TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBBUI-WTW-P21040655Z-1
FCC ID:	TX2-RTL8852BE
Product:	11ax RTL8852BE Combo module
Brand:	REALTEK
Model No.:	RTL8852BE
Received Date:	2024/2/6
Test Date:	2024/3/22 ~ 2024/5/28
Issued Date:	2024/5/31
Applicant:	Realtek Semiconductor Corp.
Address:	No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: _____ , **Date:** 2024/5/31

May Chen / Manager

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBBUI-WTW-P21040655Z-1	Original release.	2024/5/31

1 Certificate

Product:	11ax RTL8852BE Combo module
Brand:	REALTEK
Test Model:	RTL8852BE
Sample Status:	Engineering sample
Applicant:	Realtek Semiconductor Corp.
Test Date:	2024/3/22 ~ 2024/5/28
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	N/A	Refer to Note 1 below
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	N/A	Refer to Note 1 below
15.407(e)	6 dB Bandwidth	N/A	Refer to Note 1 below
---	Occupied Bandwidth	N/A	Refer to Note 1 below
15.407(g)	Frequency Stability	N/A	Refer to Note 1 below
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -13.69 dB at 0.15391 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.0 dB at 896.19 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -1.7 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is i-pex(MHF) not a standard connector.

Notes:

1. Only RF Output Power, AC Power Conducted Emissions and Unwanted Emissions test items were performed for this addendum. The others testing data refer to original test report.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
3. 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:

Parameter	Specification	Uncertainty (±)
RF Output Power	-	1.1 dB
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	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	11ax RTL8852BE Combo module
Brand	REALTEK
Test Model	RTL8852BE
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps 802.11ax: up to 1201 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Resource Unit (RU)	Single RU: 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone
Output Power	**1TX:** 5.18 GHz ~ 5.24 GHz: 161.436 mW (22.08 dBm) 5.26 GHz ~ 5.32 GHz: 161.065 mW (22.07 dBm) 5.5 GHz ~ 5.72 GHz: 161.065 mW (22.07 dBm) 5.745 GHz ~ 5.825 GHz: 165.577 mW (22.19 dBm) **2TX:** **CDD Mode:** 5.18 GHz ~ 5.24 GHz: 228.581 mW (23.59 dBm) 5.26 GHz ~ 5.32 GHz: 232.001 mW (23.65 dBm) 5.5 GHz ~ 5.72 GHz: 227.933 mW (23.58 dBm) 5.745 GHz ~ 5.825 GHz: 327.377 mW (25.15 dBm)
EUT Category	Client device

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the Report No.: RFBBUI-WTW-P21040655E-1 as the following:
   - Add PCIe+USB E-Key for dual antenna SKU.
   - Add component (R4) for identified voltage in the new interface.
   - Software change.
2. According to above conditions, only RF Output Power, AC Power Conducted Emissions and Unwanted Emissions need to be performed and all data was tested to meet the requirements.
3. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology used for the EUT.

4. Simultaneously transmission condition.

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

5. The EUT has below HW SKU configuration, as below table:

Original		
SKU No.	Interface	Description
1	PCIe + USB (AE-Key)	Single antenna port
2	PCIe + USB (AE-Key)	Dual antenna port
3	PCIe + UART (E-Key)	Dual antenna port
Newly		
SKU No.	Interface	Description
4	PCIe + USB (E-Key)	Dual antenna port

6. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
7. 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.

Ant. Set	RF Chain No.	Brand	Model	Ant. Net Gain (dBi)	Frequency Range (GHz)	Ant. Type	Connector Type	Cable Length (mm)
1	Chain 0	ARISTOTLE	RFA-27-JP326-MHF4300	3.5	2.4~2.4835	PIFA	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
	Chain 1	ARISTOTLE	RFA-27-JP326-MHF4300	3.5	2.4~2.4835	PIFA	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
2	Chain 0	ARISTOTLE	RFA-27-C38H1-MHF4300	3	2.4~2.4835	Dipole	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
	Chain 1	ARISTOTLE	RFA-27-C38H1-MHF4300	3	2.4~2.4835	Dipole	i-pex(MHF)	300
				5	5.15~5.85			
				5	5.875~7.125			
3	Chain 0	ARISTOTLE	RFA-27-JP378-4B-200	3.38	2.4~2.4835	Monopole	i-pex(MHF)	200
				4.81	5.15~5.85			
				4.86	5.875~7.125			
	Chain 1	ARISTOTLE	RFA-27-JP378-4B-200	3.38	2.4~2.4835	Monopole	i-pex(MHF)	200
				4.81	5.15~5.85			
				4.86	5.875~7.125			
Note: The Bluetooth technology will fix transmission on Chain 1.								

