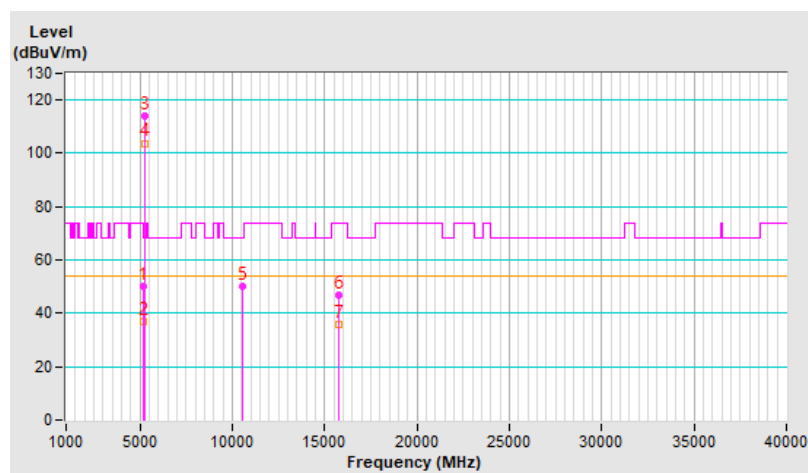


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.3 PK	74.0	-23.7	1.26 V	170	47.2	3.1
2	5150.00	37.0 AV	54.0	-17.0	1.26 V	170	33.9	3.1
3	*5260.00	114.1 PK			1.26 V	170	111.7	2.4
4	*5260.00	103.8 AV			1.26 V	170	101.4	2.4
5	#10520.00	50.2 PK	68.2	-18.0	2.31 V	214	38.4	11.8
6	15780.00	46.9 PK	74.0	-27.1	1.53 V	325	34.8	12.1
7	15780.00	35.7 AV	54.0	-18.3	1.53 V	325	23.6	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.

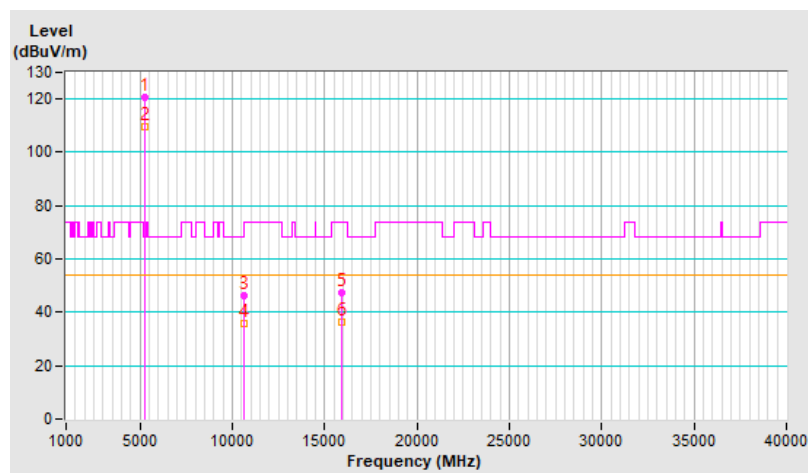


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	120.4 PK			1.76 H	296	118.0	2.4
2	*5300.00	109.8 AV			1.76 H	296	107.4	2.4
3	10600.00	46.2 PK	74.0	-27.8	1.50 H	1	34.4	11.8
4	10600.00	35.6 AV	54.0	-18.4	1.50 H	1	23.8	11.8
5	15900.00	47.2 PK	74.0	-26.8	1.52 H	360	35.6	11.6
6	15900.00	36.1 AV	54.0	-17.9	1.52 H	360	24.5	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.

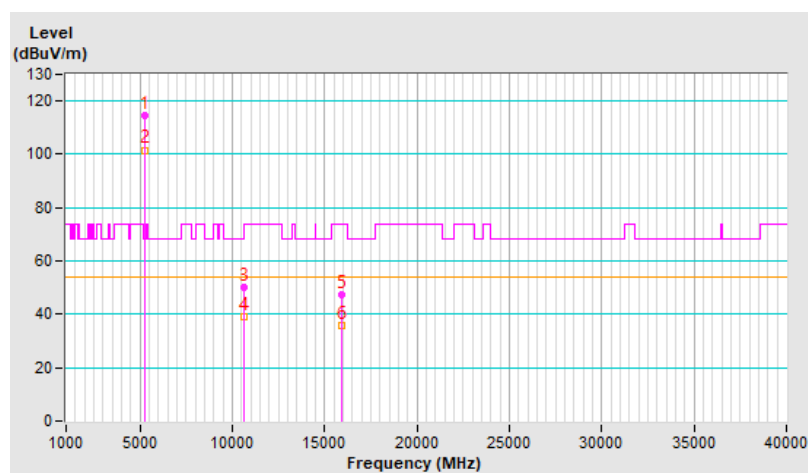


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	114.7 PK			1.27 V	159	112.3	2.4
2	*5300.00	101.6 AV			1.27 V	159	99.2	2.4
3	10600.00	50.3 PK	74.0	-23.7	2.31 V	232	38.5	11.8
4	10600.00	39.2 AV	54.0	-14.8	2.31 V	232	27.4	11.8
5	15900.00	47.2 PK	74.0	-26.8	1.49 V	326	35.6	11.6
6	15900.00	35.8 AV	54.0	-18.2	1.49 V	326	24.2	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.

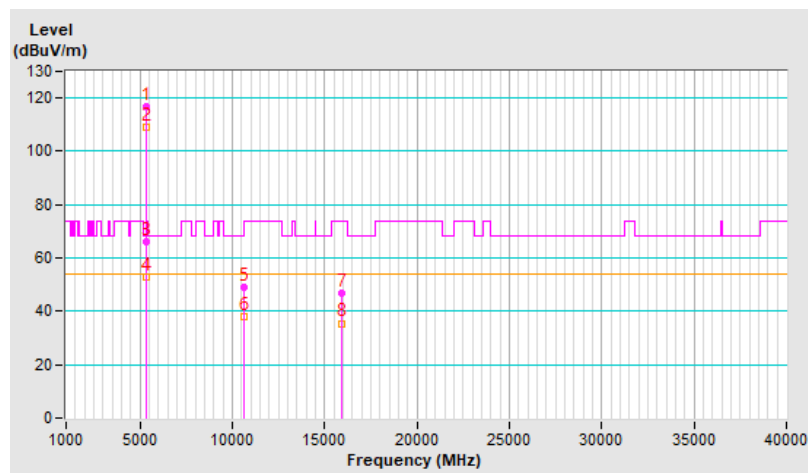


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	116.8 PK			1.79 H	288	114.2	2.6
2	*5320.00	108.9 AV			1.79 H	288	106.3	2.6
3	5350.00	65.9 PK	74.0	-8.1	1.79 H	288	63.0	2.9
4	5350.00	53.1 AV	54.0	-0.9	1.79 H	288	50.2	2.9
5	10640.00	49.2 PK	74.0	-24.8	2.18 H	220	37.3	11.9
6	10640.00	38.1 AV	54.0	-15.9	2.18 H	220	26.2	11.9
7	15960.00	46.7 PK	74.0	-27.3	1.49 H	314	35.2	11.5
8	15960.00	35.5 AV	54.0	-18.5	1.49 H	314	24.0	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.

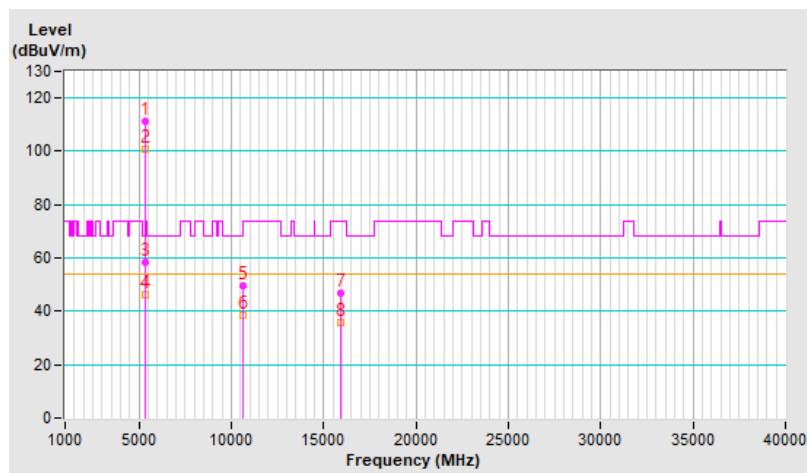


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.1 PK			2.48 V	360	108.5	2.6
2	*5320.00	100.7 AV			2.48 V	360	98.1	2.6
3	5350.00	58.3 PK	74.0	-15.7	2.48 V	360	55.4	2.9
4	5350.00	46.1 AV	54.0	-7.9	2.48 V	360	43.2	2.9
5	10640.00	49.5 PK	74.0	-24.5	2.21 V	221	37.6	11.9
6	10640.00	38.7 AV	54.0	-15.3	2.21 V	221	26.8	11.9
7	15960.00	47.0 PK	74.0	-27.0	1.45 V	330	35.5	11.5
8	15960.00	35.8 AV	54.0	-18.2	1.45 V	330	24.3	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.

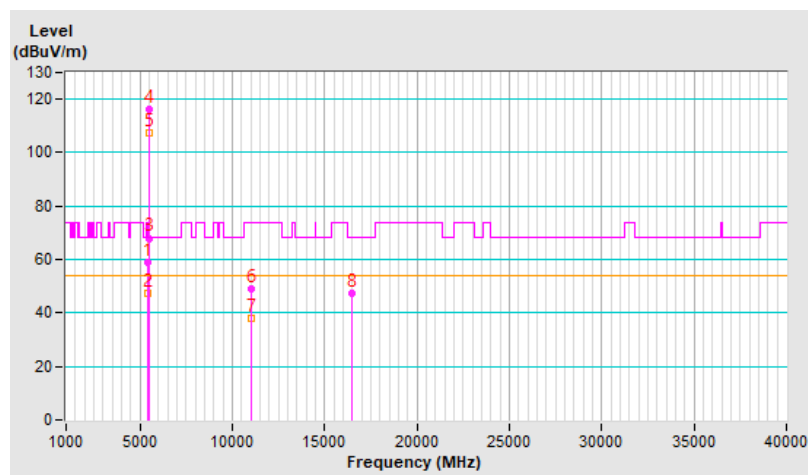


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.68 H	292	55.7	3.0
2	5460.00	47.5 AV	54.0	-6.5	1.68 H	292	44.5	3.0
3	#5470.00	68.0 PK	68.2	-0.2	1.68 H	292	65.0	3.0
4	*5500.00	116.2 PK			1.68 H	292	113.3	2.9
5	*5500.00	107.5 AV			1.68 H	292	104.6	2.9
6	11000.00	48.8 PK	74.0	-25.2	2.27 H	218	36.3	12.5
7	11000.00	38.1 AV	54.0	-15.9	2.27 H	218	25.6	12.5
8	#16500.00	47.5 PK	68.2	-20.7	1.44 H	333	33.0	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.

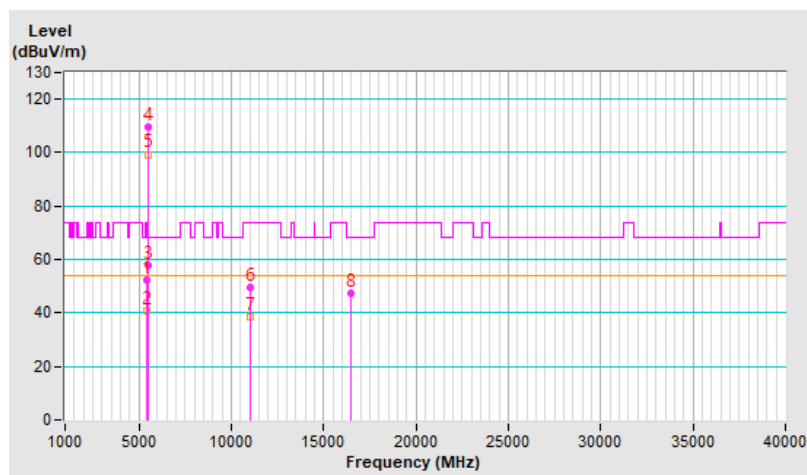


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	2.91 V	360	49.3	3.0
2	5460.00	40.8 AV	54.0	-13.2	2.91 V	360	37.8	3.0
3	#5470.00	57.8 PK	68.2	-10.4	2.91 V	360	54.8	3.0
4	*5500.00	109.5 PK			2.91 V	360	106.6	2.9
5	*5500.00	99.4 AV			2.91 V	360	96.5	2.9
6	11000.00	49.5 PK	74.0	-24.5	2.22 V	237	37.0	12.5
7	11000.00	38.4 AV	54.0	-15.6	2.22 V	237	25.9	12.5
8	#16500.00	47.3 PK	68.2	-20.9	1.47 V	325	32.8	14.5

Remarks:

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

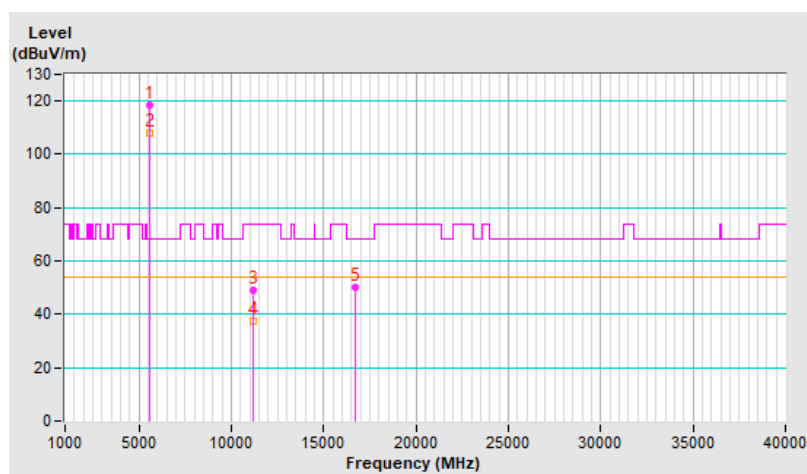


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	118.3 PK			1.46 H	289	115.4	2.9
2	*5580.00	107.8 AV			1.46 H	289	104.9	2.9
3	11160.00	49.0 PK	74.0	-25.0	1.48 H	14	36.8	12.2
4	11160.00	37.2 AV	54.0	-16.8	1.48 H	14	25.0	12.2
5	#16740.00	50.1 PK	68.2	-18.1	1.00 H	194	35.5	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.

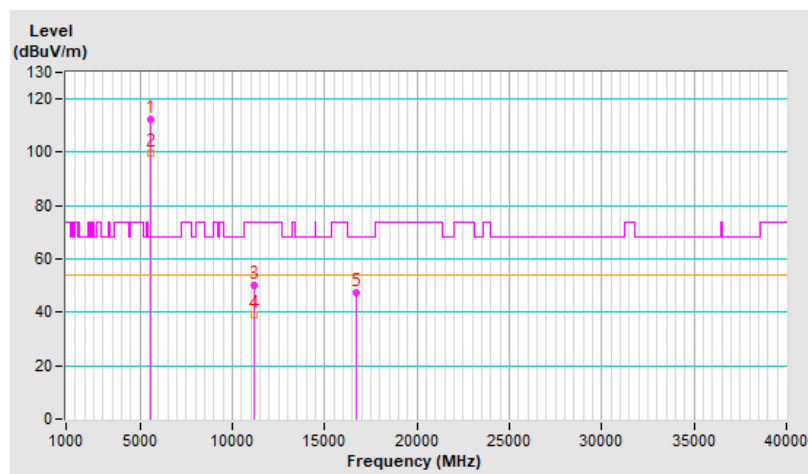


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.6 PK			2.87 V	360	109.7	2.9
2	*5580.00	99.6 AV			2.87 V	360	96.7	2.9
3	11160.00	49.9 PK	74.0	-24.1	2.34 V	239	37.7	12.2
4	11160.00	38.9 AV	54.0	-15.1	2.34 V	239	26.7	12.2
5	#16740.00	47.1 PK	68.2	-21.1	1.53 V	326	32.5	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.

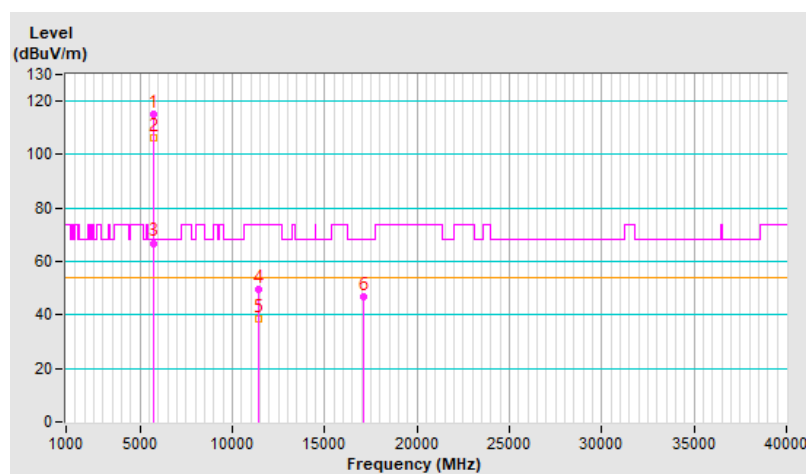


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	115.3 PK			2.81 H	278	112.1	3.2
2	*5700.00	106.4 AV			2.81 H	278	103.2	3.2
3	#5725.00	66.9 PK	68.2	-1.3	2.81 H	278	63.5	3.4
4	11400.00	49.6 PK	74.0	-24.4	2.22 H	235	37.3	12.3
5	11400.00	38.7 AV	54.0	-15.3	2.22 H	235	26.4	12.3
6	#17100.00	47.0 PK	68.2	-21.2	1.45 H	314	29.8	17.2

Remarks:

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

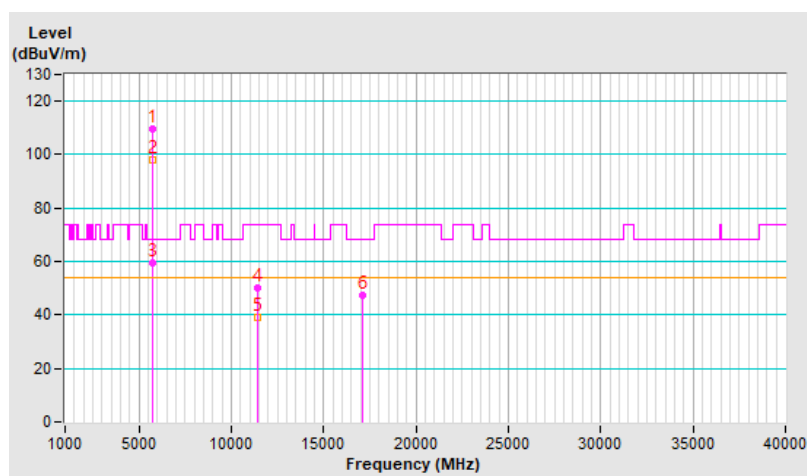


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	109.6 PK			2.88 V	360	106.4	3.2
2	*5700.00	98.2 AV			2.88 V	360	95.0	3.2
3	#5725.00	59.3 PK	68.2	-8.9	2.88 V	360	55.9	3.4
4	11400.00	50.0 PK	74.0	-24.0	2.29 V	216	37.7	12.3
5	11400.00	39.0 AV	54.0	-15.0	2.29 V	216	26.7	12.3
6	#17100.00	47.6 PK	68.2	-20.6	1.52 V	309	30.4	17.2

Remarks:

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

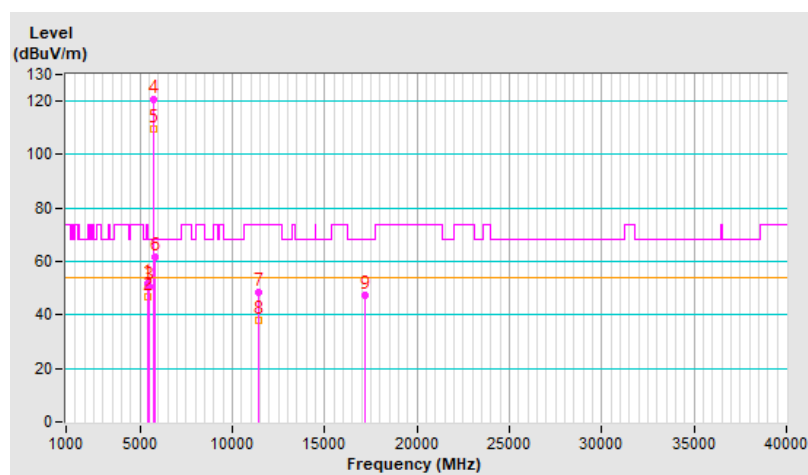


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.6 PK	74.0	-22.4	2.81 H	284	48.6	3.0
2	5460.00	46.9 AV	54.0	-7.1	2.81 H	284	43.9	3.0
3	#5470.00	50.8 PK	68.2	-17.4	2.81 H	284	47.8	3.0
4	*5720.00	120.4 PK			2.81 H	284	117.1	3.3
5	*5720.00	109.4 AV			2.81 H	284	106.1	3.3
6	#5850.00	61.6 PK	68.2	-6.6	2.81 H	284	57.8	3.8
7	11440.00	48.7 PK	74.0	-25.3	2.23 H	212	36.3	12.4
8	11440.00	38.0 AV	54.0	-16.0	2.23 H	212	25.6	12.4
9	#17160.00	47.5 PK	68.2	-20.7	1.51 H	338	30.4	17.1

Remarks:

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

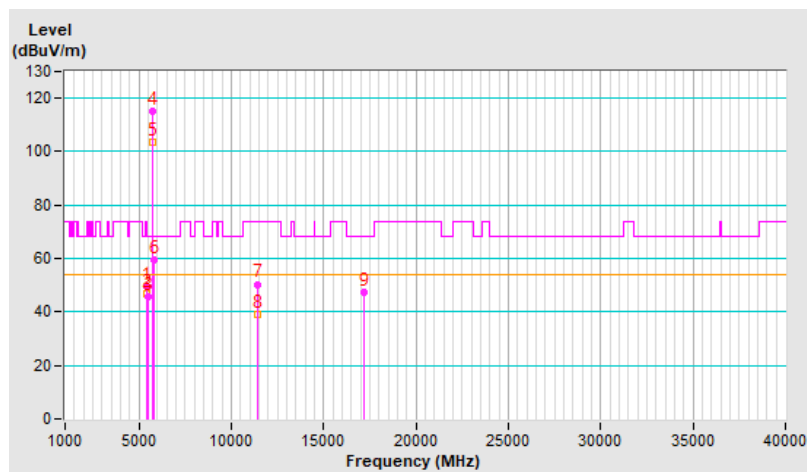


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	49.7 PK	74.0	-24.3	2.87 V	360	46.7	3.0
2	5460.00	46.9 AV	54.0	-7.1	2.87 V	360	43.9	3.0
3	#5470.00	45.5 PK	68.2	-22.7	2.87 V	360	42.5	3.0
4	*5720.00	115.1 PK			2.87 V	360	111.8	3.3
5	*5720.00	103.5 AV			2.87 V	360	100.2	3.3
6	#5850.00	59.7 PK	68.2	-8.5	2.87 V	360	55.9	3.8
7	11440.00	50.4 PK	74.0	-23.6	2.33 V	237	38.0	12.4
8	11440.00	39.1 AV	54.0	-14.9	2.33 V	237	26.7	12.4
9	#17160.00	47.3 PK	68.2	-20.9	1.51 V	307	30.2	17.1

Remarks:

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

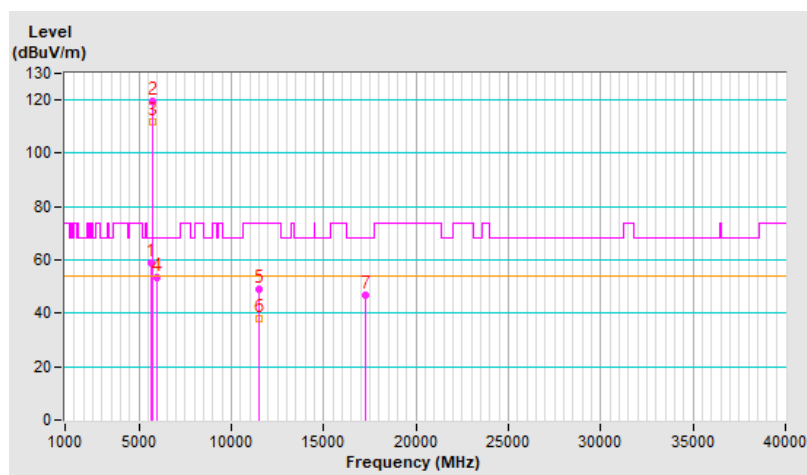


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.89	59.1 PK	68.2	-9.1	2.83 H	281	56.1	3.0
2	*5745.00	119.5 PK			2.83 H	281	116.0	3.5
3	*5745.00	111.6 AV			2.83 H	281	108.1	3.5
4	#5944.17	53.4 PK	68.2	-14.8	2.83 H	281	49.8	3.6
5	11490.00	48.8 PK	74.0	-25.2	2.27 H	207	36.4	12.4
6	11490.00	38.0 AV	54.0	-16.0	2.27 H	207	25.6	12.4
7	#17235.00	46.8 PK	68.2	-21.4	1.50 H	341	29.6	17.2

Remarks:

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

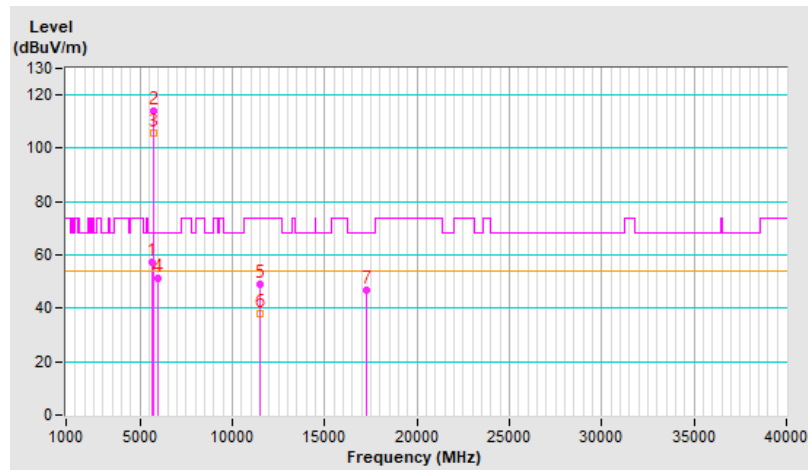


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.76	57.2 PK	68.2	-11.0	2.81 V	13	54.1	3.1
2	*5745.00	114.2 PK			2.81 V	13	110.7	3.5
3	*5745.00	105.7 AV			2.81 V	13	102.2	3.5
4	#5946.55	51.0 PK	68.2	-17.2	2.81 V	13	47.4	3.6
5	11490.00	48.9 PK	74.0	-25.1	2.21 V	210	36.5	12.4
6	11490.00	37.9 AV	54.0	-16.1	2.21 V	210	25.5	12.4
7	#17235.00	47.0 PK	68.2	-21.2	1.49 V	314	29.8	17.2

Remarks:

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

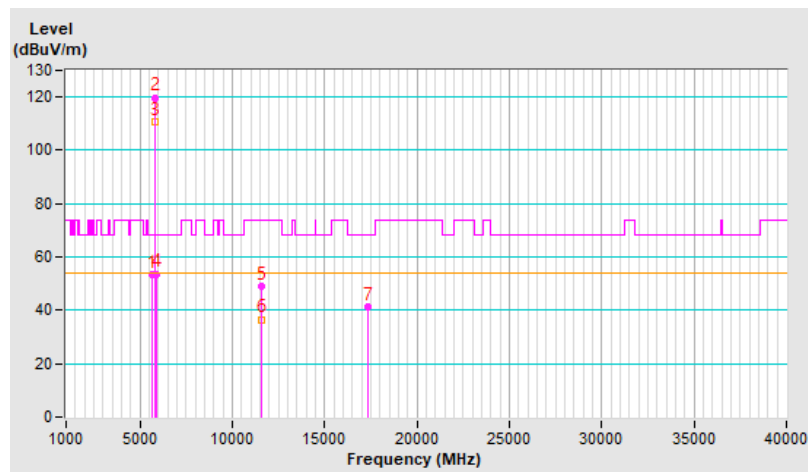


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.26	53.2 PK	68.2	-15.0	3.51 H	275	50.1	3.1
2	*5785.00	119.8 PK			3.51 H	275	116.2	3.6
3	*5785.00	110.9 AV			3.51 H	275	107.3	3.6
4	#5932.30	53.7 PK	68.2	-14.5	3.51 H	275	50.1	3.6
5	11570.00	49.2 PK	74.0	-24.8	1.46 H	1	36.9	12.3
6	11570.00	36.6 AV	54.0	-17.4	1.46 H	1	24.3	12.3
7	#17355.00	41.3 PK	68.2	-26.9	1.11 H	225	24.0	17.3

Remarks:

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

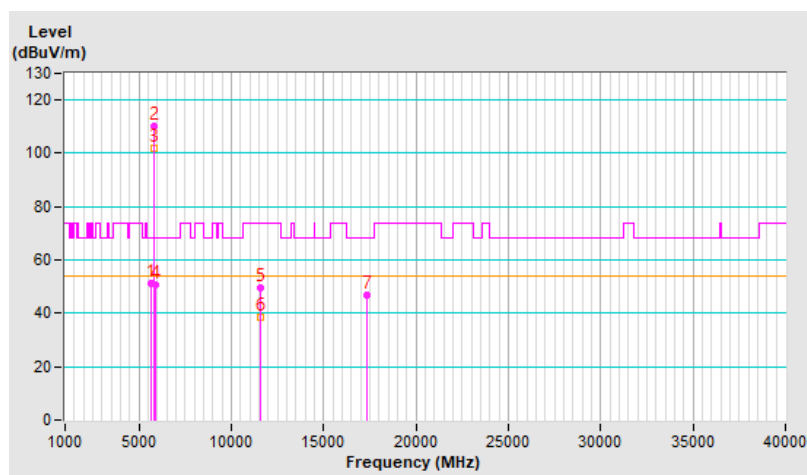


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.06	51.2 PK	68.2	-17.0	2.83 V	18	48.2	3.0
2	*5785.00	110.2 PK			2.83 V	18	106.6	3.6
3	*5785.00	101.8 AV			2.83 V	18	98.2	3.6
4	#5931.54	50.5 PK	68.2	-17.7	2.83 V	18	46.9	3.6
5	11570.00	49.7 PK	74.0	-24.3	2.27 V	217	37.4	12.3
6	11570.00	38.6 AV	54.0	-15.4	2.27 V	217	26.3	12.3
7	#17355.00	46.7 PK	68.2	-21.5	1.44 V	333	29.4	17.3

Remarks:

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

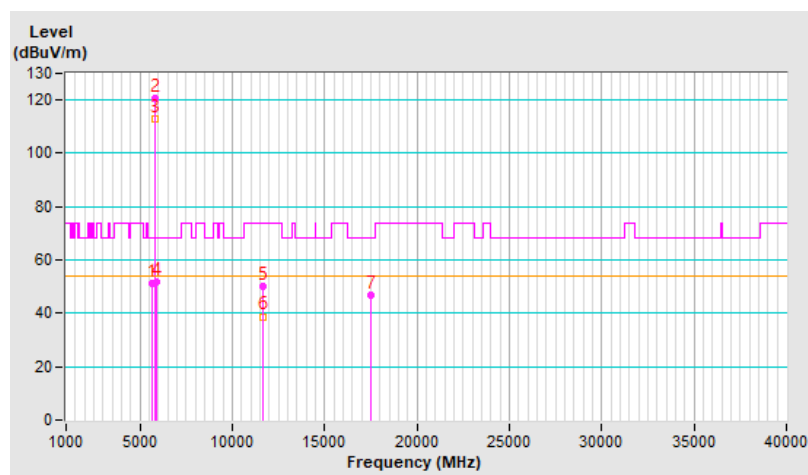


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.65	51.4 PK	68.2	-16.8	3.32 H	289	48.4	3.0
2	*5825.00	120.6 PK			3.32 H	289	116.9	3.7
3	*5825.00	112.7 AV			3.32 H	289	109.0	3.7
4	#5924.31	51.8 PK	68.2	-16.4	3.32 H	289	48.2	3.6
5	11650.00	50.0 PK	74.0	-24.0	2.24 H	226	38.1	11.9
6	11650.00	38.8 AV	54.0	-15.2	2.24 H	226	26.9	11.9
7	#17475.00	46.7 PK	68.2	-21.5	1.54 H	336	28.7	18.0

Remarks:

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

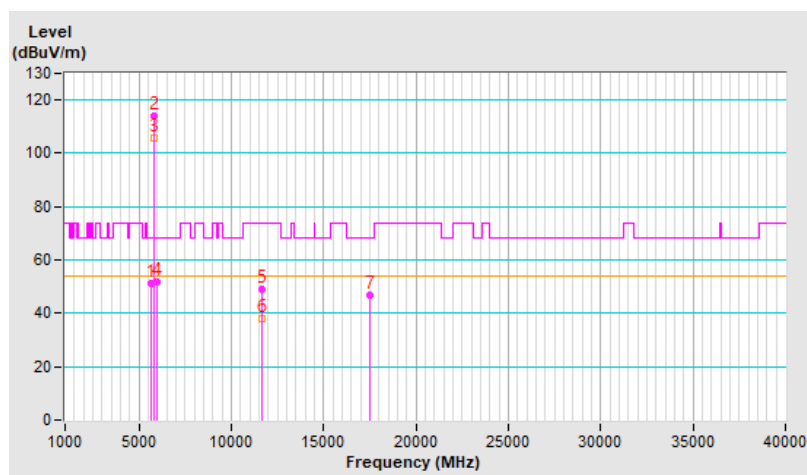


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.95	51.2 PK	68.2	-17.0	2.93 V	360	48.1	3.1
2	*5825.00	114.2 PK			2.93 V	360	110.5	3.7
3	*5825.00	105.8 AV			2.93 V	360	102.1	3.7
4	#5951.70	51.7 PK	68.2	-16.5	2.93 V	360	48.1	3.6
5	11650.00	49.2 PK	74.0	-24.8	2.27 V	232	37.3	11.9
6	11650.00	38.2 AV	54.0	-15.8	2.27 V	232	26.3	11.9
7	#17475.00	47.0 PK	68.2	-21.2	1.50 V	314	29.0	18.0

Remarks:

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

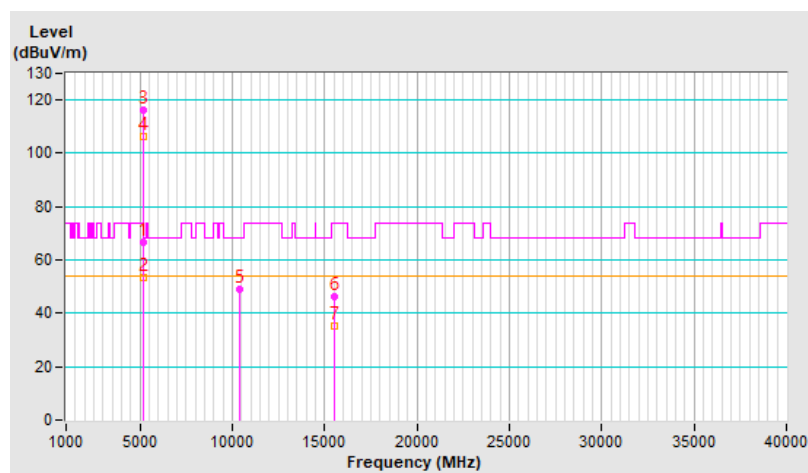


RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.7 PK	74.0	-7.3	1.76 H	283	63.6	3.1
2	5150.00	53.4 AV	54.0	-0.6	1.76 H	283	50.3	3.1
3	*5180.00	116.3 PK			1.76 H	283	113.5	2.8
4	*5180.00	106.2 AV			1.76 H	283	103.4	2.8
5	#10360.00	48.8 PK	68.2	-19.4	2.29 H	216	37.4	11.4
6	15540.00	46.4 PK	74.0	-27.6	1.55 H	324	34.8	11.6
7	15540.00	35.4 AV	54.0	-18.6	1.55 H	324	23.8	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.
6. " # ": The radiated frequency is out of the restricted band.

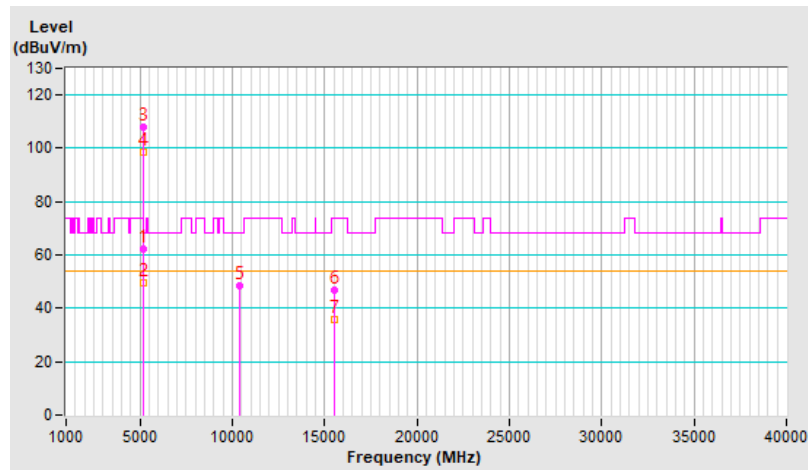


RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.4 PK	74.0	-11.6	1.28 V	169	59.3	3.1
2	5150.00	49.6 AV	54.0	-4.4	1.28 V	169	46.5	3.1
3	*5180.00	107.7 PK			1.28 V	169	104.9	2.8
4	*5180.00	98.5 AV			1.28 V	169	95.7	2.8
5	#10360.00	48.6 PK	68.2	-19.6	2.24 V	233	37.2	11.4
6	15540.00	46.8 PK	74.0	-27.2	1.53 V	313	35.2	11.6
7	15540.00	35.9 AV	54.0	-18.1	1.53 V	313	24.3	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.

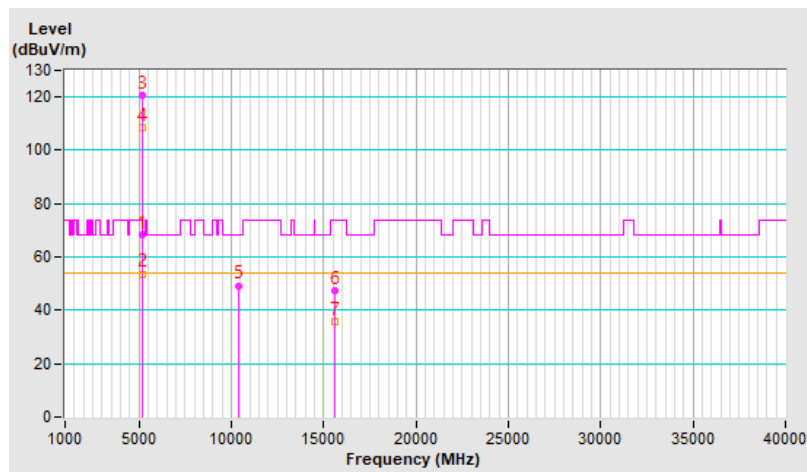


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.75 H	295	65.4	3.1
2	5150.00	53.7 AV	54.0	-0.3	1.75 H	295	50.6	3.1
3	*5200.00	120.6 PK			1.75 H	295	117.9	2.7
4	*5200.00	108.7 AV			1.75 H	295	106.0	2.7
5	#10400.00	49.3 PK	68.2	-18.9	2.26 H	233	37.6	11.7
6	15600.00	47.4 PK	74.0	-26.6	1.44 H	342	36.0	11.4
7	15600.00	35.9 AV	54.0	-18.1	1.44 H	342	24.5	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.

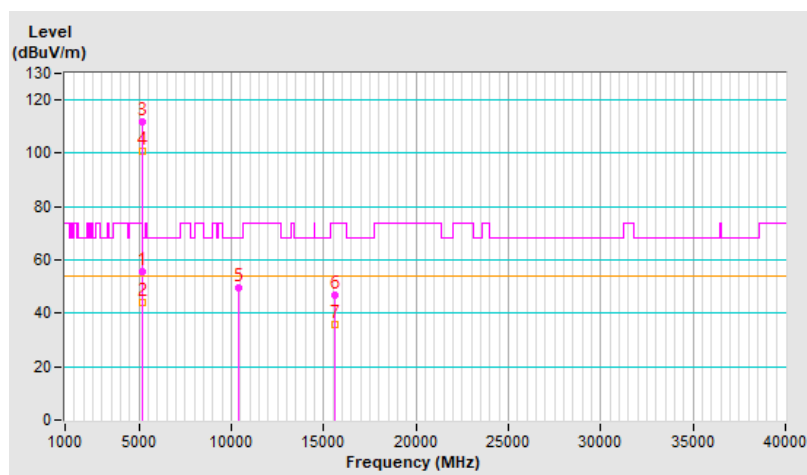


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.8 PK	74.0	-18.2	1.25 V	179	52.7	3.1
2	5150.00	43.8 AV	54.0	-10.2	1.25 V	179	40.7	3.1
3	*5200.00	112.0 PK			1.25 V	179	109.3	2.7
4	*5200.00	101.0 AV			1.25 V	179	98.3	2.7
5	#10400.00	49.7 PK	68.2	-18.5	2.30 V	218	38.0	11.7
6	15600.00	46.8 PK	74.0	-27.2	1.52 V	333	35.4	11.4
7	15600.00	35.8 AV	54.0	-18.2	1.52 V	333	24.4	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.

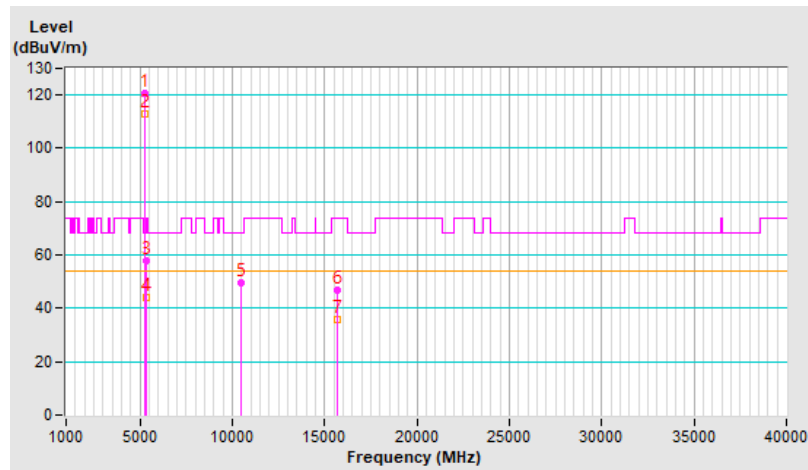


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	120.8 PK			1.71 H	280	118.3	2.5
2	*5240.00	112.7 AV			1.71 H	280	110.2	2.5
3	5350.00	57.9 PK	74.0	-16.1	1.71 H	280	55.0	2.9
4	5350.00	43.9 AV	54.0	-10.1	1.71 H	280	41.0	2.9
5	#10480.00	49.5 PK	68.2	-18.7	2.24 H	208	37.8	11.7
6	15720.00	47.0 PK	74.0	-27.0	1.44 H	326	34.9	12.1
7	15720.00	36.0 AV	54.0	-18.0	1.44 H	326	23.9	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.

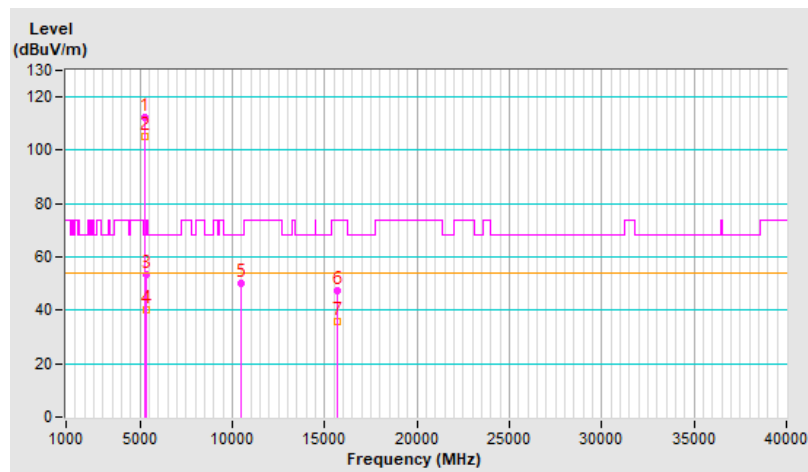


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.2 PK			1.29 V	154	109.7	2.5
2	*5240.00	105.0 AV			1.29 V	154	102.5	2.5
3	5350.00	53.6 PK	74.0	-20.4	1.29 V	154	50.7	2.9
4	5350.00	40.1 AV	54.0	-13.9	1.29 V	154	37.2	2.9
5	#10480.00	50.0 PK	68.2	-18.2	2.25 V	232	38.3	11.7
6	15720.00	47.2 PK	74.0	-26.8	1.53 V	323	35.1	12.1
7	15720.00	36.0 AV	54.0	-18.0	1.53 V	323	23.9	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.

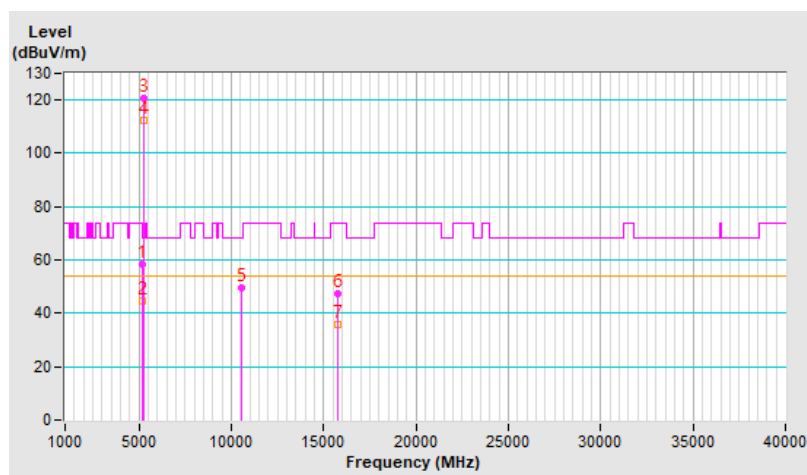


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	1.73 H	292	55.4	3.1
2	5150.00	44.4 AV	54.0	-9.6	1.73 H	292	41.3	3.1
3	*5260.00	120.6 PK			1.73 H	292	118.2	2.4
4	*5260.00	112.3 AV			1.73 H	292	109.9	2.4
5	#10520.00	49.6 PK	68.2	-18.6	2.21 H	216	37.8	11.8
6	15780.00	47.3 PK	74.0	-26.7	1.54 H	342	35.2	12.1
7	15780.00	35.9 AV	54.0	-18.1	1.54 H	342	23.8	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.

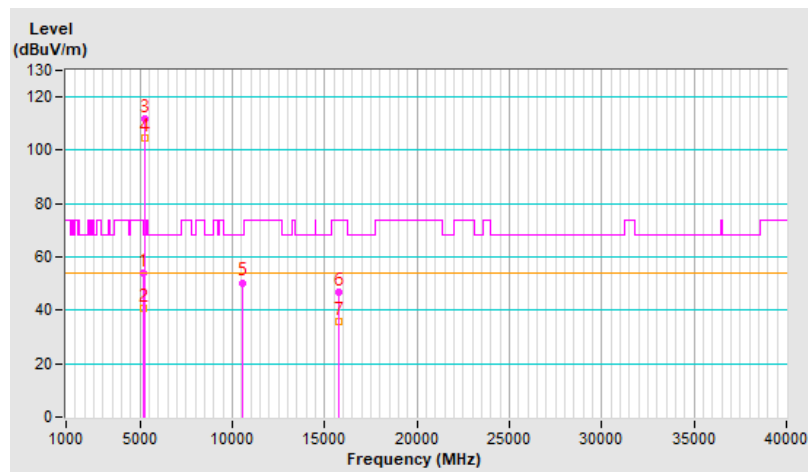


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.29 V	146	51.1	3.1
2	5150.00	40.6 AV	54.0	-13.4	1.29 V	146	37.5	3.1
3	*5260.00	112.0 PK			1.29 V	146	109.6	2.4
4	*5260.00	104.6 AV			1.29 V	146	102.2	2.4
5	#10520.00	50.4 PK	68.2	-17.8	2.33 V	236	38.6	11.8
6	15780.00	46.9 PK	74.0	-27.1	1.46 V	317	34.8	12.1
7	15780.00	35.9 AV	54.0	-18.1	1.46 V	317	23.8	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.

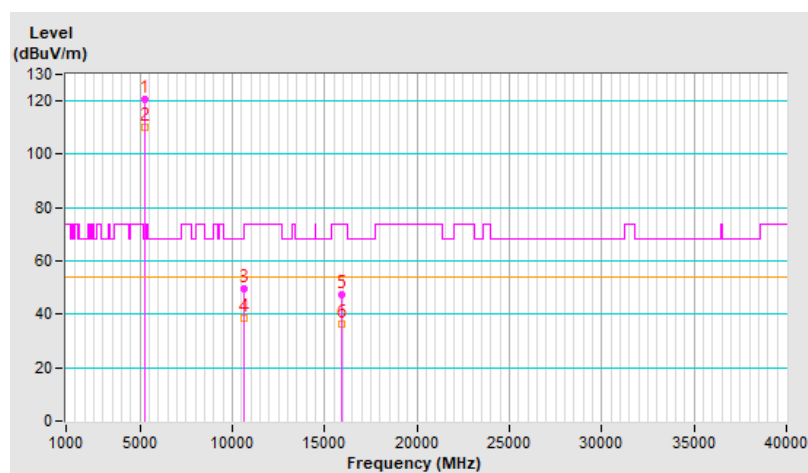


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	120.5 PK			1.73 H	308	118.1	2.4
2	*5300.00	110.0 AV			1.73 H	308	107.6	2.4
3	10600.00	49.5 PK	74.0	-24.5	2.28 H	225	37.7	11.8
4	10600.00	38.6 AV	54.0	-15.4	2.28 H	225	26.8	11.8
5	15900.00	47.6 PK	74.0	-26.4	1.49 H	320	36.0	11.6
6	15900.00	36.3 AV	54.0	-17.7	1.49 H	320	24.7	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.

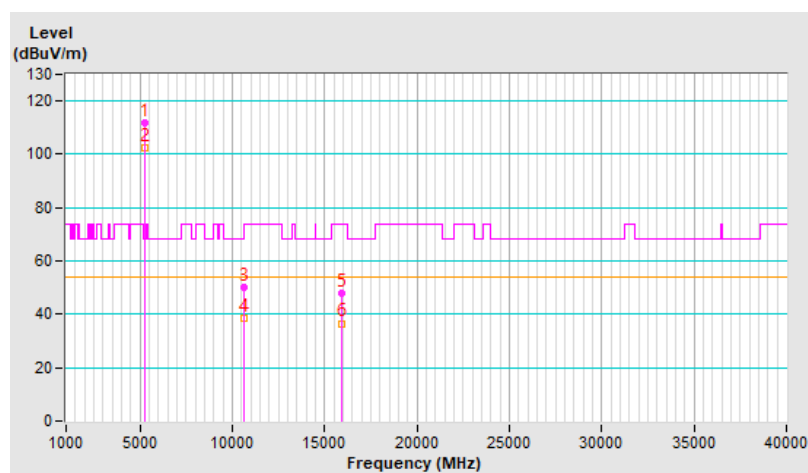


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.9 PK			2.49 V	23	109.5	2.4
2	*5300.00	102.3 AV			2.49 V	23	99.9	2.4
3	10600.00	50.0 PK	74.0	-24.0	2.24 V	226	38.2	11.8
4	10600.00	38.7 AV	54.0	-15.3	2.24 V	226	26.9	11.8
5	15900.00	47.7 PK	74.0	-26.3	1.50 V	308	36.1	11.6
6	15900.00	36.6 AV	54.0	-17.4	1.50 V	308	25.0	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.