* 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/1TX Diversity	2RX
802.11n (HT20)	2TX/1TX Diversity	2RX
802.11n (HT40)	2TX/1TX Diversity	2RX
802.11ac (VHT20)	2TX/1TX Diversity	2RX
802.11ac (VHT40)	2TX/1TX Diversity	2RX
802.11ac (VHT80)	2TX/1TX Diversity	2RX
802.11ax (HE20)	2TX/1TX Diversity	2RX
802.11ax (HE40)	2TX/1TX Diversity	2RX
802.11ax (HE80)	2TX/1TX Diversity	2RX
802.11ax (RU26/52/106/242/484/996)	2TX/1TX Diversity	2RX

Note:
1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz) 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 ~ 5240 MHz

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

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

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

Channel	Frequency
42	5210 MHz

FOR 5250 ~ 5320 MHz

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

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

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

Channel	Frequency
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:	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)

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

Test Item	EUT Configure Mode	Mode	Transmitter Configuration	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
RF Output Power	-	802.11a	1TX / 2TX	SISO / CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
		802.11ax (HE20)			36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
		802.11ax (HE40)			38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
		802.11ax (HE80)			42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
		802.11ax (HE20) 26-tone RU			36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	0, 4, 8 0, 4, 8 0, 4, 8, 8, 0, 4, 8
		802.11ax (HE20) 52-tone RU			36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	37, 39, 40 37, 39, 40 37, 39, 40, 40 37, 39, 40
		802.11ax (HE20) 106-tone RU			36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	53, 53, 54 53, 53, 54 53, 53, 54, 54, 53, 53, 54

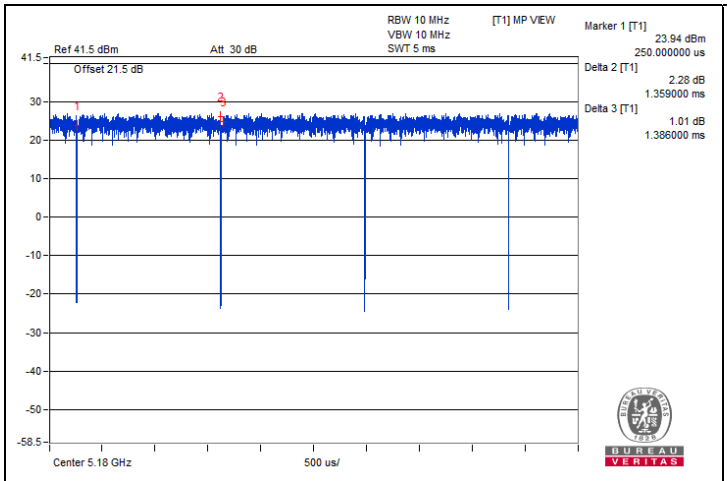
Test Item	EUT Configure Mode	Mode	Transmitter Configuration	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU Index
AC Power Conducted Emissions	A	802.11a	2TX	CDD	157	BPSK	6Mb/s	NA
Unwanted Emissions below 1 GHz	A, B, C	802.11a	1TX / 2TX	SISO / CDD	157	BPSK	6Mb/s	NA
Unwanted Emissions above 1 GHz	A, B, C	802.11a	2TX	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
EUT Configure Mode:	A	PIFA antenna with PCIe + USB E key interface + dual antenna port						
	B	Dipole antenna with PCIe + USB E key interface + dual antenna port						
	C	Monopole antenna with PCIe + USB E key interface + dual antenna port						

Note: In the original report

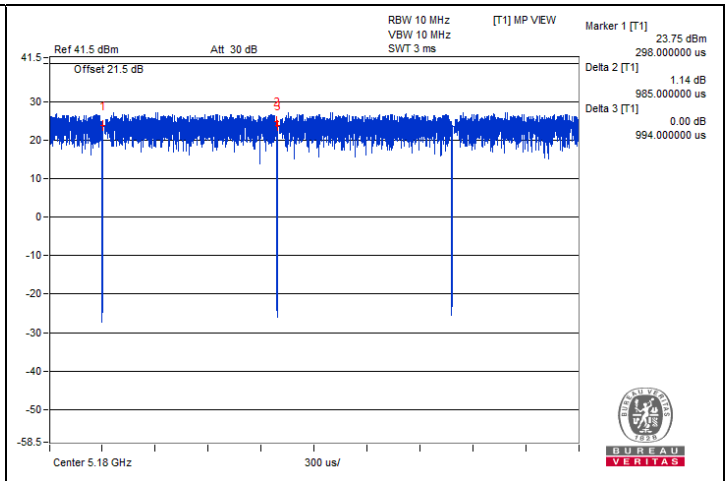
1. For EUT antennas, the worst case was found when positioned on (X / Y / Z axis):
   - PIFA antenna: X-axis,
   - Dipole antenna: Y-axis used for typical placement,
   - Monopole antenna: Y-axis
2. For EUT 1TX diversity configuration the worst chain on Chain 0.
3. For Partial RU the worst case occurs in 20MHz bandwidth(RU 26/52/106).

3.5 Duty Cycle of Test Signal

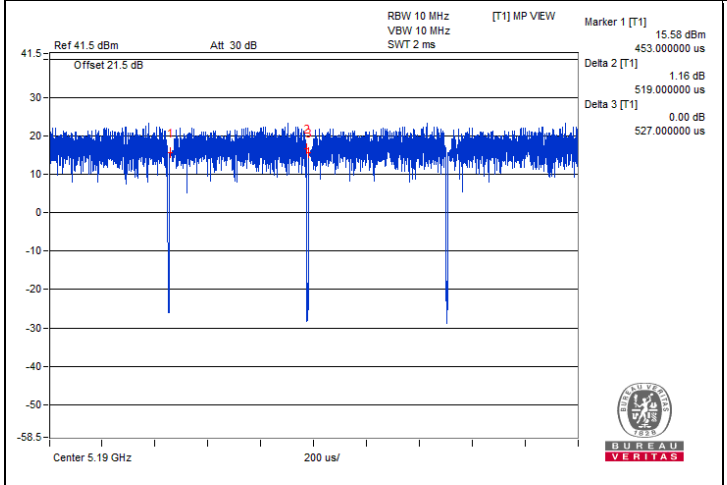
802.11a: Duty cycle = 1.359 ms / 1.386 ms x 100% = 98.1%
802.11ax (HE20): Duty cycle = 0.985 ms / 0.994 ms x 100% = 99.1%
802.11ax (HE40): Duty cycle = 0.519 ms / 0.527 ms x 100% = 98.5%
802.11ax (HE80): Duty cycle = 0.289 ms / 0.292 ms x 100% = 99.0%
802.11ax (HE20) 26-tone RU: Duty cycle = 4.883 ms / 4.895 ms x 100% = 99.8%
802.11ax (HE20) 52-tone RU: Duty cycle = 2.473 ms / 2.484 ms x 100% = 99.6%
802.11ax (HE20) 106-tone RU: Duty cycle = 1.199 ms / 1.208 ms x 100% = 99.3%