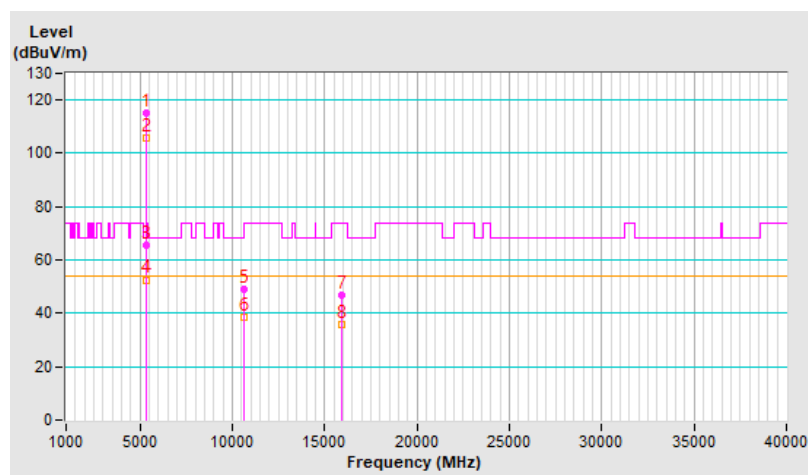


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.3 PK			1.75 H	296	112.7	2.6
2	*5320.00	105.7 AV			1.75 H	296	103.1	2.6
3	5350.00	65.6 PK	74.0	-8.4	1.75 H	296	62.7	2.9
4	5350.00	52.6 AV	54.0	-1.4	1.75 H	296	49.7	2.9
5	10640.00	49.0 PK	74.0	-25.0	2.19 H	226	37.1	11.9
6	10640.00	38.3 AV	54.0	-15.7	2.19 H	226	26.4	11.9
7	15960.00	46.6 PK	74.0	-27.4	1.50 H	341	35.1	11.5
8	15960.00	35.6 AV	54.0	-18.4	1.50 H	341	24.1	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.

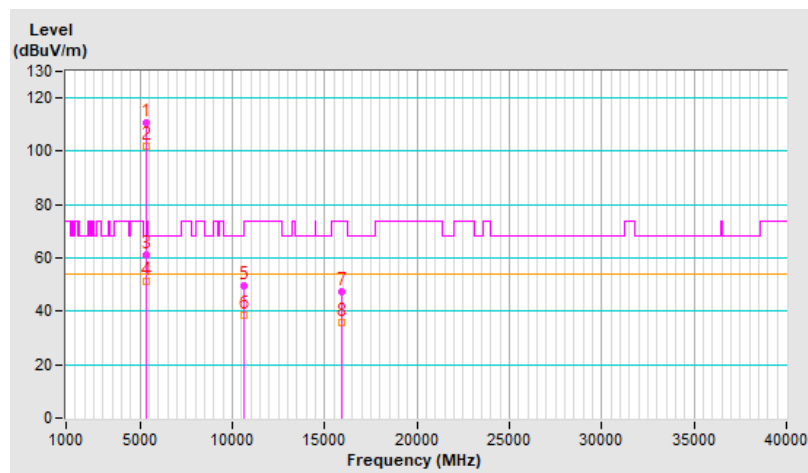


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.5 PK			2.48 V	14	107.9	2.6
2	*5320.00	101.8 AV			2.48 V	14	99.2	2.6
3	5350.00	60.9 PK	74.0	-13.1	2.48 V	14	58.0	2.9
4	5350.00	51.0 AV	54.0	-3.0	2.48 V	14	48.1	2.9
5	10640.00	49.8 PK	74.0	-24.2	2.24 V	233	37.9	11.9
6	10640.00	38.7 AV	54.0	-15.3	2.24 V	233	26.8	11.9
7	15960.00	47.1 PK	74.0	-26.9	1.48 V	331	35.6	11.5
8	15960.00	35.7 AV	54.0	-18.3	1.48 V	331	24.2	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.

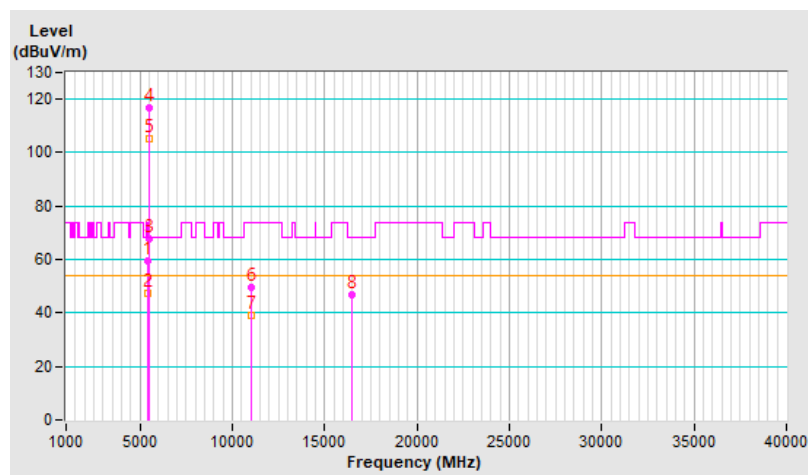


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.25 H	283	56.3	3.0
2	5460.00	47.2 AV	54.0	-6.8	2.25 H	283	44.2	3.0
3	#5470.00	67.8 PK	68.2	-0.4	2.25 H	283	64.8	3.0
4	*5500.00	116.8 PK			2.25 H	283	113.9	2.9
5	*5500.00	105.1 AV			2.25 H	283	102.2	2.9
6	11000.00	49.6 PK	74.0	-24.4	2.18 H	234	37.1	12.5
7	11000.00	38.9 AV	54.0	-15.1	2.18 H	234	26.4	12.5
8	#16500.00	47.0 PK	68.2	-21.2	1.52 H	312	32.5	14.5

Remarks:

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

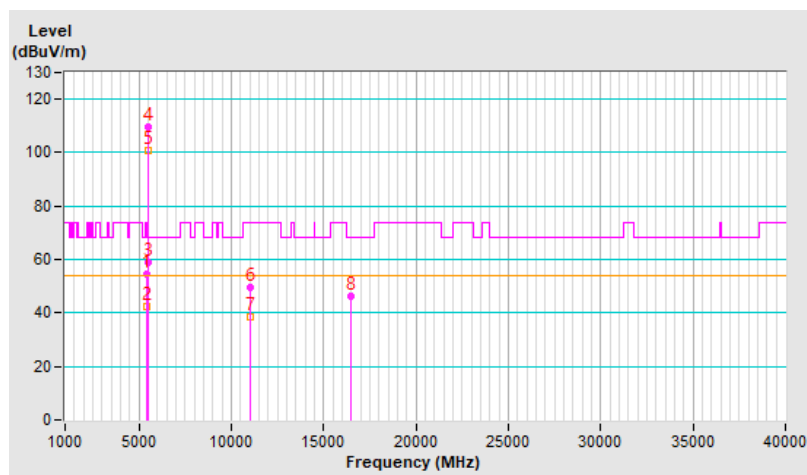


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	54.6 PK	74.0	-19.4	2.79 V	16	51.6	3.0
2	5460.00	42.6 AV	54.0	-11.4	2.79 V	16	39.6	3.0
3	#5470.00	59.1 PK	68.2	-9.1	2.79 V	16	56.1	3.0
4	*5500.00	109.7 PK			2.79 V	16	106.8	2.9
5	*5500.00	100.8 AV			2.79 V	16	97.9	2.9
6	11000.00	49.5 PK	74.0	-24.5	2.27 V	220	37.0	12.5
7	11000.00	38.7 AV	54.0	-15.3	2.27 V	220	26.2	12.5
8	#16500.00	46.3 PK	68.2	-21.9	1.55 V	323	31.8	14.5

Remarks:

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

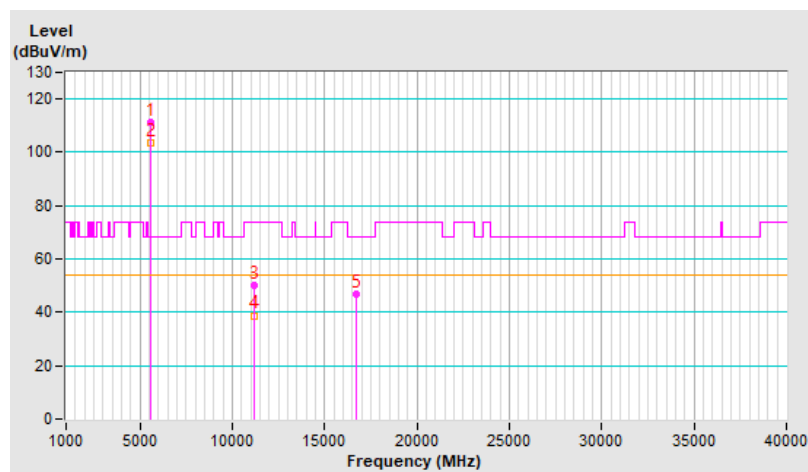


RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.2 PK			2.42 V	24	108.3	2.9
2	*5580.00	103.5 AV			2.42 V	24	100.6	2.9
3	11160.00	49.9 PK	74.0	-24.1	2.30 V	234	37.7	12.2
4	11160.00	38.8 AV	54.0	-15.2	2.30 V	234	26.6	12.2
5	#16740.00	47.0 PK	68.2	-21.2	1.51 V	315	32.4	14.6

Remarks:

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

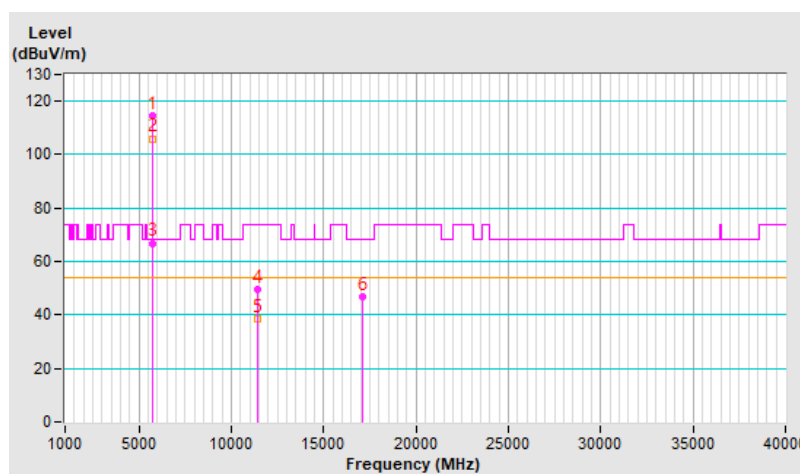


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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			2.84 H	262	111.6	3.2
2	*5700.00	106.0 AV			2.84 H	262	102.8	3.2
3	#5725.00	66.9 PK	68.2	-1.3	2.80 H	263	63.5	3.4
4	11400.00	49.8 PK	74.0	-24.2	2.26 H	212	37.5	12.3
5	11400.00	38.7 AV	54.0	-15.3	2.26 H	212	26.4	12.3
6	#17100.00	46.8 PK	68.2	-21.4	1.53 H	324	29.6	17.2

Remarks:

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

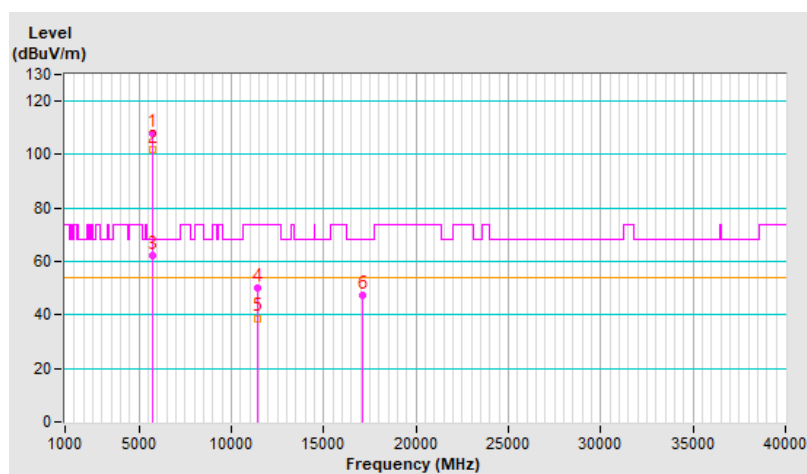


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	107.7 PK			2.93 V	12	104.5	3.2
2	*5700.00	101.7 AV			2.93 V	12	98.5	3.2
3	#5725.00	62.2 PK	68.2	-6.0	2.93 V	12	58.8	3.4
4	11400.00	50.0 PK	74.0	-24.0	2.25 V	238	37.7	12.3
5	11400.00	38.8 AV	54.0	-15.2	2.25 V	238	26.5	12.3
6	#17100.00	47.1 PK	68.2	-21.1	1.48 V	332	29.9	17.2

Remarks:

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

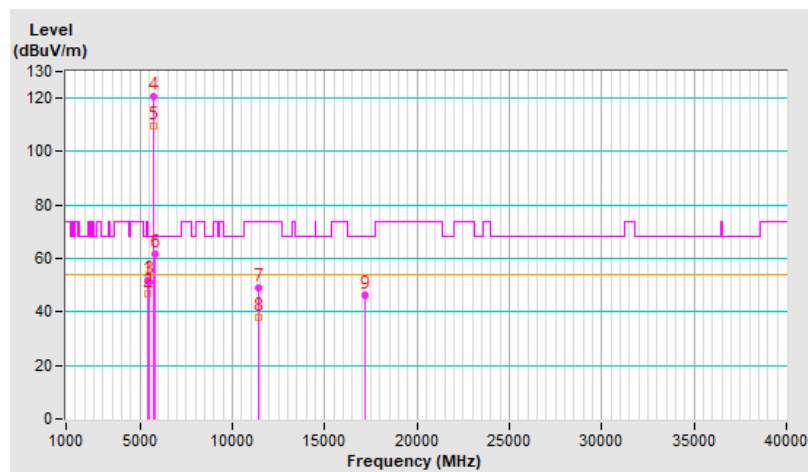


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.6 PK	74.0	-22.4	2.86 H	274	48.6	3.0
2	5460.00	47.0 AV	54.0	-7.0	2.86 H	274	44.0	3.0
3	#5470.00	51.5 PK	68.2	-16.7	2.87 H	287	48.5	3.0
4	*5720.00	120.8 PK			2.78 H	273	117.5	3.3
5	*5720.00	109.8 AV			2.78 H	273	106.5	3.3
6	#5850.00	61.7 PK	68.2	-6.5	2.81 H	289	57.9	3.8
7	11440.00	48.8 PK	74.0	-25.2	2.19 H	223	36.4	12.4
8	11440.00	38.0 AV	54.0	-16.0	2.19 H	223	25.6	12.4
9	#17160.00	46.4 PK	68.2	-21.8	1.52 H	315	29.3	17.1

Remarks:

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

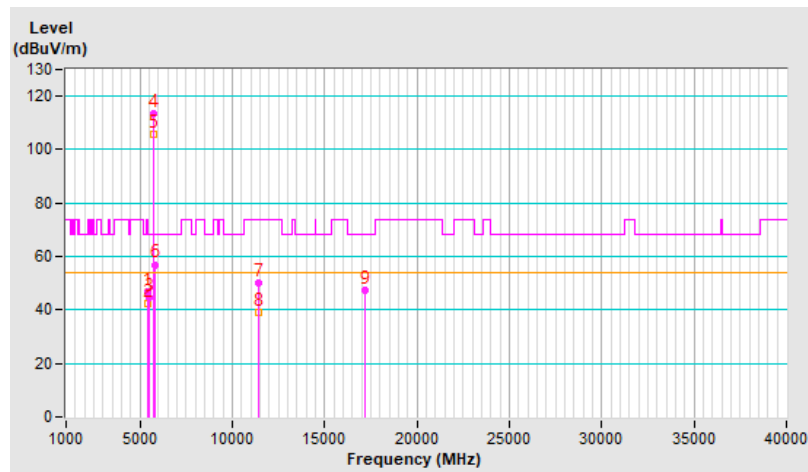


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	46.9 PK	74.0	-27.1	2.95 V	38	43.9	3.0
2	5460.00	42.4 AV	54.0	-11.6	2.95 V	38	39.4	3.0
3	#5470.00	44.4 PK	68.2	-23.8	2.95 V	38	41.4	3.0
4	*5720.00	113.7 PK			2.95 V	38	110.4	3.3
5	*5720.00	105.5 AV			2.95 V	38	102.2	3.3
6	#5850.00	57.0 PK	68.2	-11.2	2.95 V	38	53.2	3.8
7	11440.00	49.9 PK	74.0	-24.1	2.32 V	232	37.5	12.4
8	11440.00	38.9 AV	54.0	-15.1	2.32 V	232	26.5	12.4
9	#17160.00	47.6 PK	68.2	-20.6	1.45 V	323	30.5	17.1

Remarks:

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

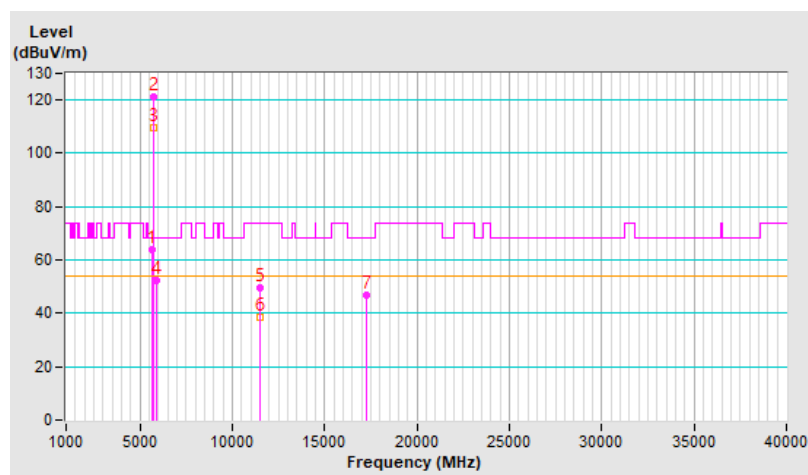


RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.82	63.7 PK	68.2	-4.5	2.80 H	282	60.6	3.1
2	*5745.00	121.1 PK			2.80 H	282	117.6	3.5
3	*5745.00	109.6 AV			2.80 H	282	106.1	3.5
4	#5932.92	52.4 PK	68.2	-15.8	2.80 H	282	48.8	3.6
5	11490.00	49.4 PK	74.0	-24.6	2.26 H	211	37.0	12.4
6	11490.00	38.3 AV	54.0	-15.7	2.26 H	211	25.9	12.4
7	#17235.00	46.6 PK	68.2	-21.6	1.46 H	324	29.4	17.2

Remarks:

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

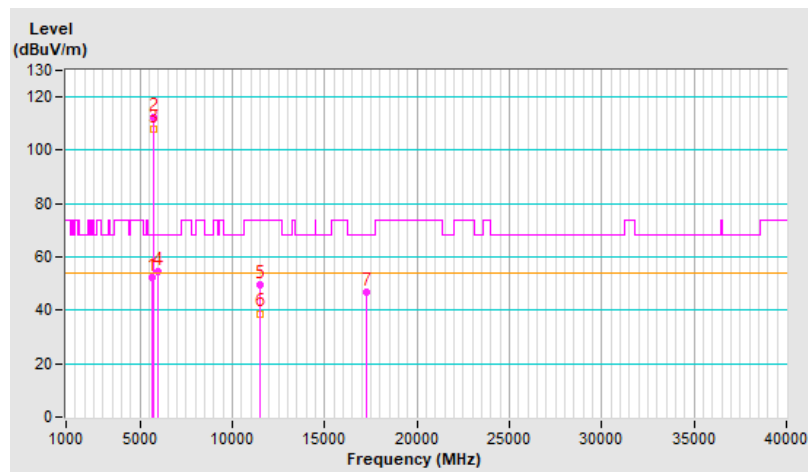


RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.81	52.4 PK	68.2	-15.8	2.94 V	24	49.3	3.1
2	*5745.00	112.1 PK			2.94 V	24	108.6	3.5
3	*5745.00	107.7 AV			2.94 V	24	104.2	3.5
4	#5942.03	54.5 PK	68.2	-13.7	2.94 V	24	50.9	3.6
5	11490.00	49.8 PK	74.0	-24.2	2.22 V	220	37.4	12.4
6	11490.00	38.8 AV	54.0	-15.2	2.22 V	220	26.4	12.4
7	#17235.00	46.6 PK	68.2	-21.6	1.44 V	341	29.4	17.2

Remarks:

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

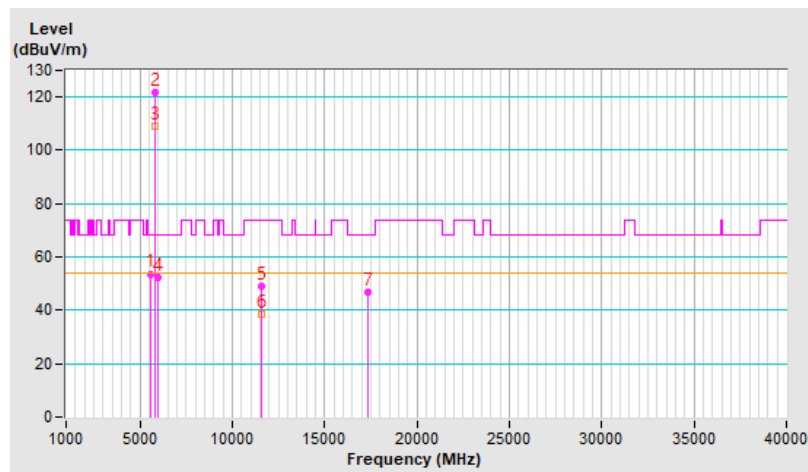


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5598.62	53.7 PK	68.2	-14.5	3.52 H	289	50.8	2.9
2	*5785.00	121.7 PK			3.52 H	289	118.1	3.6
3	*5785.00	109.2 AV			3.52 H	289	105.6	3.6
4	#5973.76	52.5 PK	68.2	-15.7	3.52 H	289	48.8	3.7
5	11570.00	49.2 PK	74.0	-24.8	2.21 H	226	36.9	12.3
6	11570.00	38.3 AV	54.0	-15.7	2.21 H	226	26.0	12.3
7	#17355.00	46.8 PK	68.2	-21.4	1.44 H	339	29.5	17.3

Remarks:

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

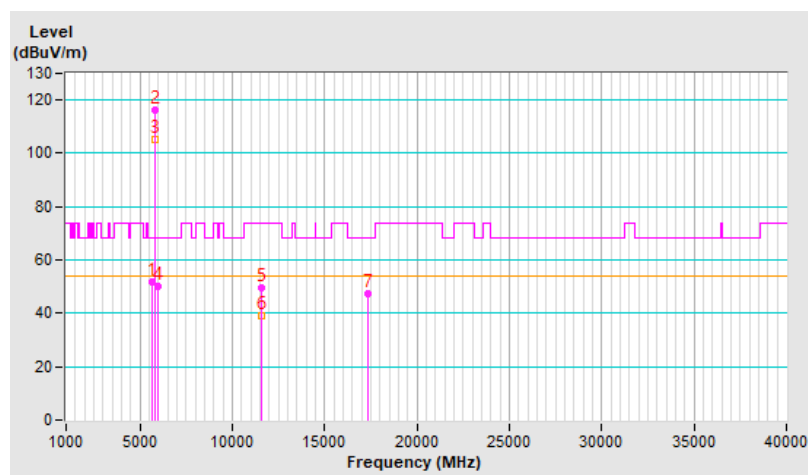


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5621.62	51.9 PK	68.2	-16.3	2.98 V	32	49.0	2.9
2	*5785.00	116.3 PK			2.98 V	32	112.7	3.6
3	*5785.00	105.0 AV			2.98 V	32	101.4	3.6
4	#5956.86	50.3 PK	68.2	-17.9	2.98 V	32	46.7	3.6
5	11570.00	49.6 PK	74.0	-24.4	2.19 V	218	37.3	12.3
6	11570.00	38.9 AV	54.0	-15.1	2.19 V	218	26.6	12.3
7	#17355.00	47.1 PK	68.2	-21.1	1.52 V	335	29.8	17.3

Remarks:

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

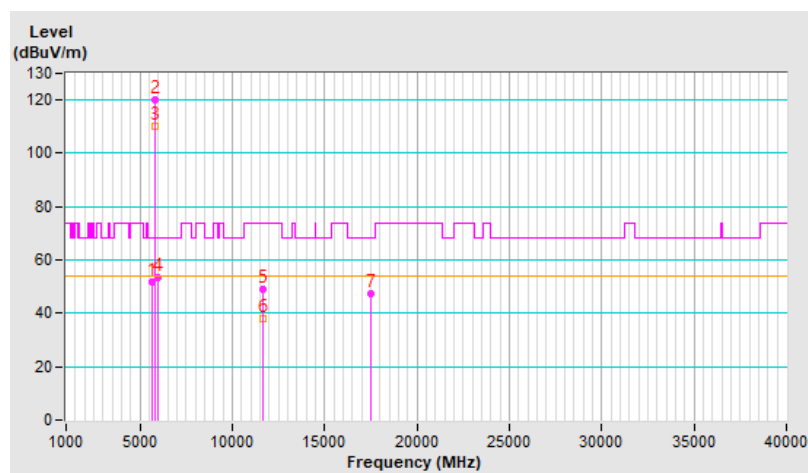


RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.92	51.6 PK	68.2	-16.6	3.34 H	287	48.7	2.9
2	*5825.00	119.9 PK			3.34 H	287	116.2	3.7
3	*5825.00	110.2 AV			3.34 H	287	106.5	3.7
4	#5943.26	53.4 PK	68.2	-14.8	3.34 H	287	49.8	3.6
5	11650.00	48.8 PK	74.0	-25.2	2.20 H	234	36.9	11.9
6	11650.00	38.2 AV	54.0	-15.8	2.20 H	234	26.3	11.9
7	#17475.00	47.3 PK	68.2	-20.9	1.44 H	318	29.3	18.0

Remarks:

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

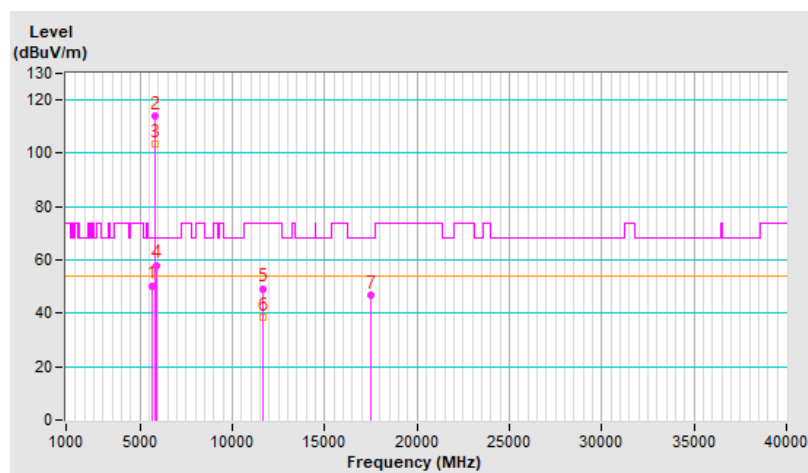


RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.02	50.4 PK	68.2	-17.8	2.99 V	28	47.4	3.0
2	*5825.00	113.9 PK			2.99 V	28	110.2	3.7
3	*5825.00	103.6 AV			2.99 V	28	99.9	3.7
4	#5929.10	58.1 PK	68.2	-10.1	2.99 V	28	54.5	3.6
5	11650.00	49.3 PK	74.0	-24.7	2.23 V	208	37.4	11.9
6	11650.00	38.7 AV	54.0	-15.3	2.23 V	208	26.8	11.9
7	#17475.00	46.9 PK	68.2	-21.3	1.53 V	336	28.9	18.0

Remarks:

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

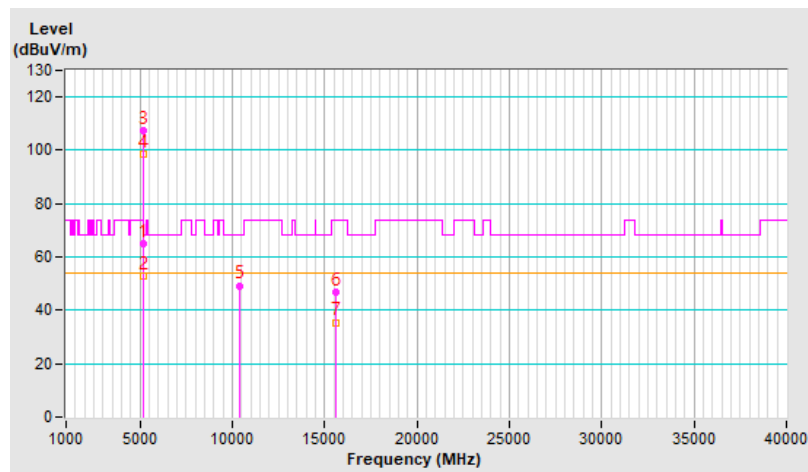


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	65.2 PK	74.0	-8.8	1.73 H	294	62.1	3.1
2	5150.00	53.1 AV	54.0	-0.9	1.73 H	294	50.0	3.1
3	*5190.00	107.2 PK			1.73 H	294	104.4	2.8
4	*5190.00	98.6 AV			1.73 H	294	95.8	2.8
5	#10380.00	49.3 PK	68.2	-18.9	2.28 H	206	37.7	11.6
6	15570.00	46.7 PK	74.0	-27.3	1.47 H	313	35.2	11.5
7	15570.00	35.5 AV	54.0	-18.5	1.47 H	313	24.0	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.
6. " # " : The radiated frequency is out of the restricted band.

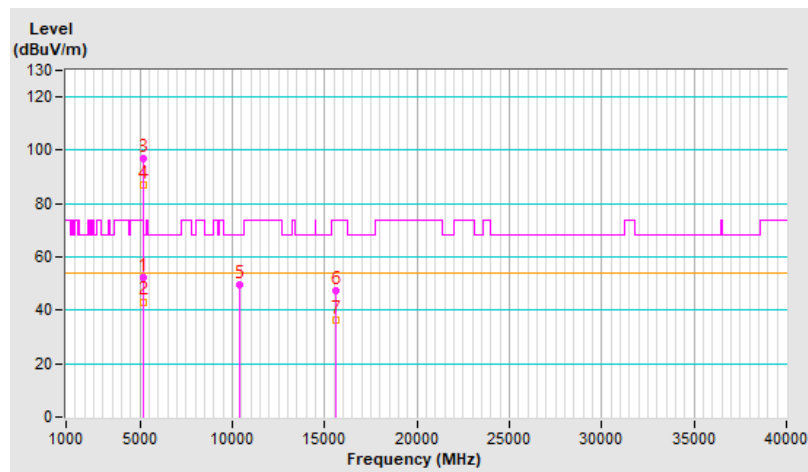


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.4 PK	74.0	-21.6	1.28 V	170	49.3	3.1
2	5150.00	43.2 AV	54.0	-10.8	1.28 V	170	40.1	3.1
3	*5190.00	97.1 PK			1.28 V	170	94.3	2.8
4	*5190.00	86.8 AV			1.28 V	170	84.0	2.8
5	#10380.00	49.4 PK	68.2	-18.8	2.27 V	208	37.8	11.6
6	15570.00	47.4 PK	74.0	-26.6	1.50 V	341	35.9	11.5
7	15570.00	36.2 AV	54.0	-17.8	1.50 V	341	24.7	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.

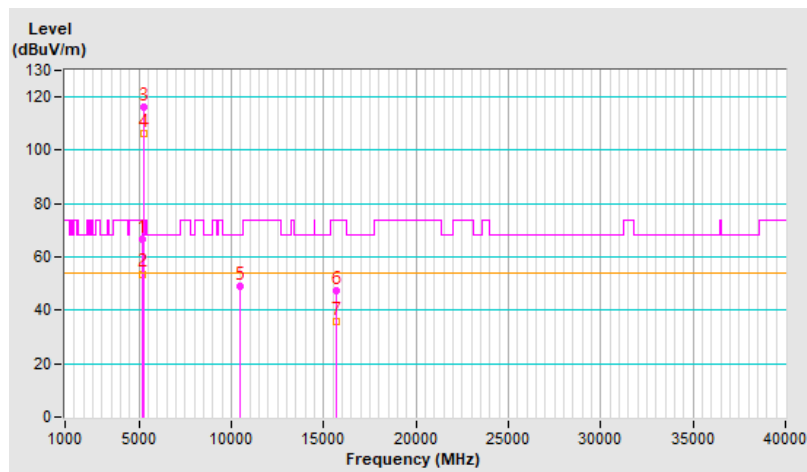


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.4 PK	74.0	-7.6	1.72 H	284	63.3	3.1
2	5150.00	53.7 AV	54.0	-0.3	1.72 H	284	50.6	3.1
3	*5230.00	116.4 PK			1.72 H	284	113.8	2.6
4	*5230.00	106.3 AV			1.72 H	284	103.7	2.6
5	#10460.00	48.9 PK	68.2	-19.3	2.26 H	214	37.2	11.7
6	15690.00	47.2 PK	74.0	-26.8	1.55 H	332	35.1	12.1
7	15690.00	36.0 AV	54.0	-18.0	1.55 H	332	23.9	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.

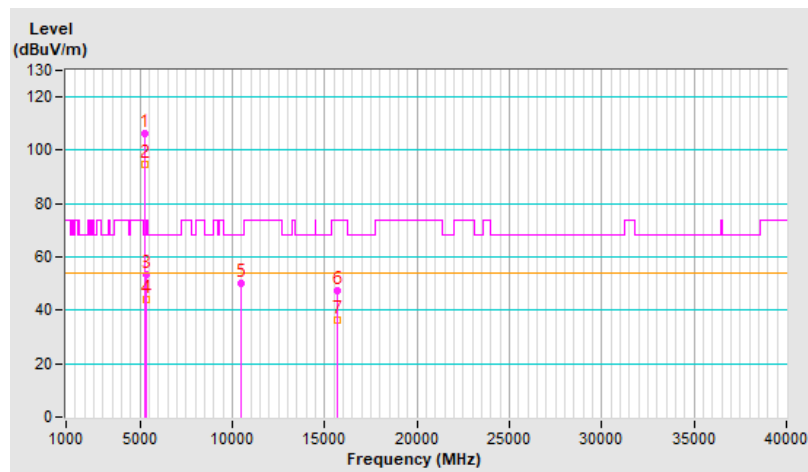


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	106.3 PK			1.34 V	164	103.7	2.6
2	*5230.00	94.5 AV			1.34 V	164	91.9	2.6
3	5350.00	53.6 PK	74.0	-20.4	1.34 V	164	50.7	2.9
4	5350.00	43.8 AV	54.0	-10.2	1.34 V	164	40.9	2.9
5	#10460.00	50.1 PK	68.2	-18.1	2.33 V	220	38.4	11.7
6	15690.00	47.2 PK	74.0	-26.8	1.51 V	331	35.1	12.1
7	15690.00	36.1 AV	54.0	-17.9	1.51 V	331	24.0	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.

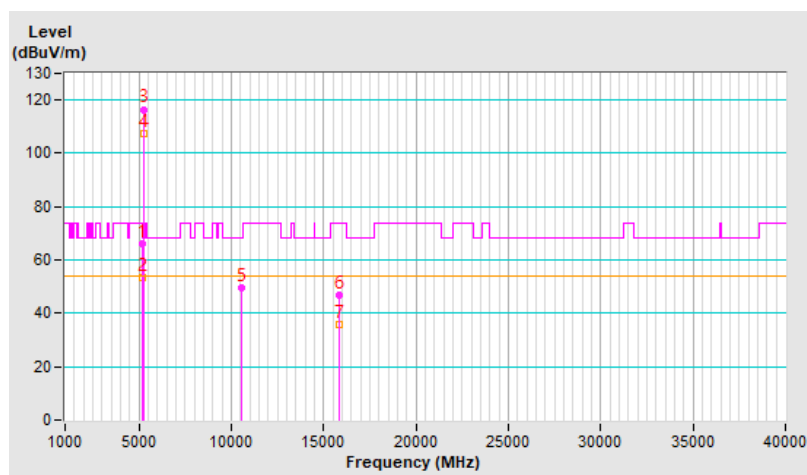


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.73 H	291	62.8	3.1
2	5150.00	53.4 AV	54.0	-0.6	1.73 H	291	50.3	3.1
3	*5270.00	116.5 PK			1.73 H	291	114.1	2.4
4	*5270.00	107.3 AV			1.73 H	291	104.9	2.4
5	#10540.00	49.5 PK	68.2	-18.7	2.24 H	235	37.7	11.8
6	15810.00	46.8 PK	74.0	-27.2	1.46 H	324	34.7	12.1
7	15810.00	35.9 AV	54.0	-18.1	1.46 H	324	23.8	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.

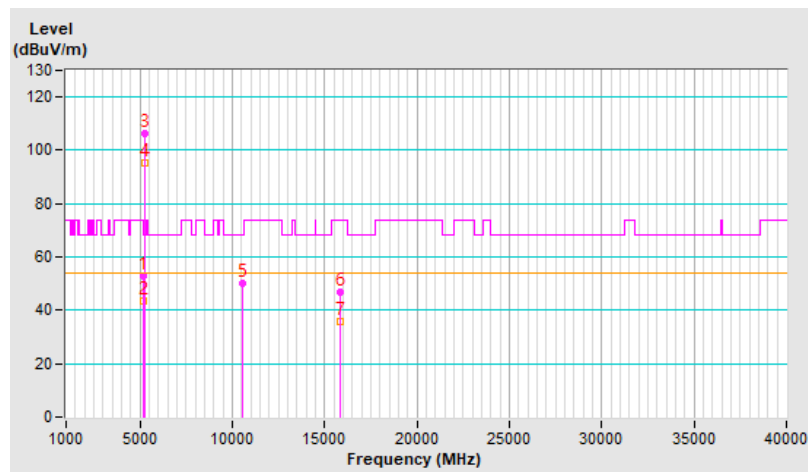


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.1 PK	74.0	-20.9	1.40 V	155	50.0	3.1
2	5150.00	43.5 AV	54.0	-10.5	1.40 V	155	40.4	3.1
3	*5270.00	106.4 PK			1.40 V	155	104.0	2.4
4	*5270.00	95.5 AV			1.40 V	155	93.1	2.4
5	#10540.00	49.9 PK	68.2	-18.3	2.30 V	222	38.1	11.8
6	15810.00	46.8 PK	74.0	-27.2	1.50 V	315	34.7	12.1
7	15810.00	35.7 AV	54.0	-18.3	1.50 V	315	23.6	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.

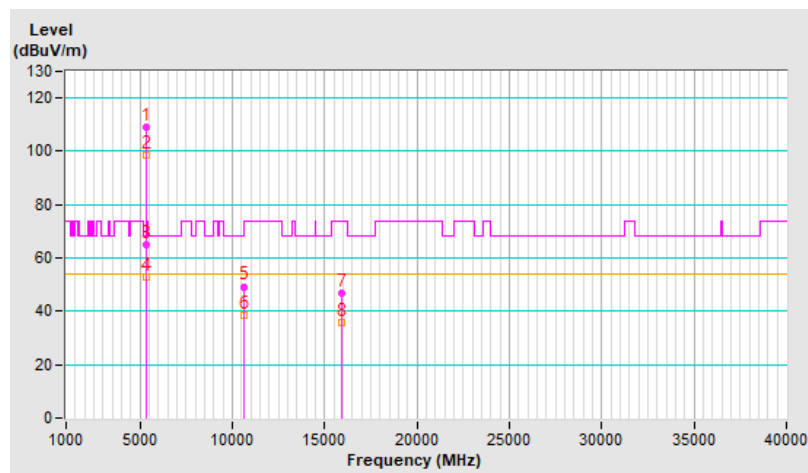


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	109.2 PK			1.75 H	296	106.7	2.5
2	*5310.00	98.4 AV			1.75 H	296	95.9	2.5
3	5350.00	65.2 PK	74.0	-8.8	1.75 H	296	62.3	2.9
4	5350.00	52.8 AV	54.0	-1.2	1.75 H	296	49.9	2.9
5	10620.00	49.3 PK	74.0	-24.7	2.24 H	236	37.5	11.8
6	10620.00	38.5 AV	54.0	-15.5	2.24 H	236	26.7	11.8
7	15930.00	46.8 PK	74.0	-27.2	1.44 H	330	35.3	11.5
8	15930.00	35.6 AV	54.0	-18.4	1.44 H	330	24.1	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.

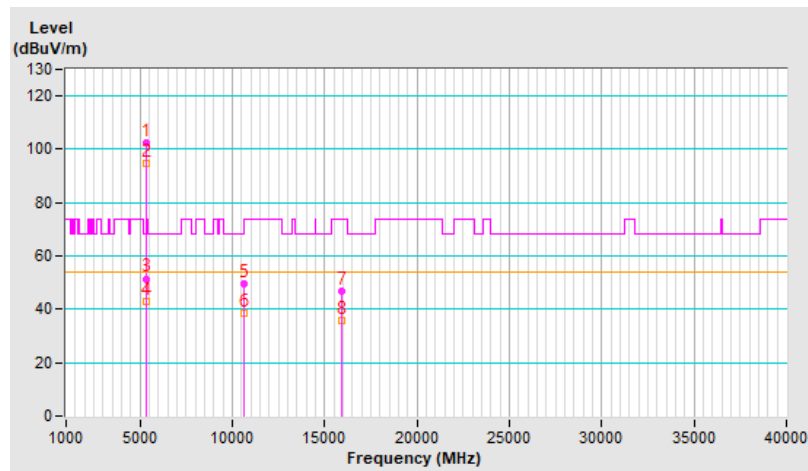


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	102.3 PK			2.49 V	360	99.8	2.5
2	*5310.00	94.6 AV			2.49 V	360	92.1	2.5
3	5350.00	51.5 PK	74.0	-22.5	2.49 V	360	48.6	2.9
4	5350.00	42.9 AV	54.0	-11.1	2.49 V	360	40.0	2.9
5	10620.00	49.5 PK	74.0	-24.5	2.25 V	220	37.7	11.8
6	10620.00	38.7 AV	54.0	-15.3	2.25 V	220	26.9	11.8
7	15930.00	46.6 PK	74.0	-27.4	1.55 V	318	35.1	11.5
8	15930.00	35.6 AV	54.0	-18.4	1.55 V	318	24.1	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.

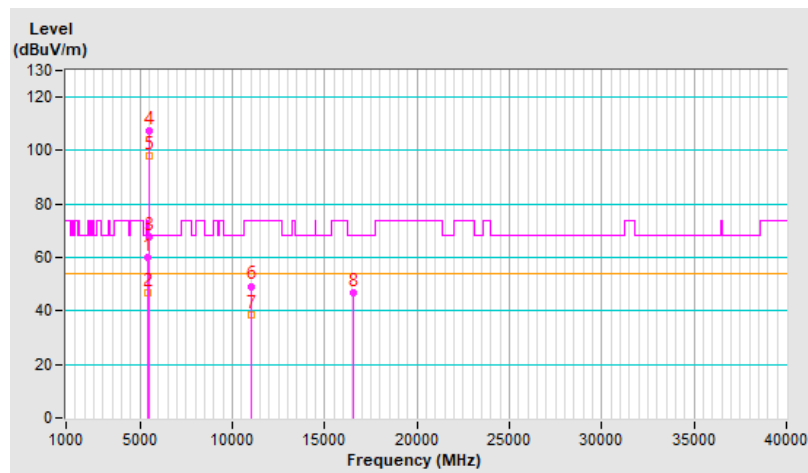


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	60.2 PK	74.0	-13.8	2.24 H	285	57.2	3.0
2	5460.00	47.0 AV	54.0	-7.0	2.24 H	285	44.0	3.0
3	#5470.00	67.8 PK	68.2	-0.4	2.24 H	285	64.8	3.0
4	*5510.00	107.6 PK			2.24 H	285	104.7	2.9
5	*5510.00	97.8 AV			2.24 H	285	94.9	2.9
6	11020.00	49.3 PK	74.0	-24.7	2.28 H	206	36.8	12.5
7	11020.00	38.6 AV	54.0	-15.4	2.28 H	206	26.1	12.5
8	#16530.00	46.9 PK	68.2	-21.3	1.46 H	314	32.5	14.4

Remarks:

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

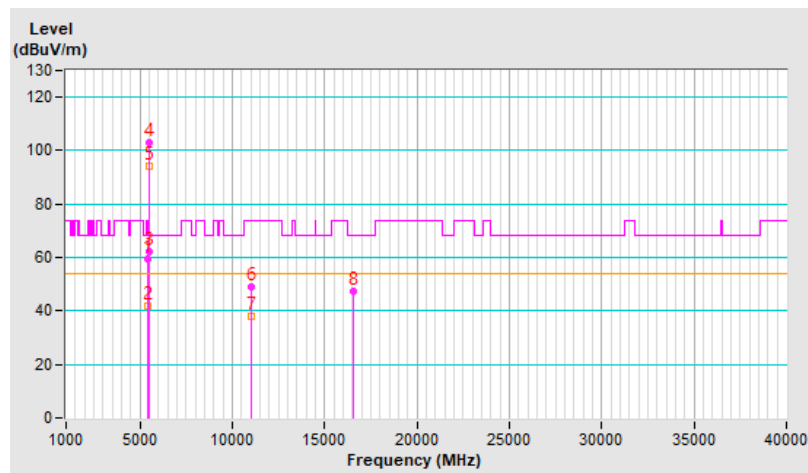


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.6 PK	74.0	-14.4	2.92 V	360	56.6	3.0
2	5460.00	41.7 AV	54.0	-12.3	2.92 V	360	38.7	3.0
3	#5470.00	62.3 PK	68.2	-5.9	2.92 V	360	59.3	3.0
4	*5510.00	103.0 PK			2.92 V	360	100.1	2.9
5	*5510.00	94.1 AV			2.92 V	360	91.2	2.9
6	11020.00	49.0 PK	74.0	-25.0	2.24 V	218	36.5	12.5
7	11020.00	38.1 AV	54.0	-15.9	2.24 V	218	25.6	12.5
8	#16530.00	47.2 PK	68.2	-21.0	1.51 V	317	32.8	14.4

Remarks:

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

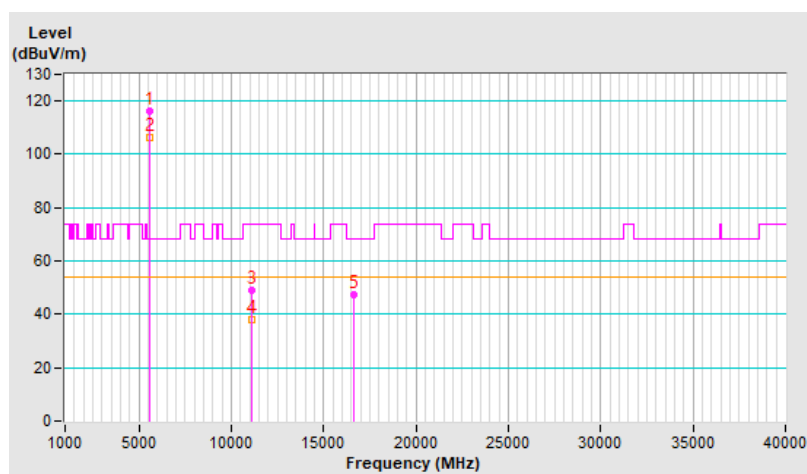


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	116.3 PK			2.77 H	281	113.4	2.9
2	*5550.00	106.4 AV			2.77 H	281	103.5	2.9
3	11100.00	49.0 PK	74.0	-25.0	2.20 H	229	36.7	12.3
4	11100.00	38.1 AV	54.0	-15.9	2.20 H	229	25.8	12.3
5	#16650.00	47.1 PK	68.2	-21.1	1.55 H	314	33.0	14.1

Remarks:

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

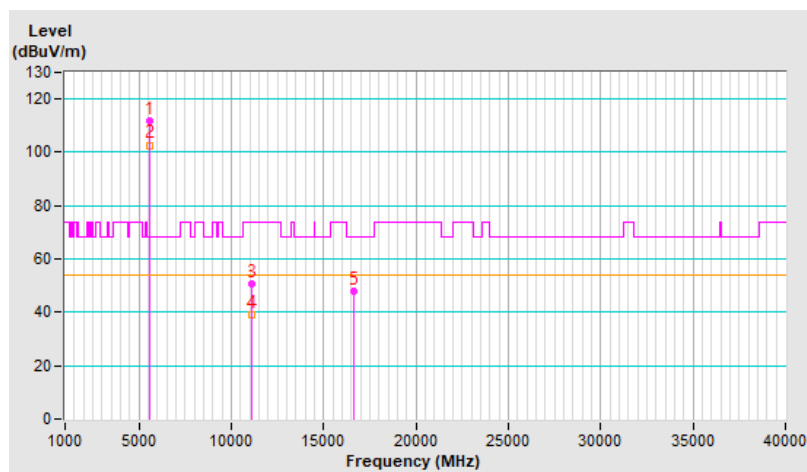


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	111.7 PK			2.97 V	360	108.8	2.9
2	*5550.00	102.7 AV			2.97 V	360	99.8	2.9
3	11100.00	50.5 PK	74.0	-23.5	2.30 V	227	38.2	12.3
4	11100.00	39.3 AV	54.0	-14.7	2.30 V	227	27.0	12.3
5	#16650.00	47.8 PK	68.2	-20.4	1.47 V	334	33.7	14.1

Remarks:

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

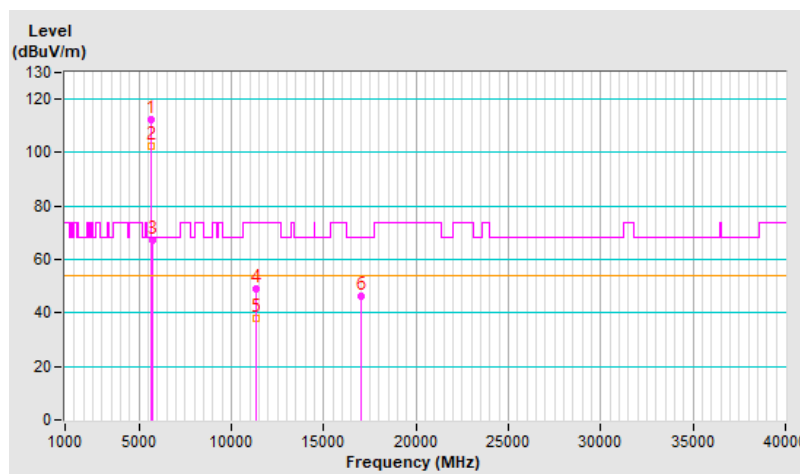


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.4 PK			2.88 H	281	109.3	3.1
2	*5670.00	102.4 AV			2.88 H	281	99.3	3.1
3	#5725.00	67.2 PK	68.2	-1.0	2.88 H	281	63.8	3.4
4	11340.00	49.1 PK	74.0	-24.9	2.18 H	213	36.6	12.5
5	11340.00	38.0 AV	54.0	-16.0	2.18 H	213	25.5	12.5
6	#17010.00	46.5 PK	68.2	-21.7	1.48 H	328	30.1	16.4

Remarks:

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

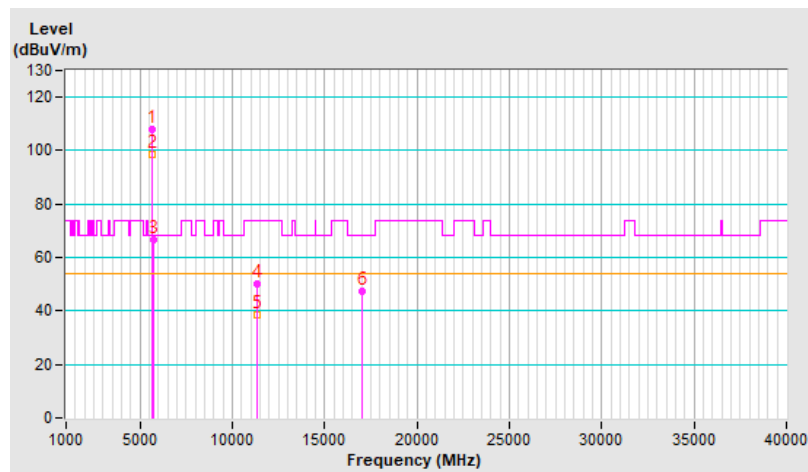


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	107.8 PK			2.95 V	360	104.7	3.1
2	*5670.00	98.7 AV			2.95 V	360	95.6	3.1
3	#5725.00	66.6 PK	68.2	-1.6	2.95 V	360	63.2	3.4
4	11340.00	50.1 PK	74.0	-23.9	2.35 V	216	37.6	12.5
5	11340.00	38.7 AV	54.0	-15.3	2.35 V	216	26.2	12.5
6	#17010.00	47.3 PK	68.2	-20.9	1.55 V	310	30.9	16.4

Remarks:

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

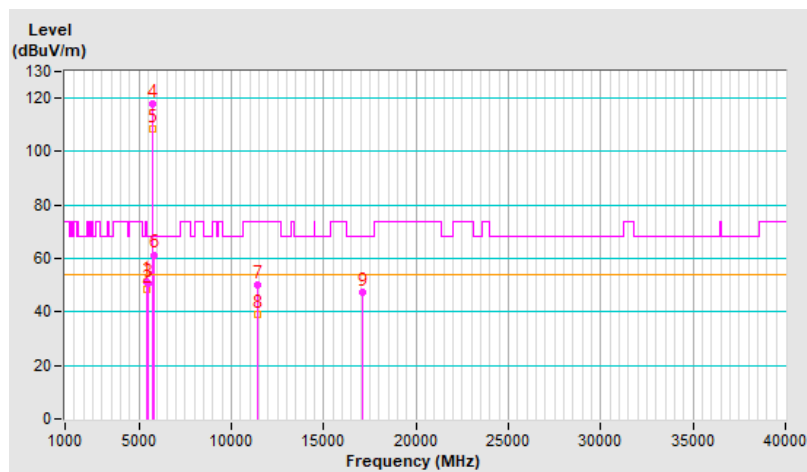


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.5 PK	74.0	-22.5	2.88 H	282	48.5	3.0
2	5460.00	48.5 AV	54.0	-5.5	2.88 H	282	45.5	3.0
3	#5470.00	50.6 PK	68.2	-17.6	2.88 H	282	47.6	3.0
4	*5710.00	118.1 PK			2.88 H	282	114.8	3.3
5	*5710.00	108.3 AV			2.88 H	282	105.0	3.3
6	#5850.00	61.4 PK	68.2	-6.8	2.88 H	282	57.6	3.8
7	11420.00	50.0 PK	74.0	-24.0	2.28 H	224	37.6	12.4
8	11420.00	38.9 AV	54.0	-15.1	2.28 H	224	26.5	12.4
9	#17130.00	47.1 PK	68.2	-21.1	1.50 H	338	29.9	17.2

Remarks:

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

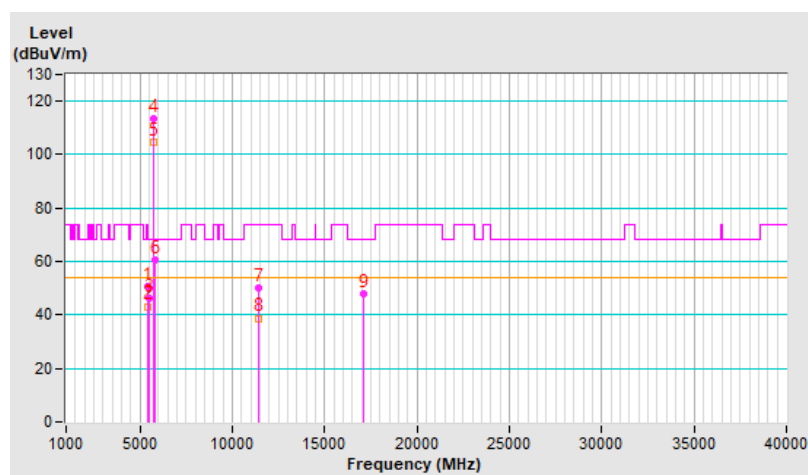


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.9 PK	74.0	-23.1	2.88 V	360	47.9	3.0
2	5460.00	43.2 AV	54.0	-10.8	2.88 V	360	40.2	3.0
3	#5470.00	46.0 PK	68.2	-22.2	2.88 V	360	43.0	3.0
4	*5710.00	113.5 PK			2.88 V	360	110.2	3.3
5	*5710.00	104.6 AV			2.88 V	360	101.3	3.3
6	#5850.00	60.8 PK	68.2	-7.4	2.88 V	360	57.0	3.8
7	11420.00	50.0 PK	74.0	-24.0	2.32 V	224	37.6	12.4
8	11420.00	38.8 AV	54.0	-15.2	2.32 V	224	26.4	12.4
9	#17130.00	47.9 PK	68.2	-20.3	1.48 V	324	30.7	17.2

Remarks:

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

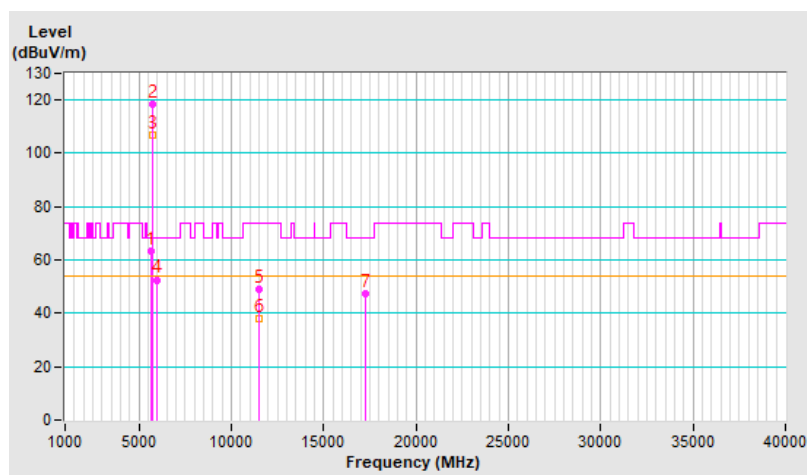


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.27	63.3 PK	68.2	-4.9	2.80 H	283	60.2	3.1
2	*5755.00	118.3 PK			2.80 H	283	114.8	3.5
3	*5755.00	106.8 AV			2.80 H	283	103.3	3.5
4	#5951.46	52.6 PK	68.2	-15.6	2.80 H	283	49.0	3.6
5	11510.00	48.8 PK	74.0	-25.2	2.29 H	234	36.4	12.4
6	11510.00	37.9 AV	54.0	-16.1	2.29 H	234	25.5	12.4
7	#17265.00	47.5 PK	68.2	-20.7	1.48 H	320	30.2	17.3

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.

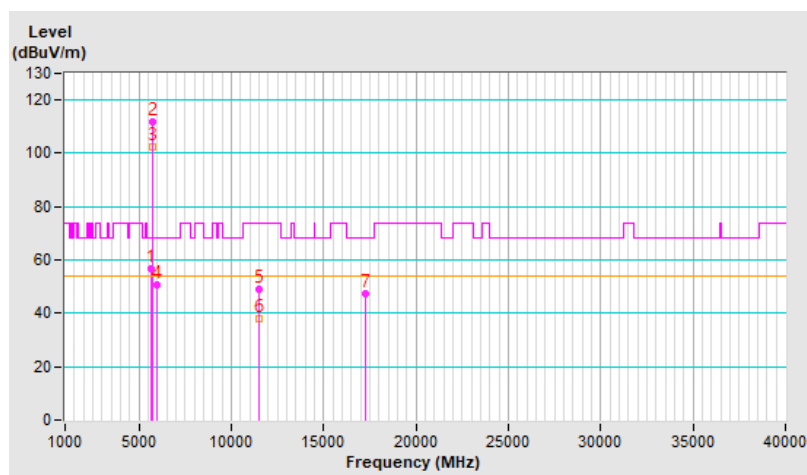


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.51	56.6 PK	68.2	-11.6	2.93 V	360	53.5	3.1
2	*5755.00	111.8 PK			2.93 V	360	108.3	3.5
3	*5755.00	102.5 AV			2.93 V	360	99.0	3.5
4	#5941.22	50.6 PK	68.2	-17.6	2.93 V	360	47.0	3.6
5	11510.00	49.1 PK	74.0	-24.9	2.27 V	230	36.7	12.4
6	11510.00	38.1 AV	54.0	-15.9	2.27 V	230	25.7	12.4
7	#17265.00	47.3 PK	68.2	-20.9	1.53 V	329	30.0	17.3

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.

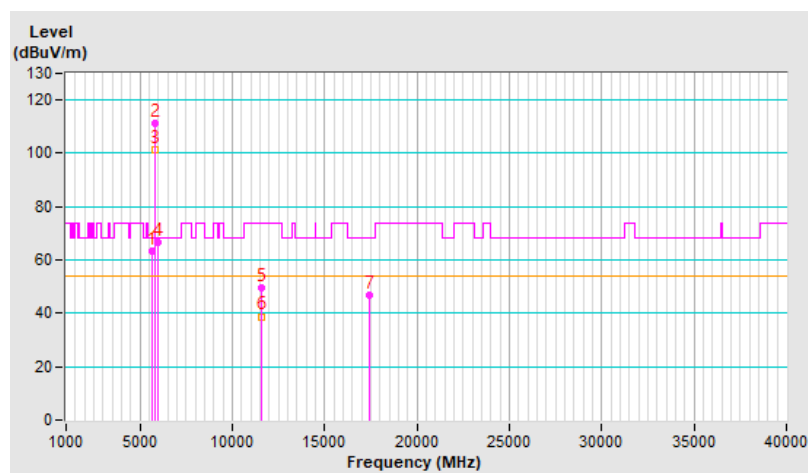


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.67	63.1 PK	68.2	-5.1	3.25 H	283	60.0	3.1
2	*5795.00	111.3 PK			3.25 H	283	107.6	3.7
3	*5795.00	101.3 AV			3.25 H	283	97.6	3.7
4	#5947.99	66.7 PK	68.2	-1.5	3.25 H	283	63.1	3.6
5	11590.00	49.8 PK	74.0	-24.2	2.27 H	235	37.8	12.0
6	11590.00	38.8 AV	54.0	-15.2	2.27 H	235	26.8	12.0
7	#17385.00	46.8 PK	68.2	-21.4	1.52 H	312	29.6	17.2

Remarks:

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

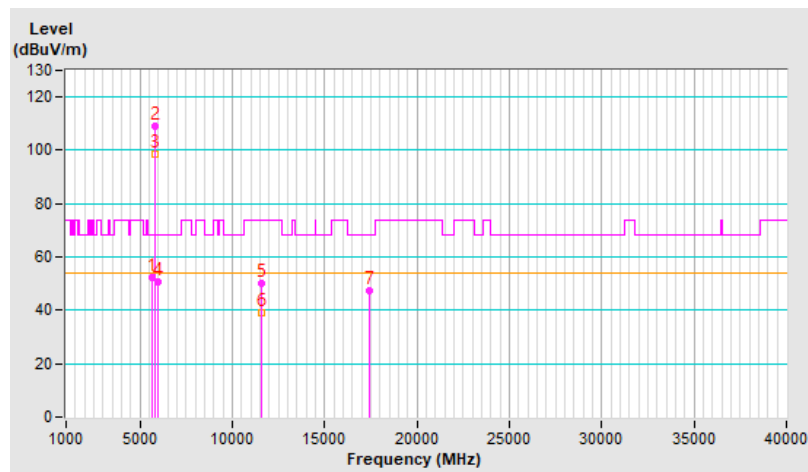


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.51	52.5 PK	68.2	-15.7	3.01 V	360	49.4	3.1
2	*5795.00	109.0 PK			3.01 V	360	105.3	3.7
3	*5795.00	98.6 AV			3.01 V	360	94.9	3.7
4	#5938.47	50.8 PK	68.2	-17.4	3.01 V	360	47.2	3.6
5	11590.00	49.9 PK	74.0	-24.1	2.28 V	211	37.9	12.0
6	11590.00	38.9 AV	54.0	-15.1	2.28 V	211	26.9	12.0
7	#17385.00	47.3 PK	68.2	-20.9	1.53 V	340	30.1	17.2

Remarks:

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

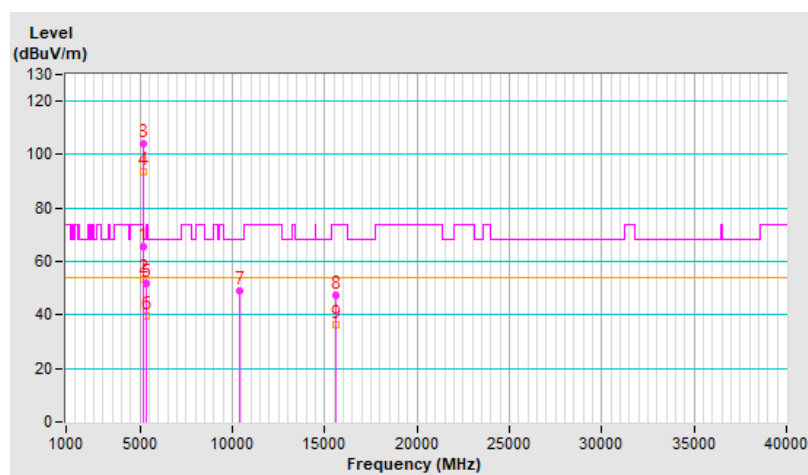


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	65.7 PK	74.0	-8.3	1.71 H	294	62.6	3.1
2	5150.00	53.4 AV	54.0	-0.6	1.71 H	294	50.3	3.1
3	*5210.00	104.3 PK			1.71 H	294	101.6	2.7
4	*5210.00	93.8 AV			1.71 H	294	91.1	2.7
5	5350.00	51.6 PK	74.0	-22.4	1.71 H	294	48.7	2.9
6	5350.00	39.4 AV	54.0	-14.6	1.71 H	294	36.5	2.9
7	#10420.00	48.9 PK	68.2	-19.3	2.22 H	237	37.1	11.8
8	15630.00	47.5 PK	74.0	-26.5	1.54 H	319	35.8	11.7
9	15630.00	36.2 AV	54.0	-17.8	1.54 H	319	24.5	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.

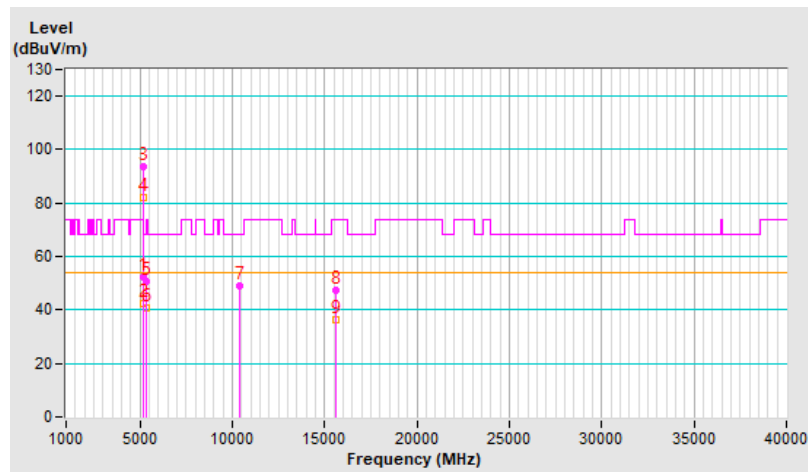


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.22 V	165	49.0	3.1
2	5150.00	42.3 AV	54.0	-11.7	1.22 V	165	39.2	3.1
3	*5210.00	93.4 PK			1.22 V	165	90.7	2.7
4	*5210.00	82.0 AV			1.22 V	165	79.3	2.7
5	5350.00	50.8 PK	74.0	-23.2	1.22 V	165	47.9	2.9
6	5350.00	40.5 AV	54.0	-13.5	1.22 V	165	37.6	2.9
7	#10420.00	48.8 PK	68.2	-19.4	2.25 V	232	37.0	11.8
8	15630.00	47.3 PK	74.0	-26.7	1.47 V	324	35.6	11.7
9	15630.00	36.3 AV	54.0	-17.7	1.47 V	324	24.6	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.

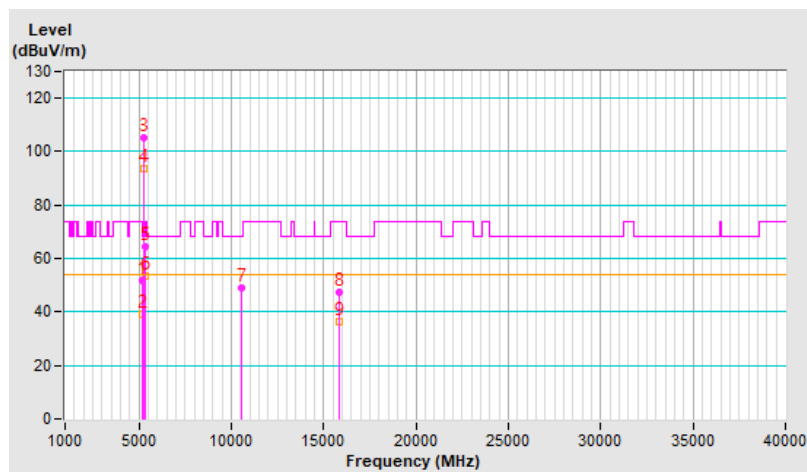


RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.78 H	292	48.5	3.1
2	5150.00	39.2 AV	54.0	-14.8	1.78 H	292	36.1	3.1
3	*5290.00	105.1 PK			1.78 H	292	102.7	2.4
4	*5290.00	93.7 AV			1.78 H	292	91.3	2.4
5	5350.00	64.2 PK	74.0	-9.8	1.78 H	292	61.3	2.9
6	5350.00	53.4 AV	54.0	-0.6	1.78 H	292	50.5	2.9
7	#10580.00	49.1 PK	68.2	-19.1	2.27 H	214	37.4	11.7
8	15870.00	47.4 PK	74.0	-26.6	1.47 H	315	35.6	11.8
9	15870.00	36.2 AV	54.0	-17.8	1.47 H	315	24.4	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.

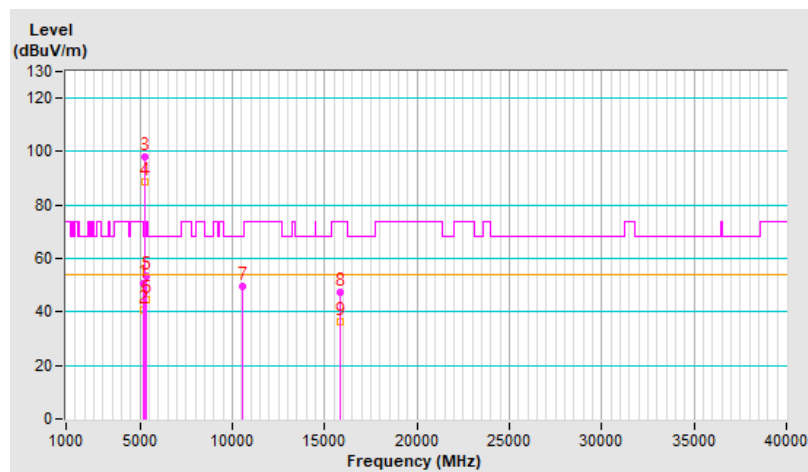


RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.9 PK	74.0	-23.1	2.61 V	360	47.8	3.1
2	5150.00	40.5 AV	54.0	-13.5	2.61 V	360	37.4	3.1
3	*5290.00	98.2 PK			2.61 V	360	95.8	2.4
4	*5290.00	88.9 AV			2.61 V	360	86.5	2.4
5	5350.00	53.2 PK	74.0	-20.8	2.61 V	360	50.3	2.9
6	5350.00	44.5 AV	54.0	-9.5	2.61 V	360	41.6	2.9
7	#10580.00	49.7 PK	68.2	-18.5	2.20 V	216	38.0	11.7
8	15870.00	47.6 PK	74.0	-26.4	1.51 V	315	35.8	11.8
9	15870.00	36.1 AV	54.0	-17.9	1.51 V	315	24.3	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.

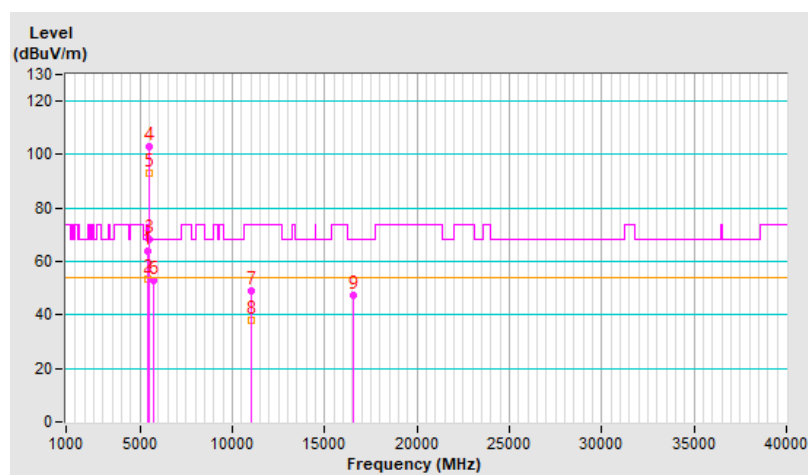


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.0 PK	74.0	-10.0	2.24 H	285	61.0	3.0
2	5460.00	53.4 AV	54.0	-0.6	2.24 H	285	50.4	3.0
3	#5470.00	68.1 PK	68.2	-0.1	2.24 H	285	65.1	3.0
4	*5530.00	103.2 PK			2.24 H	285	100.3	2.9
5	*5530.00	93.1 AV			2.24 H	285	90.2	2.9
6	#5725.00	52.7 PK	68.2	-15.5	2.24 H	285	49.3	3.4
7	11060.00	49.1 PK	74.0	-24.9	2.21 H	208	36.7	12.4
8	11060.00	38.2 AV	54.0	-15.8	2.21 H	208	25.8	12.4
9	#16590.00	47.1 PK	68.2	-21.1	1.45 H	330	33.0	14.1

Remarks:

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

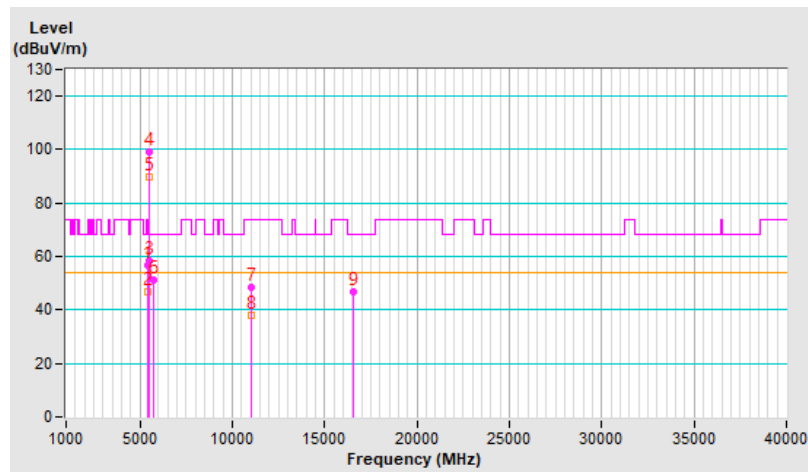


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	56.6 PK	74.0	-17.4	2.89 V	12	53.6	3.0
2	5460.00	46.9 AV	54.0	-7.1	2.89 V	12	43.9	3.0
3	#5470.00	58.4 PK	68.2	-9.8	2.89 V	12	55.4	3.0
4	*5530.00	98.9 PK			2.89 V	12	96.0	2.9
5	*5530.00	89.8 AV			2.89 V	12	86.9	2.9
6	#5725.00	51.1 PK	68.2	-17.1	2.89 V	12	47.7	3.4
7	11060.00	48.7 PK	74.0	-25.3	2.22 V	234	36.3	12.4
8	11060.00	37.9 AV	54.0	-16.1	2.22 V	234	25.5	12.4
9	#16590.00	46.7 PK	68.2	-21.5	1.53 V	316	32.6	14.1

Remarks:

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

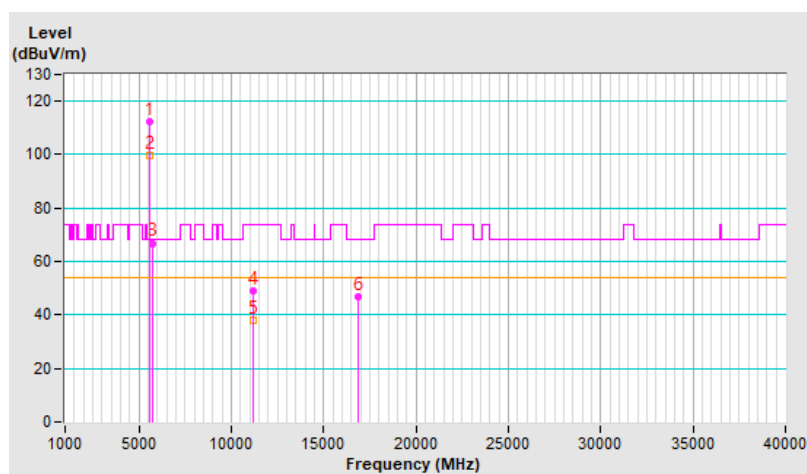


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	112.5 PK			3.49 H	293	109.6	2.9
2	*5610.00	99.9 AV			3.49 H	293	97.0	2.9
3	#5725.00	66.9 PK	68.2	-1.3	3.49 H	293	63.5	3.4
4	11220.00	48.8 PK	74.0	-25.2	2.19 H	221	36.5	12.3
5	11220.00	37.9 AV	54.0	-16.1	2.19 H	221	25.6	12.3
6	#16830.00	46.6 PK	68.2	-21.6	1.53 H	315	31.3	15.3

Remarks:

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

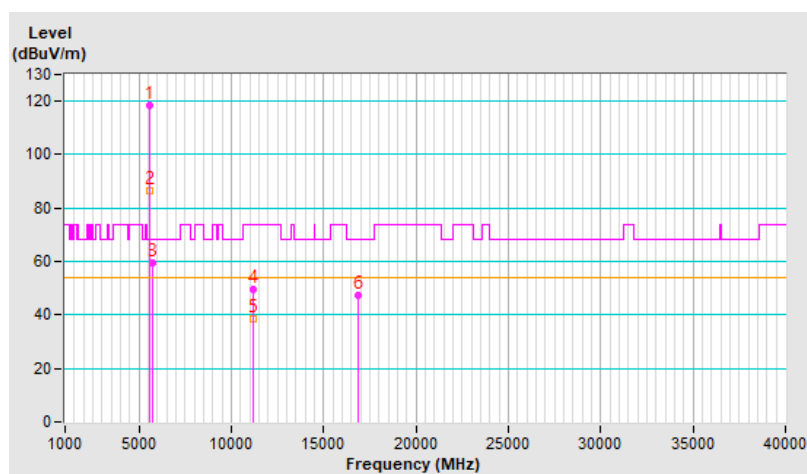


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	118.3 PK			2.84 V	27	115.4	2.9
2	*5610.00	86.5 AV			2.84 V	27	83.6	2.9
3	#5725.00	59.5 PK	68.2	-8.7	2.84 V	27	56.1	3.4
4	11220.00	49.8 PK	74.0	-24.2	2.23 V	237	37.5	12.3
5	11220.00	38.5 AV	54.0	-15.5	2.23 V	237	26.2	12.3
6	#16830.00	47.2 PK	68.2	-21.0	1.46 V	305	31.9	15.3

Remarks:

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

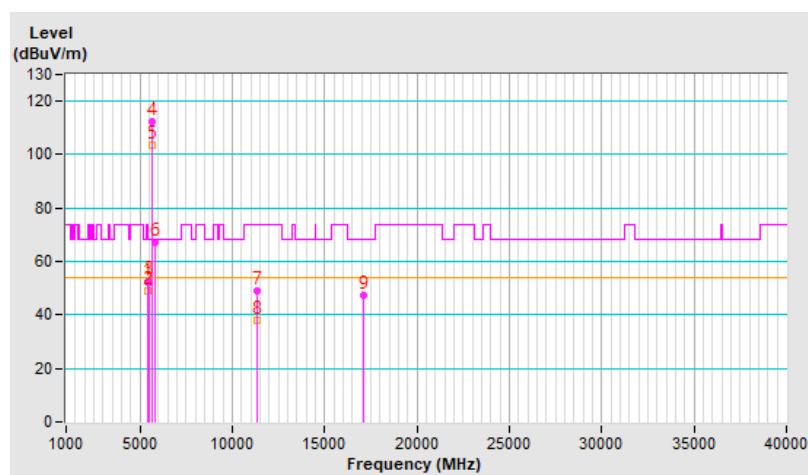


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.92 H	288	49.3	3.0
2	5460.00	49.0 AV	54.0	-5.0	2.92 H	288	46.0	3.0
3	#5470.00	52.6 PK	68.2	-15.6	2.92 H	288	49.6	3.0
4	*5690.00	112.5 PK			2.92 H	288	109.3	3.2
5	*5690.00	103.4 AV			2.92 H	288	100.2	3.2
6	#5850.00	67.0 PK	68.2	-1.2	2.92 H	288	63.2	3.8
7	11380.00	49.1 PK	74.0	-24.9	2.26 H	217	36.8	12.3
8	11380.00	38.0 AV	54.0	-16.0	2.26 H	217	25.7	12.3
9	#17070.00	47.2 PK	68.2	-21.0	1.45 H	342	30.2	17.0

Remarks:

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

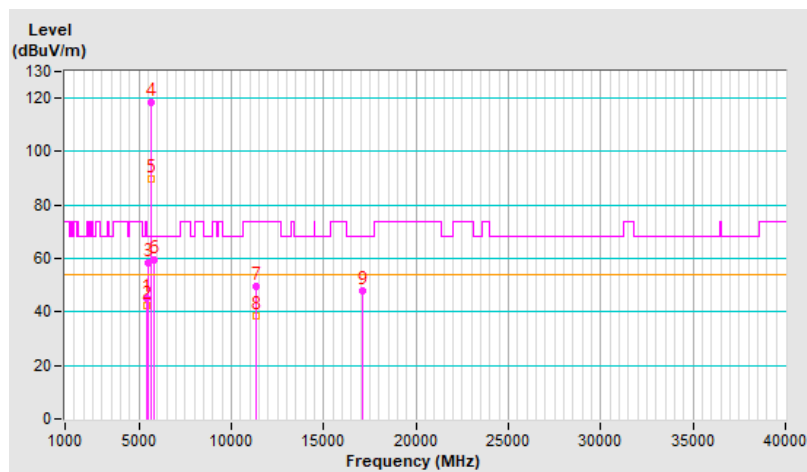


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	44.9 PK	74.0	-29.1	2.85 V	16	41.9	3.0
2	5460.00	42.5 AV	54.0	-11.5	2.85 V	16	39.5	3.0
3	#5470.00	58.4 PK	68.2	-9.8	2.85 V	16	55.4	3.0
4	*5690.00	118.3 PK			2.85 V	16	115.1	3.2
5	*5690.00	90.0 AV			2.85 V	16	86.8	3.2
6	#5850.00	59.6 PK	68.2	-8.6	2.85 V	16	55.8	3.8
7	11380.00	49.4 PK	74.0	-24.6	2.29 V	212	37.1	12.3
8	11380.00	38.4 AV	54.0	-15.6	2.29 V	212	26.1	12.3
9	#17070.00	47.8 PK	68.2	-20.4	1.50 V	321	30.8	17.0

Remarks:

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

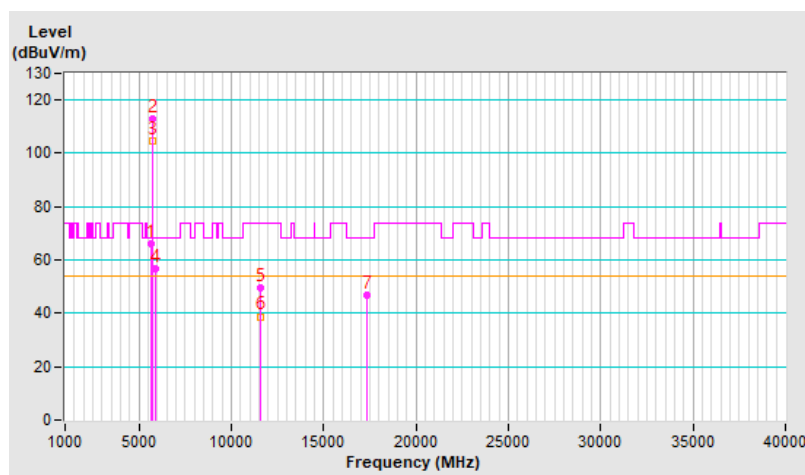


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.49	66.1 PK	68.2	-2.1	2.80 H	284	63.0	3.1
2	*5775.00	112.7 PK			2.80 H	284	109.1	3.6
3	*5775.00	104.8 AV			2.80 H	284	101.2	3.6
4	#5928.27	56.6 PK	68.2	-11.6	2.80 H	284	53.0	3.6
5	11550.00	49.7 PK	74.0	-24.3	2.27 H	209	37.4	12.3
6	11550.00	38.8 AV	54.0	-15.2	2.27 H	209	26.5	12.3
7	#17325.00	47.0 PK	68.2	-21.2	1.50 H	313	29.7	17.3

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.

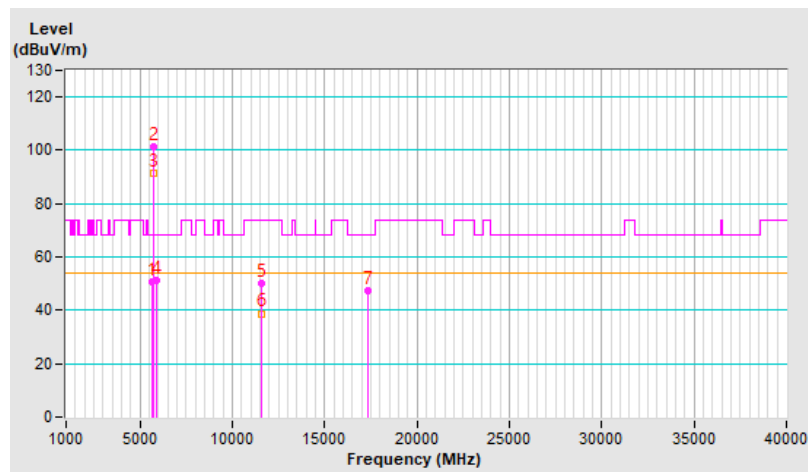


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 74% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.52	50.7 PK	68.2	-17.5	2.91 V	360	47.6	3.1
2	*5775.00	101.5 PK			2.91 V	360	97.9	3.6
3	*5775.00	91.3 AV			2.91 V	360	87.7	3.6
4	#5926.14	51.3 PK	68.2	-16.9	2.91 V	360	47.7	3.6
5	11550.00	50.0 PK	74.0	-24.0	2.29 V	225	37.7	12.3
6	11550.00	38.8 AV	54.0	-15.2	2.29 V	225	26.5	12.3
7	#17325.00	47.4 PK	68.2	-20.8	1.50 V	320	30.1	17.3

Remarks:

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

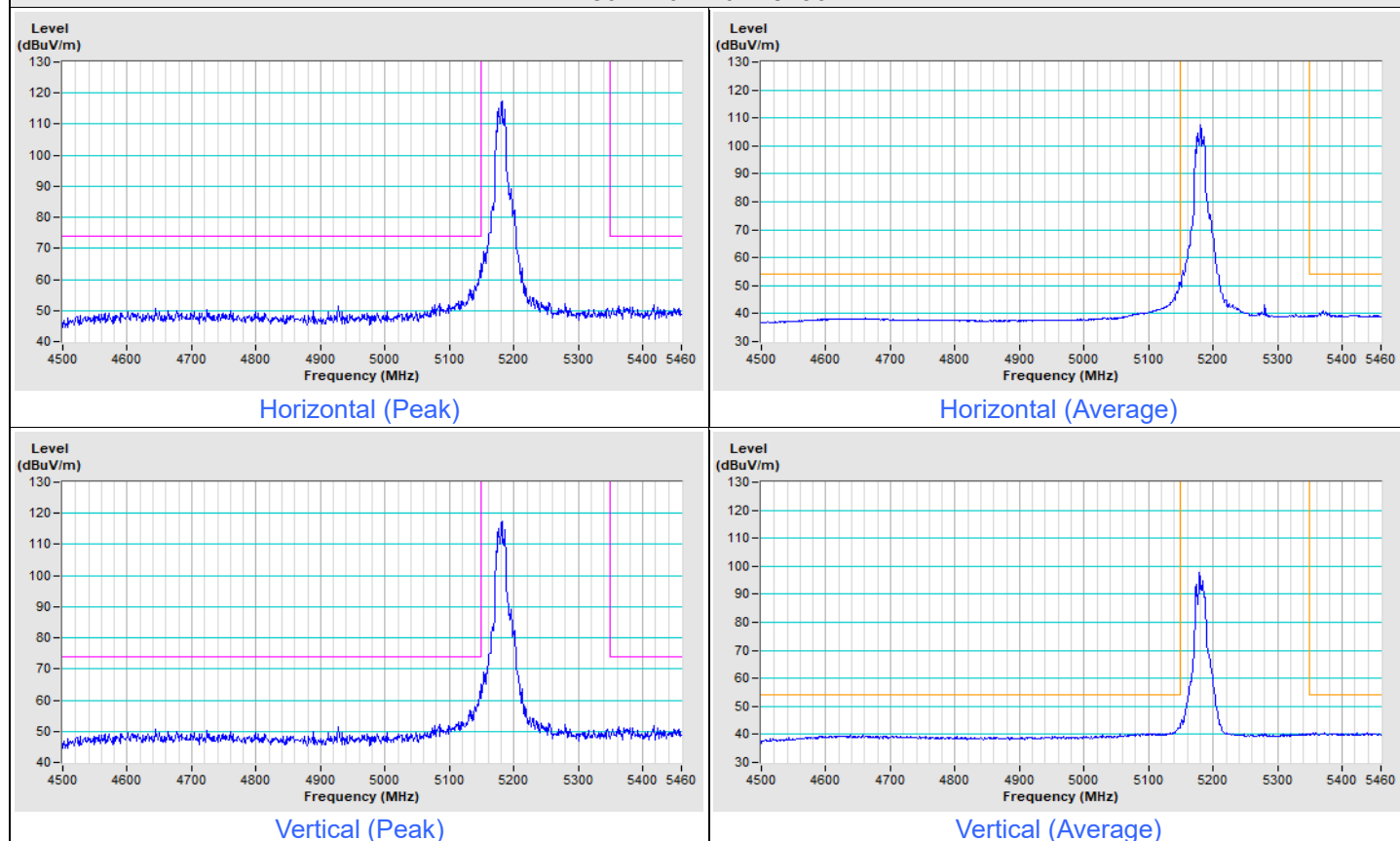


Plot of Band Edge

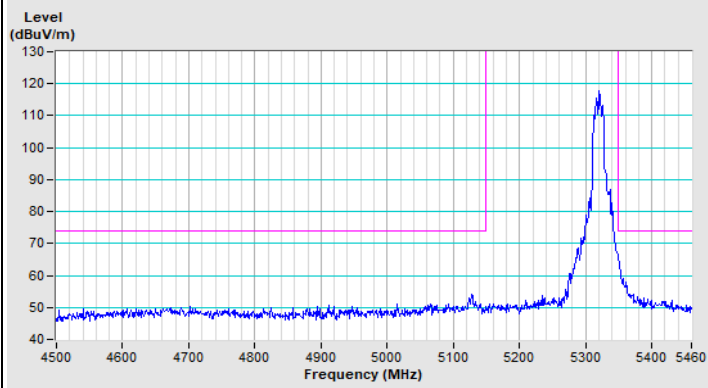
Mode A

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=3 kHz, DET=Peak
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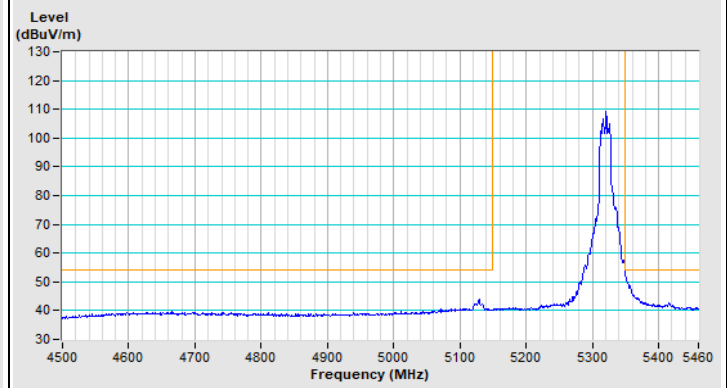
802.11a Channel 36



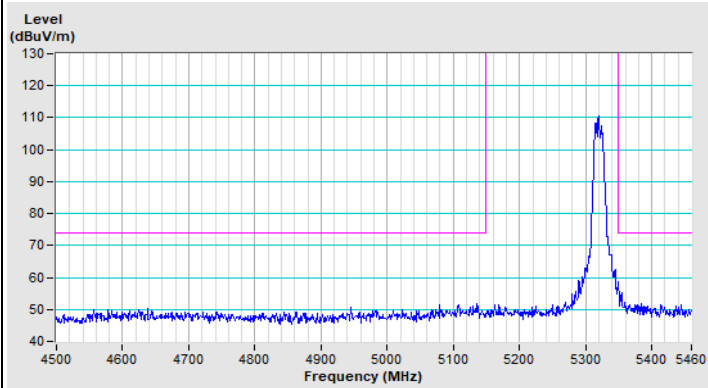
802.11a Channel 64



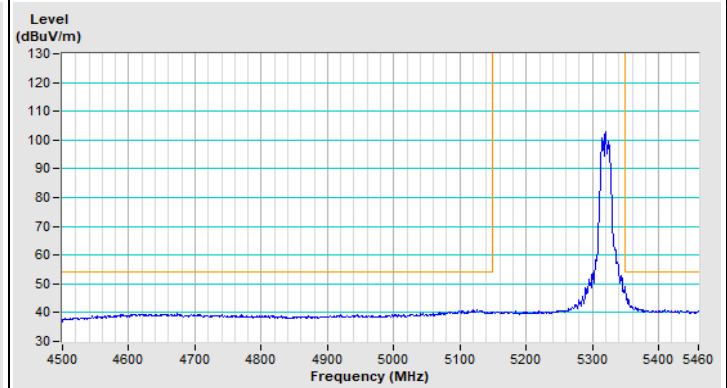
Horizontal (Peak)



Horizontal (Average)



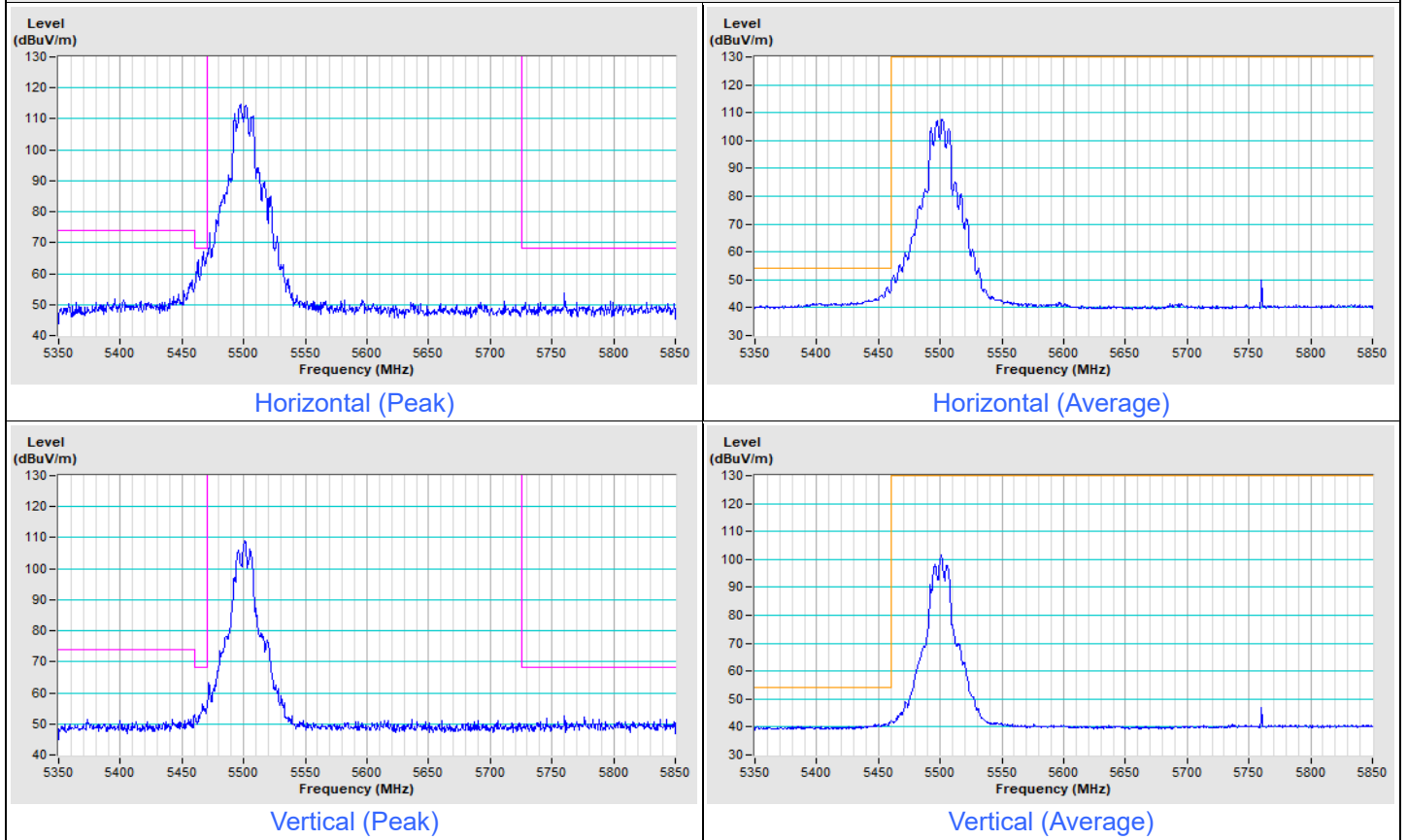
Vertical (Peak)



Vertical (Average)

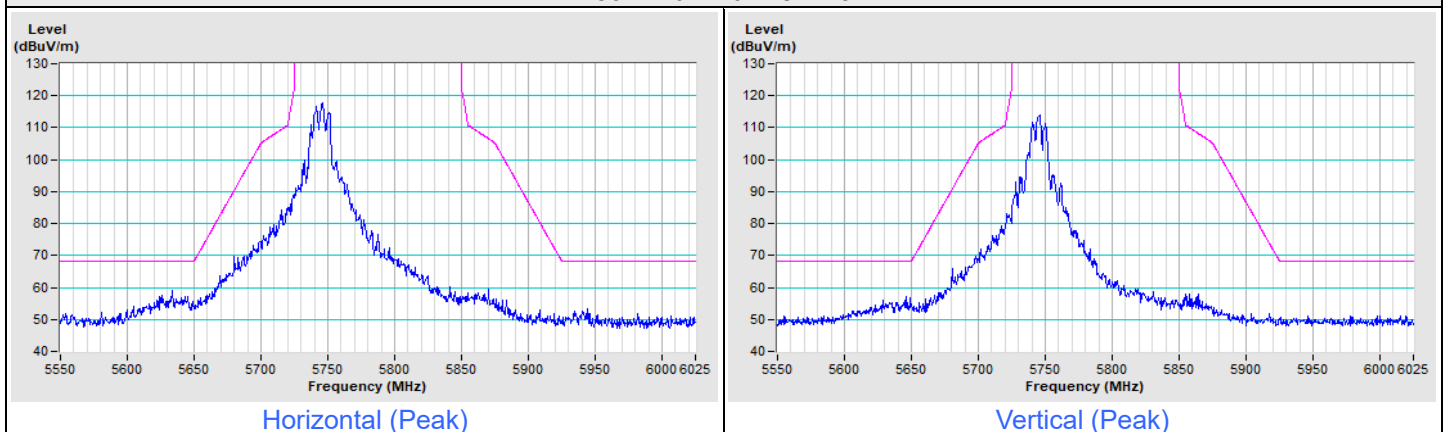
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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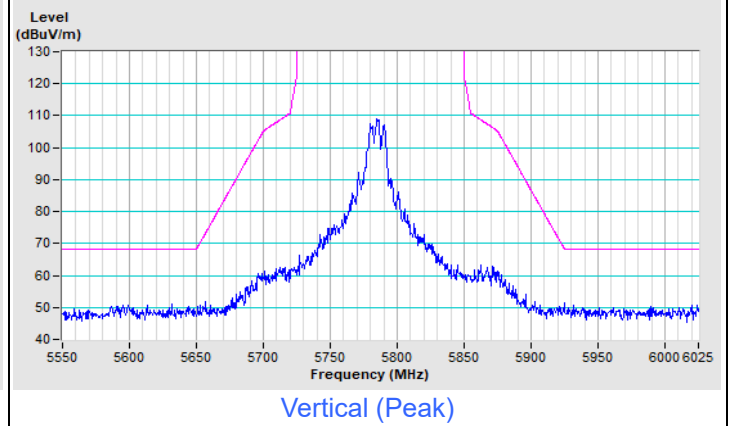
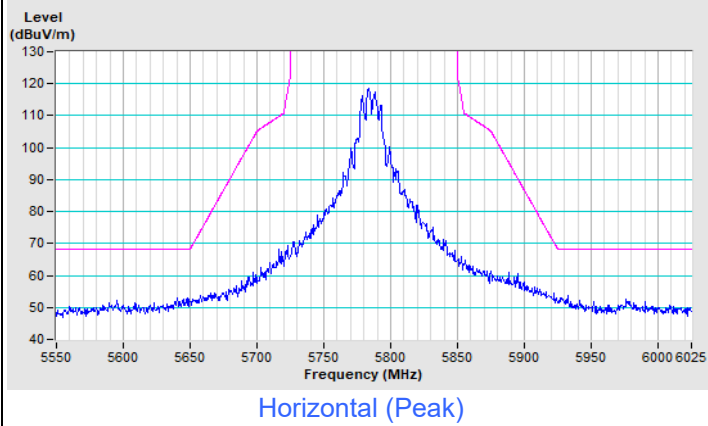
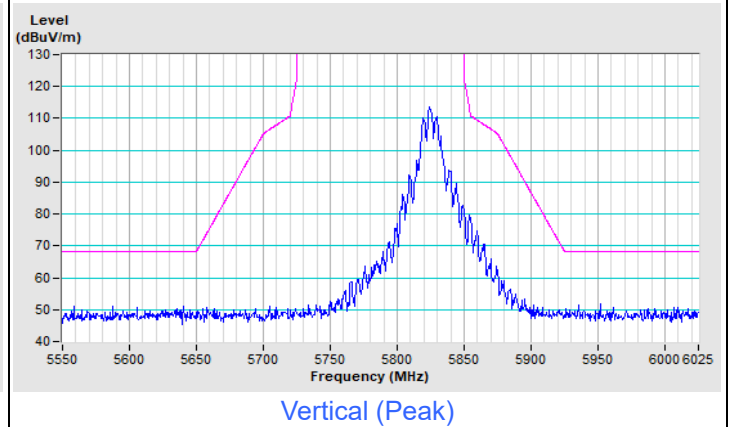
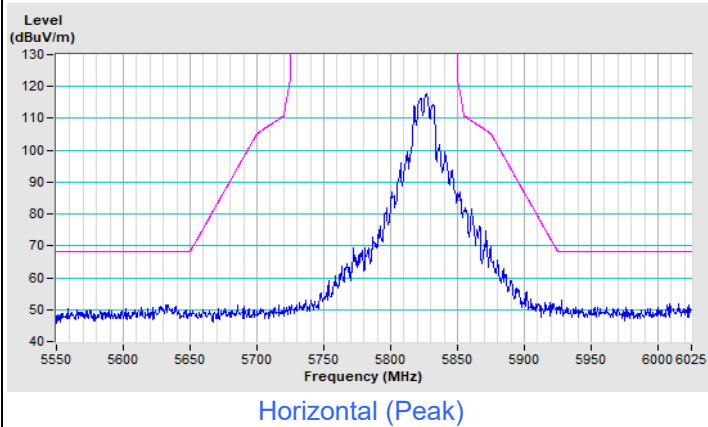
802.11a Channel 100