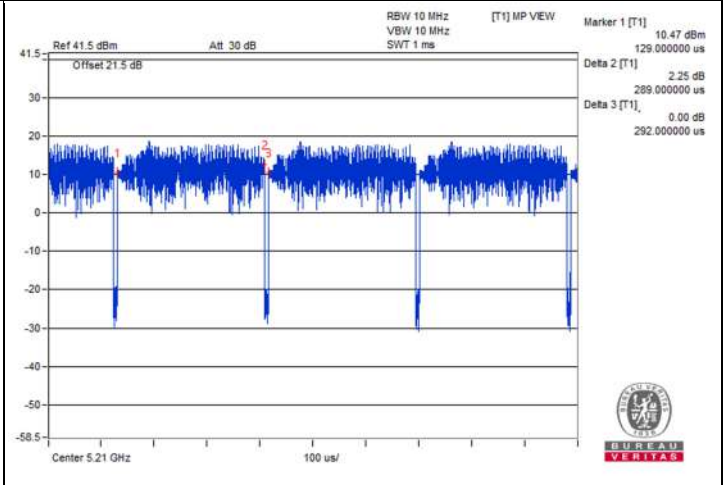
802.11a



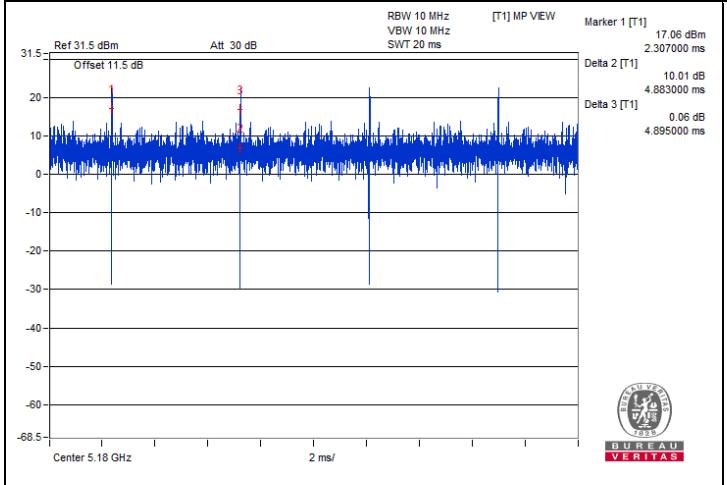
802.11ax (HE20)



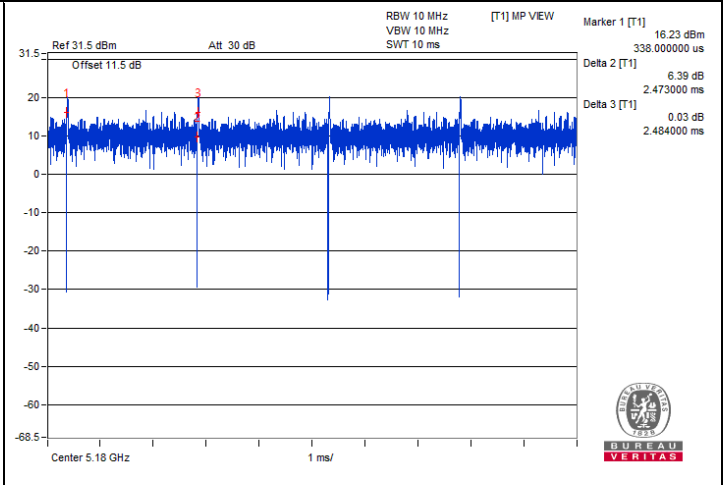
802.11ax (HE40)



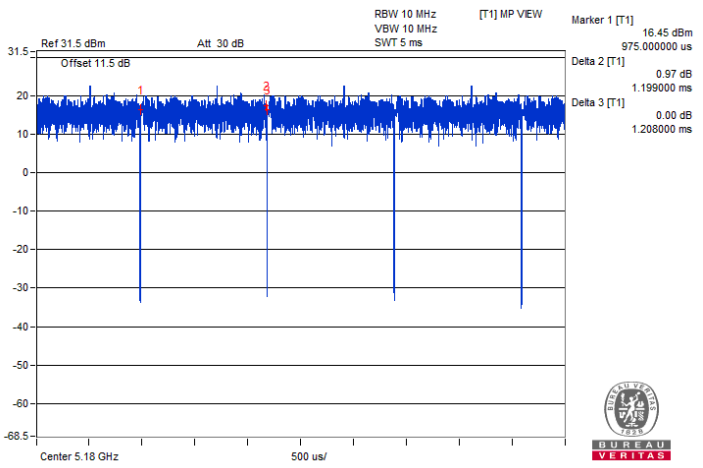
802.11ax (HE80)