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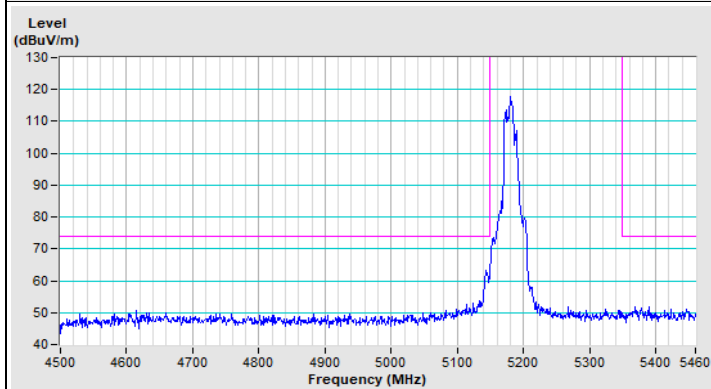
802.11a Channel 149



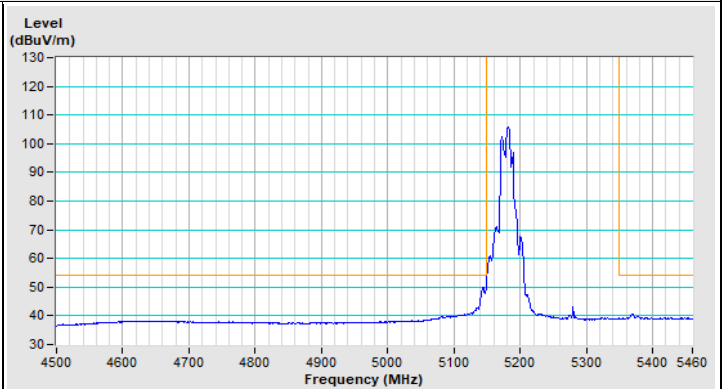
802.11a Channel 157**802.11a Channel 165**

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=10 Hz, DET=Peak
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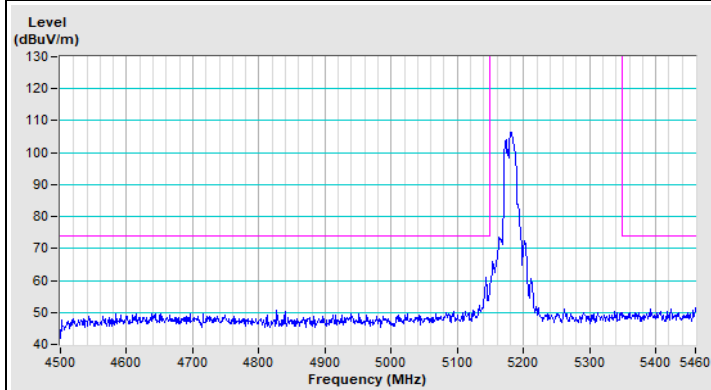
802.11ax (HE20) Channel 36



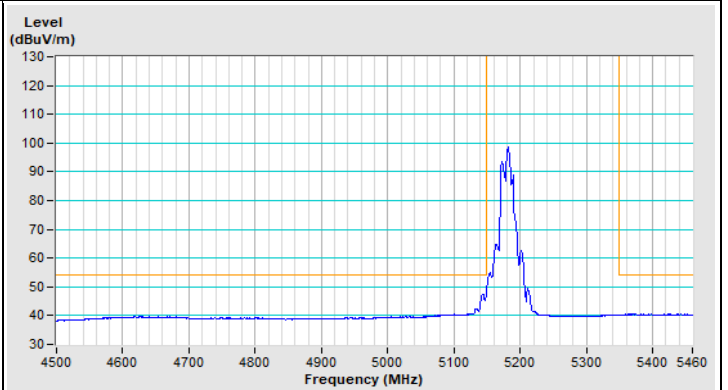
Horizontal (Peak)



Horizontal (Average)

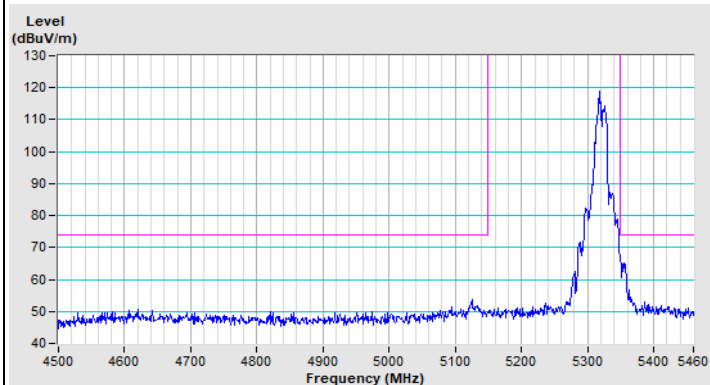


Vertical (Peak)

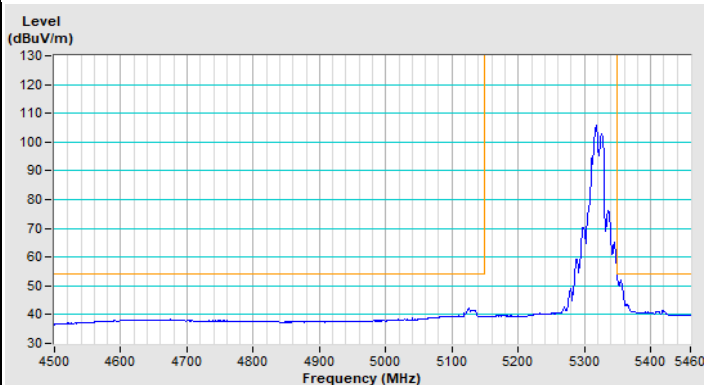


Vertical (Average)

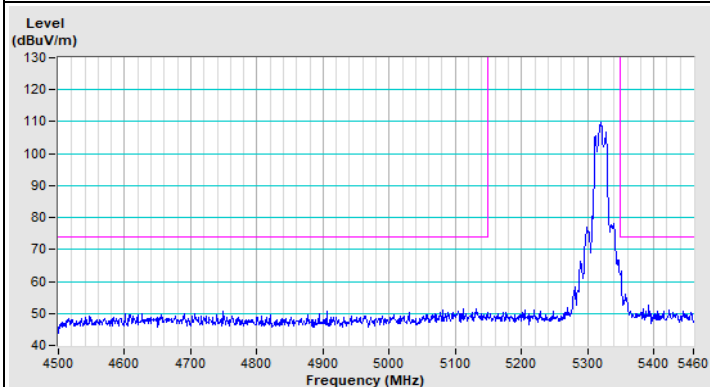
802.11ax (HE20) Channel 64



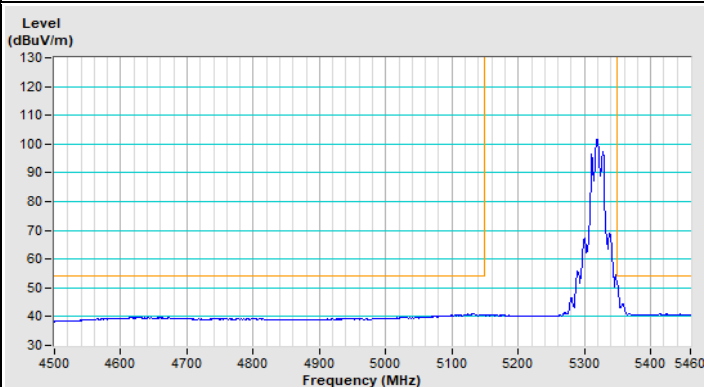
Horizontal (Peak)



Horizontal (Average)



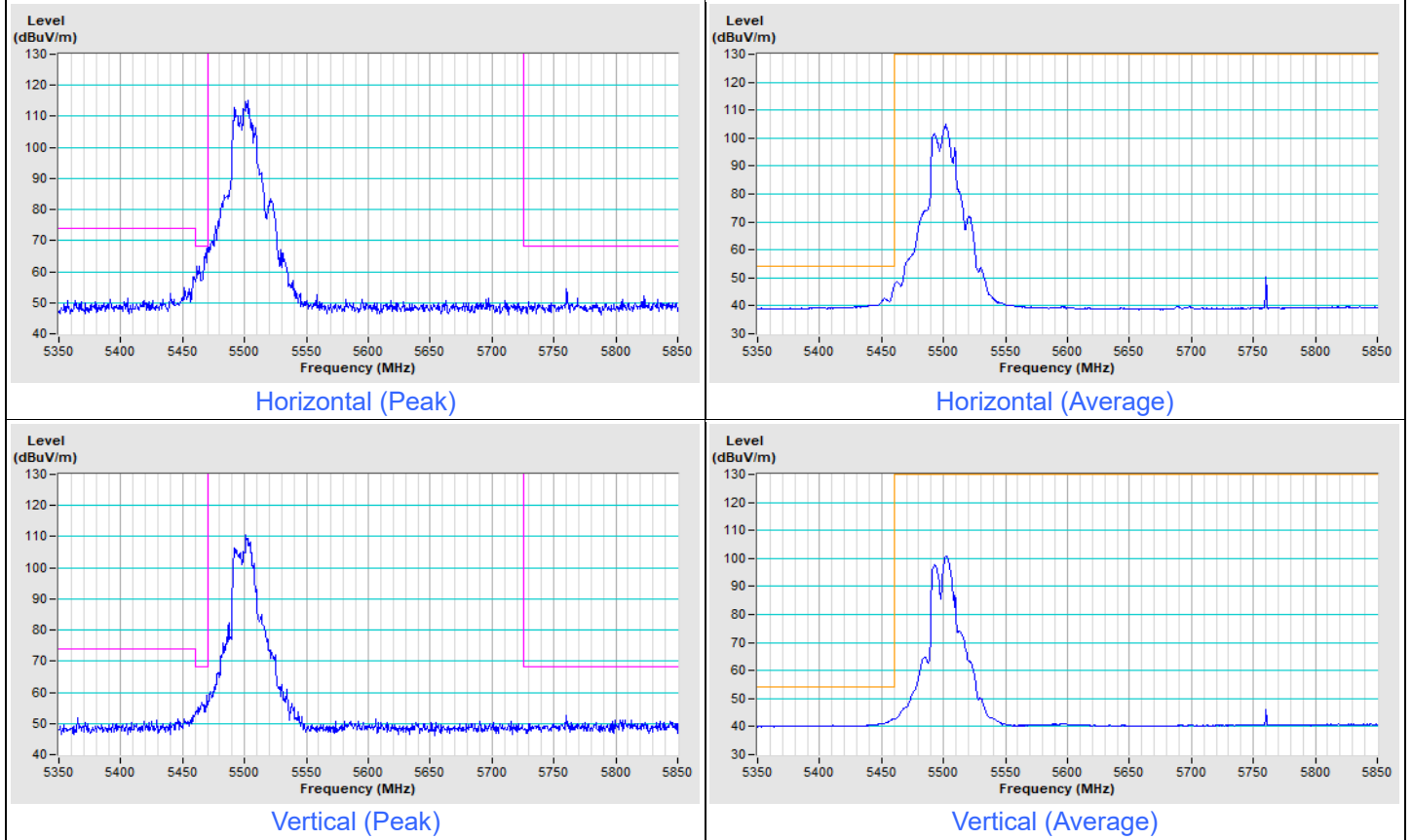
Vertical (Peak)



Vertical (Average)

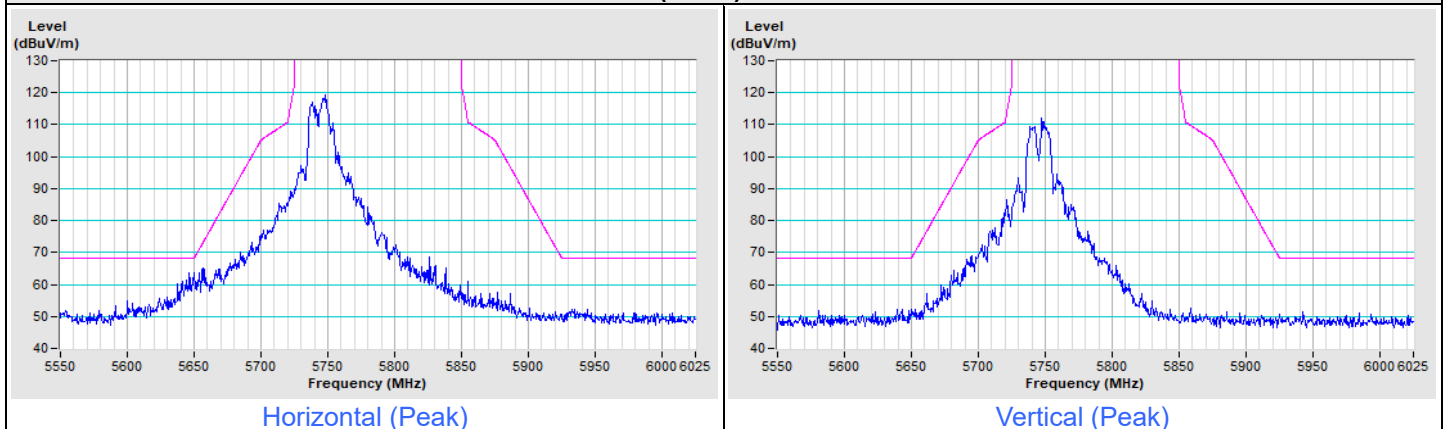
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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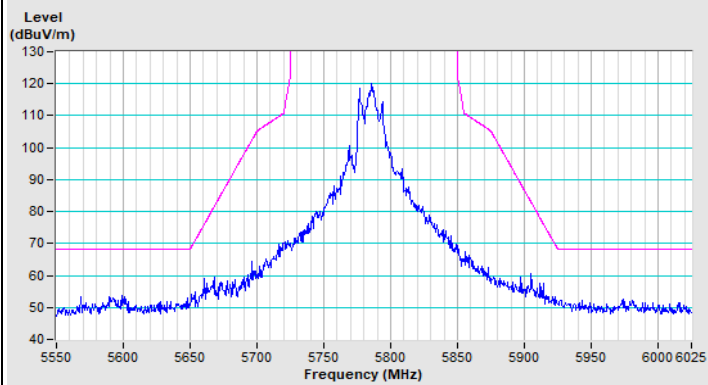
802.11ax (HE20) Channel 100



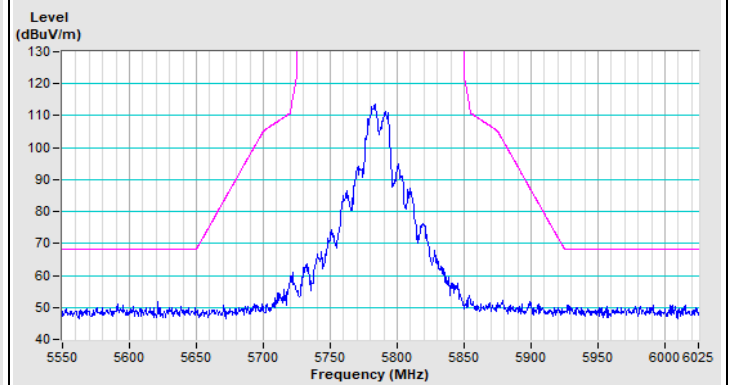
Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 149

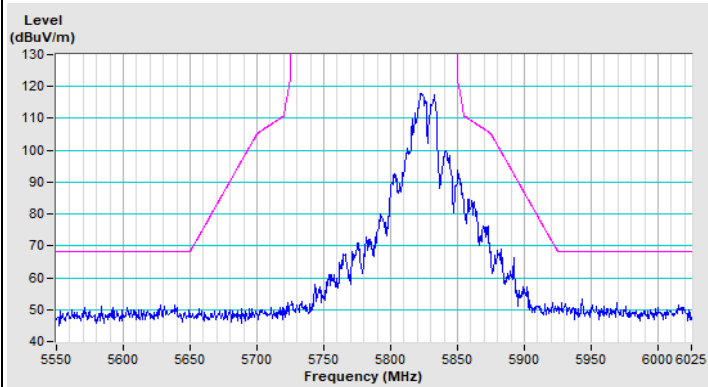


802.11ax (HE20) Channel 157

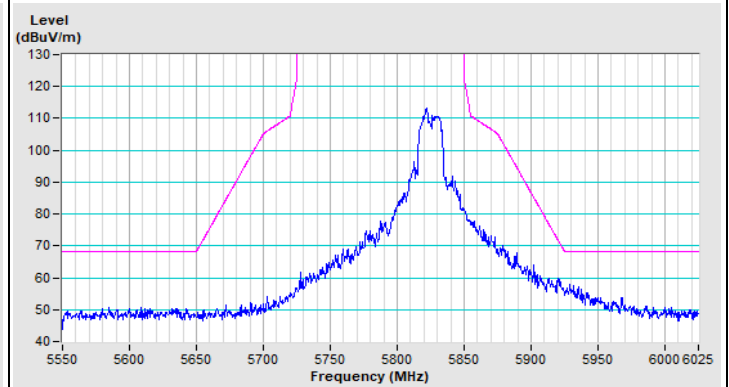
Horizontal (Peak)



Vertical (Peak)

802.11ax (HE20) Channel 165

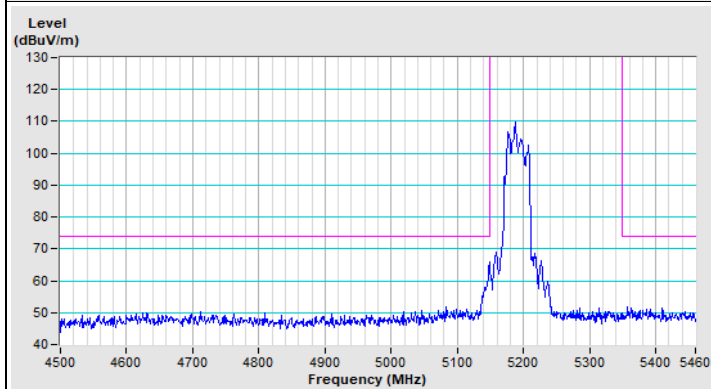
Horizontal (Peak)



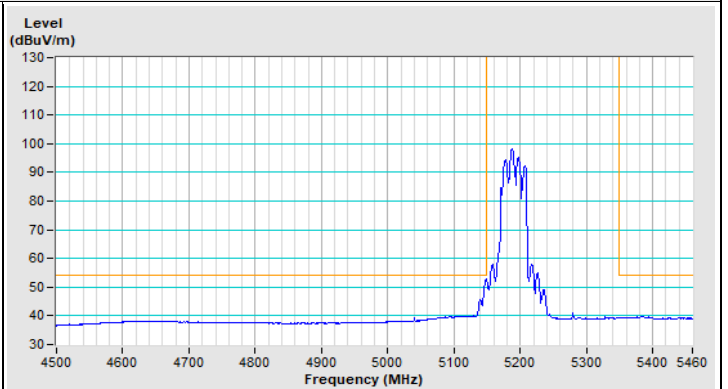
Vertical (Peak)

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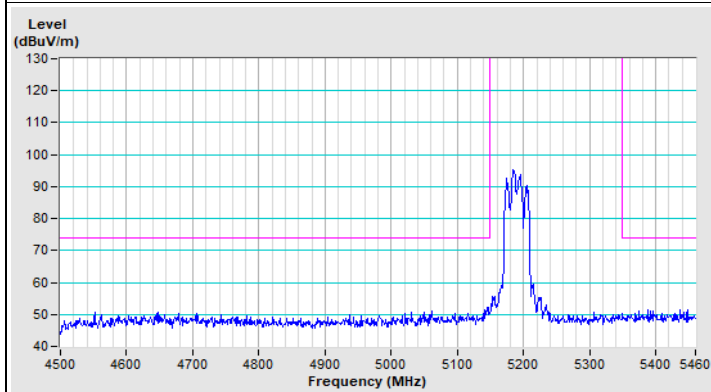
802.11ax (HE40) Channel 38



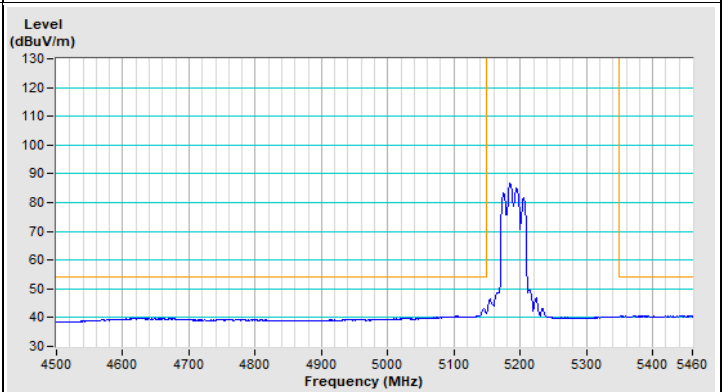
Horizontal (Peak)



Horizontal (Average)

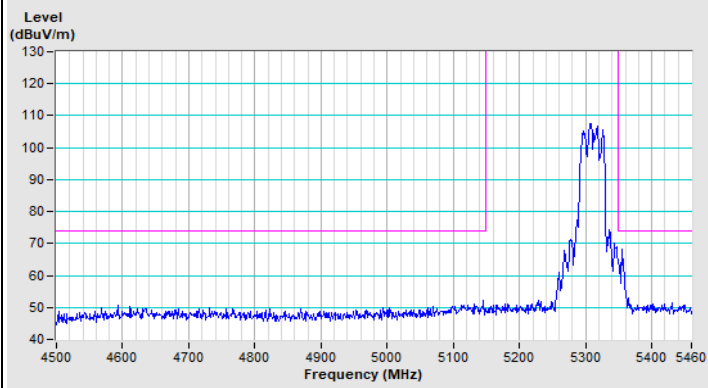


Vertical (Peak)

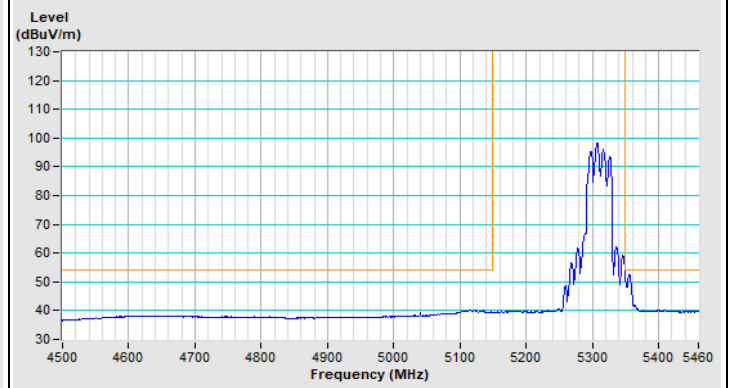


Vertical (Average)

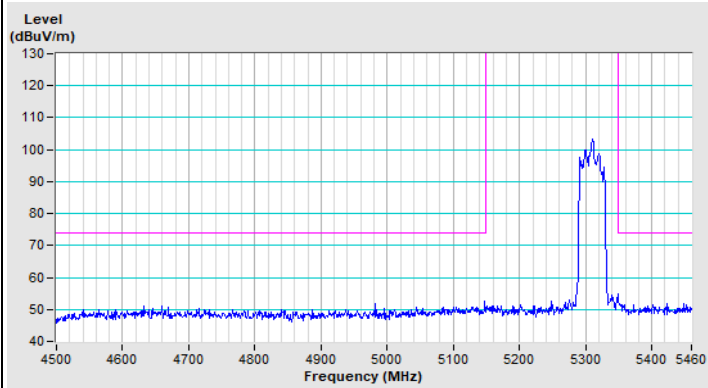
802.11ax (HE40) Channel 62



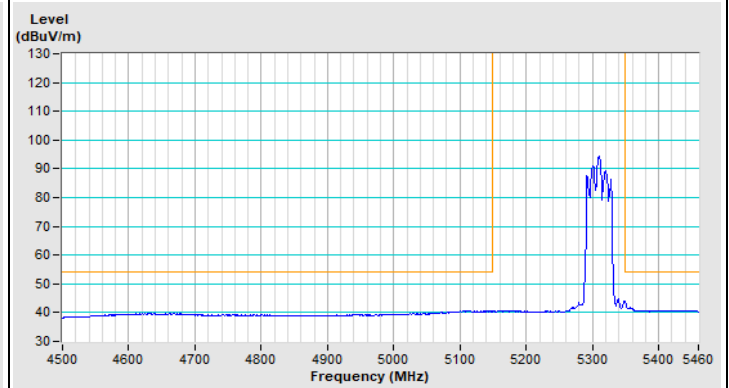
Horizontal (Peak)



Horizontal (Average)



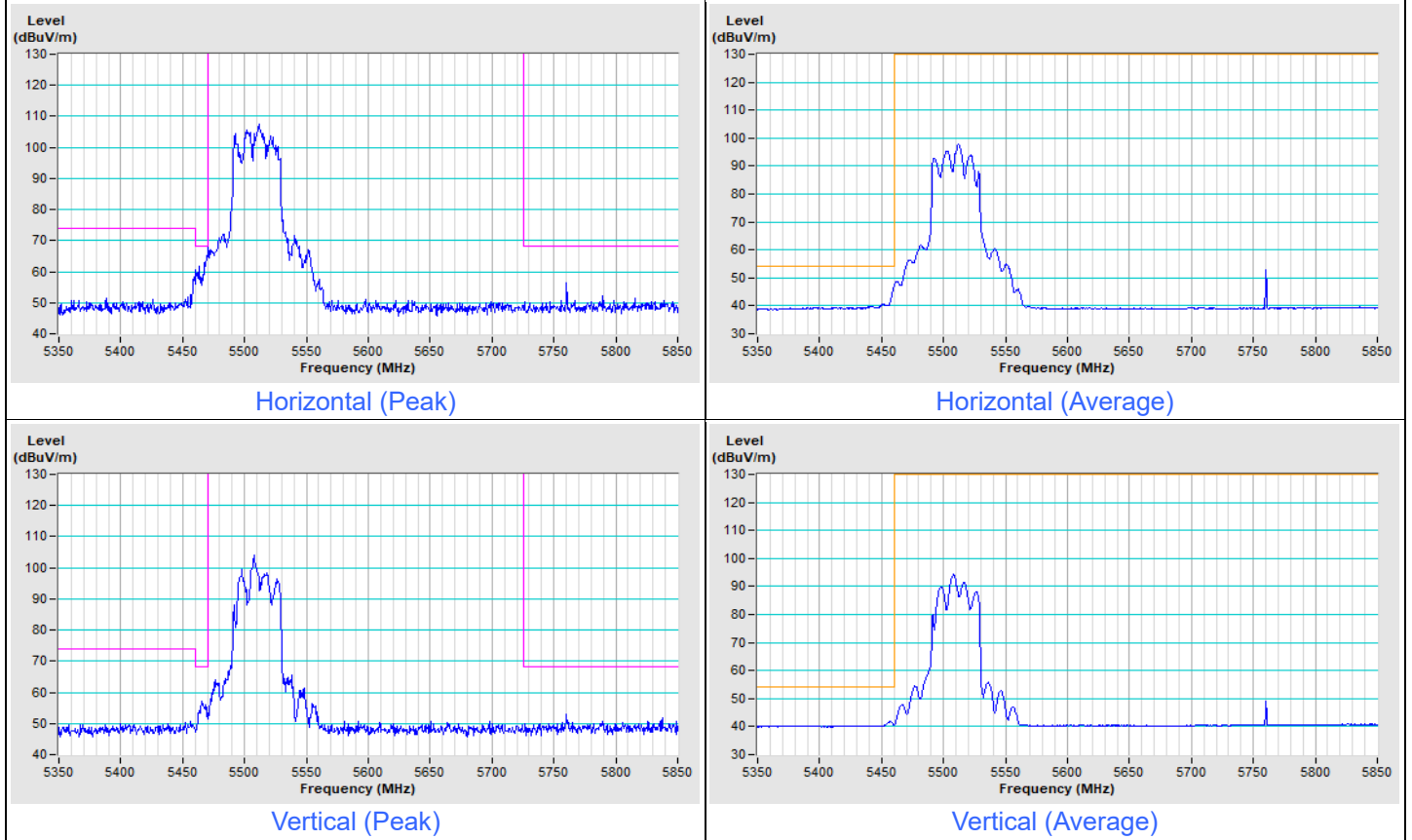
Vertical (Peak)



Vertical (Average)

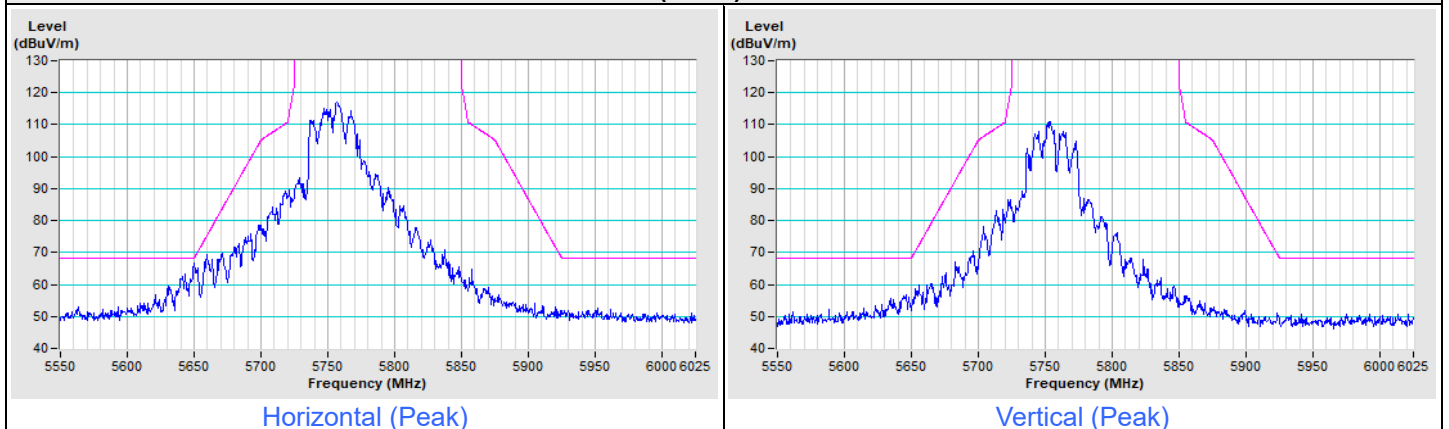
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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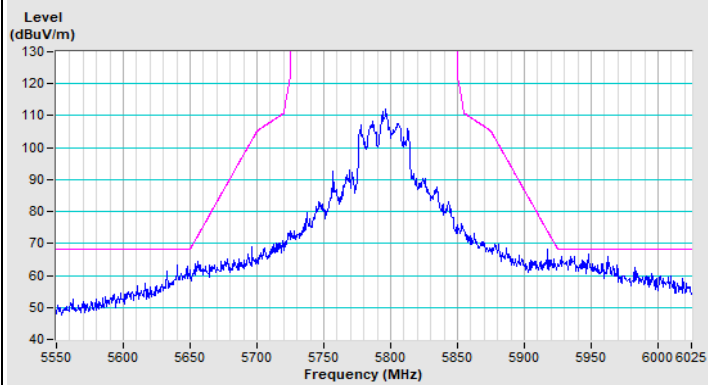
802.11ax (HE40) Channel 102



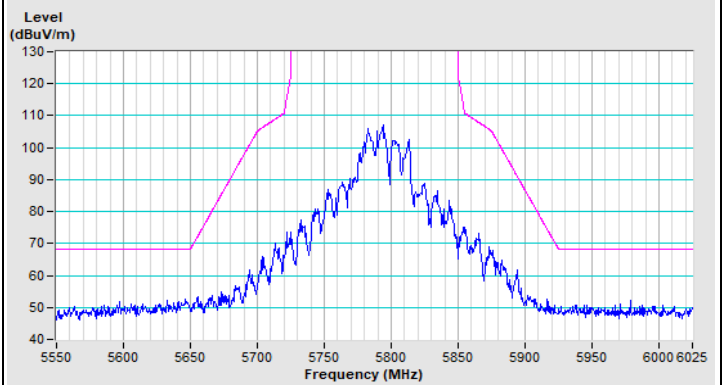
Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151



802.11ax (HE40) Channel 159

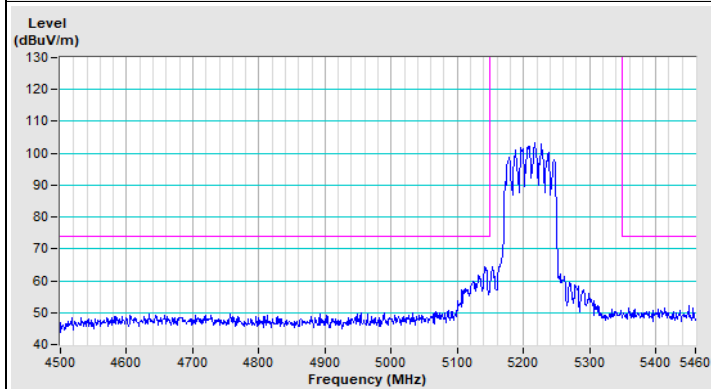
Horizontal (Peak)



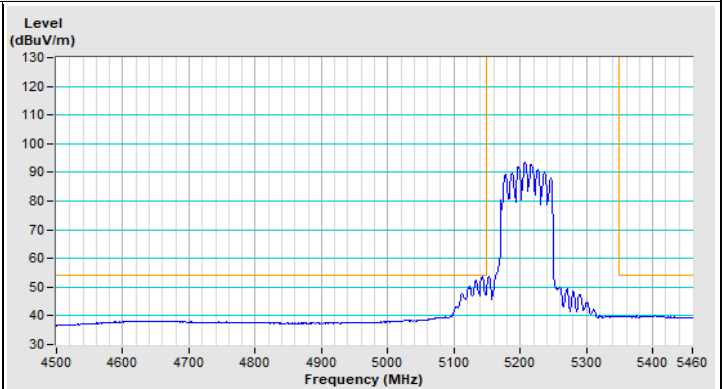
Vertical (Peak)

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=10 Hz, DET=Peak
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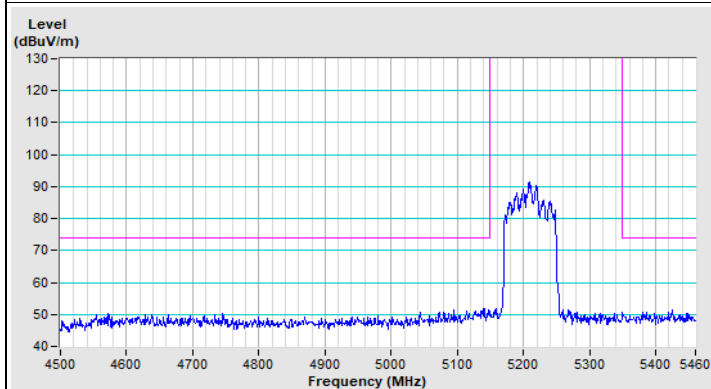
802.11ax (HE80) Channel 42



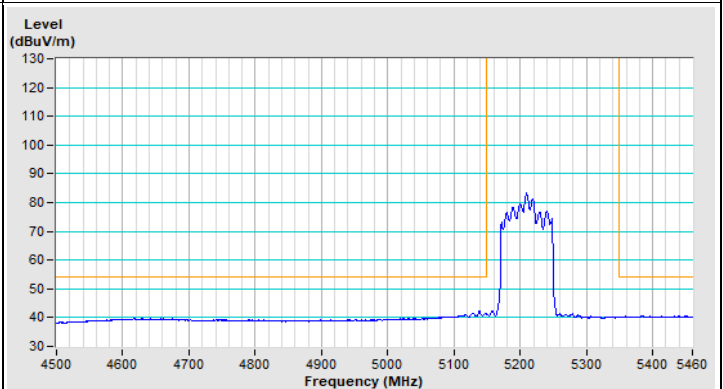
Horizontal (Peak)



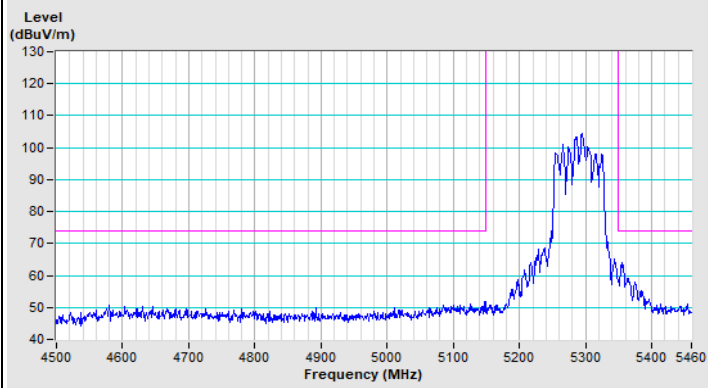
Horizontal (Average)



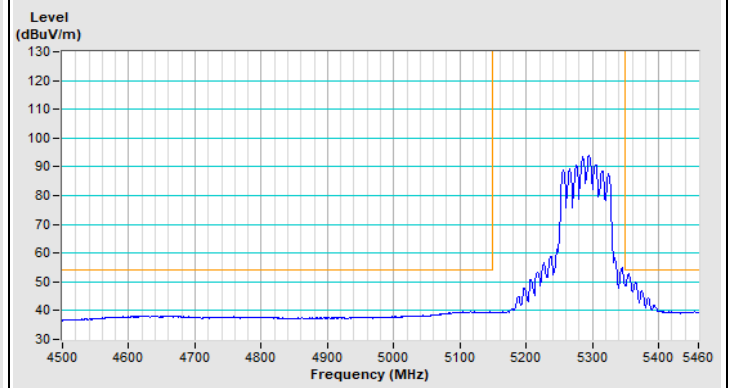
Vertical (Peak)



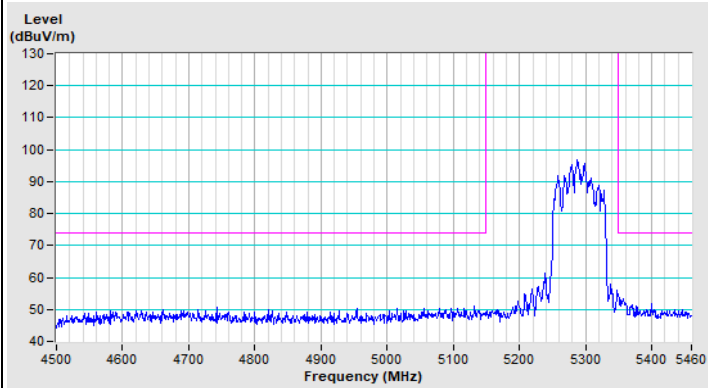
Vertical (Average)

802.11ax (HE80) Channel 58

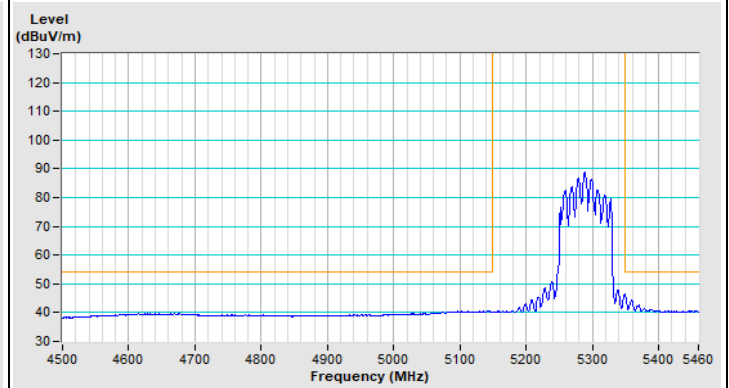
Horizontal (Peak)



Horizontal (Average)



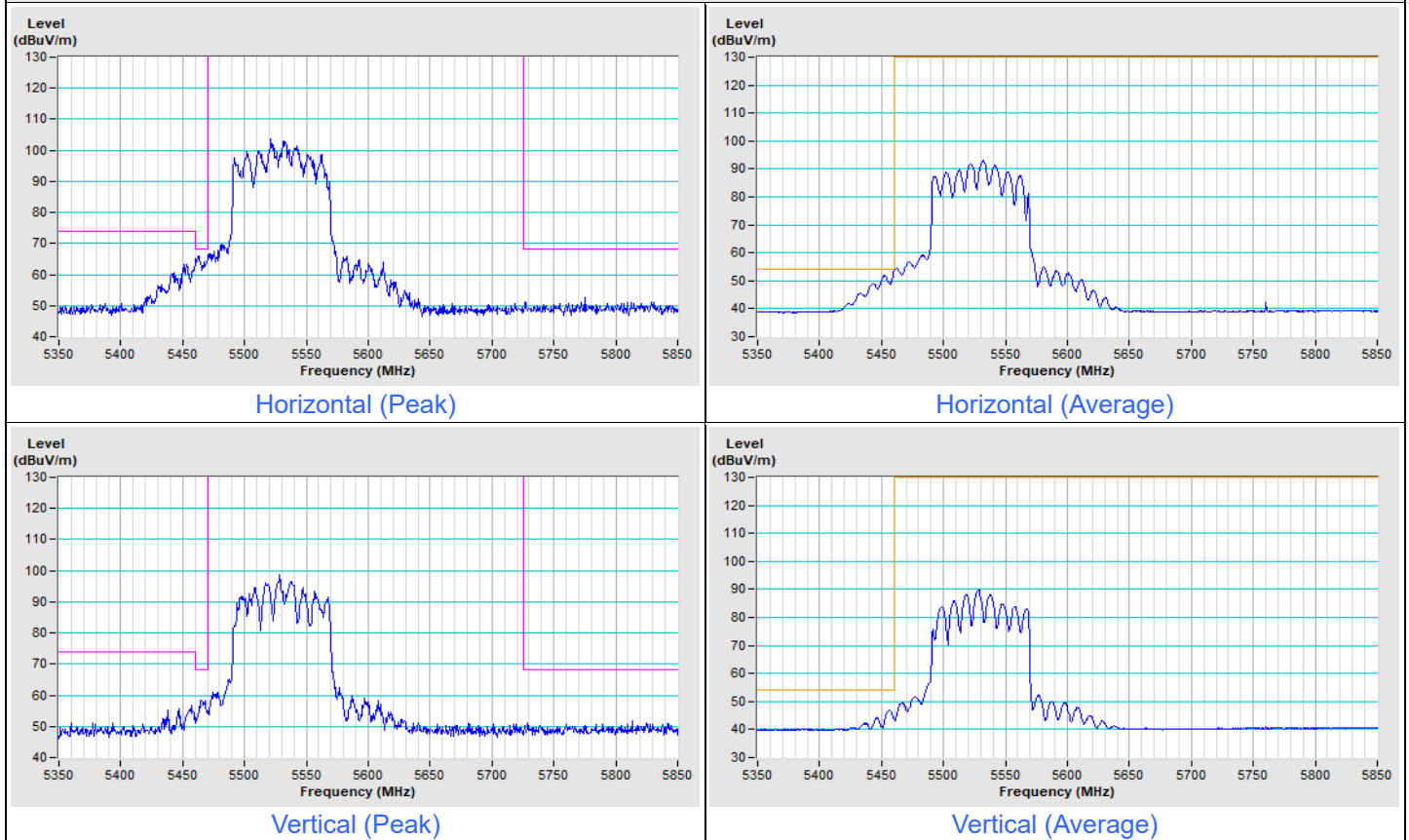
Vertical (Peak)



Vertical (Average)

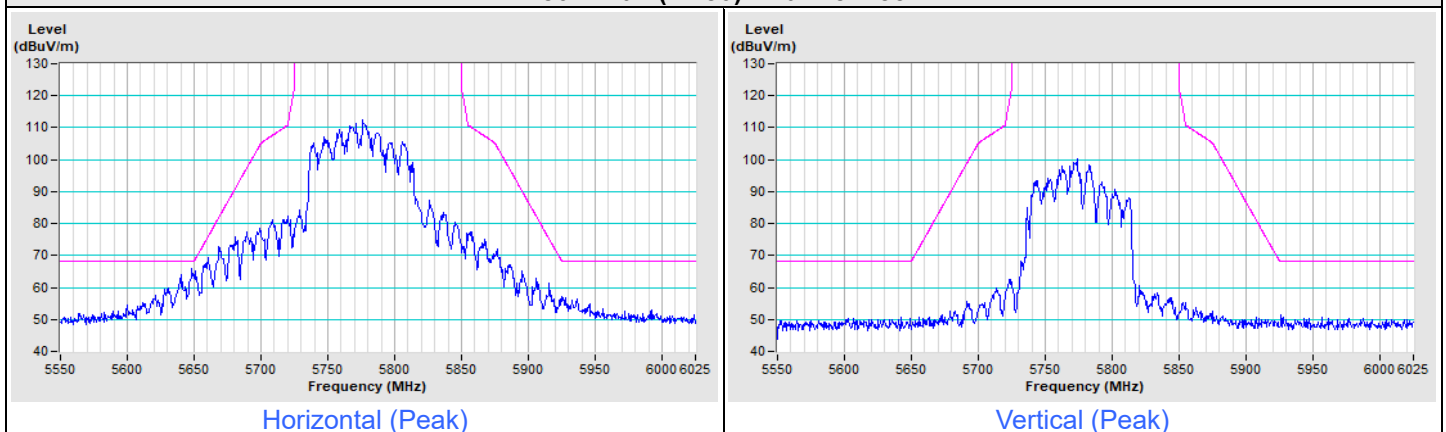
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Channel 106



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



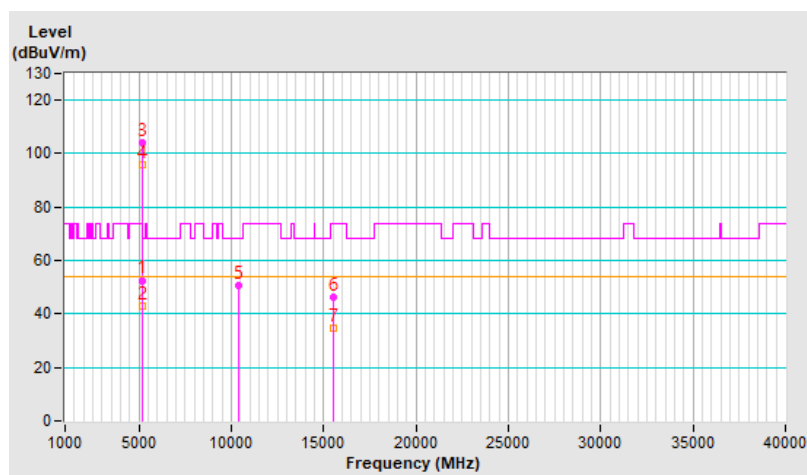
Mode B

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=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.6 PK	74.0	-21.4	2.61 H	333	49.5	3.1
2	5150.00	42.7 AV	54.0	-11.3	2.61 H	333	39.6	3.1
3	*5180.00	104.2 PK			2.61 H	333	101.4	2.8
4	*5180.00	95.6 AV			2.61 H	333	92.8	2.8
5	#10360.00	50.7 PK	68.2	-17.5	1.08 H	161	39.3	11.4
6	15540.00	46.4 PK	74.0	-27.6	1.60 H	18	34.8	11.6
7	15540.00	34.6 AV	54.0	-19.4	1.60 H	18	23.0	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.

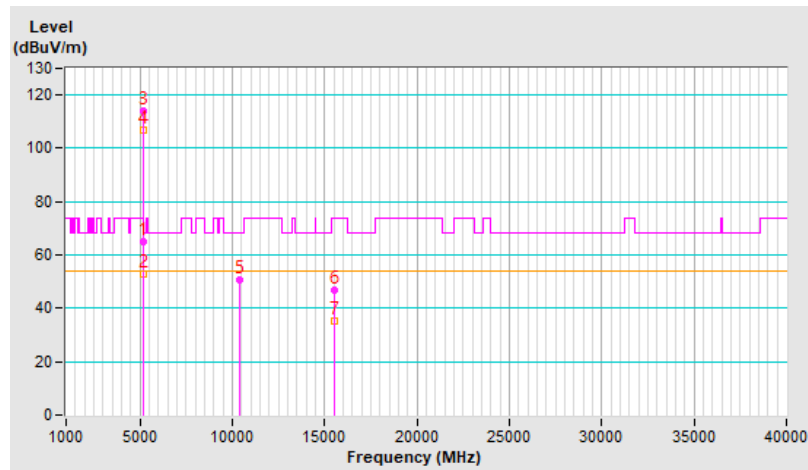


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.8 PK	74.0	-9.2	3.22 V	360	61.7	3.1
2	5150.00	52.9 AV	54.0	-1.1	3.22 V	360	49.8	3.1
3	*5180.00	114.2 PK			3.22 V	360	111.4	2.8
4	*5180.00	106.8 AV			3.22 V	360	104.0	2.8
5	#10360.00	50.7 PK	68.2	-17.5	1.05 V	152	39.3	11.4
6	15540.00	46.9 PK	74.0	-27.1	1.55 V	12	35.3	11.6
7	15540.00	35.0 AV	54.0	-19.0	1.55 V	12	23.4	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.

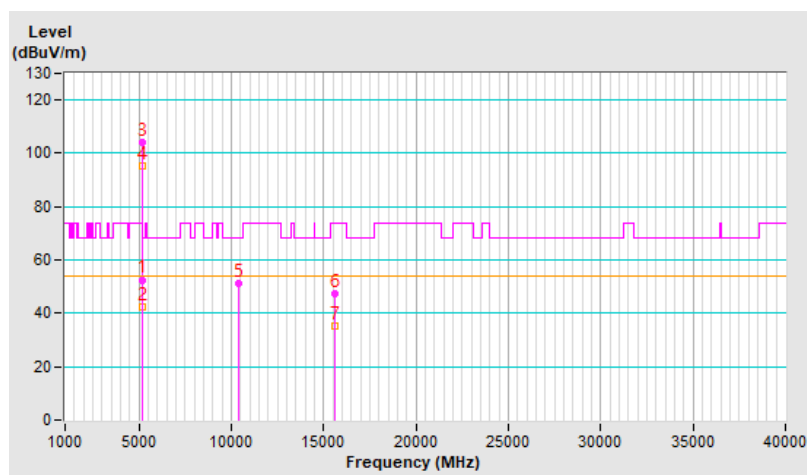


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.6 PK	74.0	-21.4	2.60 H	337	49.5	3.1
2	5150.00	42.6 AV	54.0	-11.4	2.60 H	337	39.5	3.1
3	*5200.00	103.9 PK			2.60 H	337	101.2	2.7
4	*5200.00	95.4 AV			2.60 H	337	92.7	2.7
5	#10400.00	51.2 PK	68.2	-17.0	1.08 H	139	39.5	11.7
6	15600.00	47.6 PK	74.0	-26.4	1.52 H	7	36.2	11.4
7	15600.00	35.4 AV	54.0	-18.6	1.52 H	7	24.0	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.

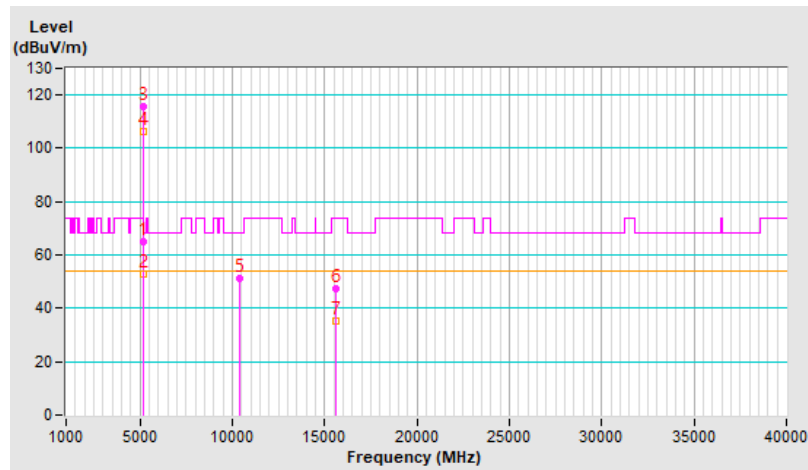


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.1 PK	74.0	-8.9	3.25 V	360	62.0	3.1
2	5150.00	53.1 AV	54.0	-0.9	3.25 V	360	50.0	3.1
3	*5200.00	115.8 PK			3.25 V	360	113.1	2.7
4	*5200.00	106.5 AV			3.25 V	360	103.8	2.7
5	#10400.00	51.0 PK	68.2	-17.2	1.06 V	139	39.3	11.7
6	15600.00	47.2 PK	74.0	-26.8	1.50 V	7	35.8	11.4
7	15600.00	35.0 AV	54.0	-19.0	1.50 V	7	23.6	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.

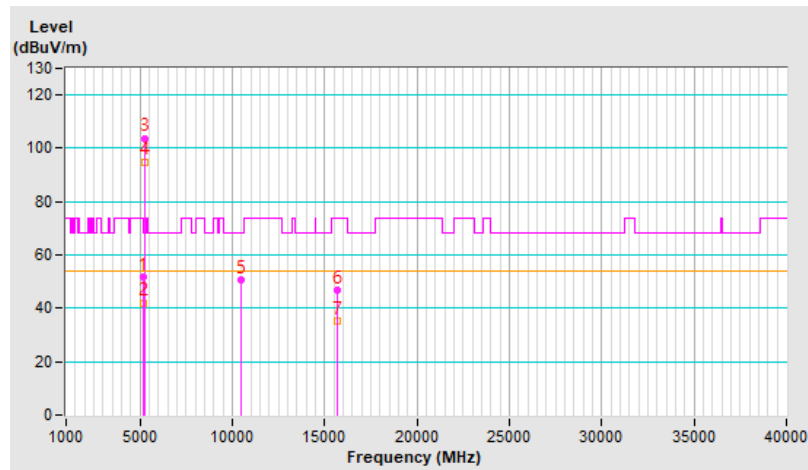


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.0 PK	74.0	-22.0	2.64 H	345	48.9	3.1
2	5150.00	42.1 AV	54.0	-11.9	2.64 H	345	39.0	3.1
3	*5240.00	103.8 PK			2.64 H	345	101.3	2.5
4	*5240.00	95.0 AV			2.64 H	345	92.5	2.5
5	#10480.00	50.7 PK	68.2	-17.5	1.09 H	159	39.0	11.7
6	15720.00	47.0 PK	74.0	-27.0	1.53 H	25	34.9	12.1
7	15720.00	35.4 AV	54.0	-18.6	1.53 H	25	23.3	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.

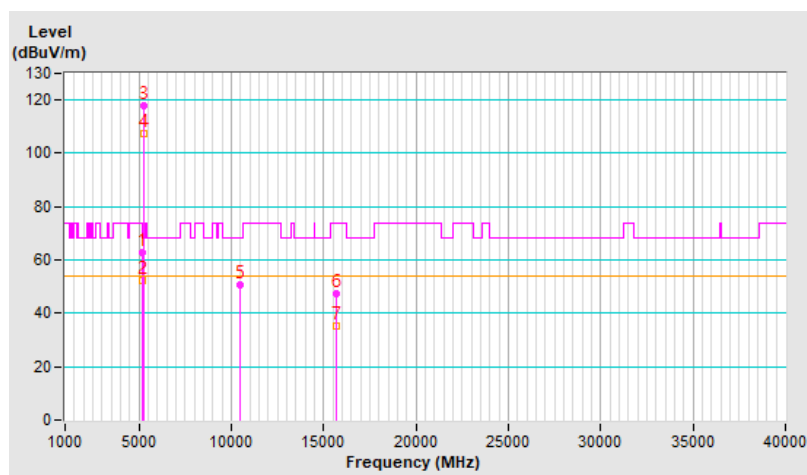


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	3.26 V	360	59.5	3.1
2	5150.00	52.5 AV	54.0	-1.5	3.26 V	360	49.4	3.1
3	*5240.00	117.8 PK			3.26 V	360	115.3	2.5
4	*5240.00	107.6 AV			3.26 V	360	105.1	2.5
5	#10480.00	50.5 PK	68.2	-17.7	1.03 V	148	38.8	11.7
6	15720.00	47.3 PK	74.0	-26.7	1.51 V	45	35.2	12.1
7	15720.00	35.2 AV	54.0	-18.8	1.51 V	45	23.1	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.

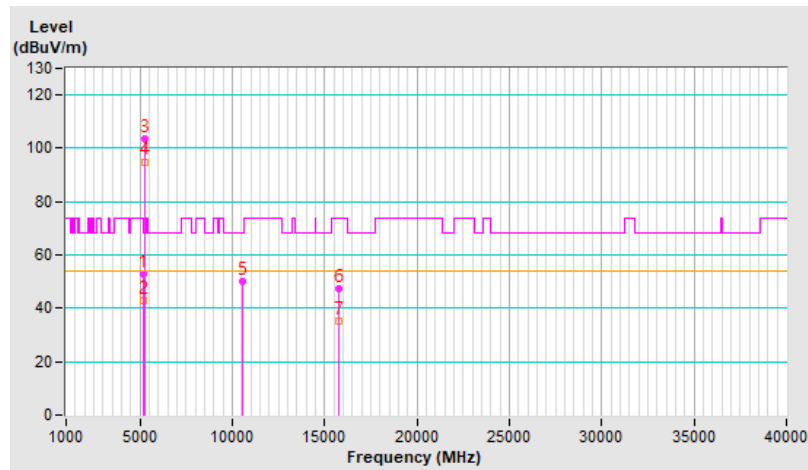


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.1 PK	74.0	-20.9	2.61 H	326	50.0	3.1
2	5150.00	42.9 AV	54.0	-11.1	2.61 H	326	39.8	3.1
3	*5260.00	103.6 PK			2.61 H	326	101.2	2.4
4	*5260.00	95.0 AV			2.61 H	326	92.6	2.4
5	#10520.00	50.2 PK	68.2	-18.0	1.04 H	142	38.4	11.8
6	15780.00	47.2 PK	74.0	-26.8	1.56 H	5	35.1	12.1
7	15780.00	35.4 AV	54.0	-18.6	1.56 H	5	23.3	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.

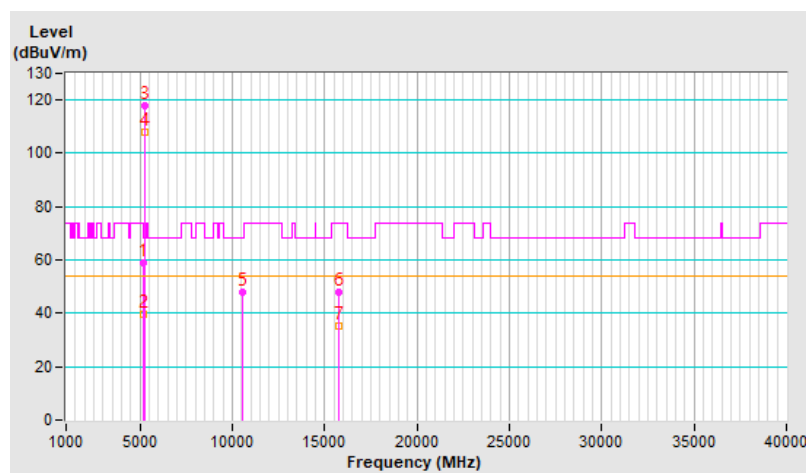


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	3.21 V	360	55.7	3.1
2	5150.00	39.6 AV	54.0	-14.4	3.21 V	360	36.5	3.1
3	*5260.00	118.1 PK			3.22 V	360	115.7	2.4
4	*5260.00	107.9 AV			3.22 V	360	105.5	2.4
5	#10520.00	47.7 PK	68.2	-20.5	1.03 V	307	35.9	11.8
6	15780.00	48.0 PK	74.0	-26.0	1.44 V	152	35.9	12.1
7	15780.00	35.1 AV	54.0	-18.9	1.44 V	152	23.0	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.

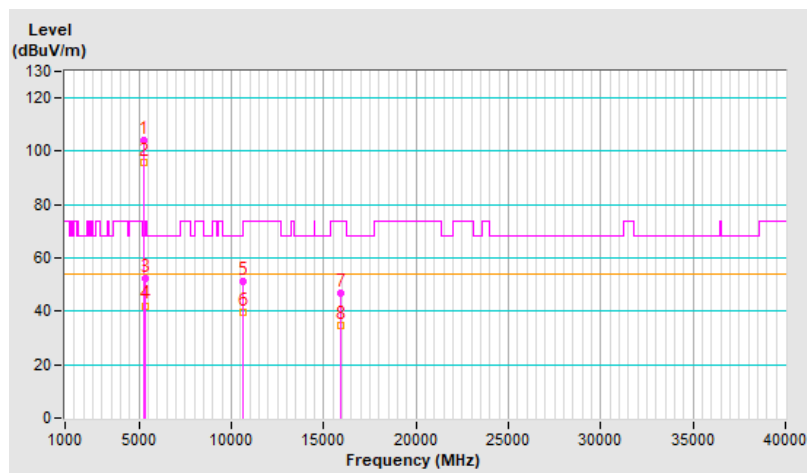


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.9 PK			2.63 H	333	101.5	2.4
2	*5300.00	95.6 AV			2.63 H	333	93.2	2.4
3	5350.00	52.1 PK	74.0	-21.9	2.63 H	333	49.2	2.9
4	5350.00	42.1 AV	54.0	-11.9	2.63 H	333	39.2	2.9
5	10600.00	51.1 PK	74.0	-22.9	1.10 H	153	39.3	11.8
6	10600.00	39.5 AV	54.0	-14.5	1.10 H	153	27.7	11.8
7	15900.00	46.9 PK	74.0	-27.1	1.55 H	0	35.3	11.6
8	15900.00	34.9 AV	54.0	-19.1	1.55 H	0	23.3	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.

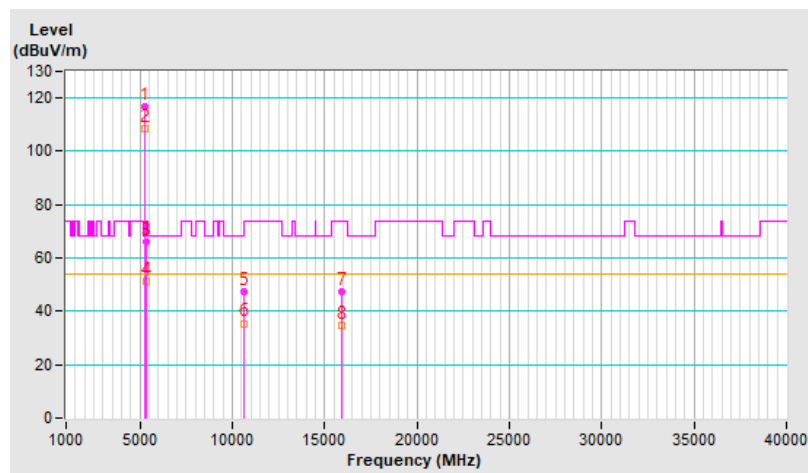


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.8 PK			2.02 V	98	114.4	2.4
2	*5300.00	108.6 AV			2.02 V	98	106.2	2.4
3	5350.00	66.1 PK	74.0	-7.9	2.02 V	98	63.2	2.9
4	5350.00	51.4 AV	54.0	-2.6	2.02 V	98	48.5	2.9
5	10600.00	47.4 PK	74.0	-26.6	1.00 V	302	35.6	11.8
6	10600.00	35.5 AV	54.0	-18.5	1.00 V	302	23.7	11.8
7	15900.00	47.4 PK	74.0	-26.6	1.50 V	145	35.8	11.6
8	15900.00	34.6 AV	54.0	-19.4	1.50 V	145	23.0	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.

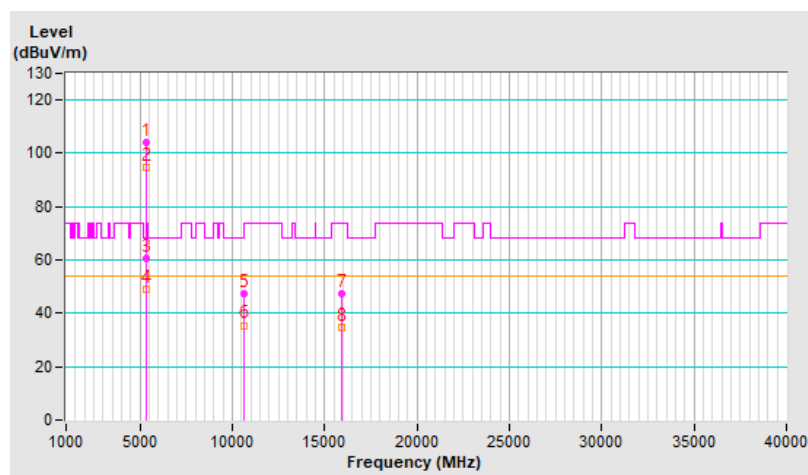


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	104.2 PK			2.82 H	216	101.6	2.6
2	*5320.00	94.5 AV			2.82 H	216	91.9	2.6
3	5350.00	60.5 PK	74.0	-13.5	2.82 H	216	57.6	2.9
4	5350.00	48.9 AV	54.0	-5.1	2.82 H	216	46.0	2.9
5	10640.00	47.1 PK	74.0	-26.9	1.07 H	299	35.2	11.9
6	10640.00	35.5 AV	54.0	-18.5	1.07 H	299	23.6	11.9
7	15960.00	47.2 PK	74.0	-26.8	1.58 H	156	35.7	11.5
8	15960.00	34.6 AV	54.0	-19.4	1.58 H	156	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.

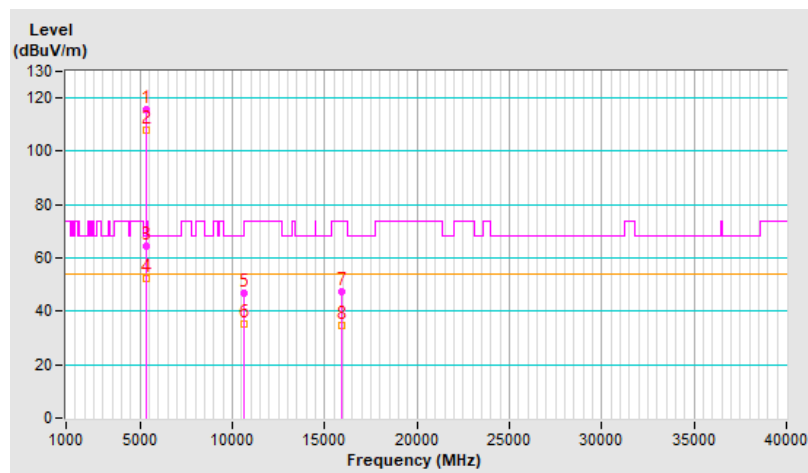


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.7 PK			2.03 V	96	113.1	2.6
2	*5320.00	107.8 AV			2.03 V	96	105.2	2.6
3	5350.00	64.3 PK	74.0	-9.7	2.03 V	96	61.4	2.9
4	5350.00	52.3 AV	54.0	-1.7	2.03 V	96	49.4	2.9
5	10640.00	46.8 PK	74.0	-27.2	1.03 V	314	34.9	11.9
6	10640.00	35.1 AV	54.0	-18.9	1.03 V	314	23.2	11.9
7	15960.00	47.6 PK	74.0	-26.4	1.53 V	147	36.1	11.5
8	15960.00	34.8 AV	54.0	-19.2	1.53 V	147	23.3	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.

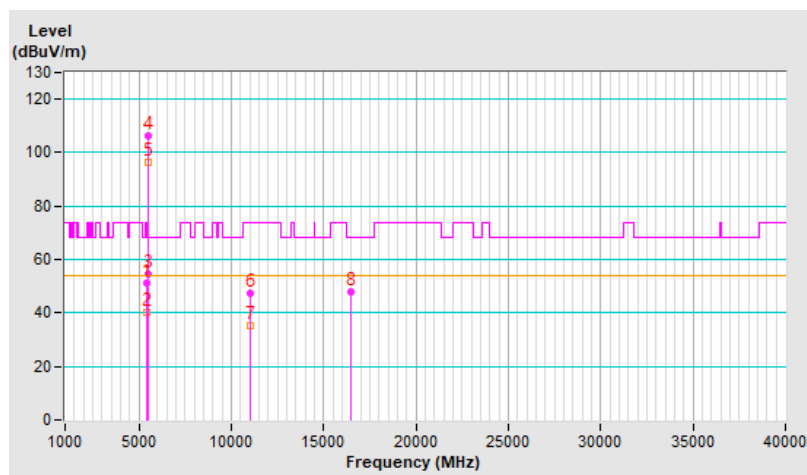


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.3 PK	74.0	-22.7	3.21 H	207	48.3	3.0
2	5460.00	40.0 AV	54.0	-14.0	3.21 H	207	37.0	3.0
3	#5470.00	54.3 PK	68.2	-13.9	3.21 H	207	51.3	3.0
4	*5500.00	106.2 PK			3.21 H	207	103.3	2.9
5	*5500.00	96.4 AV			3.21 H	207	93.5	2.9
6	11000.00	47.2 PK	74.0	-26.8	1.06 H	314	34.7	12.5
7	11000.00	35.4 AV	54.0	-18.6	1.06 H	314	22.9	12.5
8	#16500.00	47.8 PK	68.2	-20.4	1.59 H	155	33.3	14.5

Remarks:

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

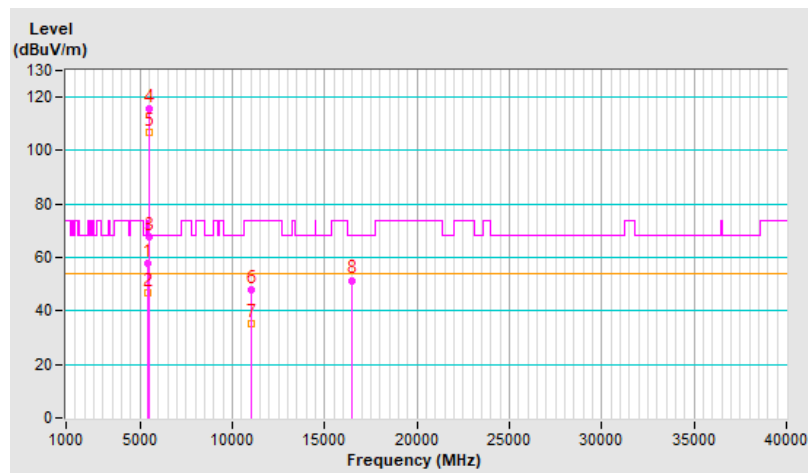


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.8 PK	74.0	-16.2	2.07 V	286	54.8	3.0
2	5460.00	46.9 AV	54.0	-7.1	2.07 V	286	43.9	3.0
3	#5470.00	67.7 PK	68.2	-0.5	2.07 V	286	64.7	3.0
4	*5500.00	115.6 PK			2.07 V	286	112.7	2.9
5	*5500.00	107.0 AV			2.07 V	286	104.1	2.9
6	11000.00	47.8 PK	74.0	-26.2	1.51 V	2	35.3	12.5
7	11000.00	35.3 AV	54.0	-18.7	1.51 V	2	22.8	12.5
8	#16500.00	51.5 PK	68.2	-16.7	1.14 V	204	37.0	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.

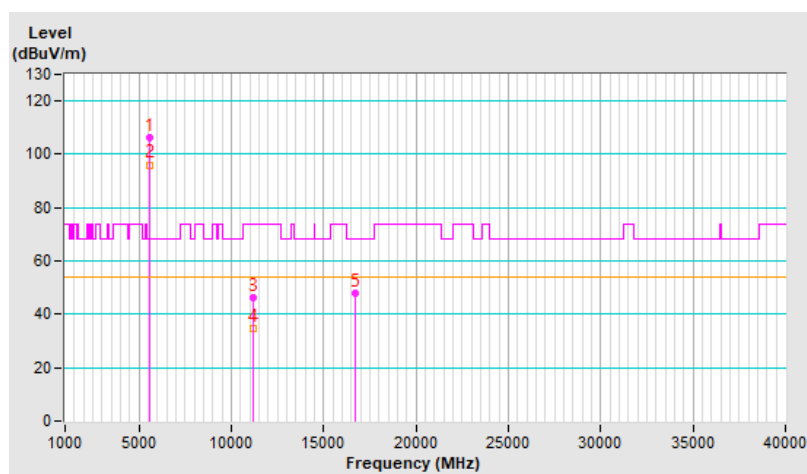


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	106.2 PK			3.23 H	222	103.3	2.9
2	*5580.00	96.1 AV			3.23 H	222	93.2	2.9
3	11160.00	46.5 PK	74.0	-27.5	1.02 H	320	34.3	12.2
4	11160.00	34.7 AV	54.0	-19.3	1.02 H	320	22.5	12.2
5	#16740.00	48.0 PK	68.2	-20.2	1.58 H	162	33.4	14.6

Remarks:

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

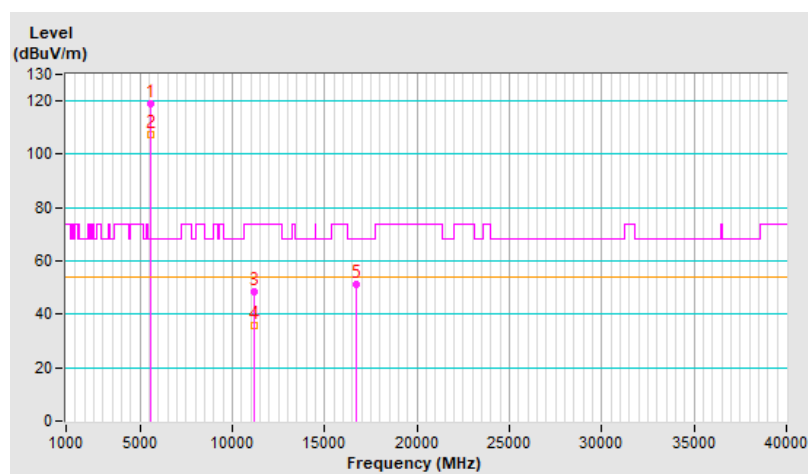


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	119.2 PK			1.53 V	253	116.3	2.9
2	*5580.00	107.4 AV			1.53 V	253	104.5	2.9
3	11160.00	48.2 PK	74.0	-25.8	1.48 V	10	36.0	12.2
4	11160.00	35.6 AV	54.0	-18.4	1.48 V	10	23.4	12.2
5	#16740.00	51.1 PK	68.2	-17.1	1.11 V	222	36.5	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.

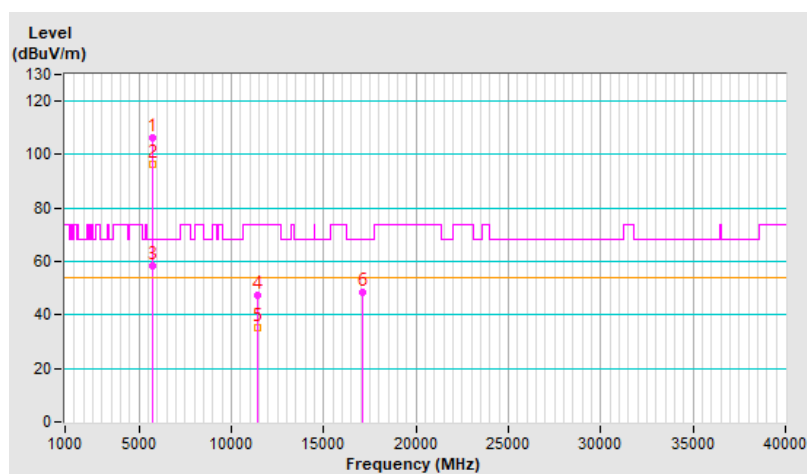


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.2 PK			3.25 H	211	103.0	3.2
2	*5700.00	96.2 AV			3.25 H	211	93.0	3.2
3	#5725.00	58.6 PK	68.2	-9.6	3.25 H	211	55.2	3.4
4	11400.00	47.2 PK	74.0	-26.8	1.00 H	299	34.9	12.3
5	11400.00	35.2 AV	54.0	-18.8	1.00 H	299	22.9	12.3
6	#17100.00	48.2 PK	68.2	-20.0	1.53 H	161	31.0	17.2

Remarks:

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

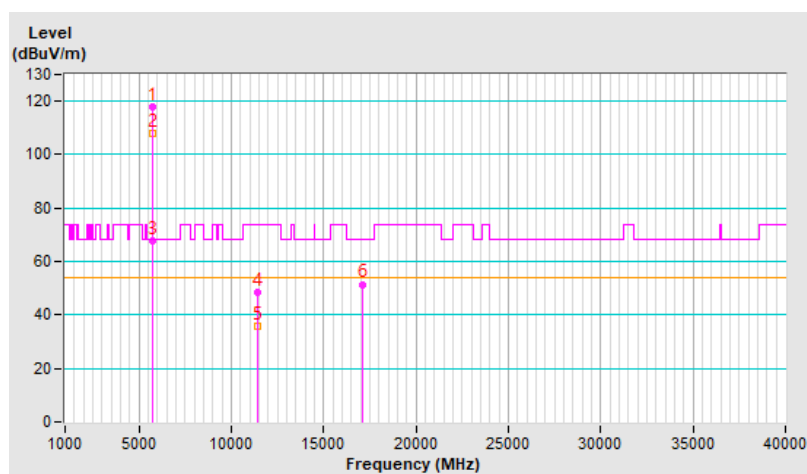


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.8 PK			1.81 V	182	114.6	3.2
2	*5700.00	107.8 AV			1.81 V	182	104.6	3.2
3	#5725.00	67.8 PK	68.2	-0.4	1.81 V	182	64.4	3.4
4	11400.00	48.3 PK	74.0	-25.7	1.50 V	1	36.0	12.3
5	11400.00	35.7 AV	54.0	-18.3	1.50 V	1	23.4	12.3
6	#17100.00	51.5 PK	68.2	-16.7	1.11 V	212	34.3	17.2

Remarks:

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

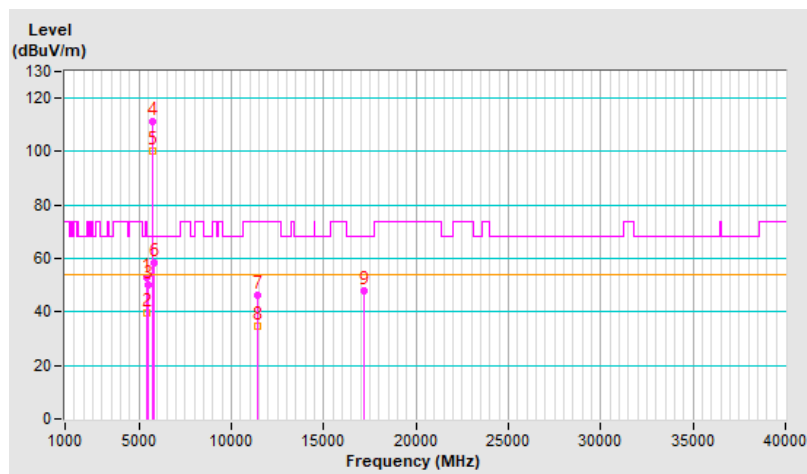


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.9 PK	74.0	-21.1	3.28 H	211	49.9	3.0
2	5460.00	39.6 AV	54.0	-14.4	3.28 H	211	36.6	3.0
3	#5470.00	50.0 PK	68.2	-18.2	3.28 H	211	47.0	3.0
4	*5720.00	111.0 PK			3.28 H	211	107.7	3.3
5	*5720.00	100.0 AV			3.28 H	211	96.7	3.3
6	#5850.00	58.4 PK	68.2	-9.8	3.28 H	211	54.6	3.8
7	11440.00	46.2 PK	74.0	-27.8	1.02 H	322	33.8	12.4
8	11440.00	34.7 AV	54.0	-19.3	1.02 H	322	22.3	12.4
9	#17160.00	48.0 PK	68.2	-20.2	1.58 H	145	30.9	17.1

Remarks:

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

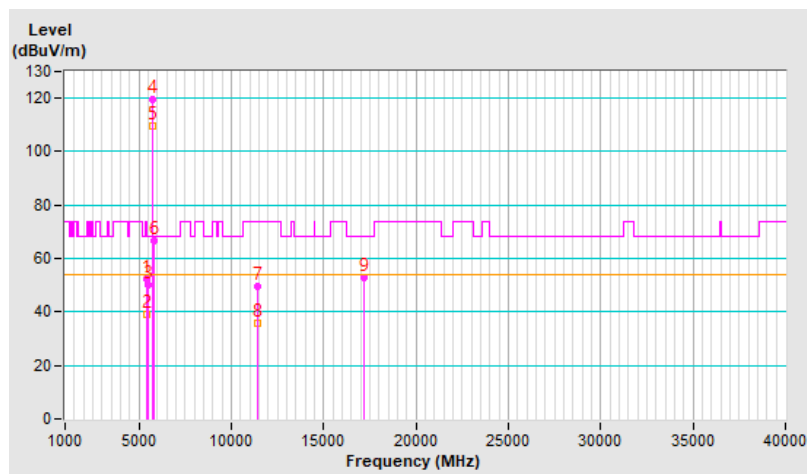


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.2 PK	74.0	-21.8	1.65 V	180	49.2	3.0
2	5460.00	39.2 AV	54.0	-14.8	1.65 V	180	36.2	3.0
3	#5470.00	50.0 PK	68.2	-18.2	1.65 V	180	47.0	3.0
4	*5720.00	119.6 PK			1.65 V	180	116.3	3.3
5	*5720.00	109.6 AV			1.65 V	180	106.3	3.3
6	#5850.00	66.4 PK	68.2	-1.8	1.65 V	180	62.6	3.8
7	11440.00	49.4 PK	74.0	-24.6	1.55 V	17	37.0	12.4
8	11440.00	35.9 AV	54.0	-18.1	1.55 V	17	23.5	12.4
9	#17160.00	52.9 PK	68.2	-15.3	1.04 V	200	35.8	17.1

Remarks:

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

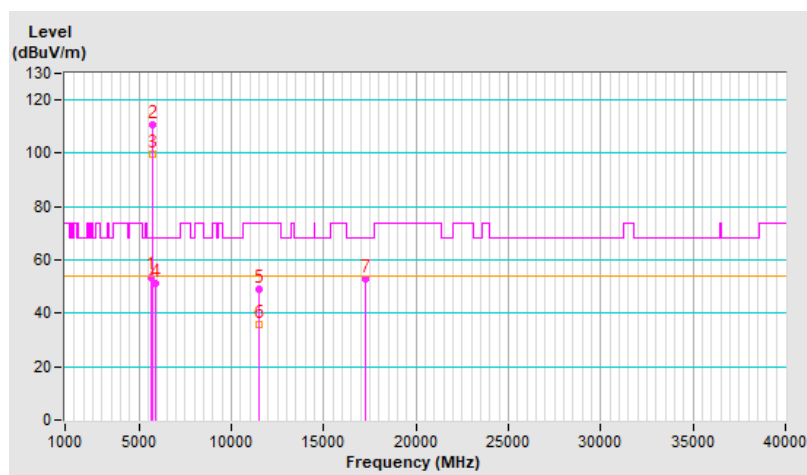


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.46	53.7 PK	68.2	-14.5	3.27 H	11	50.6	3.1
2	*5745.00	110.5 PK			3.27 H	11	107.0	3.5
3	*5745.00	99.5 AV			3.27 H	11	96.0	3.5
4	#5931.27	51.3 PK	68.2	-16.9	3.27 H	11	47.7	3.6
5	11490.00	49.2 PK	74.0	-24.8	1.42 H	39	36.8	12.4
6	11490.00	35.6 AV	54.0	-18.4	1.42 H	39	23.2	12.4
7	#17235.00	53.0 PK	68.2	-15.2	1.00 H	195	35.8	17.2

Remarks:

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

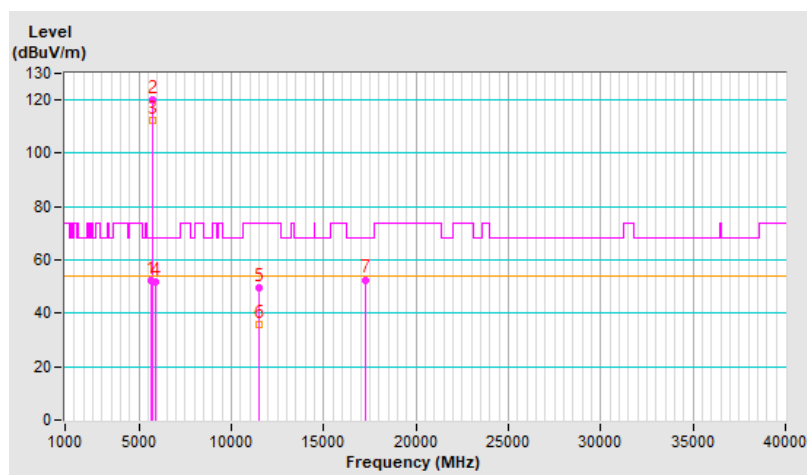


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.80	52.3 PK	68.2	-15.9	1.70 V	178	49.2	3.1
2	*5745.00	120.1 PK			1.70 V	178	116.6	3.5
3	*5745.00	112.6 AV			1.70 V	178	109.1	3.5
4	#5930.30	51.8 PK	68.2	-16.4	1.70 V	178	48.2	3.6
5	11490.00	49.5 PK	74.0	-24.5	1.47 V	29	37.1	12.4
6	11490.00	36.0 AV	54.0	-18.0	1.47 V	29	23.6	12.4
7	#17235.00	52.6 PK	68.2	-15.6	1.03 V	194	35.4	17.2

Remarks:

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

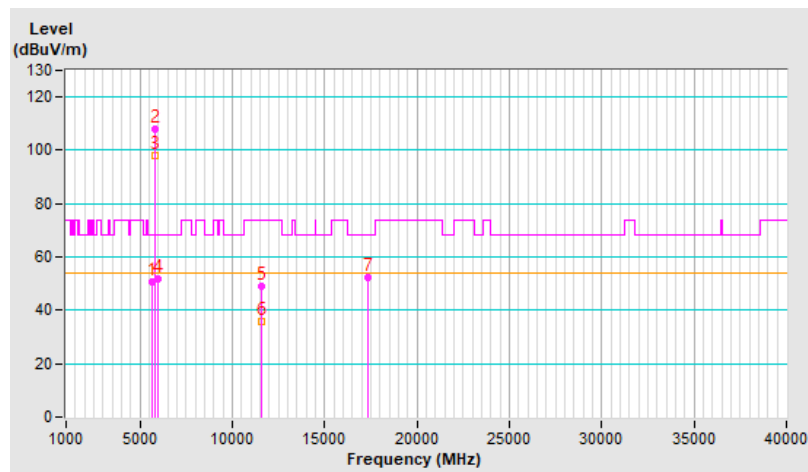


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.33	50.6 PK	68.2	-17.6	3.34 H	14	47.7	2.9
2	*5785.00	107.9 PK			3.34 H	14	104.3	3.6
3	*5785.00	97.8 AV			3.34 H	14	94.2	3.6
4	#5998.52	51.8 PK	68.2	-16.4	3.34 H	14	48.0	3.8
5	11570.00	49.2 PK	74.0	-24.8	1.53 H	37	36.9	12.3
6	11570.00	35.6 AV	54.0	-18.4	1.53 H	37	23.3	12.3
7	#17355.00	52.3 PK	68.2	-15.9	1.01 H	190	35.0	17.3

Remarks:

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

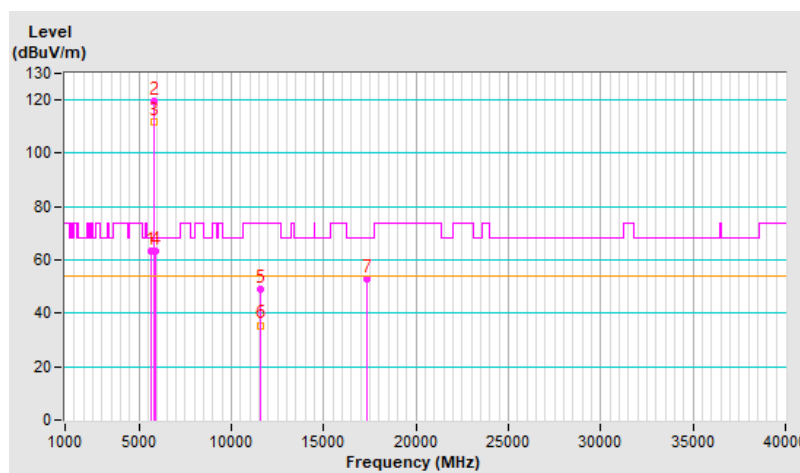


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.93	63.5 PK	68.2	-4.7	1.72 V	188	60.4	3.1
2	*5785.00	119.7 PK			1.72 V	188	116.1	3.6
3	*5785.00	111.6 AV			1.72 V	188	108.0	3.6
4	#5929.09	63.2 PK	68.2	-5.0	1.72 V	188	59.6	3.6
5	11570.00	48.9 PK	74.0	-25.1	1.50 V	21	36.6	12.3
6	11570.00	35.5 AV	54.0	-18.5	1.50 V	21	23.2	12.3
7	#17355.00	53.1 PK	68.2	-15.1	1.03 V	191	35.8	17.3

Remarks:

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

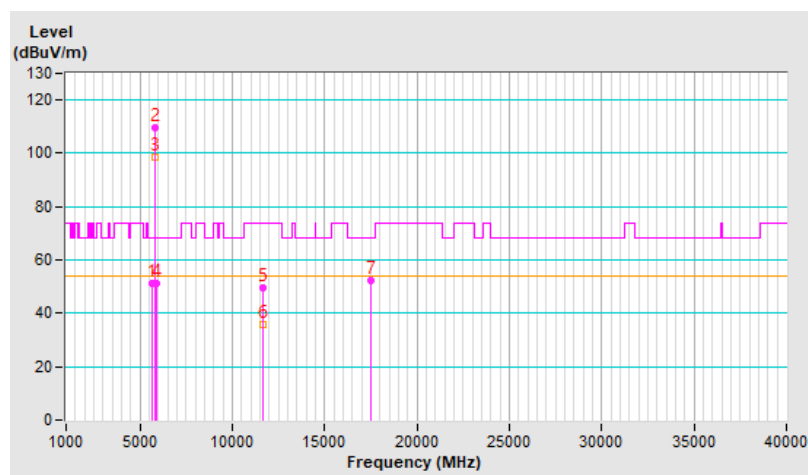


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.27	51.2 PK	68.2	-17.0	3.24 H	8	48.3	2.9
2	*5825.00	109.5 PK			3.24 H	8	105.8	3.7
3	*5825.00	98.5 AV			3.24 H	8	94.8	3.7
4	#5924.56	51.1 PK	68.2	-17.1	3.24 H	8	47.5	3.6
5	11650.00	49.6 PK	74.0	-24.4	1.52 H	25	37.7	11.9
6	11650.00	36.0 AV	54.0	-18.0	1.52 H	25	24.1	11.9
7	#17475.00	52.3 PK	68.2	-15.9	1.00 H	187	34.3	18.0

Remarks:

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

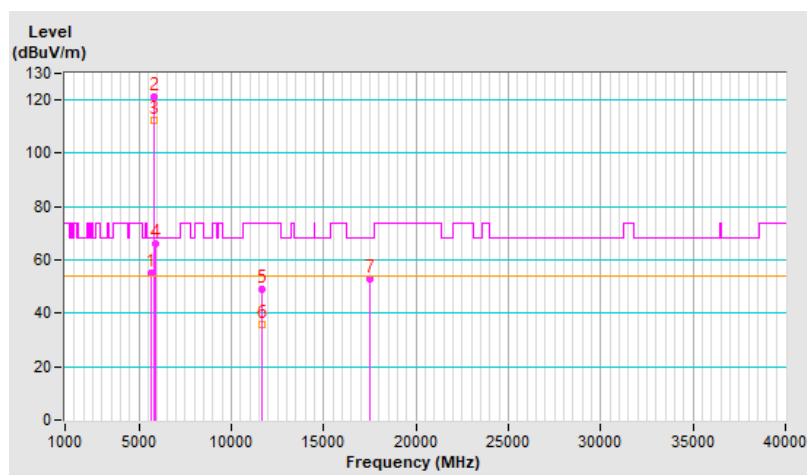


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.57	55.0 PK	68.2	-13.2	1.68 V	178	51.9	3.1
2	*5825.00	121.0 PK			1.68 V	178	117.3	3.7
3	*5825.00	112.6 AV			1.68 V	178	108.9	3.7
4	#5927.49	66.0 PK	68.2	-2.2	1.68 V	178	62.4	3.6
5	11650.00	49.0 PK	74.0	-25.0	1.47 V	14	37.1	11.9
6	11650.00	35.6 AV	54.0	-18.4	1.47 V	14	23.7	11.9
7	#17475.00	53.0 PK	68.2	-15.2	1.05 V	184	35.0	18.0

Remarks:

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

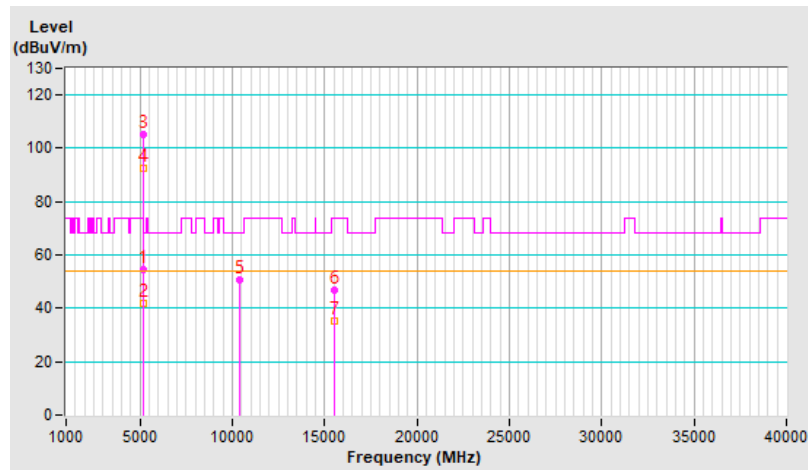


RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	54.3 PK	74.0	-19.7	2.33 H	300	51.2	3.1
2	5150.00	41.8 AV	54.0	-12.2	2.33 H	300	38.7	3.1
3	*5180.00	105.2 PK			2.33 H	300	102.4	2.8
4	*5180.00	92.7 AV			2.33 H	300	89.9	2.8
5	#10360.00	50.5 PK	68.2	-17.7	1.11 H	156	39.1	11.4
6	15540.00	46.7 PK	74.0	-27.3	1.54 H	6	35.1	11.6
7	15540.00	35.0 AV	54.0	-19.0	1.54 H	6	23.4	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.

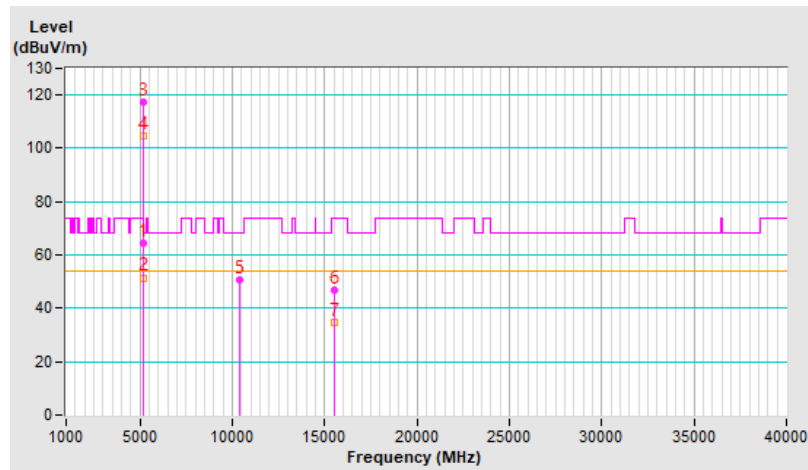


RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.4 PK	74.0	-9.6	3.20 V	360	61.3	3.1
2	5150.00	51.5 AV	54.0	-2.5	3.20 V	360	48.4	3.1
3	*5180.00	117.3 PK			3.20 V	360	114.5	2.8
4	*5180.00	104.5 AV			3.20 V	360	101.7	2.8
5	#10360.00	50.8 PK	68.2	-17.4	1.07 V	152	39.4	11.4
6	15540.00	46.6 PK	74.0	-27.4	1.50 V	5	35.0	11.6
7	15540.00	34.9 AV	54.0	-19.1	1.50 V	5	23.3	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.

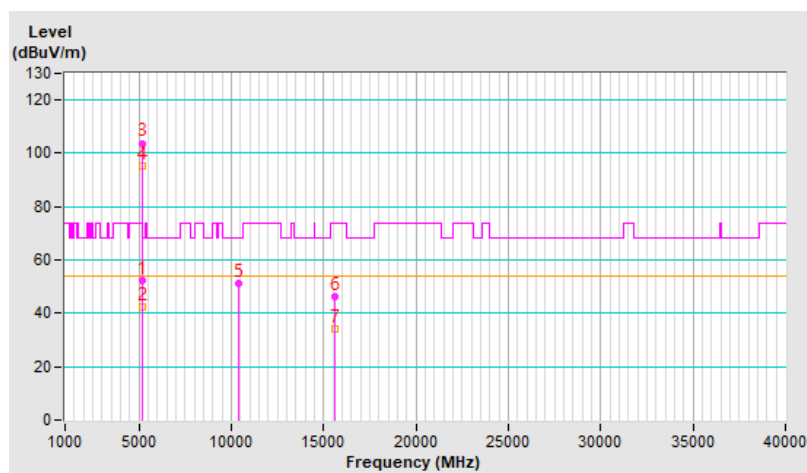


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.2 PK	74.0	-21.8	2.55 H	349	49.1	3.1
2	5150.00	42.4 AV	54.0	-11.6	2.55 H	349	39.3	3.1
3	*5200.00	103.8 PK			2.55 H	349	101.1	2.7
4	*5200.00	95.4 AV			2.55 H	349	92.7	2.7
5	#10400.00	51.3 PK	68.2	-16.9	1.03 H	152	39.6	11.7
6	15600.00	46.2 PK	74.0	-27.8	1.63 H	10	34.8	11.4
7	15600.00	34.2 AV	54.0	-19.8	1.63 H	10	22.8	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.

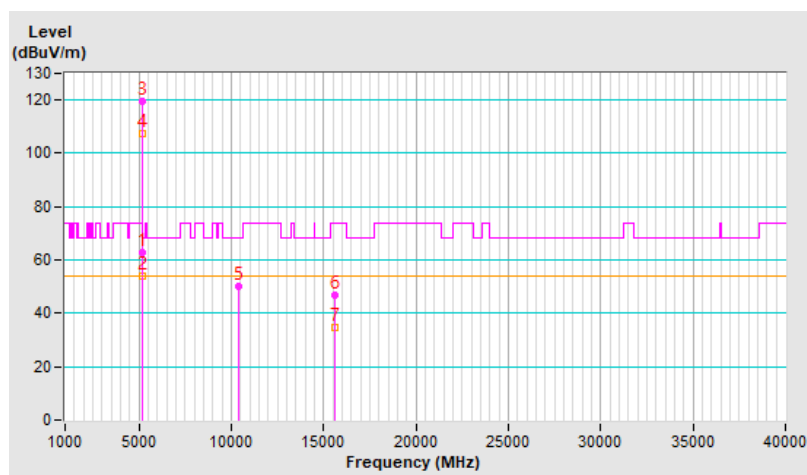


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.7 PK	74.0	-11.3	3.02 V	360	59.6	3.1
2	5150.00	53.8 AV	54.0	-0.2	3.02 V	360	50.7	3.1
3	*5200.00	119.6 PK			3.02 V	360	116.9	2.7
4	*5200.00	107.5 AV			3.02 V	360	104.8	2.7
5	#10400.00	50.3 PK	68.2	-17.9	1.06 V	140	38.6	11.7
6	15600.00	46.7 PK	74.0	-27.3	1.58 V	0	35.3	11.4
7	15600.00	34.9 AV	54.0	-19.1	1.58 V	0	23.5	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.

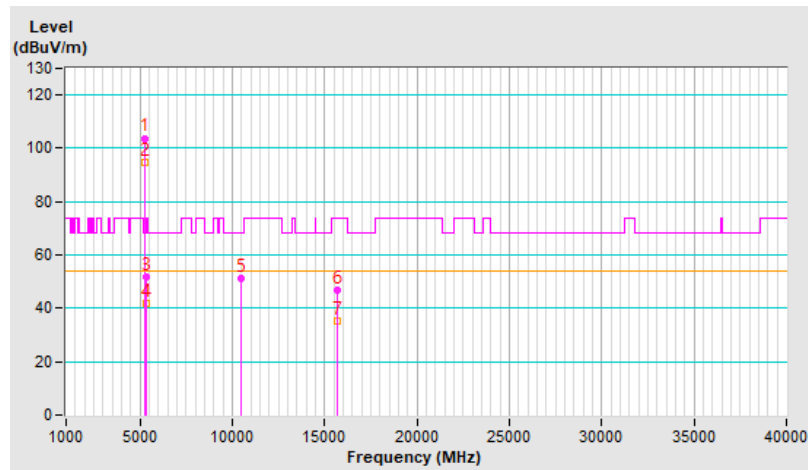


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	103.8 PK			2.62 H	337	101.3	2.5
2	*5240.00	94.9 AV			2.62 H	337	92.4	2.5
3	5350.00	51.6 PK	74.0	-22.4	2.62 H	337	48.7	2.9
4	5350.00	41.8 AV	54.0	-12.2	2.62 H	337	38.9	2.9
5	#10480.00	51.2 PK	68.2	-17.0	1.10 H	159	39.5	11.7
6	15720.00	47.0 PK	74.0	-27.0	1.66 H	6	34.9	12.1
7	15720.00	35.0 AV	54.0	-19.0	1.66 H	6	22.9	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.

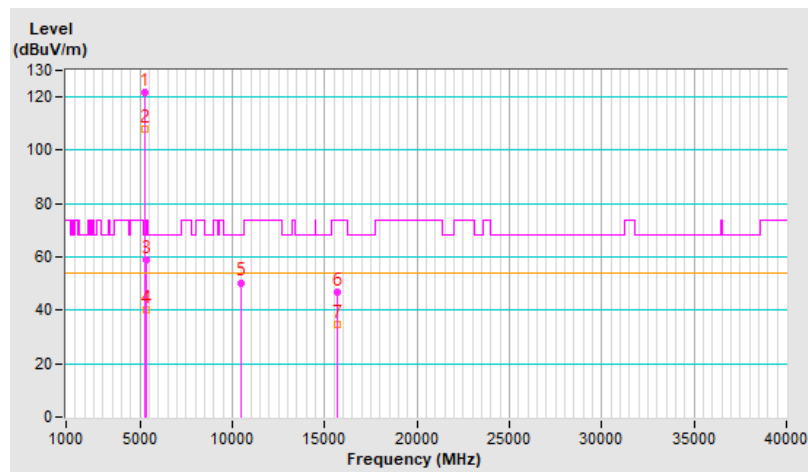


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	121.7 PK			3.04 V	360	119.2	2.5
2	*5240.00	108.1 AV			3.04 V	360	105.6	2.5
3	5350.00	58.8 PK	74.0	-15.2	3.04 V	360	55.9	2.9
4	5350.00	40.3 AV	54.0	-13.7	3.04 V	360	37.4	2.9
5	#10480.00	50.4 PK	68.2	-17.8	1.08 V	152	38.7	11.7
6	15720.00	46.6 PK	74.0	-27.4	1.55 V	23	34.5	12.1
7	15720.00	34.6 AV	54.0	-19.4	1.55 V	23	22.5	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.

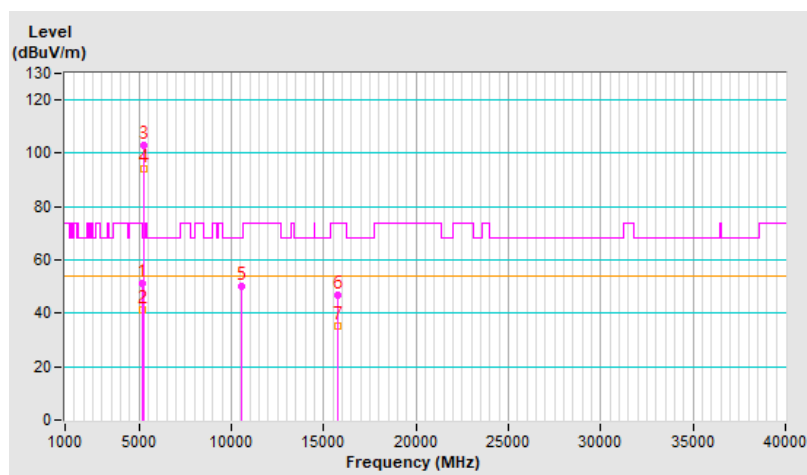


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.3 PK	74.0	-22.7	2.62 H	336	48.2	3.1
2	5150.00	41.4 AV	54.0	-12.6	2.62 H	336	38.3	3.1
3	*5260.00	103.0 PK			2.62 H	336	100.6	2.4
4	*5260.00	94.4 AV			2.62 H	336	92.0	2.4
5	#10520.00	50.3 PK	68.2	-17.9	1.02 H	155	38.5	11.8
6	15780.00	46.6 PK	74.0	-27.4	1.60 H	18	34.5	12.1
7	15780.00	35.0 AV	54.0	-19.0	1.60 H	18	22.9	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.