802.11ax (HE20) 26-tone RU



802.11ax (HE20) 52-tone RU



802.11ax (HE20) 106-tone RU

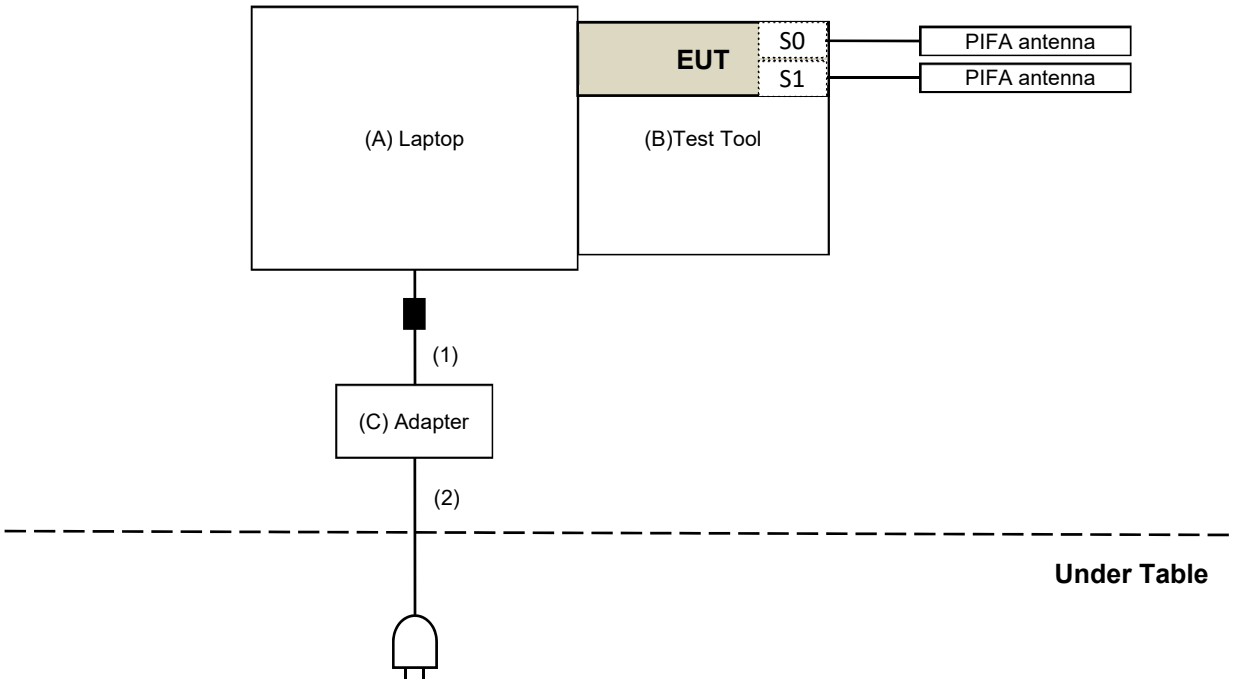
3.6 Test Program Used and Operation Descriptions

Controlling software (RTL8852B MP Toolkit V1.0.7) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