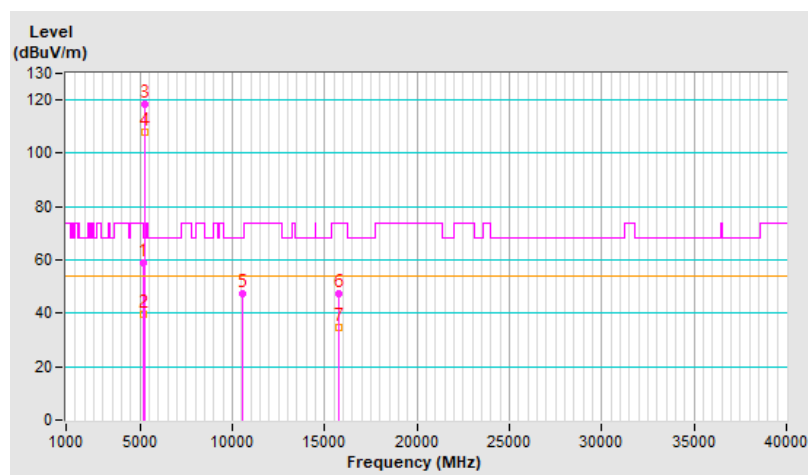


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	3.22 V	360	55.7	3.1
2	5150.00	39.7 AV	54.0	-14.3	3.22 V	360	36.6	3.1
3	*5260.00	118.5 PK			3.24 V	360	116.1	2.4
4	*5260.00	108.0 AV			3.24 V	360	105.6	2.4
5	#10520.00	47.4 PK	68.2	-20.8	1.00 V	302	35.6	11.8
6	15780.00	47.4 PK	74.0	-26.6	1.50 V	145	35.3	12.1
7	15780.00	34.6 AV	54.0	-19.4	1.50 V	145	22.5	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.

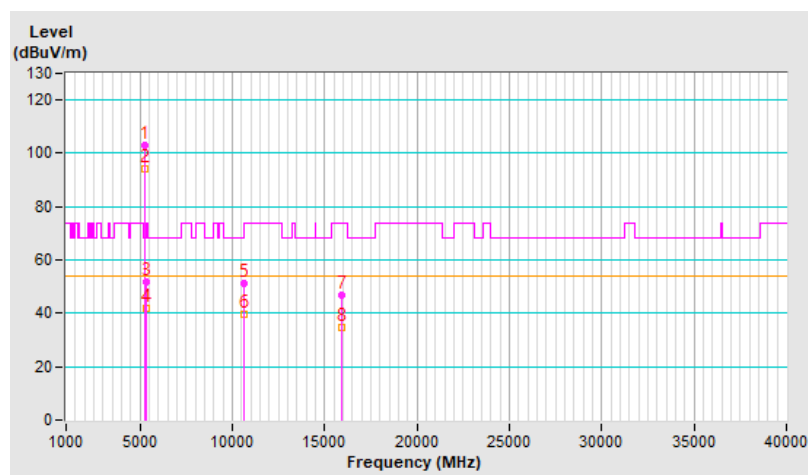


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.0 PK			2.61 H	348	100.6	2.4
2	*5300.00	94.4 AV			2.61 H	348	92.0	2.4
3	5350.00	51.6 PK	74.0	-22.4	2.61 H	348	48.7	2.9
4	5350.00	41.8 AV	54.0	-12.2	2.61 H	348	38.9	2.9
5	10600.00	51.0 PK	74.0	-23.0	1.08 H	147	39.2	11.8
6	10600.00	39.7 AV	54.0	-14.3	1.08 H	147	27.9	11.8
7	15900.00	46.9 PK	74.0	-27.1	1.60 H	9	35.3	11.6
8	15900.00	34.8 AV	54.0	-19.2	1.60 H	9	23.2	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.

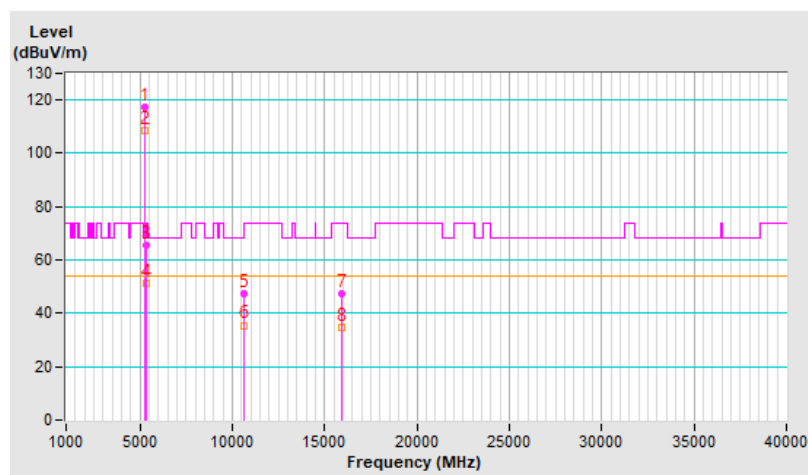


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.1 PK			1.99 V	85	114.7	2.4
2	*5300.00	108.7 AV			1.99 V	85	106.3	2.4
3	5350.00	65.6 PK	74.0	-8.4	1.97 V	90	62.7	2.9
4	5350.00	51.1 AV	54.0	-2.9	1.97 V	90	48.2	2.9
5	10600.00	47.4 PK	74.0	-26.6	1.00 V	302	35.6	11.8
6	10600.00	35.5 AV	54.0	-18.5	1.00 V	302	23.7	11.8
7	15900.00	47.4 PK	74.0	-26.6	1.50 V	145	35.8	11.6
8	15900.00	34.6 AV	54.0	-19.4	1.50 V	145	23.0	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.

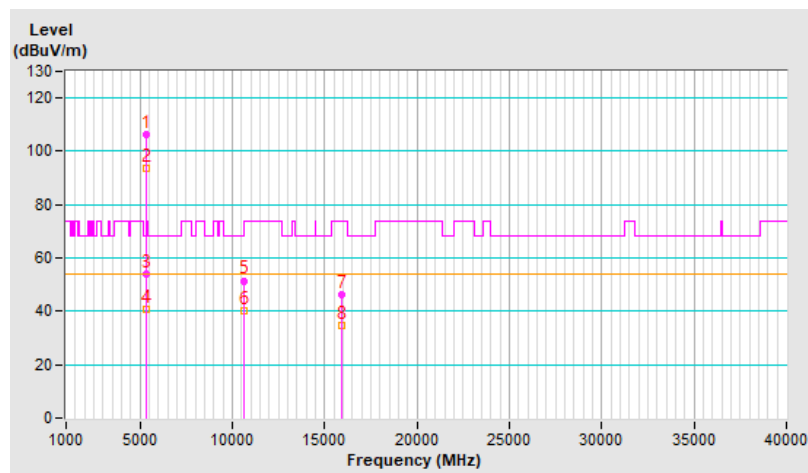


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.2 PK			2.82 H	213	103.6	2.6
2	*5320.00	93.5 AV			2.82 H	213	90.9	2.6
3	5350.00	53.9 PK	74.0	-20.1	2.82 H	213	51.0	2.9
4	5350.00	40.7 AV	54.0	-13.3	2.82 H	213	37.8	2.9
5	10640.00	51.5 PK	74.0	-22.5	1.15 H	155	39.6	11.9
6	10640.00	40.0 AV	54.0	-14.0	1.15 H	155	28.1	11.9
7	15960.00	46.4 PK	74.0	-27.6	1.59 H	25	34.9	11.5
8	15960.00	34.6 AV	54.0	-19.4	1.59 H	25	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.

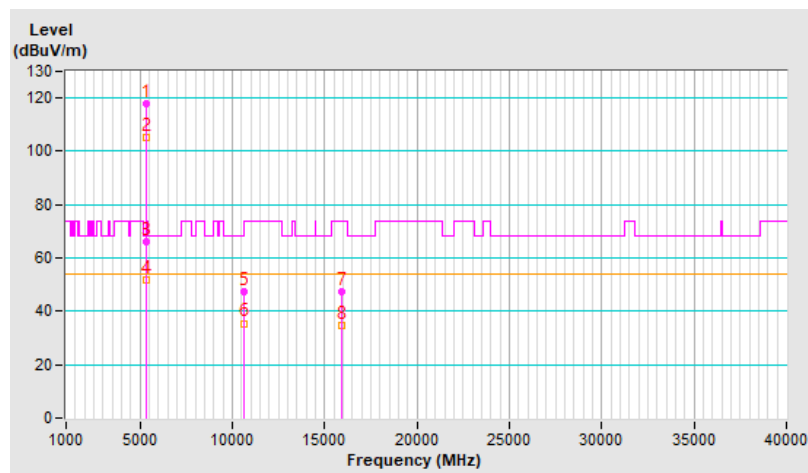


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	117.9 PK			1.99 V	90	115.3	2.6
2	*5320.00	105.4 AV			1.99 V	90	102.8	2.6
3	5350.00	66.1 PK	74.0	-7.9	1.99 V	90	63.2	2.9
4	5350.00	51.8 AV	54.0	-2.2	1.99 V	90	48.9	2.9
5	10640.00	47.4 PK	74.0	-26.6	1.00 V	302	35.5	11.9
6	10640.00	35.5 AV	54.0	-18.5	1.00 V	302	23.6	11.9
7	15960.00	47.4 PK	74.0	-26.6	1.50 V	145	35.9	11.5
8	15960.00	34.6 AV	54.0	-19.4	1.50 V	145	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.

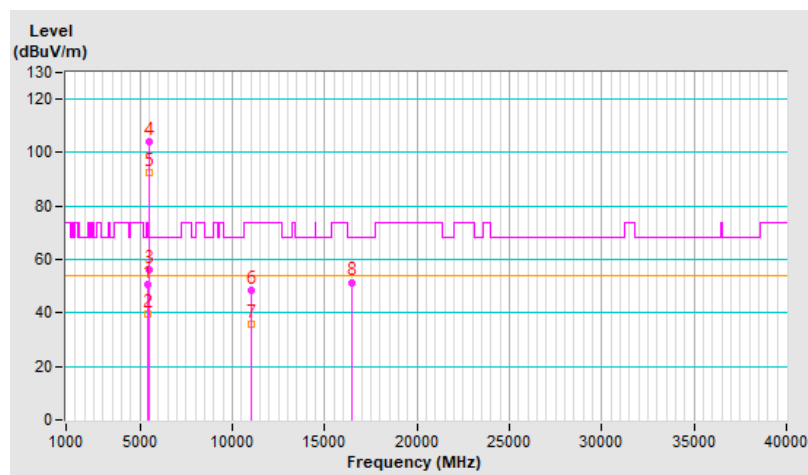


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.6 PK	74.0	-23.4	3.21 H	237	47.6	3.0
2	5460.00	39.7 AV	54.0	-14.3	3.21 H	237	36.7	3.0
3	#5470.00	56.0 PK	68.2	-12.2	3.21 H	237	53.0	3.0
4	*5500.00	104.3 PK			3.21 H	237	101.4	2.9
5	*5500.00	92.7 AV			3.21 H	237	89.8	2.9
6	11000.00	48.3 PK	74.0	-25.7	1.44 H	10	35.8	12.5
7	11000.00	36.0 AV	54.0	-18.0	1.44 H	10	23.5	12.5
8	#16500.00	51.5 PK	68.2	-16.7	1.04 H	216	37.0	14.5

Remarks:

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

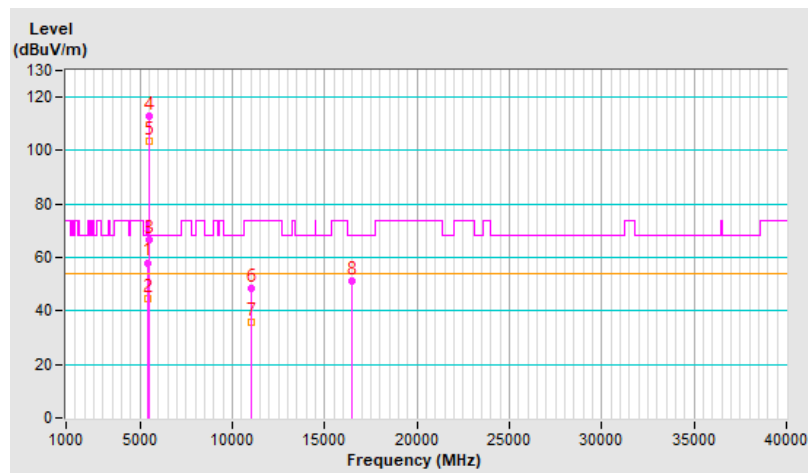


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	2.07 V	289	55.1	3.0
2	5460.00	44.6 AV	54.0	-9.4	2.07 V	289	41.6	3.0
3	#5470.00	66.7 PK	68.2	-1.5	2.07 V	289	63.7	3.0
4	*5500.00	112.8 PK			2.07 V	289	109.9	2.9
5	*5500.00	103.6 AV			2.07 V	289	100.7	2.9
6	11000.00	48.4 PK	74.0	-25.6	1.46 V	4	35.9	12.5
7	11000.00	35.9 AV	54.0	-18.1	1.46 V	4	23.4	12.5
8	#16500.00	51.1 PK	68.2	-17.1	1.08 V	212	36.6	14.5

Remarks:

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

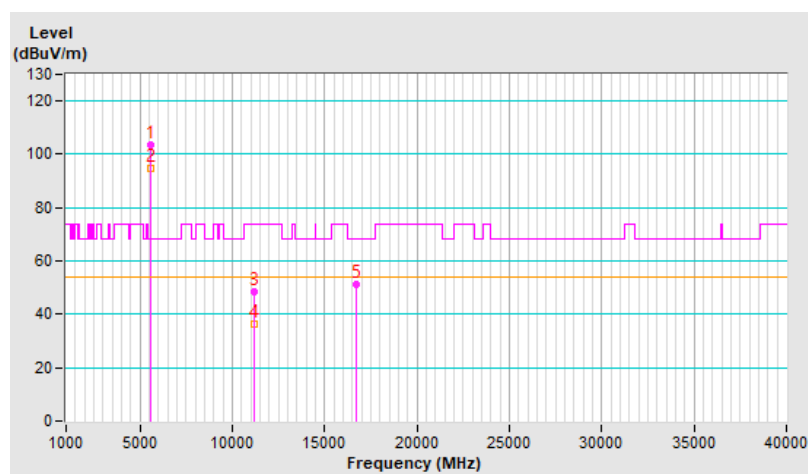


RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	103.4 PK			2.55 H	334	100.5	2.9
2	*5580.00	94.5 AV			2.55 H	334	91.6	2.9
3	11160.00	48.6 PK	74.0	-25.4	1.49 H	11	36.4	12.2
4	11160.00	36.2 AV	54.0	-17.8	1.49 H	11	24.0	12.2
5	#16740.00	51.1 PK	68.2	-17.1	1.05 H	197	36.5	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.

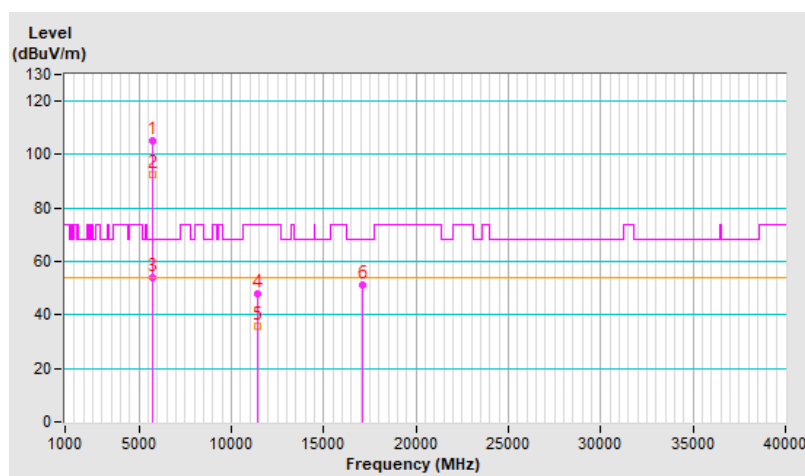


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.4 PK			2.82 H	222	102.2	3.2
2	*5700.00	92.7 AV			2.82 H	222	89.5	3.2
3	#5725.00	54.0 PK	68.2	-14.2	2.81 H	202	50.6	3.4
4	11400.00	48.1 PK	74.0	-25.9	1.46 H	12	35.8	12.3
5	11400.00	35.8 AV	54.0	-18.2	1.46 H	12	23.5	12.3
6	#17100.00	51.0 PK	68.2	-17.2	1.14 H	212	33.8	17.2

Remarks:

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

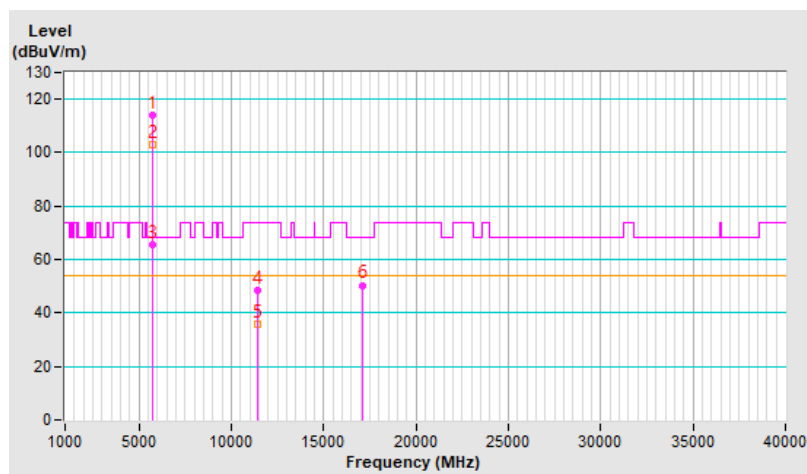


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	114.0 PK			1.71 V	179	110.8	3.2
2	*5700.00	103.2 AV			1.71 V	179	100.0	3.2
3	#5725.00	65.6 PK	68.2	-2.6	1.71 V	179	62.2	3.4
4	11400.00	48.7 PK	74.0	-25.3	1.44 V	1	36.4	12.3
5	11400.00	35.9 AV	54.0	-18.1	1.44 V	1	23.6	12.3
6	#17100.00	50.4 PK	68.2	-17.8	1.13 V	218	33.2	17.2

Remarks:

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

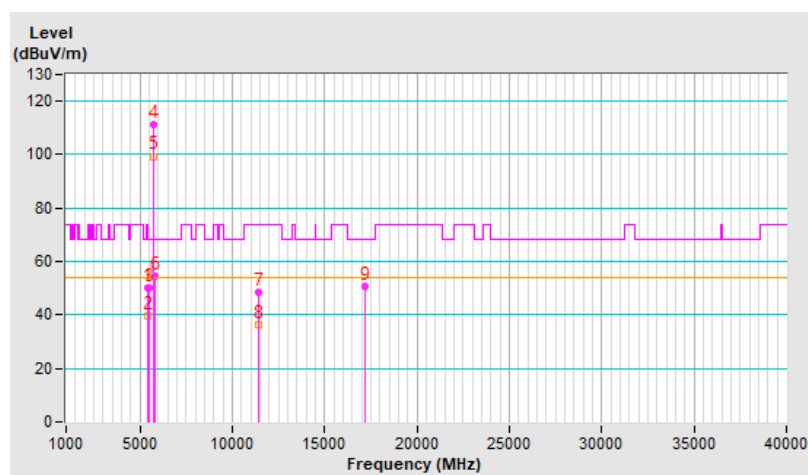


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.3 PK	74.0	-23.7	1.06 H	203	47.3	3.0
2	5460.00	39.6 AV	54.0	-14.4	1.06 H	203	36.6	3.0
3	#5470.00	50.1 PK	68.2	-18.1	1.06 H	203	47.1	3.0
4	*5720.00	111.5 PK			1.06 H	203	108.2	3.3
5	*5720.00	99.4 AV			1.06 H	203	96.1	3.3
6	#5850.00	54.5 PK	68.2	-13.7	1.06 H	203	50.7	3.8
7	11440.00	48.7 PK	74.0	-25.3	1.42 H	7	36.3	12.4
8	11440.00	36.2 AV	54.0	-17.8	1.42 H	7	23.8	12.4
9	#17160.00	50.9 PK	68.2	-17.3	1.04 H	217	33.8	17.1

Remarks:

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

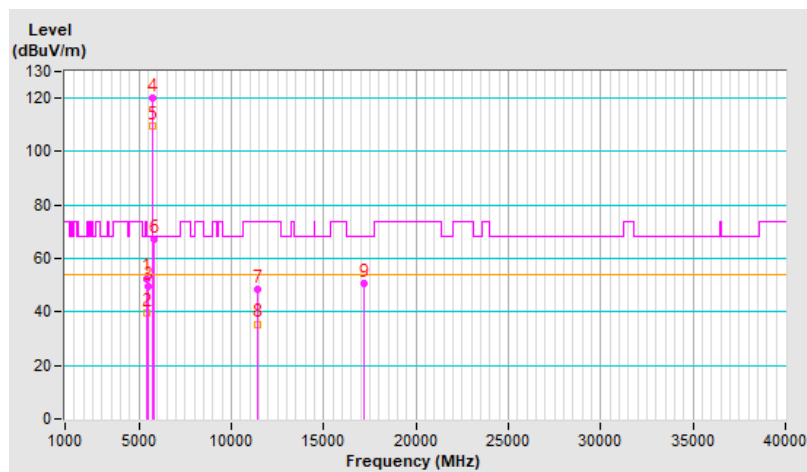


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.6 PK	74.0	-21.4	1.64 V	185	49.6	3.0
2	5460.00	39.4 AV	54.0	-14.6	1.64 V	185	36.4	3.0
3	#5470.00	49.5 PK	68.2	-18.7	1.64 V	185	46.5	3.0
4	*5720.00	120.1 PK			1.64 V	185	116.8	3.3
5	*5720.00	109.8 AV			1.64 V	185	106.5	3.3
6	#5850.00	67.0 PK	68.2	-1.2	1.64 V	185	63.2	3.8
7	11440.00	48.4 PK	74.0	-25.6	1.39 V	18	36.0	12.4
8	11440.00	35.5 AV	54.0	-18.5	1.39 V	18	23.1	12.4
9	#17160.00	50.8 PK	68.2	-17.4	1.12 V	215	33.7	17.1

Remarks:

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

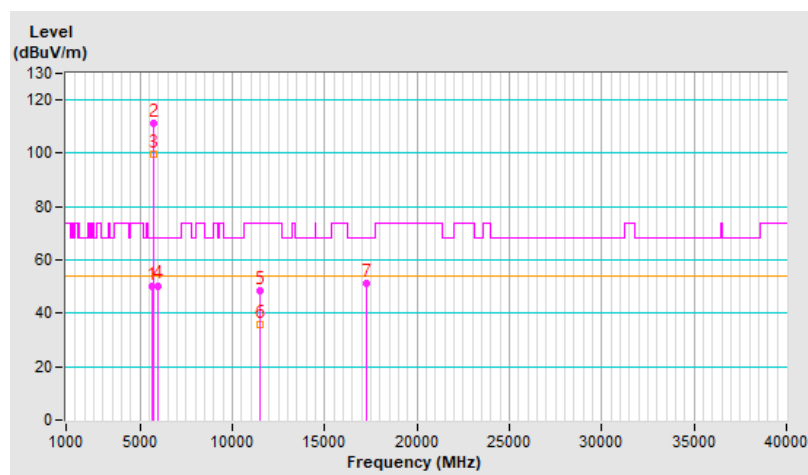


RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.30	50.2 PK	68.2	-18.0	1.00 H	199	47.3	2.9
2	*5745.00	111.4 PK			1.00 H	199	107.9	3.5
3	*5745.00	99.5 AV			1.00 H	199	96.0	3.5
4	#5955.53	50.4 PK	68.2	-17.8	1.00 H	199	46.8	3.6
5	11490.00	48.5 PK	74.0	-25.5	1.49 H	17	36.1	12.4
6	11490.00	35.9 AV	54.0	-18.1	1.49 H	17	23.5	12.4
7	#17235.00	51.3 PK	68.2	-16.9	1.08 H	203	34.1	17.2

Remarks:

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

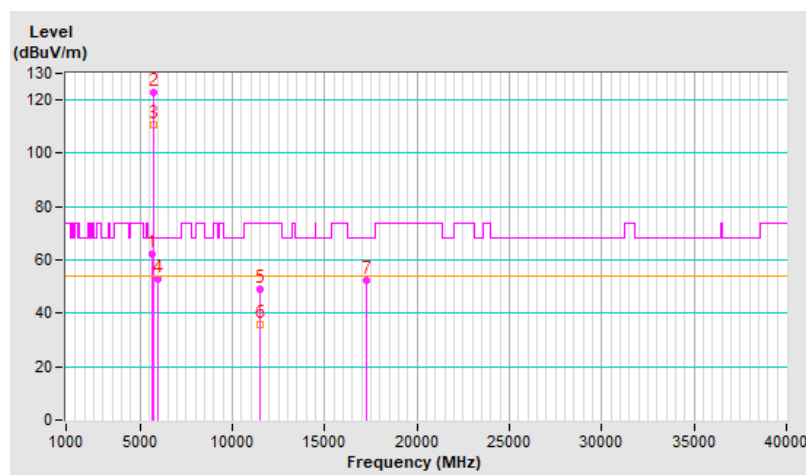


RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.54	62.2 PK	68.2	-6.0	1.72 V	178	59.1	3.1
2	*5745.00	122.7 PK			1.72 V	178	119.2	3.5
3	*5745.00	110.5 AV			1.72 V	178	107.0	3.5
4	#5938.05	52.8 PK	68.2	-15.4	1.72 V	178	49.2	3.6
5	11490.00	49.2 PK	74.0	-24.8	1.45 V	22	36.8	12.4
6	11490.00	35.8 AV	54.0	-18.2	1.45 V	22	23.4	12.4
7	#17235.00	52.5 PK	68.2	-15.7	1.01 V	190	35.3	17.2

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.

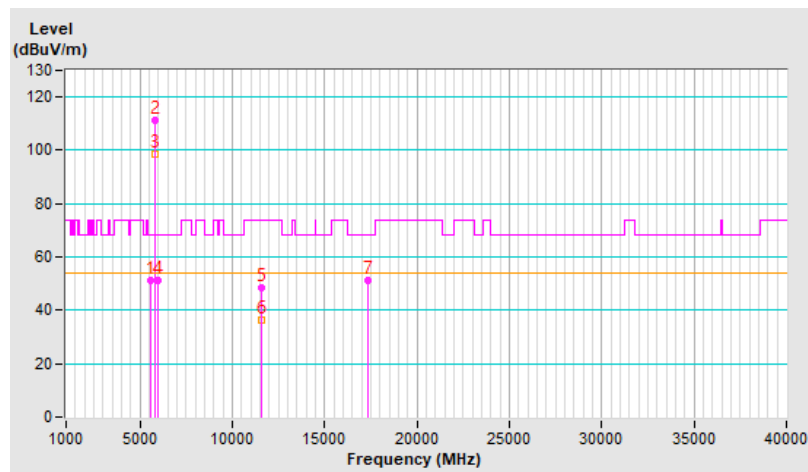


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5613.14	51.4 PK	68.2	-16.8	1.02 H	207	48.5	2.9
2	*5785.00	111.2 PK			1.02 H	207	107.6	3.6
3	*5785.00	98.4 AV			1.02 H	207	94.8	3.6
4	#5972.37	51.2 PK	68.2	-17.0	1.02 H	207	47.5	3.7
5	11570.00	48.4 PK	74.0	-25.6	1.47 H	10	36.1	12.3
6	11570.00	36.1 AV	54.0	-17.9	1.47 H	10	23.8	12.3
7	#17355.00	51.4 PK	68.2	-16.8	1.04 H	210	34.1	17.3

Remarks:

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

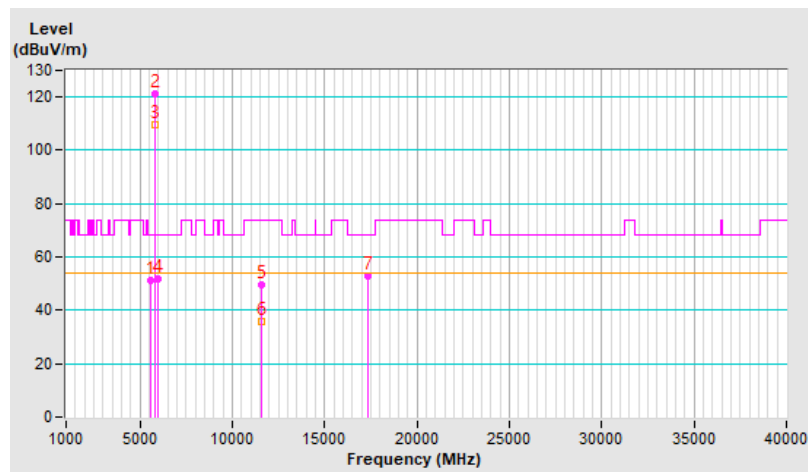


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5599.10	51.2 PK	68.2	-17.0	1.69 V	178	48.3	2.9
2	*5785.00	121.3 PK			1.69 V	178	117.7	3.6
3	*5785.00	109.5 AV			1.69 V	178	105.9	3.6
4	#5971.29	51.6 PK	68.2	-16.6	1.69 V	178	47.9	3.7
5	11570.00	49.4 PK	74.0	-24.6	1.53 V	17	37.1	12.3
6	11570.00	35.7 AV	54.0	-18.3	1.53 V	17	23.4	12.3
7	#17355.00	53.1 PK	68.2	-15.1	1.02 V	177	35.8	17.3

Remarks:

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

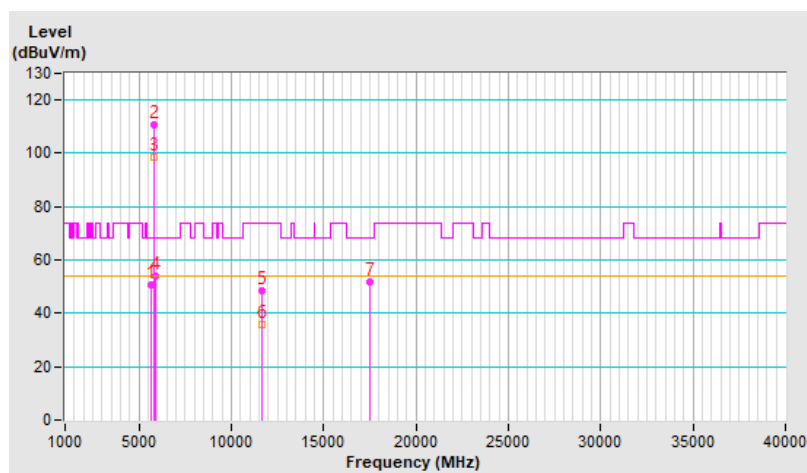


RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.59	50.7 PK	68.2	-17.5	1.03 H	201	47.7	3.0
2	*5825.00	110.9 PK			1.03 H	201	107.2	3.7
3	*5825.00	98.5 AV			1.03 H	201	94.8	3.7
4	#5926.68	54.0 PK	68.2	-14.2	1.03 H	201	50.4	3.6
5	11650.00	48.3 PK	74.0	-25.7	1.46 H	26	36.4	11.9
6	11650.00	36.0 AV	54.0	-18.0	1.46 H	26	24.1	11.9
7	#17475.00	51.8 PK	68.2	-16.4	1.00 H	215	33.8	18.0

Remarks:

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

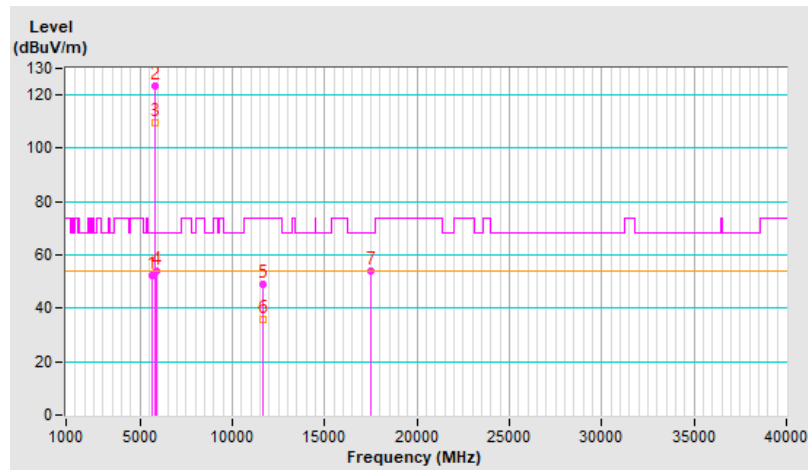


RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.46	52.4 PK	68.2	-15.8	1.68 V	182	49.5	2.9
2	*5825.00	123.2 PK			1.68 V	182	119.5	3.7
3	*5825.00	109.8 AV			1.68 V	182	106.1	3.7
4	#5929.28	53.8 PK	68.2	-14.4	1.68 V	182	50.2	3.6
5	11650.00	49.0 PK	74.0	-25.0	1.51 V	16	37.1	11.9
6	11650.00	35.9 AV	54.0	-18.1	1.51 V	16	24.0	11.9
7	#17475.00	53.9 PK	68.2	-14.3	1.00 V	185	35.9	18.0

Remarks:

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

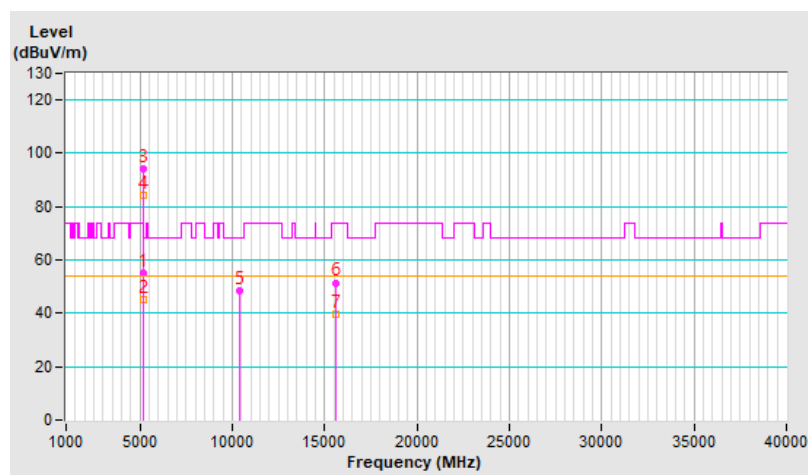


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.55 H	153	52.2	3.1
2	5150.00	45.0 AV	54.0	-9.0	2.55 H	153	41.9	3.1
3	*5190.00	94.1 PK			2.55 H	153	91.3	2.8
4	*5190.00	84.2 AV			2.55 H	153	81.4	2.8
5	#10380.00	48.5 PK	68.2	-19.7	1.42 H	11	36.9	11.6
6	15570.00	51.5 PK	74.0	-22.5	1.13 H	205	40.0	11.5
7	15570.00	39.4 AV	54.0	-14.6	1.13 H	205	27.9	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.

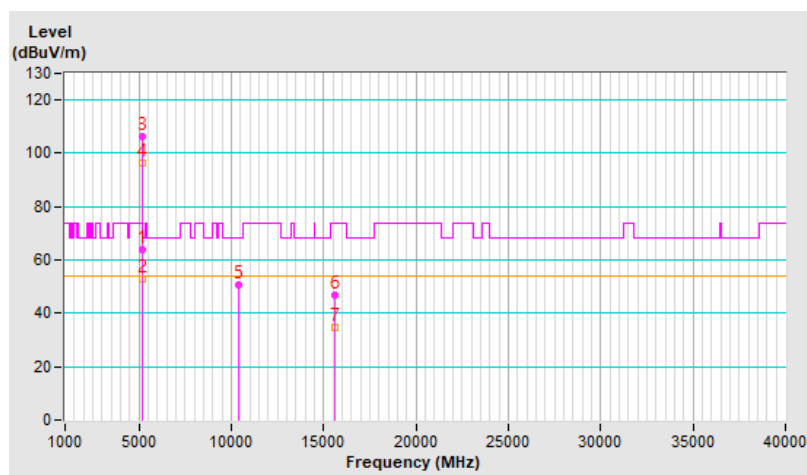


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.0 PK	74.0	-10.0	1.48 V	342	60.9	3.1
2	5150.00	53.1 AV	54.0	-0.9	1.48 V	342	50.0	3.1
3	*5190.00	106.2 PK			1.48 V	342	103.4	2.8
4	*5190.00	96.6 AV			1.48 V	342	93.8	2.8
5	#10380.00	50.8 PK	68.2	-17.4	1.05 V	151	39.2	11.6
6	15570.00	46.8 PK	74.0	-27.2	1.57 V	24	35.3	11.5
7	15570.00	34.7 AV	54.0	-19.3	1.57 V	24	23.2	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.

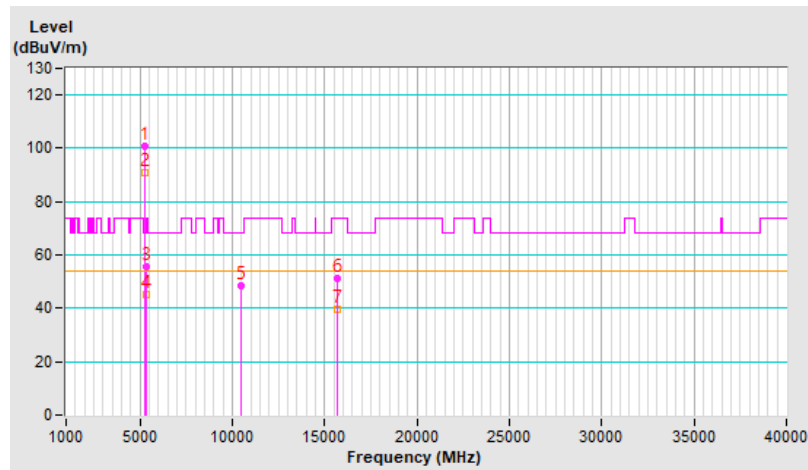


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	100.7 PK			2.55 H	153	98.1	2.6
2	*5230.00	91.1 AV			2.55 H	153	88.5	2.6
3	5350.00	55.5 PK	74.0	-18.5	2.55 H	153	52.6	2.9
4	5350.00	45.2 AV	54.0	-8.8	2.55 H	153	42.3	2.9
5	#10460.00	48.4 PK	68.2	-19.8	1.40 H	1	36.7	11.7
6	15690.00	51.3 PK	74.0	-22.7	1.06 H	207	39.2	12.1
7	15690.00	39.4 AV	54.0	-14.6	1.06 H	207	27.3	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.

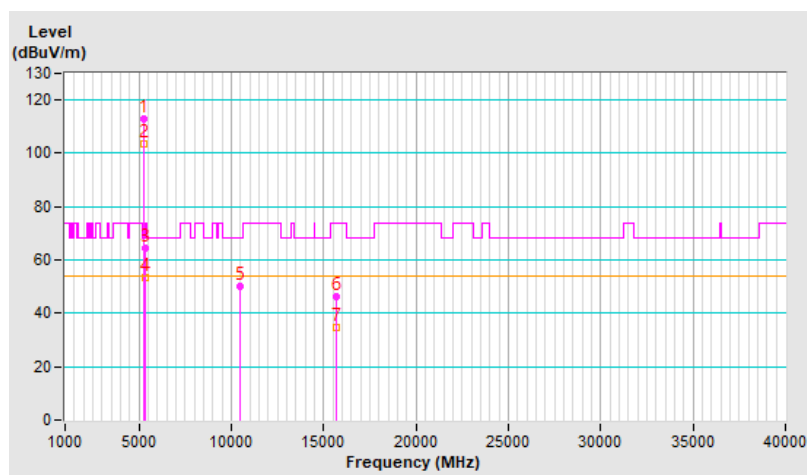


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	112.8 PK			1.50 V	346	110.2	2.6
2	*5230.00	103.5 AV			1.50 V	346	100.9	2.6
3	5350.00	64.2 PK	74.0	-9.8	1.50 V	346	61.3	2.9
4	5350.00	53.3 AV	54.0	-0.7	1.50 V	346	50.4	2.9
5	#10460.00	49.9 PK	68.2	-18.3	1.14 V	160	38.2	11.7
6	15690.00	46.4 PK	74.0	-27.6	1.53 V	34	34.3	12.1
7	15690.00	34.7 AV	54.0	-19.3	1.53 V	34	22.6	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.

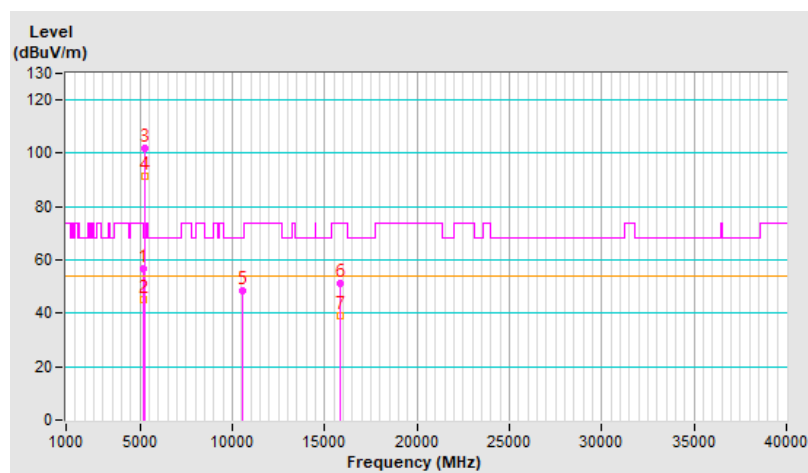


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.6 PK	74.0	-17.4	2.51 H	142	53.5	3.1
2	5150.00	45.3 AV	54.0	-8.7	2.51 H	142	42.2	3.1
3	*5270.00	102.1 PK			2.51 H	142	99.7	2.4
4	*5270.00	91.2 AV			2.51 H	142	88.8	2.4
5	#10540.00	48.6 PK	68.2	-19.6	1.44 H	14	36.8	11.8
6	15810.00	51.2 PK	74.0	-22.8	1.11 H	210	39.1	12.1
7	15810.00	39.3 AV	54.0	-14.7	1.11 H	210	27.2	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.

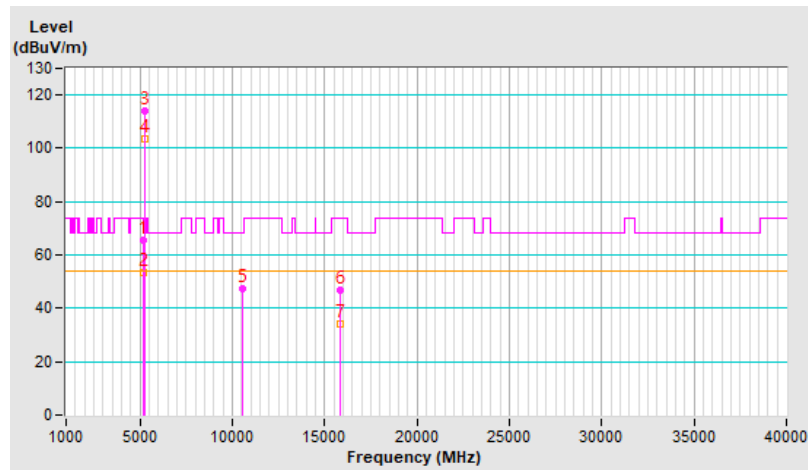


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	65.3 PK	74.0	-8.7	1.48 V	342	62.2	3.1
2	5150.00	53.4 AV	54.0	-0.6	1.48 V	342	50.3	3.1
3	*5270.00	114.2 PK			1.48 V	342	111.8	2.4
4	*5270.00	103.6 AV			1.48 V	342	101.2	2.4
5	#10540.00	47.6 PK	68.2	-20.6	1.00 V	309	35.8	11.8
6	15810.00	46.8 PK	74.0	-27.2	1.45 V	157	34.7	12.1
7	15810.00	34.1 AV	54.0	-19.9	1.45 V	157	22.0	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.

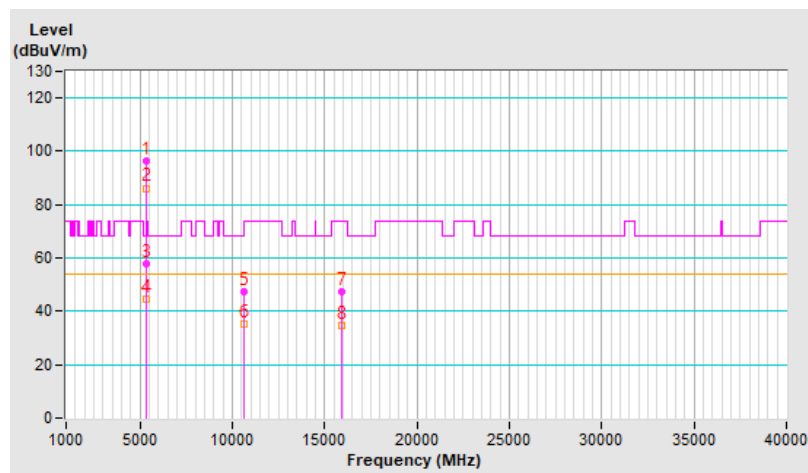


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	96.5 PK			2.39 H	332	94.0	2.5
2	*5310.00	86.2 AV			2.39 H	332	83.7	2.5
3	5350.00	57.8 PK	74.0	-16.2	2.39 H	332	54.9	2.9
4	5350.00	44.6 AV	54.0	-9.4	2.39 H	332	41.7	2.9
5	10620.00	47.2 PK	74.0	-26.8	1.04 H	305	35.4	11.8
6	10620.00	35.4 AV	54.0	-18.6	1.04 H	305	23.6	11.8
7	15930.00	47.4 PK	74.0	-26.6	1.52 H	161	35.9	11.5
8	15930.00	34.8 AV	54.0	-19.2	1.52 H	161	23.3	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.

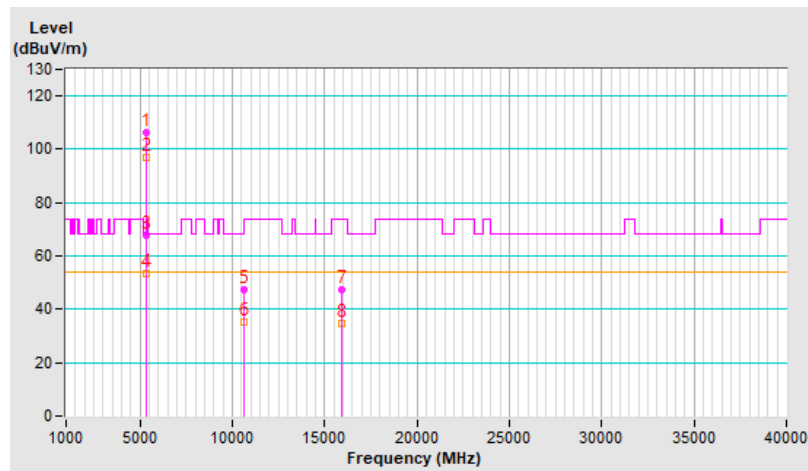


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.5 PK			1.39 V	360	104.0	2.5
2	*5310.00	96.9 AV			1.39 V	360	94.4	2.5
3	5350.00	67.8 PK	74.0	-6.2	1.39 V	360	64.9	2.9
4	5350.00	53.3 AV	54.0	-0.7	1.39 V	360	50.4	2.9
5	10620.00	47.3 PK	74.0	-26.7	1.00 V	293	35.5	11.8
6	10620.00	35.3 AV	54.0	-18.7	1.00 V	293	23.5	11.8
7	15930.00	47.4 PK	74.0	-26.6	1.53 V	158	35.9	11.5
8	15930.00	34.5 AV	54.0	-19.5	1.53 V	158	23.0	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.