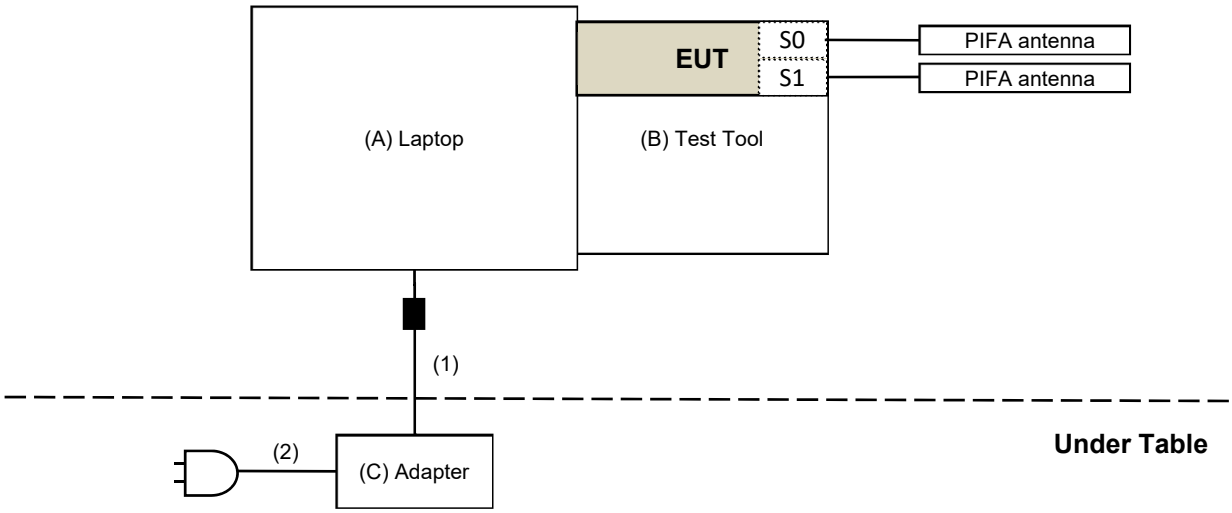
For AC Power Conducted Emission Test

Mode A

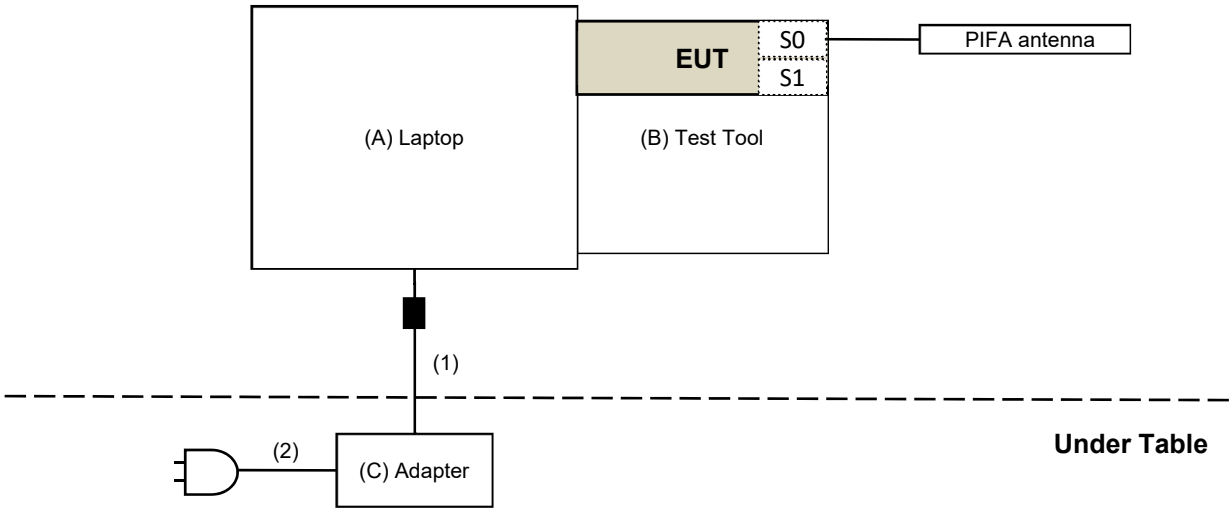


For Unwanted Emissions test

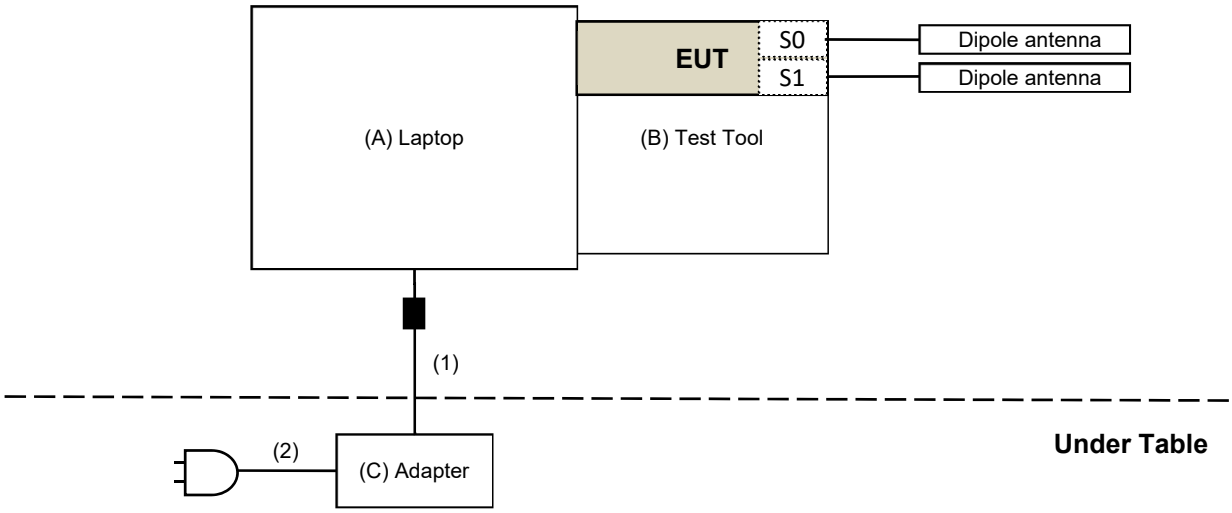
Mode A (PIFA antenna 2TX)



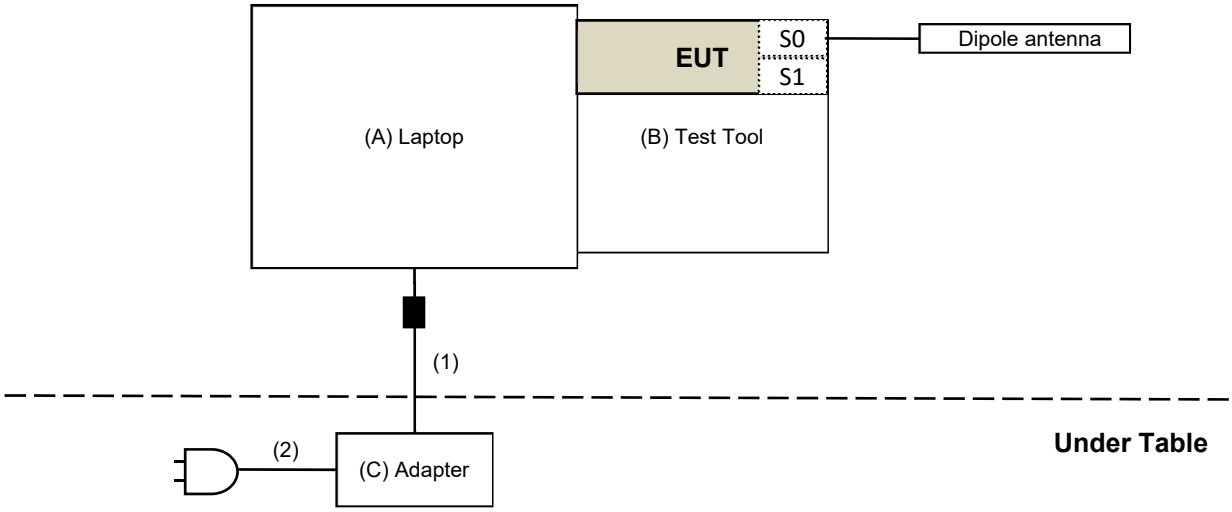
Mode A (PIFA antenna 1TX)



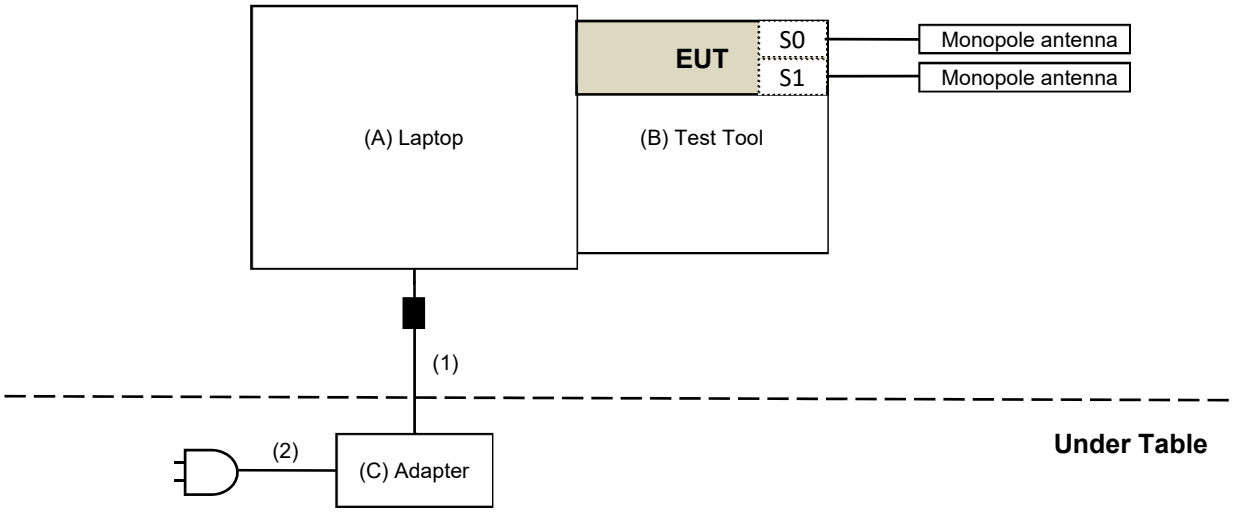
Mode B (Dipole antenna 2TX)