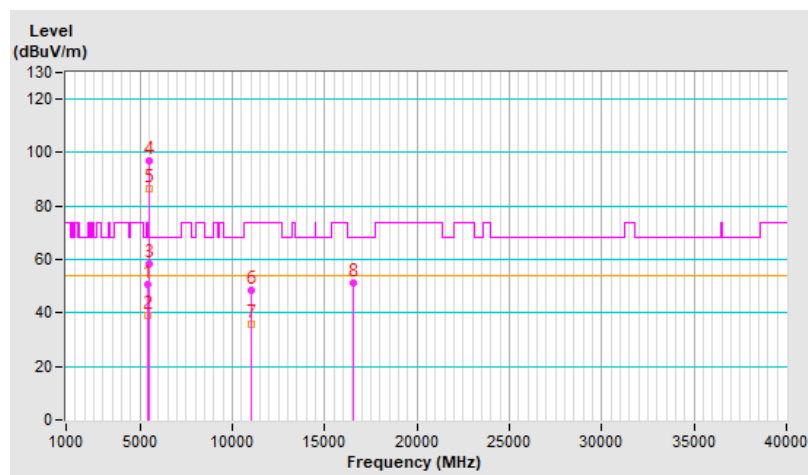


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.9 PK	74.0	-23.1	1.00 H	200	47.9	3.0
2	5460.00	39.3 AV	54.0	-14.7	1.00 H	200	36.3	3.0
3	#5470.00	58.5 PK	68.2	-9.7	1.00 H	200	55.5	3.0
4	*5510.00	97.0 PK			1.00 H	200	94.1	2.9
5	*5510.00	86.7 AV			1.00 H	200	83.8	2.9
6	11020.00	48.2 PK	74.0	-25.8	1.45 H	18	35.7	12.5
7	11020.00	35.7 AV	54.0	-18.3	1.45 H	18	23.2	12.5
8	#16530.00	51.0 PK	68.2	-17.2	1.10 H	216	36.6	14.4

Remarks:

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

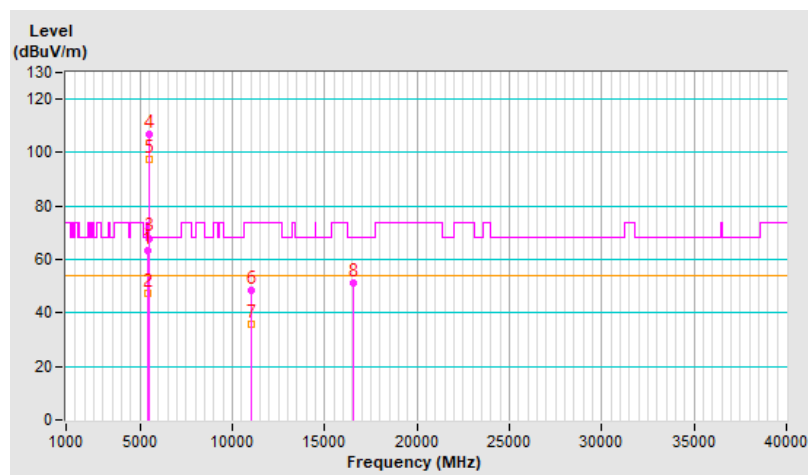


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	3.62 V	8	60.2	3.0
2	5460.00	47.1 AV	54.0	-6.9	3.62 V	8	44.1	3.0
3	#5470.00	68.0 PK	68.2	-0.2	3.62 V	8	65.0	3.0
4	*5510.00	106.7 PK			3.62 V	8	103.8	2.9
5	*5510.00	97.6 AV			3.62 V	8	94.7	2.9
6	11020.00	48.2 PK	74.0	-25.8	1.42 V	15	35.7	12.5
7	11020.00	35.8 AV	54.0	-18.2	1.42 V	15	23.3	12.5
8	#16530.00	51.3 PK	68.2	-16.9	1.07 V	206	36.9	14.4

Remarks:

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

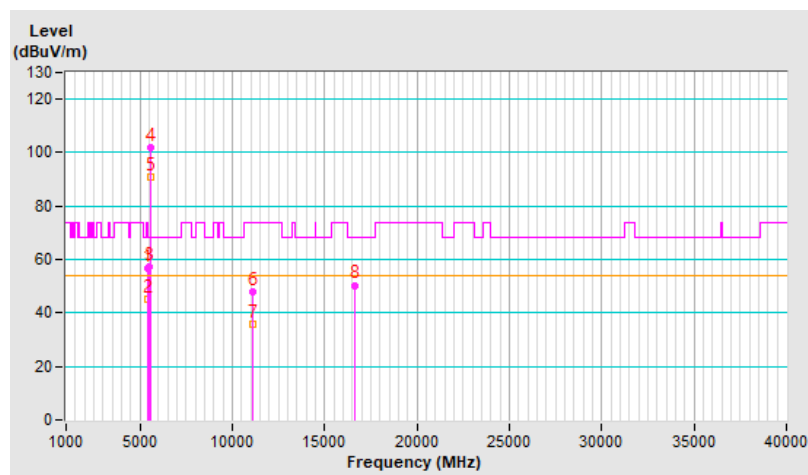


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.8 PK	74.0	-17.2	2.47 H	153	53.8	3.0
2	5460.00	45.3 AV	54.0	-8.7	2.47 H	153	42.3	3.0
3	#5470.00	57.4 PK	68.2	-10.8	2.47 H	153	54.4	3.0
4	*5550.00	101.8 PK			2.47 H	153	98.9	2.9
5	*5550.00	91.0 AV			2.47 H	153	88.1	2.9
6	11100.00	48.0 PK	74.0	-26.0	1.46 H	5	35.7	12.3
7	11100.00	35.6 AV	54.0	-18.4	1.46 H	5	23.3	12.3
8	#16650.00	50.4 PK	68.2	-17.8	1.05 H	224	36.3	14.1

Remarks:

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

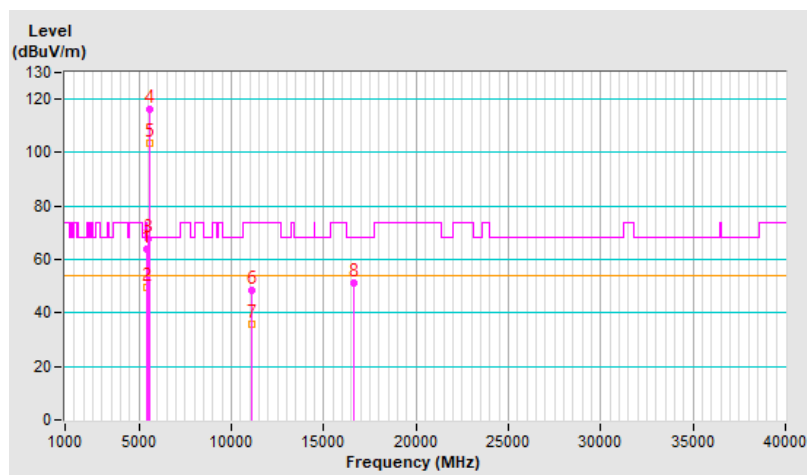


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.8 PK	74.0	-10.2	2.20 V	218	60.8	3.0
2	5460.00	49.6 AV	54.0	-4.4	2.20 V	218	46.6	3.0
3	#5470.00	67.7 PK	68.2	-0.5	2.20 V	218	64.7	3.0
4	*5550.00	116.1 PK			2.20 V	218	113.2	2.9
5	*5550.00	103.7 AV			2.20 V	218	100.8	2.9
6	11100.00	48.4 PK	74.0	-25.6	1.47 V	36	36.1	12.3
7	11100.00	35.7 AV	54.0	-18.3	1.47 V	36	23.4	12.3
8	#16650.00	51.3 PK	68.2	-16.9	1.02 V	214	37.2	14.1

Remarks:

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

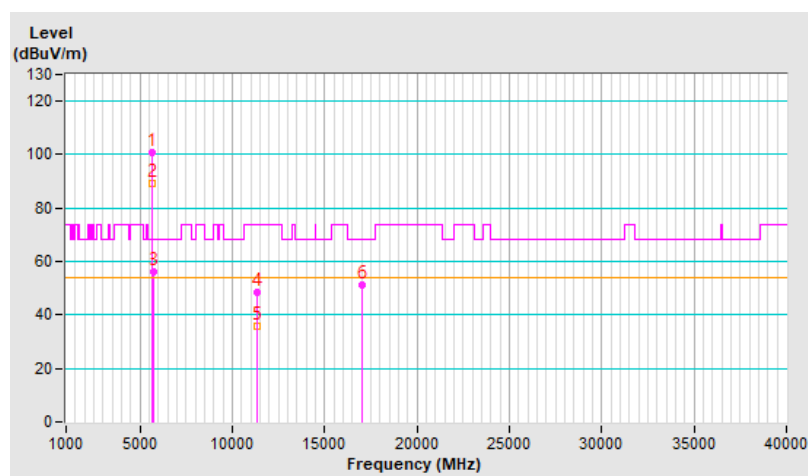


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	100.8 PK			2.53 H	160	97.7	3.1
2	*5670.00	89.4 AV			2.53 H	160	86.3	3.1
3	#5725.00	56.3 PK	68.2	-11.9	2.53 H	160	52.9	3.4
4	11340.00	48.4 PK	74.0	-25.6	1.49 H	4	35.9	12.5
5	11340.00	35.9 AV	54.0	-18.1	1.49 H	4	23.4	12.5
6	#17010.00	51.0 PK	68.2	-17.2	1.13 H	224	34.6	16.4

Remarks:

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

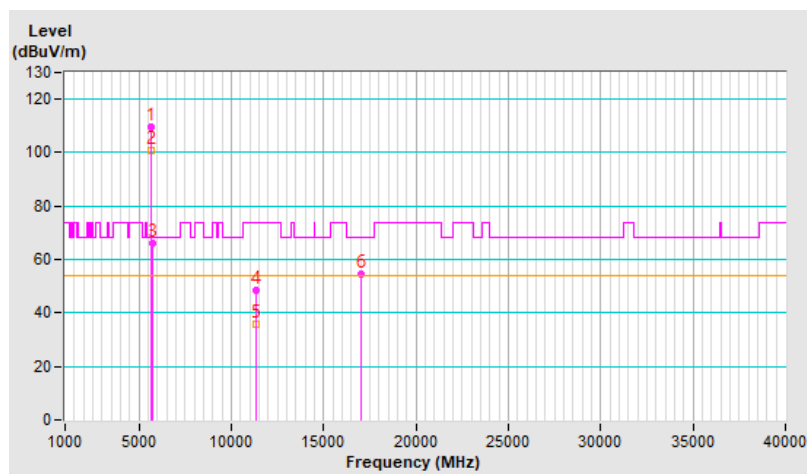


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	109.8 PK			2.22 V	218	106.7	3.1
2	*5670.00	100.6 AV			2.22 V	218	97.5	3.1
3	#5725.00	66.3 PK	68.2	-1.9	2.22 V	218	62.9	3.4
4	11340.00	48.7 PK	74.0	-25.3	1.47 V	13	36.2	12.5
5	11340.00	35.7 AV	54.0	-18.3	1.47 V	13	23.2	12.5
6	#17010.00	54.3 PK	68.2	-13.9	1.01 V	207	37.9	16.4

Remarks:

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

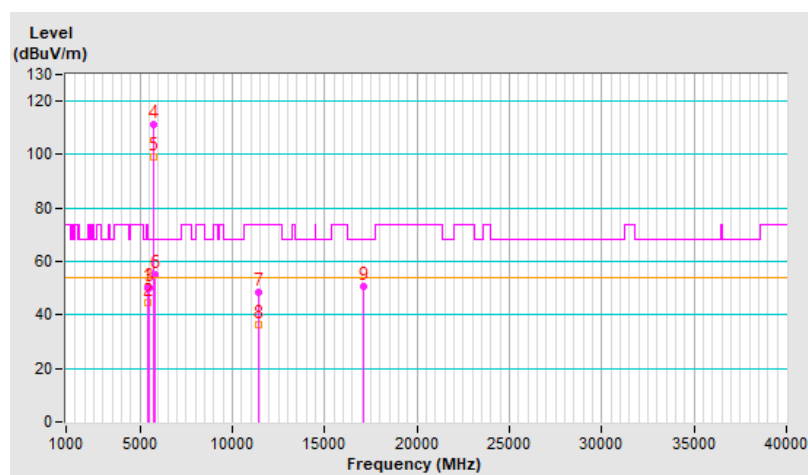


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.54 H	147	47.1	3.0
2	5460.00	44.5 AV	54.0	-9.5	2.54 H	147	41.5	3.0
3	#5470.00	50.3 PK	68.2	-17.9	2.54 H	147	47.3	3.0
4	*5710.00	111.3 PK			2.54 H	147	108.0	3.3
5	*5710.00	99.3 AV			2.54 H	147	96.0	3.3
6	#5850.00	54.9 PK	68.2	-13.3	2.54 H	147	51.1	3.8
7	11420.00	48.7 PK	74.0	-25.3	1.46 H	18	36.3	12.4
8	11420.00	36.1 AV	54.0	-17.9	1.46 H	18	23.7	12.4
9	#17130.00	50.9 PK	68.2	-17.3	1.02 H	218	33.7	17.2

Remarks:

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

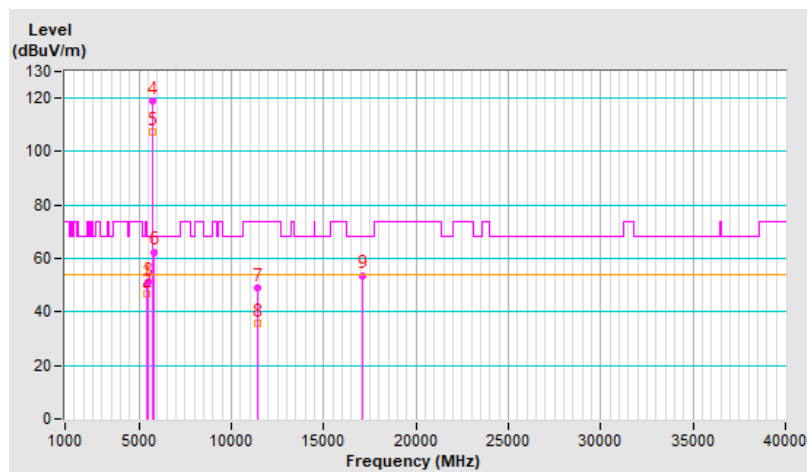


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.54 V	179	47.4	3.0
2	5460.00	47.0 AV	54.0	-7.0	1.54 V	179	44.0	3.0
3	#5470.00	51.2 PK	68.2	-17.0	1.54 V	179	48.2	3.0
4	*5710.00	119.2 PK			1.54 V	179	115.9	3.3
5	*5710.00	107.5 AV			1.54 V	179	104.2	3.3
6	#5850.00	62.5 PK	68.2	-5.7	1.54 V	179	58.7	3.8
7	11420.00	49.2 PK	74.0	-24.8	1.45 V	12	36.8	12.4
8	11420.00	35.8 AV	54.0	-18.2	1.45 V	12	23.4	12.4
9	#17130.00	53.7 PK	68.2	-14.5	1.08 V	205	36.5	17.2

Remarks:

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

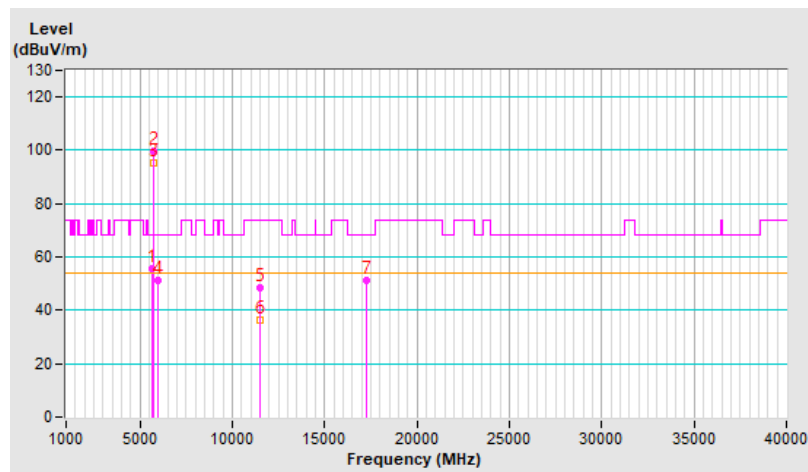


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.84	55.5 PK	68.2	-12.7	1.07 H	202	52.4	3.1
2	*5755.00	99.6 PK			1.07 H	202	96.1	3.5
3	*5755.00	95.5 AV			1.07 H	202	92.0	3.5
4	#5936.21	51.0 PK	68.2	-17.2	1.07 H	202	47.4	3.6
5	11510.00	48.5 PK	74.0	-25.5	1.48 H	4	36.1	12.4
6	11510.00	36.2 AV	54.0	-17.8	1.48 H	4	23.8	12.4
7	#17265.00	51.2 PK	68.2	-17.0	1.03 H	219	33.9	17.3

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.

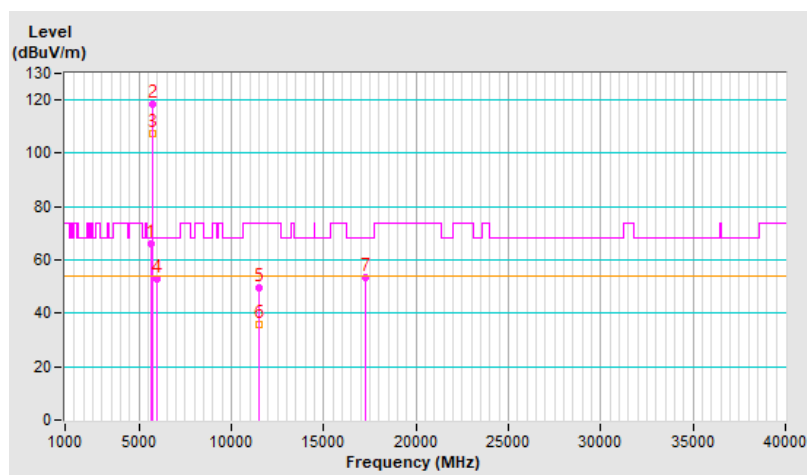


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.52	66.1 PK	68.2	-2.1	1.65 V	178	63.0	3.1
2	*5755.00	118.6 PK			1.65 V	178	115.1	3.5
3	*5755.00	107.2 AV			1.65 V	178	103.7	3.5
4	#5956.85	52.7 PK	68.2	-15.5	1.65 V	178	49.1	3.6
5	11510.00	49.5 PK	74.0	-24.5	1.45 V	23	37.1	12.4
6	11510.00	36.0 AV	54.0	-18.0	1.45 V	23	23.6	12.4
7	#17265.00	53.3 PK	68.2	-14.9	1.04 V	176	36.0	17.3

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.

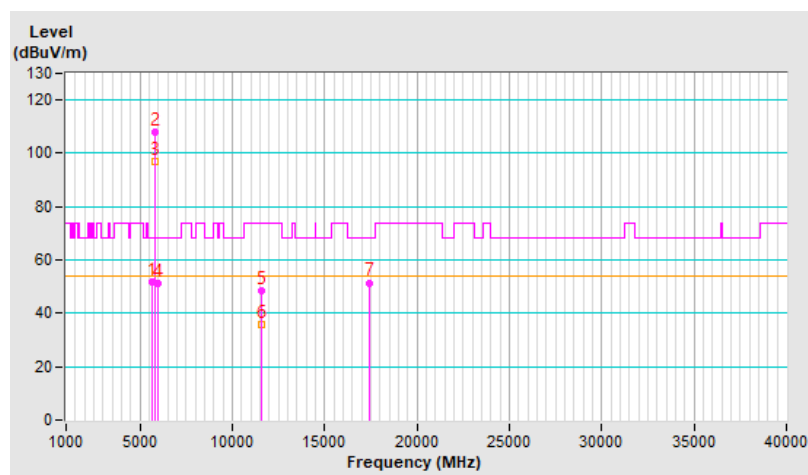


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.42	51.8 PK	68.2	-16.4	1.08 H	204	48.7	3.1
2	*5795.00	107.7 PK			1.08 H	204	104.0	3.7
3	*5795.00	96.8 AV			1.08 H	204	93.1	3.7
4	#5958.99	51.4 PK	68.2	-16.8	1.08 H	204	47.8	3.6
5	11590.00	48.3 PK	74.0	-25.7	1.43 H	19	36.3	12.0
6	11590.00	35.9 AV	54.0	-18.1	1.43 H	19	23.9	12.0
7	#17385.00	51.5 PK	68.2	-16.7	1.06 H	216	34.3	17.2

Remarks:

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

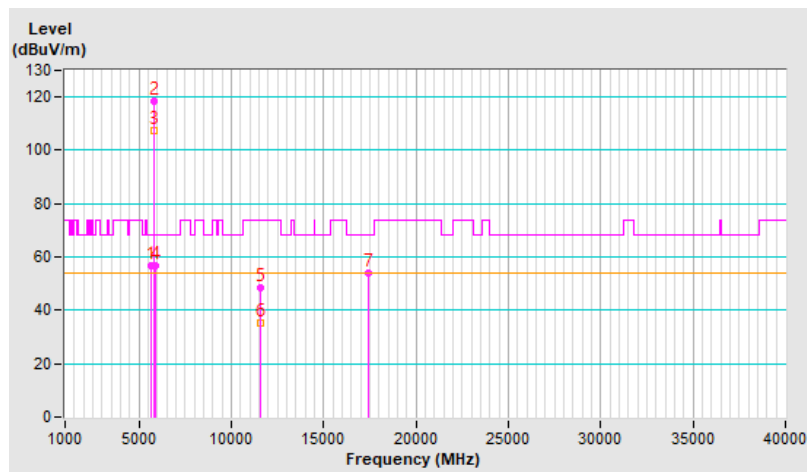


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.76	56.9 PK	68.2	-11.3	1.66 V	176	53.8	3.1
2	*5795.00	118.3 PK			1.66 V	176	114.6	3.7
3	*5795.00	107.6 AV			1.66 V	176	103.9	3.7
4	#5932.87	56.5 PK	68.2	-11.7	1.66 V	176	52.9	3.6
5	11590.00	48.6 PK	74.0	-25.4	1.48 V	25	36.6	12.0
6	11590.00	35.4 AV	54.0	-18.6	1.48 V	25	23.4	12.0
7	#17385.00	53.9 PK	68.2	-14.3	1.03 V	193	36.7	17.2

Remarks:

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

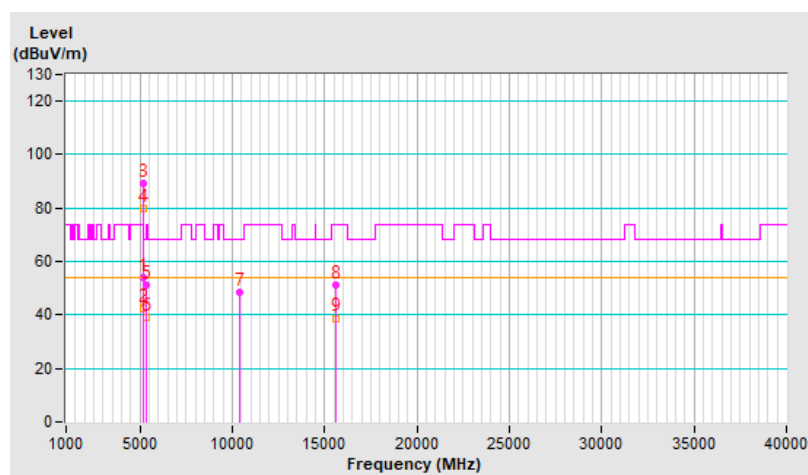


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	54.1 PK	74.0	-19.9	1.98 H	333	51.0	3.1
2	5150.00	42.4 AV	54.0	-11.6	1.98 H	333	39.3	3.1
3	*5210.00	89.4 PK			1.98 H	333	86.7	2.7
4	*5210.00	80.1 AV			1.98 H	333	77.4	2.7
5	5350.00	51.4 PK	74.0	-22.6	1.98 H	333	48.5	2.9
6	5350.00	39.1 AV	54.0	-14.9	1.98 H	333	36.2	2.9
7	#10420.00	48.4 PK	68.2	-19.8	1.51 H	7	36.6	11.8
8	15630.00	51.1 PK	74.0	-22.9	1.08 H	200	39.4	11.7
9	15630.00	38.8 AV	54.0	-15.2	1.08 H	200	27.1	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.

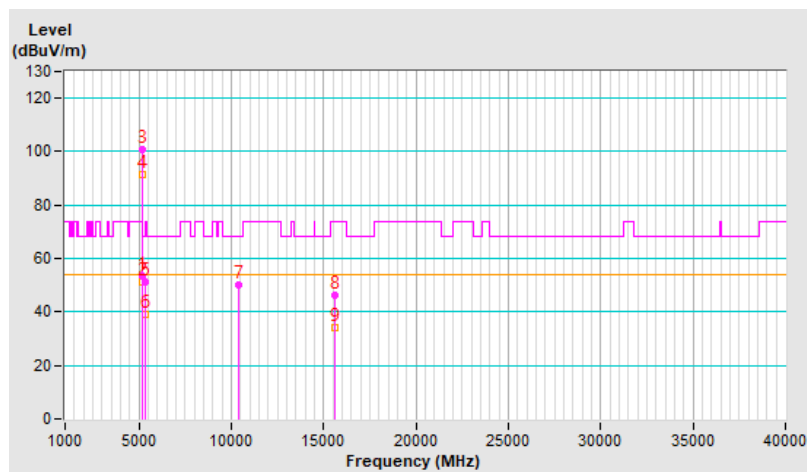


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.41 V	342	50.3	3.1
2	5150.00	51.2 AV	54.0	-2.8	1.41 V	342	48.1	3.1
3	*5210.00	100.6 PK			1.41 V	342	97.9	2.7
4	*5210.00	91.3 AV			1.41 V	342	88.6	2.7
5	5350.00	51.2 PK	74.0	-22.8	1.41 V	342	48.3	2.9
6	5350.00	39.3 AV	54.0	-14.7	1.41 V	342	36.4	2.9
7	#10420.00	50.3 PK	68.2	-17.9	1.05 V	162	38.5	11.8
8	15630.00	46.3 PK	74.0	-27.7	1.58 V	28	34.6	11.7
9	15630.00	34.3 AV	54.0	-19.7	1.58 V	28	22.6	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.

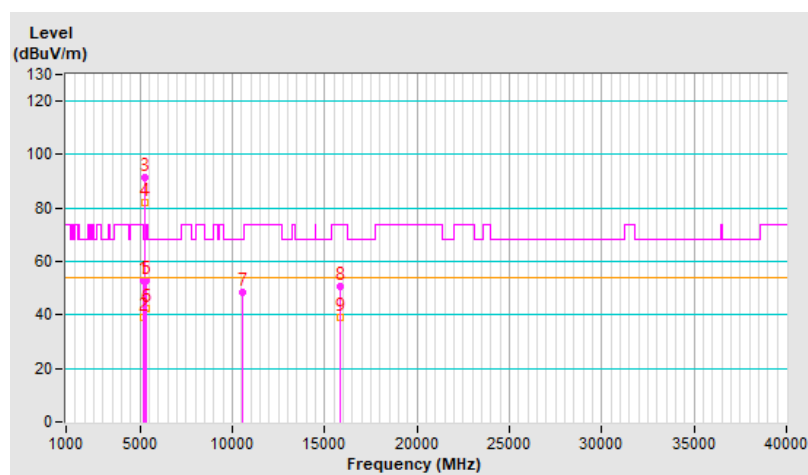


RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.8 PK	74.0	-21.2	2.90 H	216	49.7	3.1
2	5150.00	38.9 AV	54.0	-15.1	2.90 H	216	35.8	3.1
3	*5290.00	91.2 PK			2.90 H	216	88.8	2.4
4	*5290.00	82.0 AV			2.90 H	216	79.6	2.4
5	5350.00	53.0 PK	74.0	-21.0	2.90 H	216	50.1	2.9
6	5350.00	42.3 AV	54.0	-11.7	2.90 H	216	39.4	2.9
7	#10580.00	48.2 PK	68.2	-20.0	1.45 H	1	36.5	11.7
8	15870.00	50.9 PK	74.0	-23.1	1.04 H	218	39.1	11.8
9	15870.00	38.9 AV	54.0	-15.1	1.04 H	218	27.1	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.

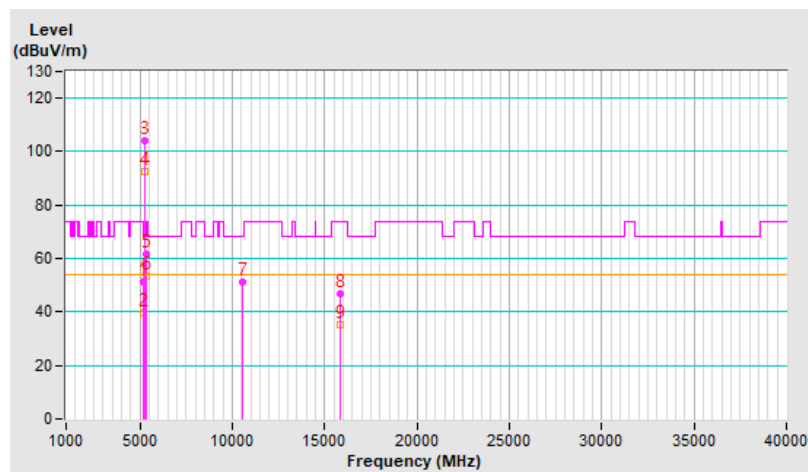


RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	51.1 PK	74.0	-22.9	2.06 V	92	48.0	3.1
2	5150.00	39.4 AV	54.0	-14.6	2.06 V	92	36.3	3.1
3	*5290.00	103.9 PK			2.06 V	92	101.5	2.4
4	*5290.00	92.6 AV			2.06 V	92	90.2	2.4
5	5350.00	61.9 PK	74.0	-12.1	2.06 V	92	59.0	2.9
6	5350.00	53.5 AV	54.0	-0.5	2.06 V	92	50.6	2.9
7	#10580.00	51.1 PK	68.2	-17.1	1.09 V	165	39.4	11.7
8	15870.00	46.9 PK	74.0	-27.1	1.56 V	17	35.1	11.8
9	15870.00	35.1 AV	54.0	-18.9	1.56 V	17	23.3	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.

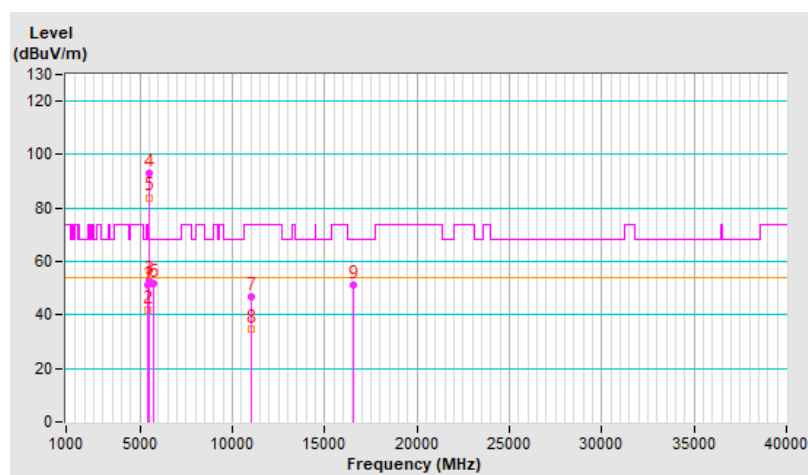


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.2 PK	74.0	-22.8	3.21 H	209	48.2	3.0
2	5460.00	42.0 AV	54.0	-12.0	3.21 H	209	39.0	3.0
3	#5470.00	53.1 PK	68.2	-15.1	3.21 H	209	50.1	3.0
4	*5530.00	93.3 PK			3.21 H	209	90.4	2.9
5	*5530.00	84.0 AV			3.21 H	209	81.1	2.9
6	#5725.00	51.8 PK	68.2	-16.4	3.21 H	209	48.4	3.4
7	11060.00	46.9 PK	74.0	-27.1	1.49 H	22	34.5	12.4
8	11060.00	34.8 AV	54.0	-19.2	1.49 H	22	22.4	12.4
9	#16590.00	51.2 PK	68.2	-17.0	1.06 H	213	37.1	14.1

Remarks:

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

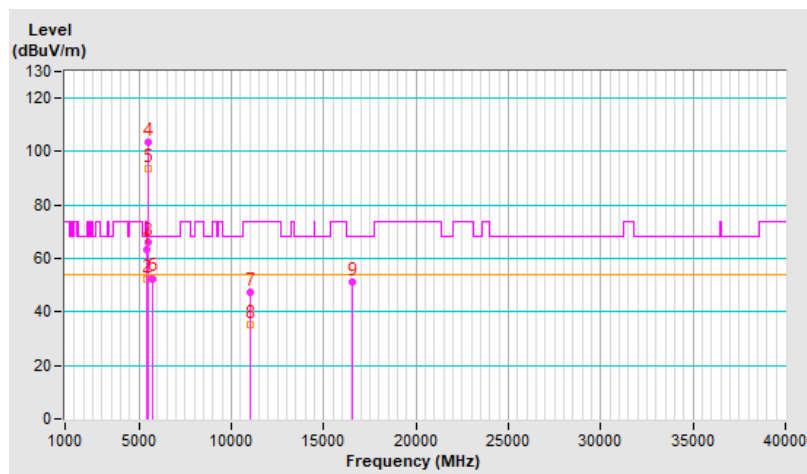


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.2 PK	74.0	-10.8	1.99 V	177	60.2	3.0
2	5460.00	52.1 AV	54.0	-1.9	1.99 V	177	49.1	3.0
3	#5470.00	66.2 PK	68.2	-2.0	1.99 V	177	63.2	3.0
4	*5530.00	103.4 PK			1.99 V	177	100.5	2.9
5	*5530.00	93.6 AV			1.99 V	177	90.7	2.9
6	#5725.00	52.6 PK	68.2	-15.6	1.99 V	177	49.2	3.4
7	11060.00	47.6 PK	74.0	-26.4	1.46 V	5	35.2	12.4
8	11060.00	35.2 AV	54.0	-18.8	1.46 V	5	22.8	12.4
9	#16590.00	51.2 PK	68.2	-17.0	1.06 V	213	37.1	14.1

Remarks:

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

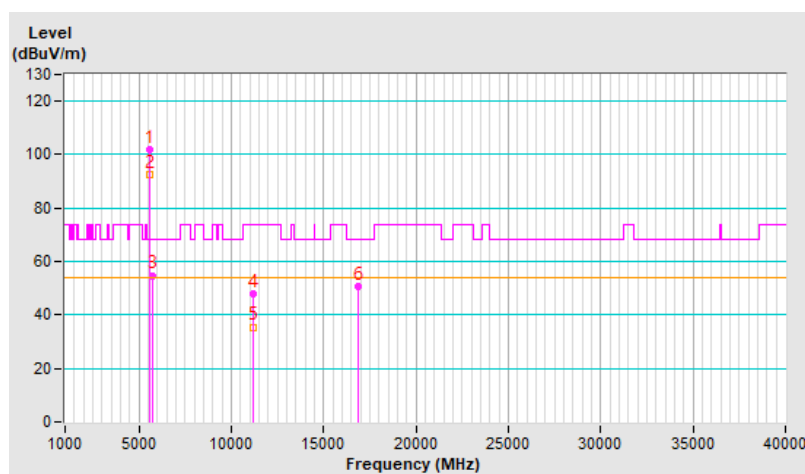


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	102.0 PK			1.05 H	203	99.1	2.9
2	*5610.00	92.5 AV			1.05 H	203	89.6	2.9
3	#5725.00	54.8 PK	68.2	-13.4	1.05 H	203	51.4	3.4
4	11220.00	48.0 PK	74.0	-26.0	1.46 H	12	35.7	12.3
5	11220.00	35.5 AV	54.0	-18.5	1.46 H	12	23.2	12.3
6	#16830.00	50.8 PK	68.2	-17.4	1.05 H	209	35.5	15.3

Remarks:

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

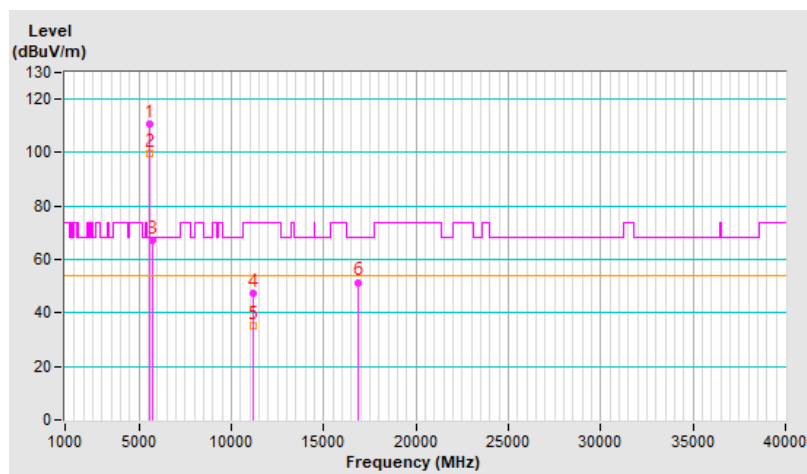


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	110.6 PK			2.02 V	174	107.7	2.9
2	*5610.00	99.6 AV			2.02 V	174	96.7	2.9
3	#5725.00	67.3 PK	68.2	-0.9	2.02 V	174	63.9	3.4
4	11220.00	47.6 PK	74.0	-26.4	1.49 V	15	35.3	12.3
5	11220.00	35.0 AV	54.0	-19.0	1.49 V	15	22.7	12.3
6	#16830.00	51.5 PK	68.2	-16.7	1.07 V	201	36.2	15.3

Remarks:

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

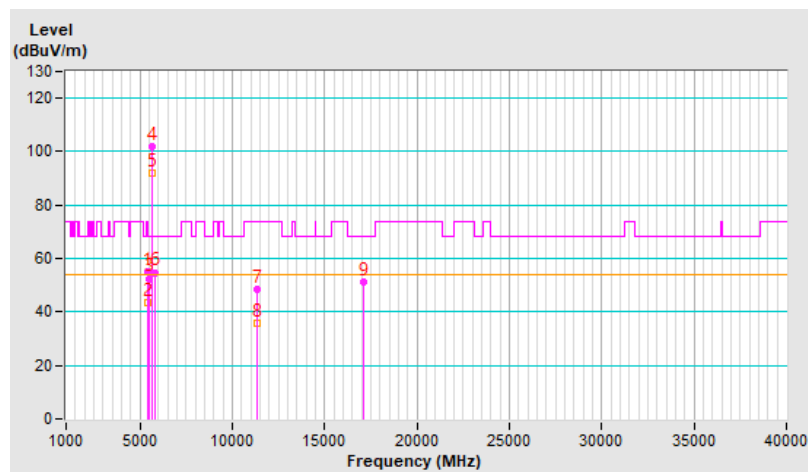


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	54.9 PK	74.0	-19.1	1.02 H	191	51.9	3.0
2	5460.00	43.6 AV	54.0	-10.4	1.02 H	191	40.6	3.0
3	#5470.00	52.6 PK	68.2	-15.6	1.02 H	191	49.6	3.0
4	*5690.00	102.1 PK			1.02 H	191	98.9	3.2
5	*5690.00	92.2 AV			1.02 H	191	89.0	3.2
6	#5850.00	54.8 PK	68.2	-13.4	1.02 H	191	51.0	3.8
7	11380.00	48.3 PK	74.0	-25.7	1.45 H	10	36.0	12.3
8	11380.00	35.9 AV	54.0	-18.1	1.45 H	10	23.6	12.3
9	#17070.00	51.2 PK	68.2	-17.0	1.04 H	217	34.2	17.0

Remarks:

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

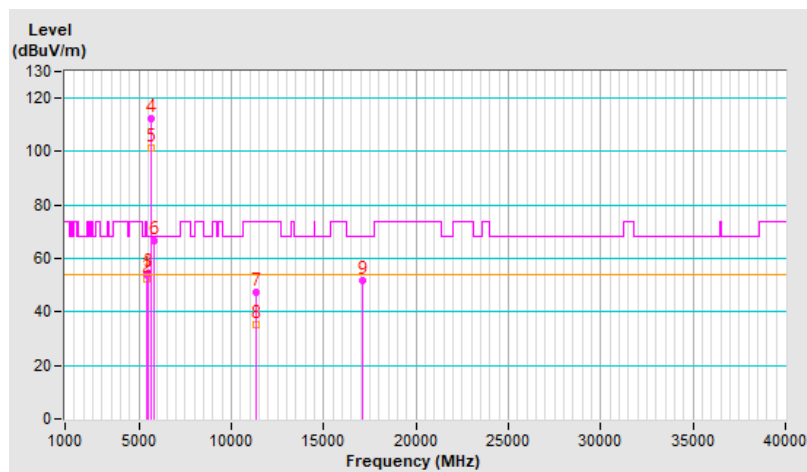


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.8 PK	74.0	-20.2	1.73 V	180	50.8	3.0
2	5460.00	52.1 AV	54.0	-1.9	1.73 V	180	49.1	3.0
3	#5470.00	54.7 PK	68.2	-13.5	1.73 V	180	51.7	3.0
4	*5690.00	112.1 PK			1.73 V	180	108.9	3.2
5	*5690.00	101.5 AV			1.73 V	180	98.3	3.2
6	#5850.00	66.8 PK	68.2	-1.4	1.73 V	180	63.0	3.8
7	11380.00	47.4 PK	74.0	-26.6	1.53 V	7	35.1	12.3
8	11380.00	35.1 AV	54.0	-18.9	1.53 V	7	22.8	12.3
9	#17070.00	51.6 PK	68.2	-16.6	1.10 V	204	34.6	17.0

Remarks:

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

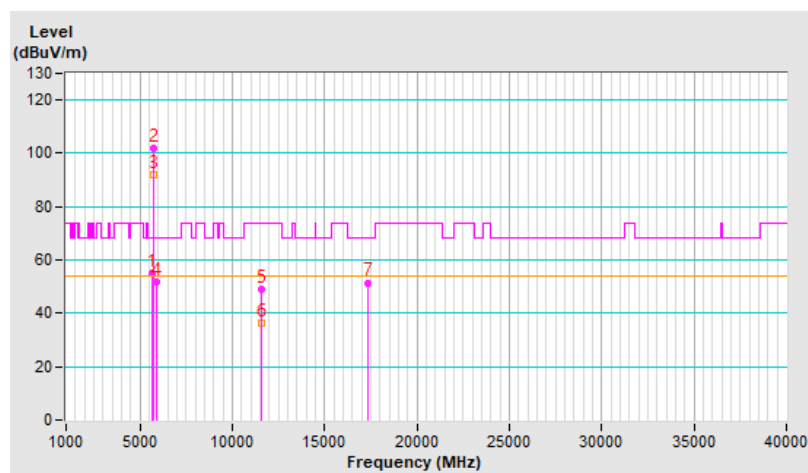


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.33	55.0 PK	68.2	-13.2	1.01 H	200	51.9	3.1
2	*5775.00	101.8 PK			1.01 H	200	98.2	3.6
3	*5775.00	92.2 AV			1.01 H	200	88.6	3.6
4	#5927.28	52.0 PK	68.2	-16.2	1.01 H	200	48.4	3.6
5	11550.00	48.8 PK	74.0	-25.2	1.40 H	3	36.5	12.3
6	11550.00	36.1 AV	54.0	-17.9	1.40 H	3	23.8	12.3
7	#17325.00	51.5 PK	68.2	-16.7	1.07 H	226	34.2	17.3

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.

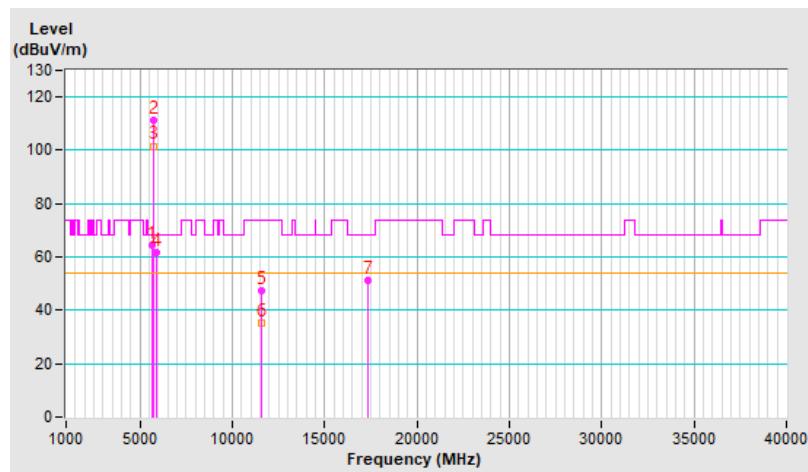


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.17	64.3 PK	68.2	-3.9	1.60 V	184	61.2	3.1
2	*5775.00	111.2 PK			1.60 V	184	107.6	3.6
3	*5775.00	101.6 AV			1.60 V	184	98.0	3.6
4	#5927.21	61.6 PK	68.2	-6.6	1.60 V	184	58.0	3.6
5	11550.00	47.4 PK	74.0	-26.6	1.44 V	4	35.1	12.3
6	11550.00	35.1 AV	54.0	-18.9	1.44 V	4	22.8	12.3
7	#17325.00	51.1 PK	68.2	-17.1	1.13 V	194	33.8	17.3

Remarks:

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

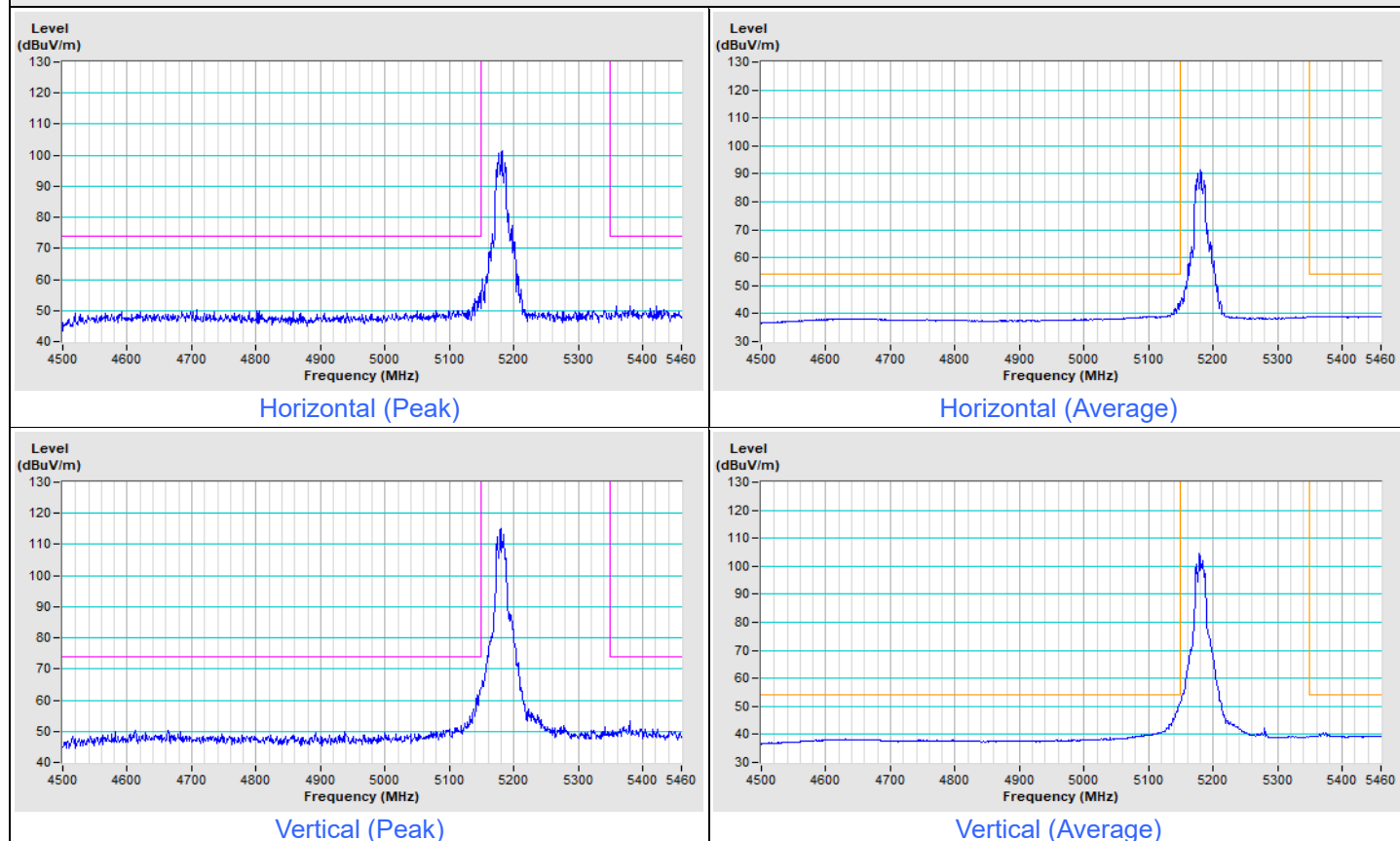


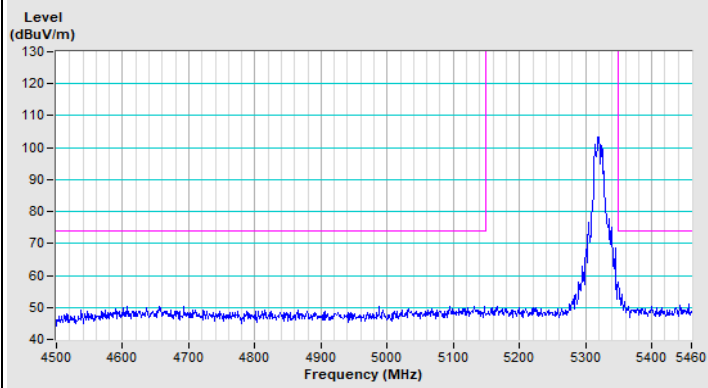
Plot of Band Edge

Mode B

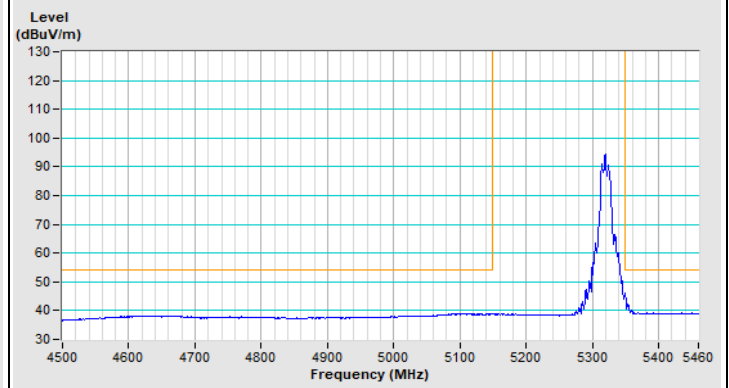
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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802.11a Channel 36

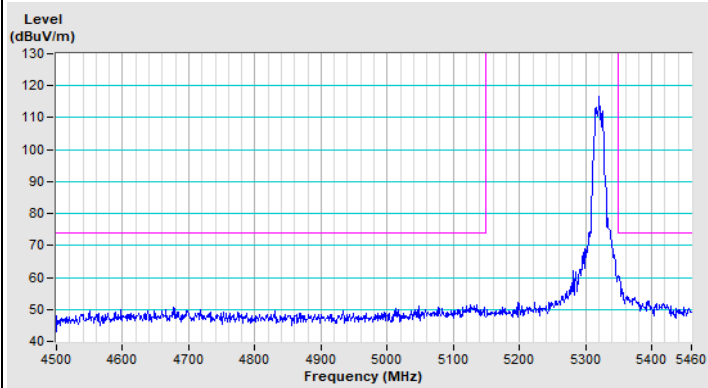


802.11a Channel 64

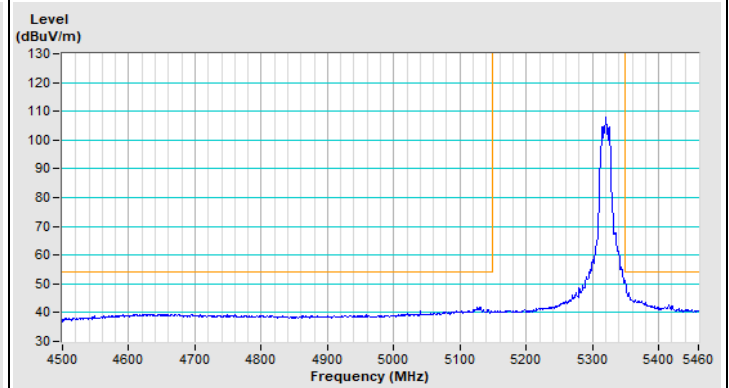
Horizontal (Peak)



Horizontal (Average)



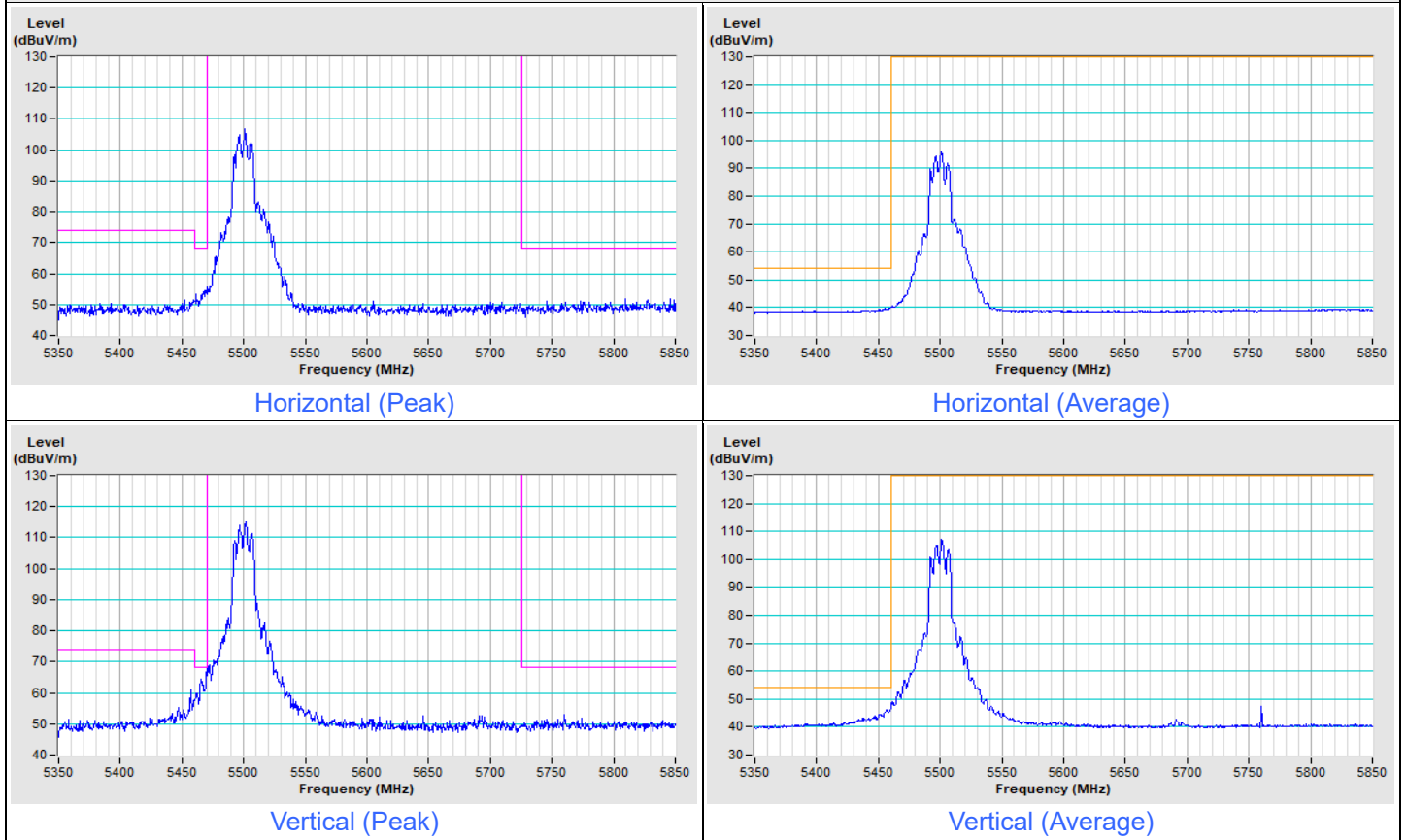
Vertical (Peak)



Vertical (Average)

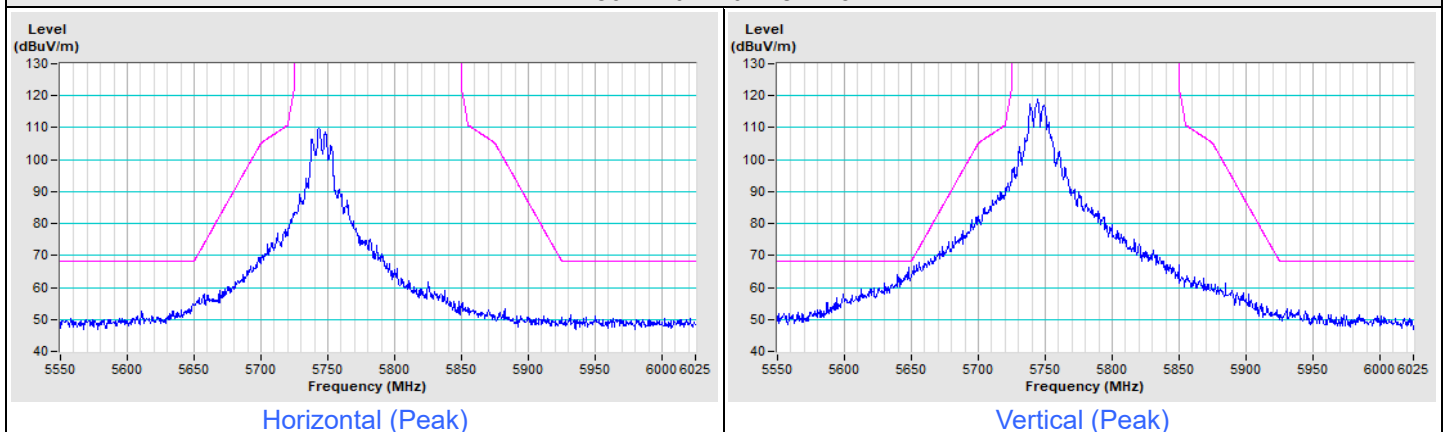
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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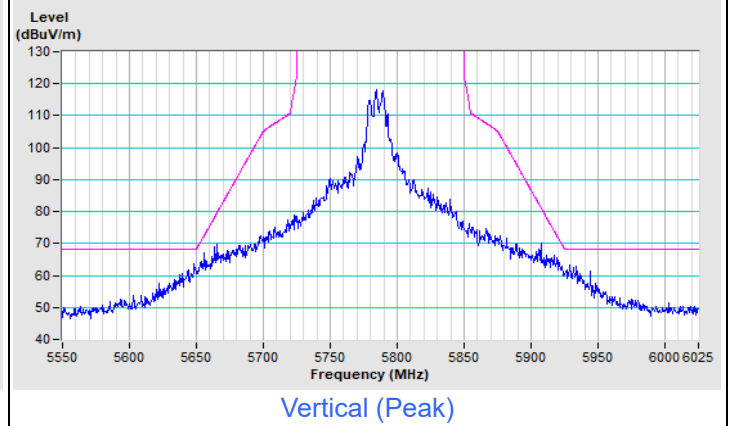
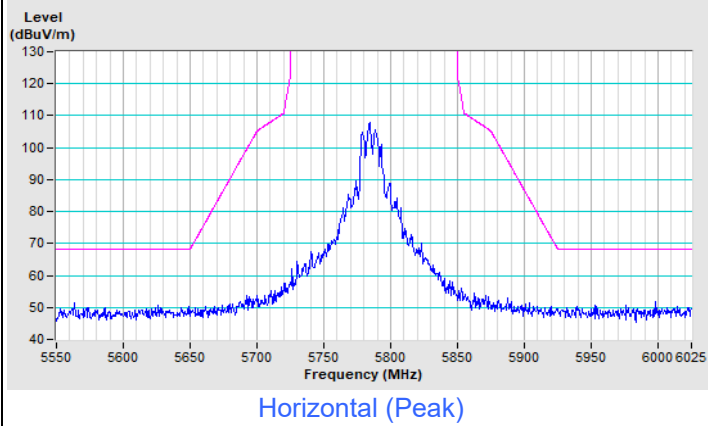
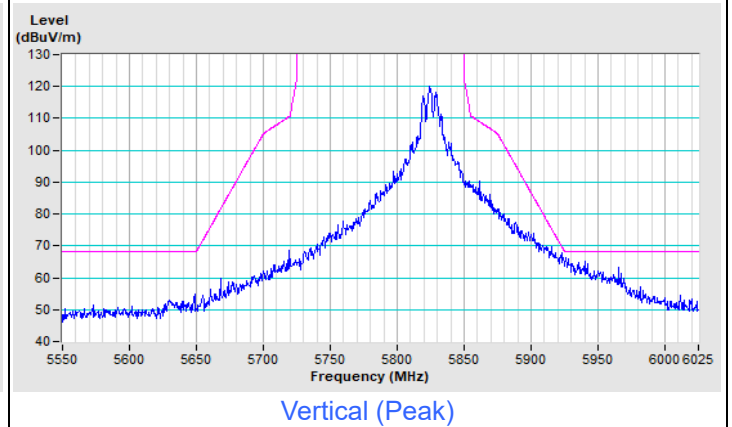
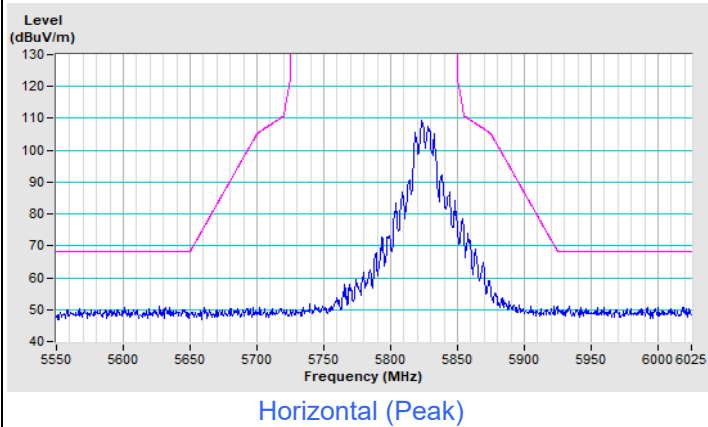
802.11a Channel 100



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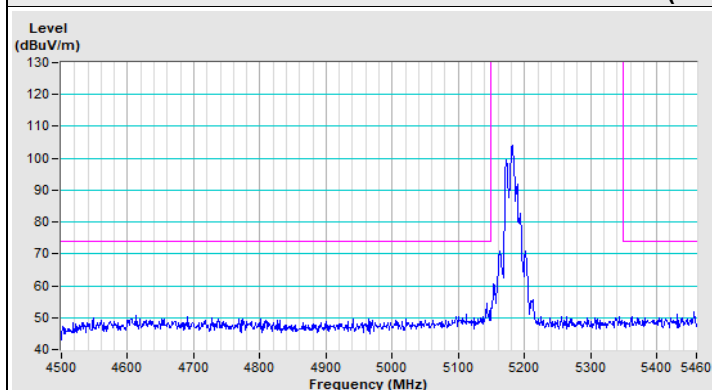
802.11a Channel 149



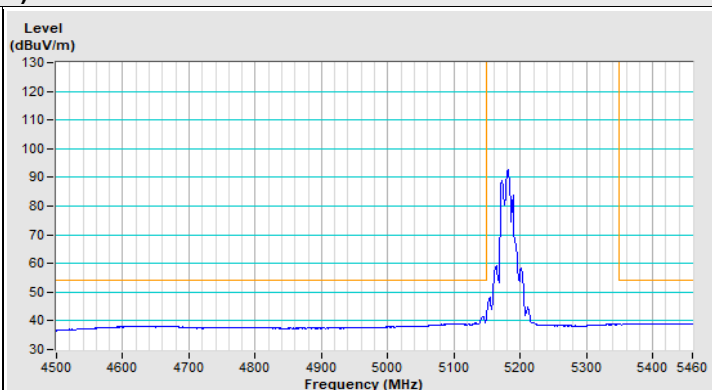
802.11a Channel 157**802.11a Channel 165**

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=10 Hz, DET=Peak
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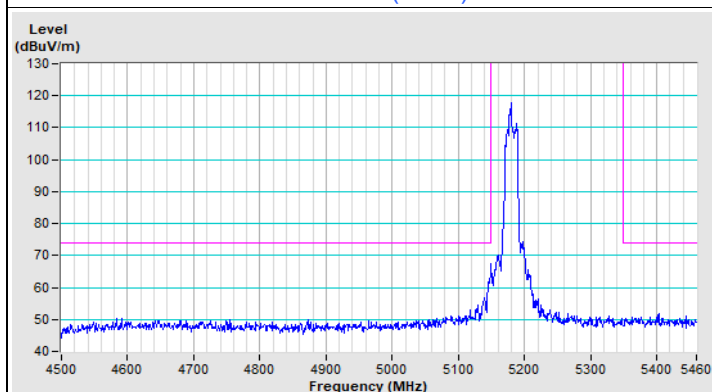
802.11ax (HE20) Channel 36



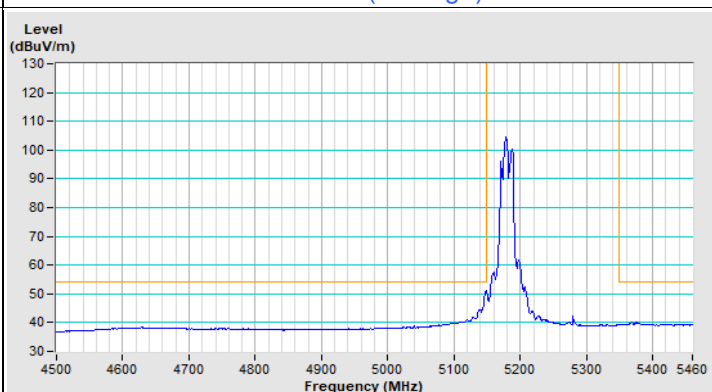
Horizontal (Peak)



Horizontal (Average)

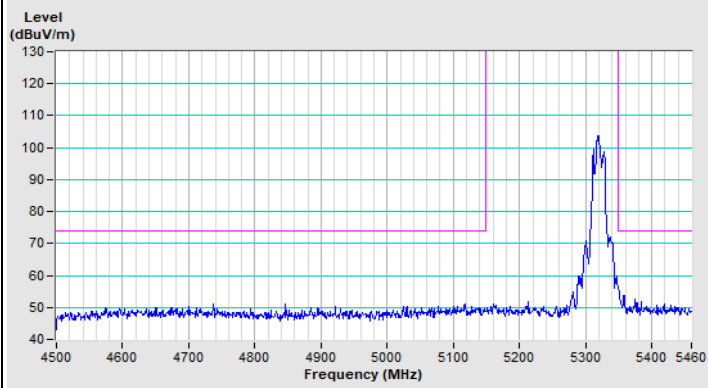


Vertical (Peak)

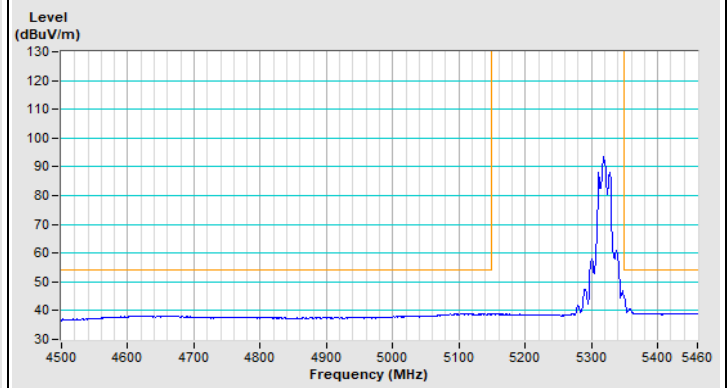


Vertical (Average)

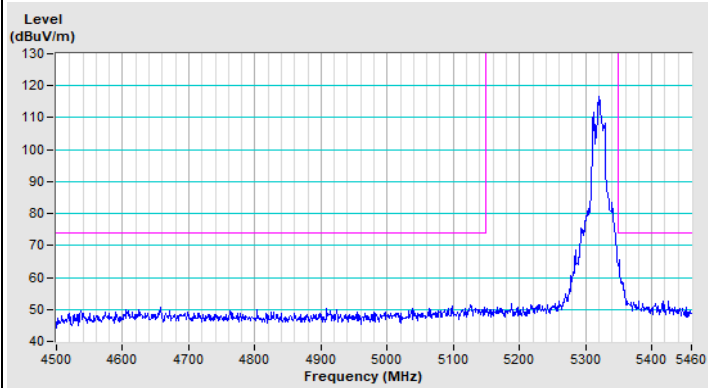
802.11ax (HE20) Channel 64



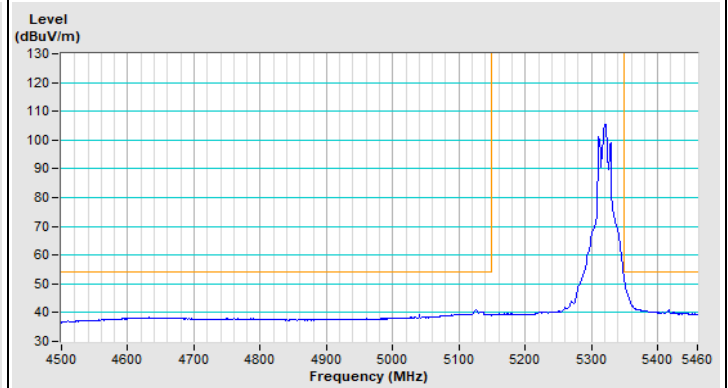
Horizontal (Peak)



Horizontal (Average)



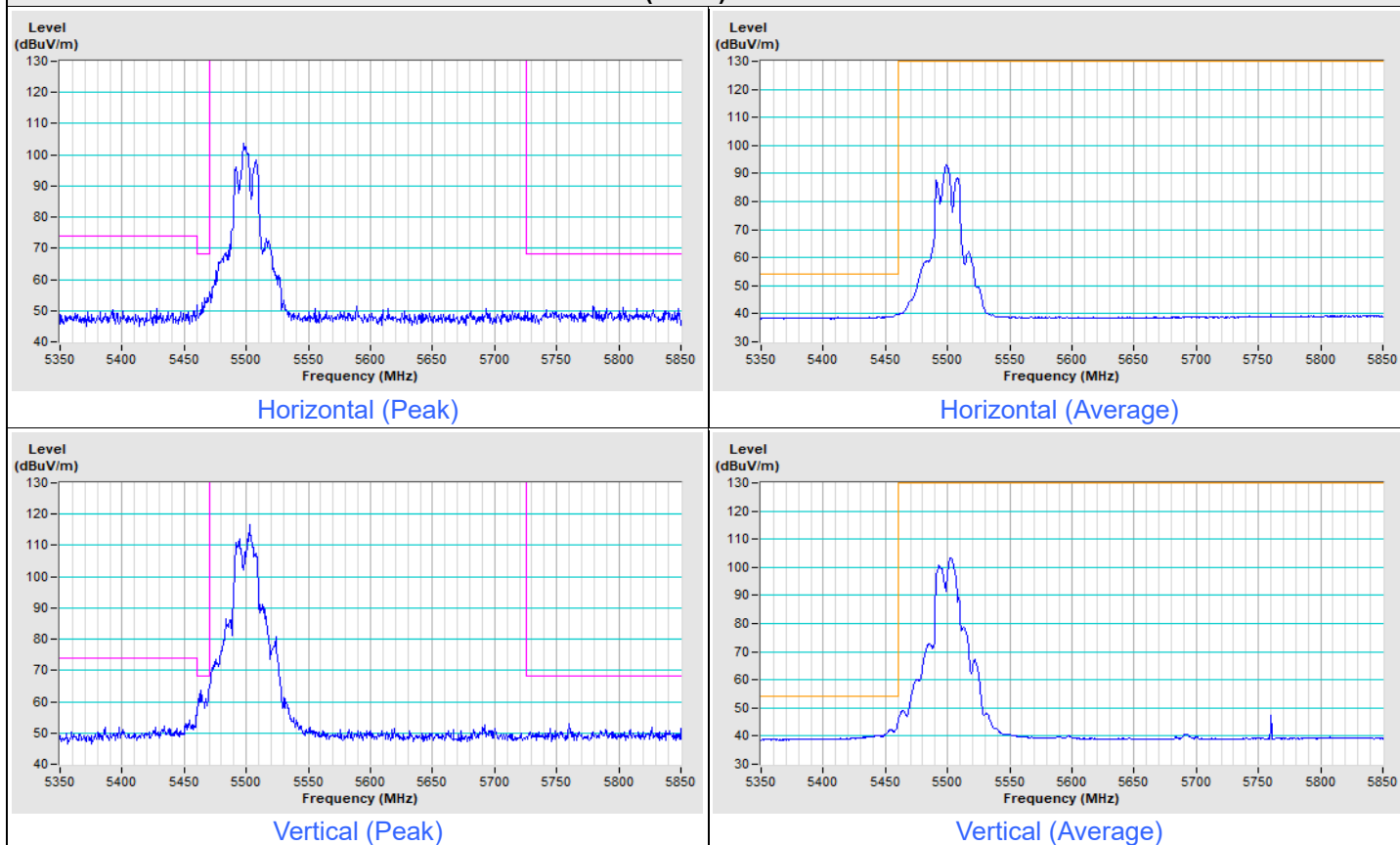
Vertical (Peak)



Vertical (Average)

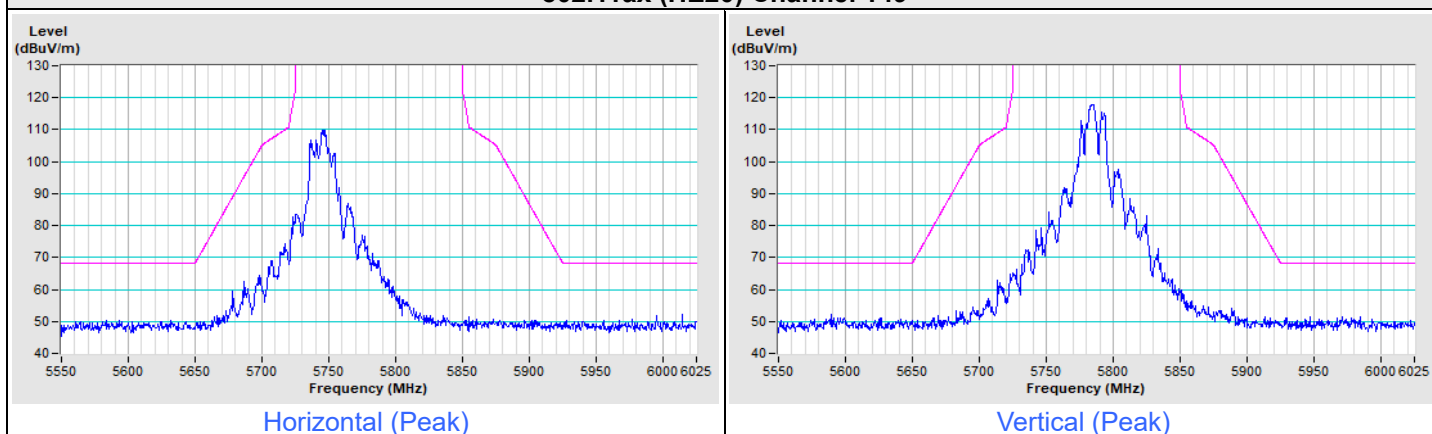
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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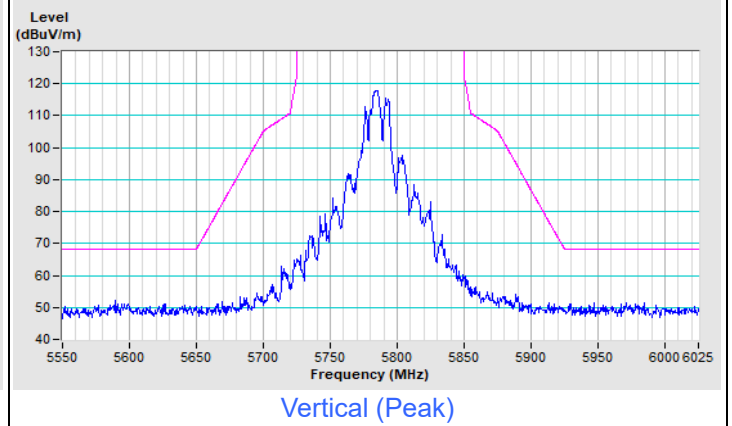
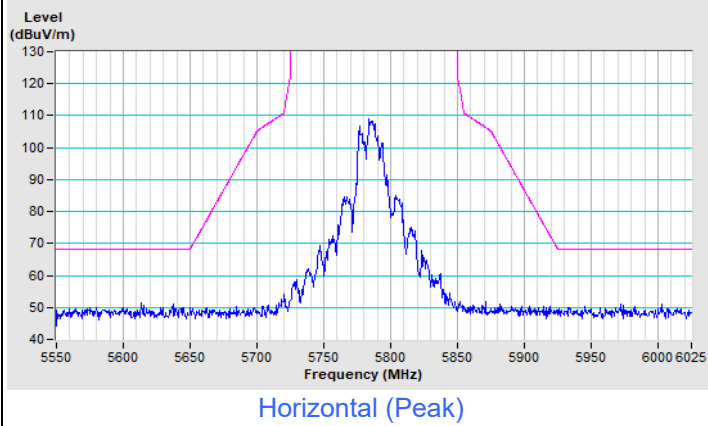
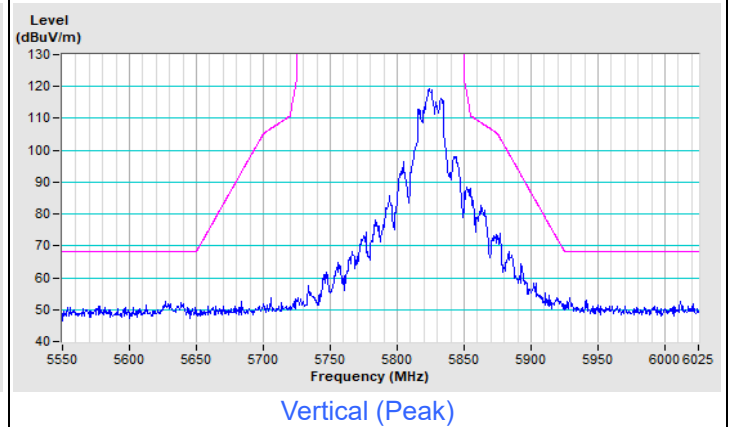
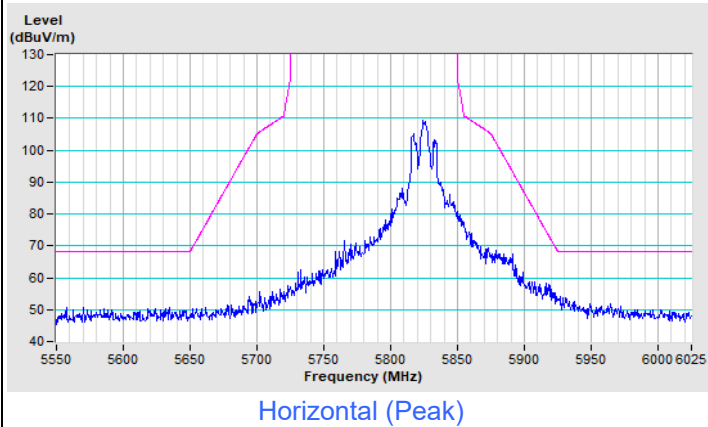
802.11ax (HE20) Channel 100



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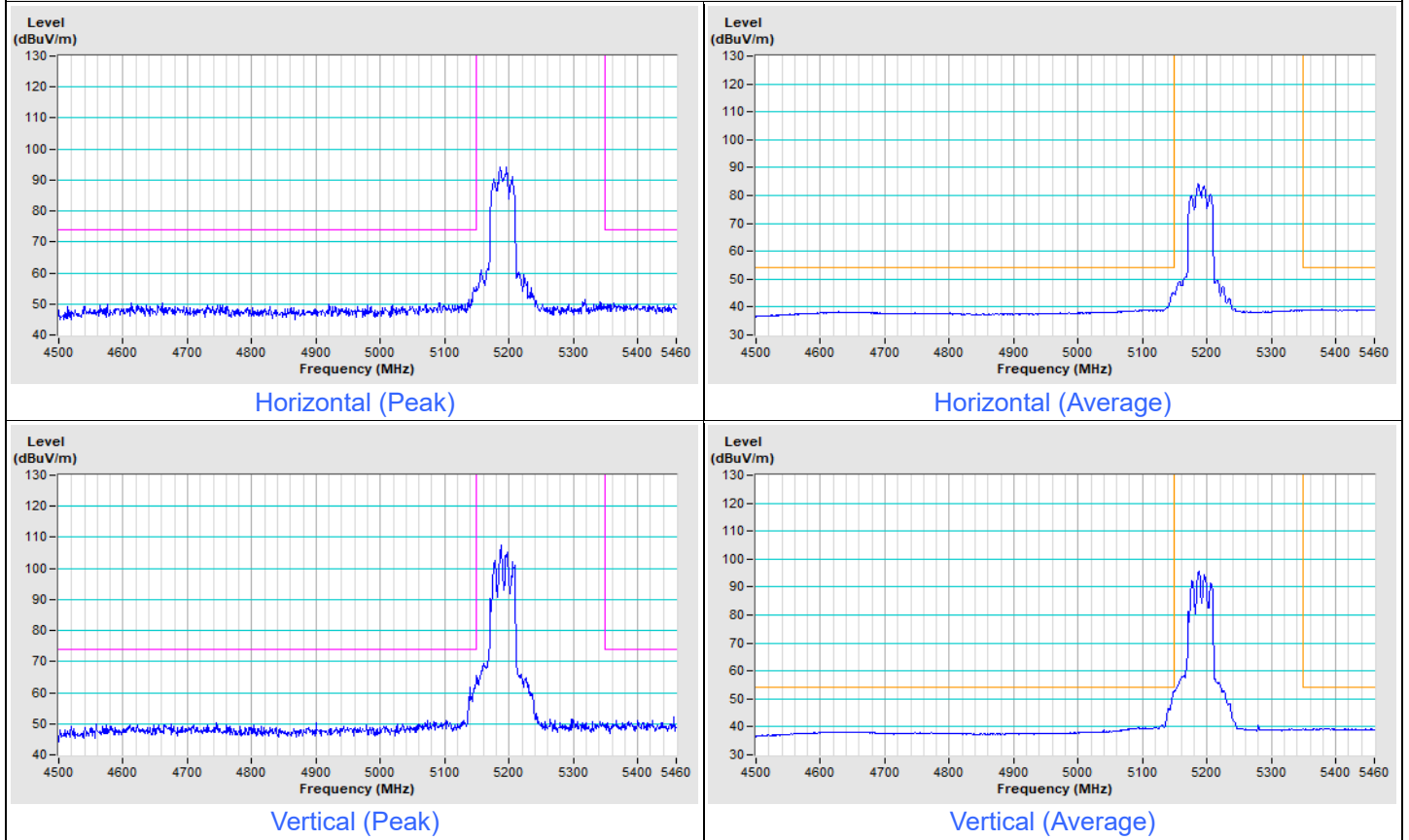
802.11ax (HE20) Channel 149



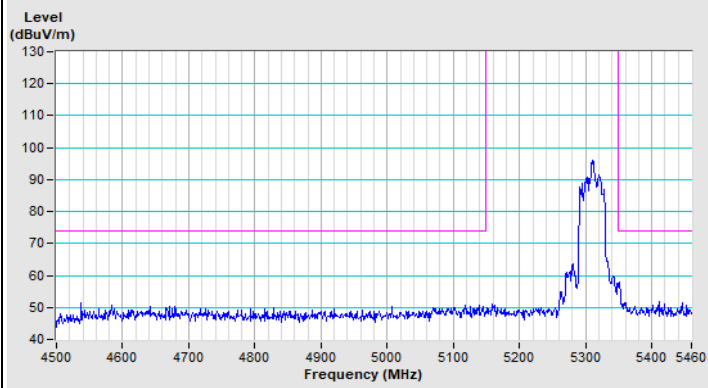
802.11ax (HE20) Channel 157**802.11ax (HE20) Channel 165**

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=10 Hz, DET=Peak
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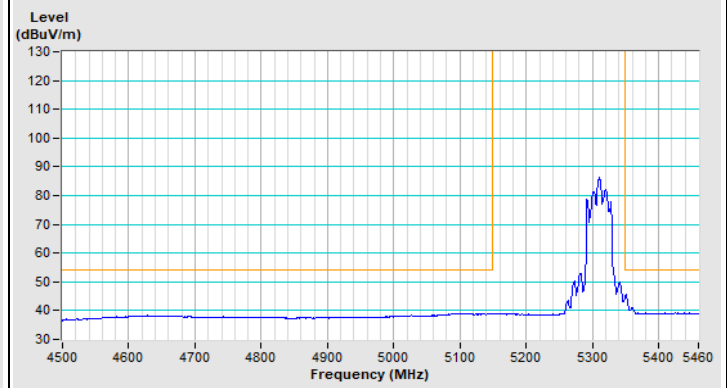
802.11ax (HE40) Channel 38



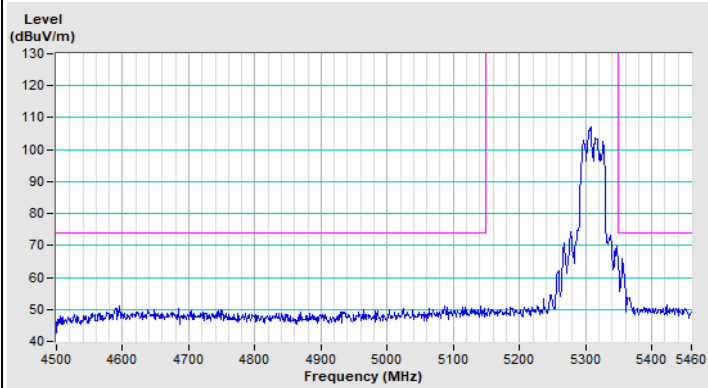
802.11ax (HE40) Channel 62



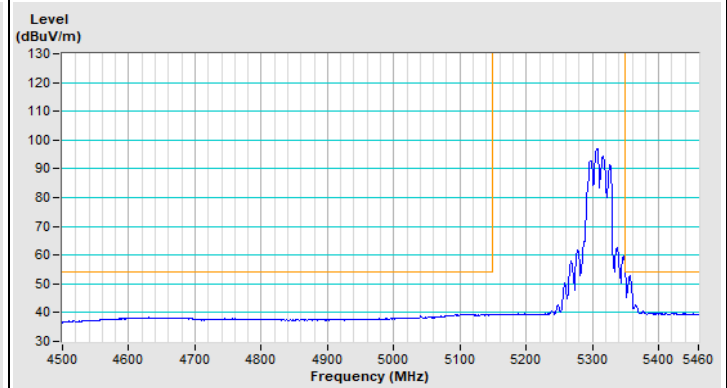
Horizontal (Peak)



Horizontal (Average)



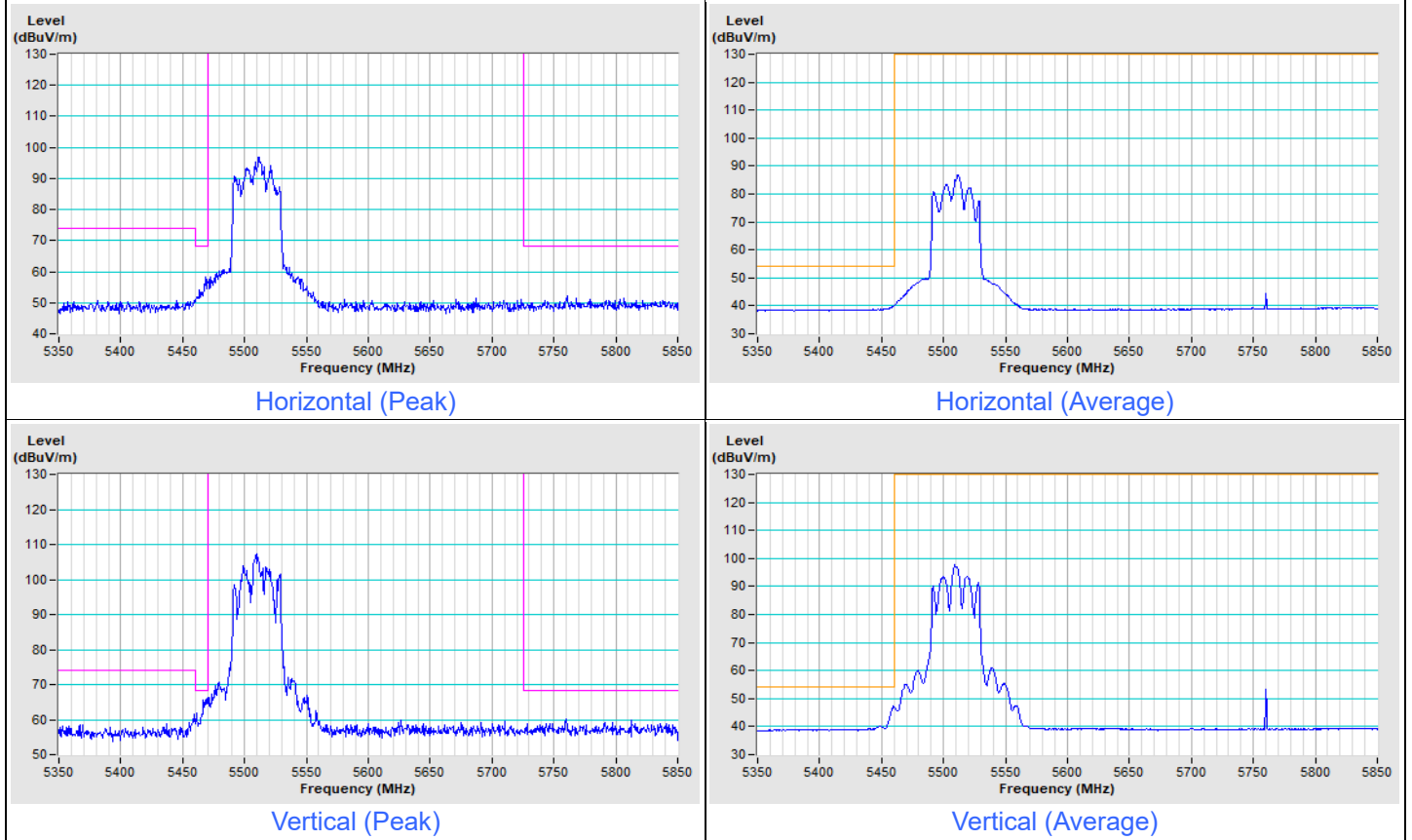
Vertical (Peak)



Vertical (Average)

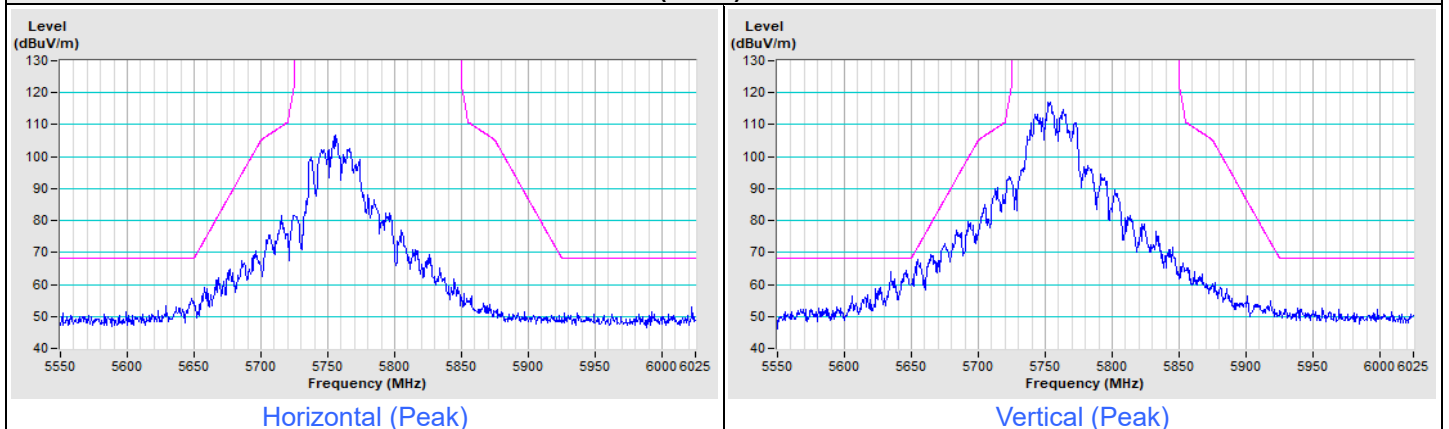
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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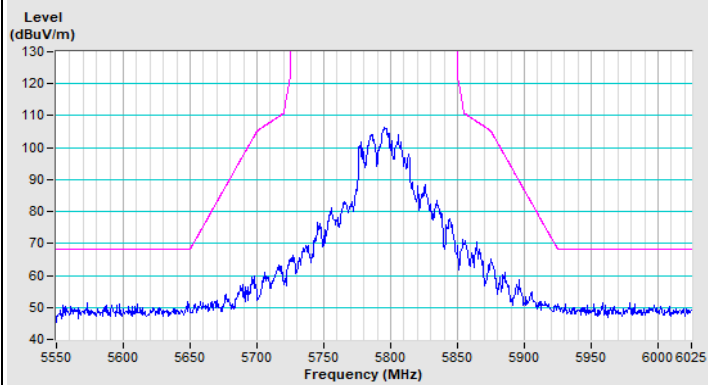
802.11ax (HE40) Channel 102



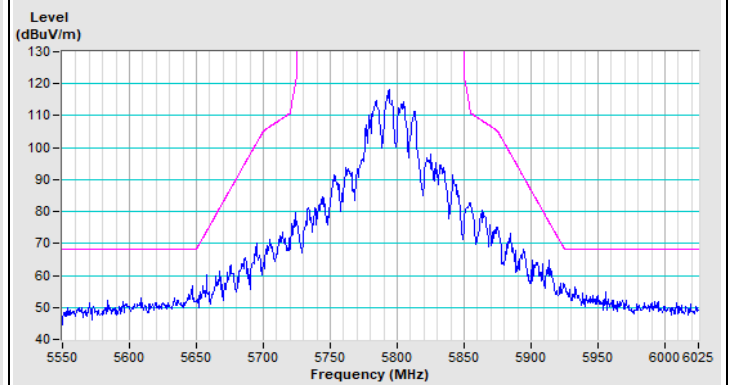
Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151



802.11ax (HE40) Channel 159

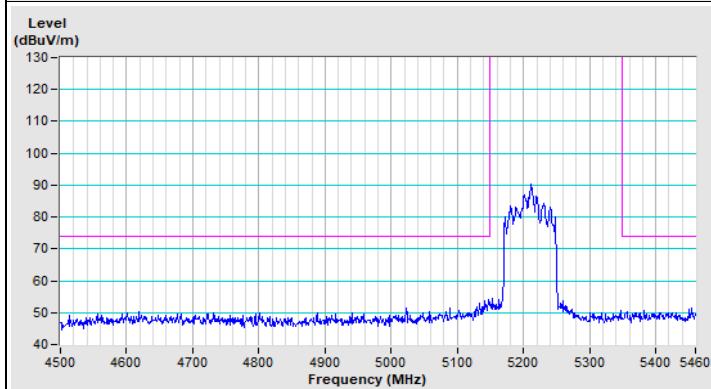
Horizontal (Peak)



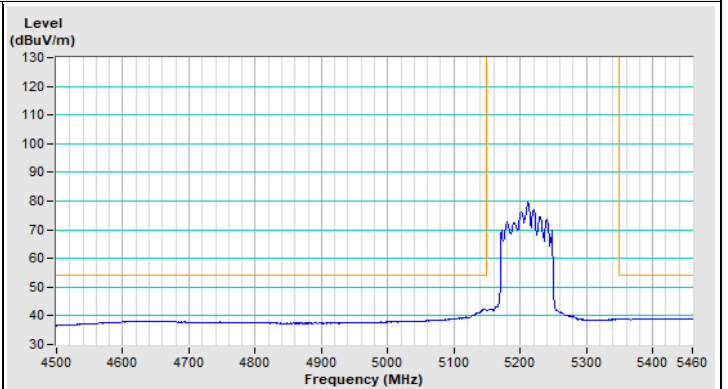
Vertical (Peak)

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=10 Hz, DET=Peak
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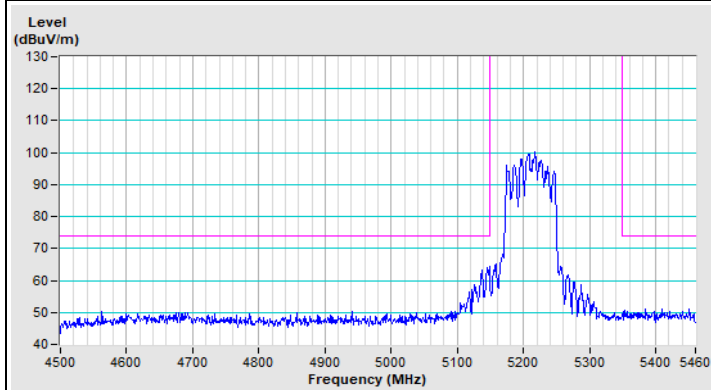
802.11ax (HE80) Channel 42



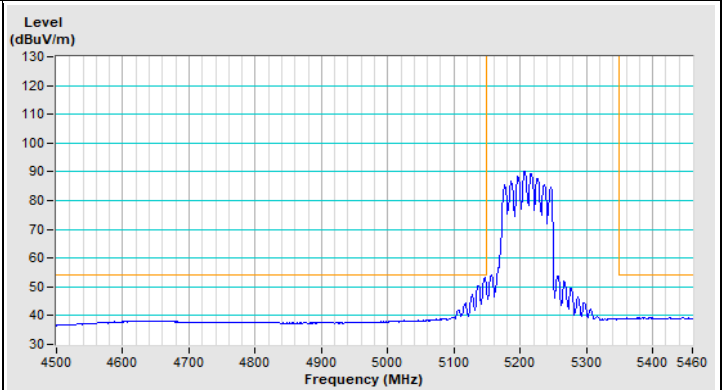
Horizontal (Peak)



Horizontal (Average)

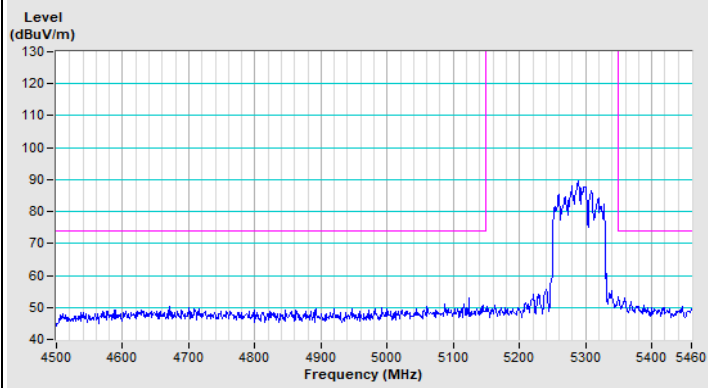


Vertical (Peak)

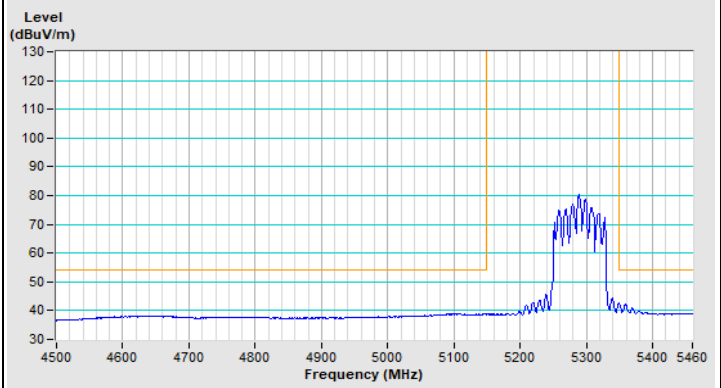


Vertical (Average)

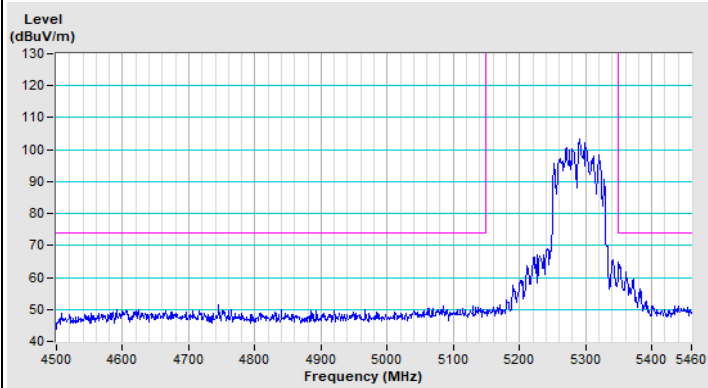
802.11ax (HE80) Channel 58



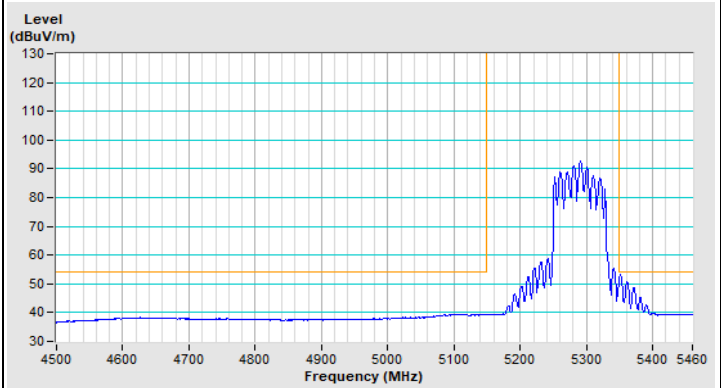
Horizontal (Peak)



Horizontal (Average)



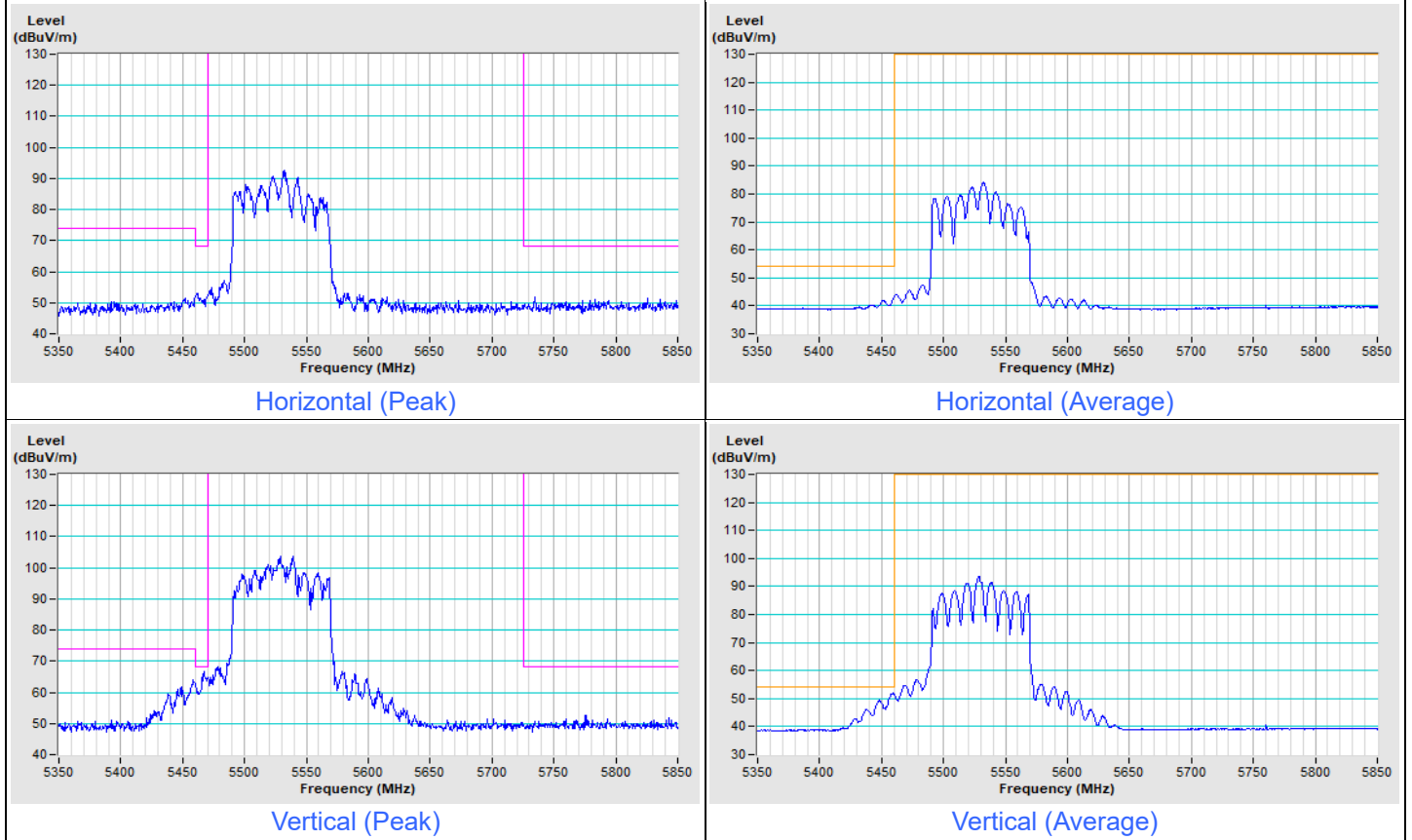
Vertical (Peak)



Vertical (Average)

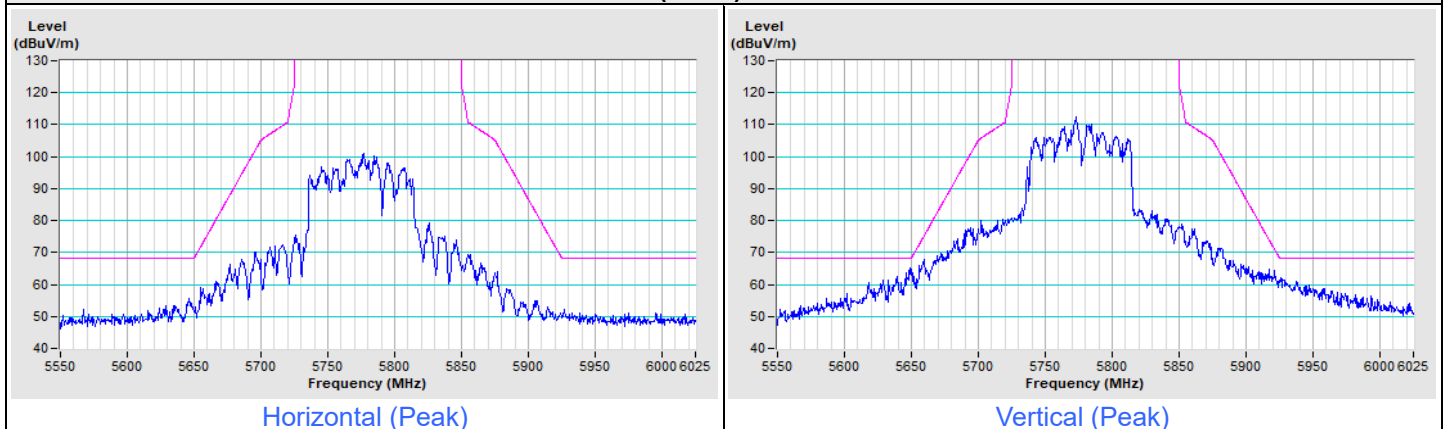
Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Channel 106



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



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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