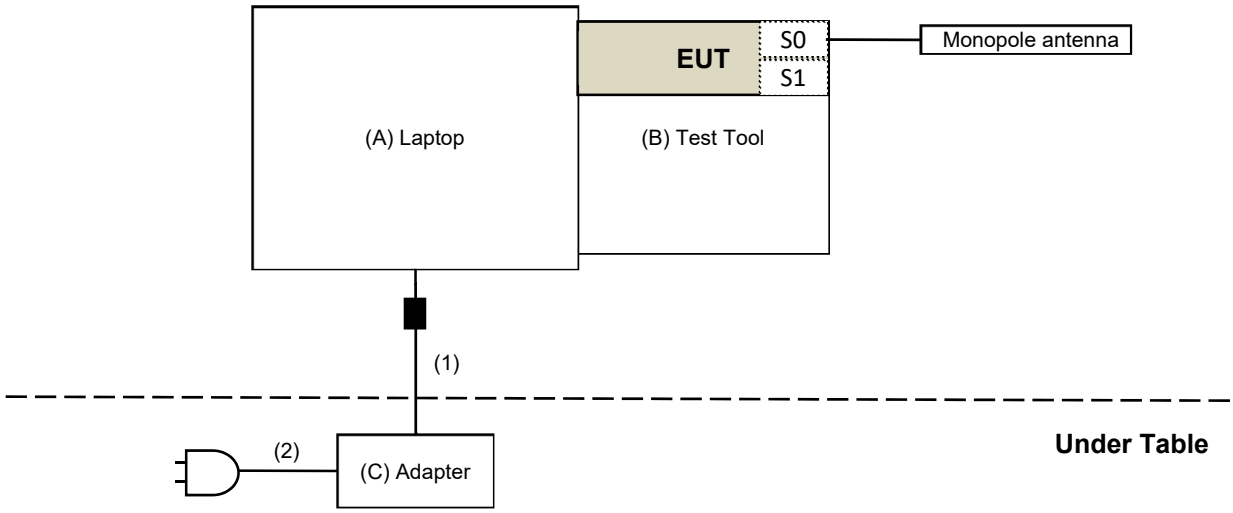
Mode B (Dipole antenna 1TX)



Mode C (Monopole antenna 2TX)



Mode C (Monopole antenna 1TX)



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E6420	B92T3R1	FCC DoC	Provided by Lab
B	Test Tool	Realtek	N/A	N/A	N/A	Supplied by applicant
C	Adapter	DELL	LA65NS2-01	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Provided by Lab
2	AC Cable	1	1	No	0	Provided by Lab

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2024/2/20	2025/2/19
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: 2024/5/24

4.2 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	2023/4/6	2024/4/5
		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: 2024/3/22

4.3 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-0842	2023/10/12	2024/10/11
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2023/4/6	2024/4/5
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-02	2023/12/12	2024/12/11
Loop Antenna Electro-Metrics	EM-6879	264	2024/2/23	2025/2/22
Preamplifier EMCI	EMC330N	980538	2023/4/6	2024/4/5
	EMC001340	980142	2024/2/19	2025/2/18
PXA Signal Analyzer Keysight	N9030B	MY57141948	2023/5/19	2024/5/18
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2024/2/19	2025/2/18
		LOOPCAB-002	2024/2/19	2025/2/18
RF Coaxial Cable PEWC	8D	966-5-1	2023/4/6	2024/4/5
		966-5-2	2023/4/6	2024/4/5
		966-5-3	2023/4/6	2024/4/5
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2024/3/22 ~ 2024/3/25

4.4 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
EMI Test Receiver R&S	ESR7	102026	2024/3/25	2025/3/24
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1819	2023/11/12	2024/11/11
	BBHA 9170	9170-739	2023/11/12	2024/11/11
Preamplifier EMCI	EMC12630SE	980509	2024/1/29	2025/1/28
	EMC184045SE	980387	2023/8/9	2024/8/8
PXA Signal Analyzer Keysight	N9030B	MY57141948	2024/5/20	2025/5/19
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	180503	2024/3/16	2025/3/15
	EMC104-SM-SM-2000	180501	2024/3/16	2025/3/15
	EMC104-SM-SM-6000	180506	2024/3/16	2025/3/15
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 5.
2. Tested Date: 2024/5/27 ~ 2024/5/28

5 Limits of Test Items

5.1 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

5.2 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.

5.3 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).

5.4 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:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

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

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

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup

For channel straddling:

6.1.2 Test Procedure

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

For channel straddling:

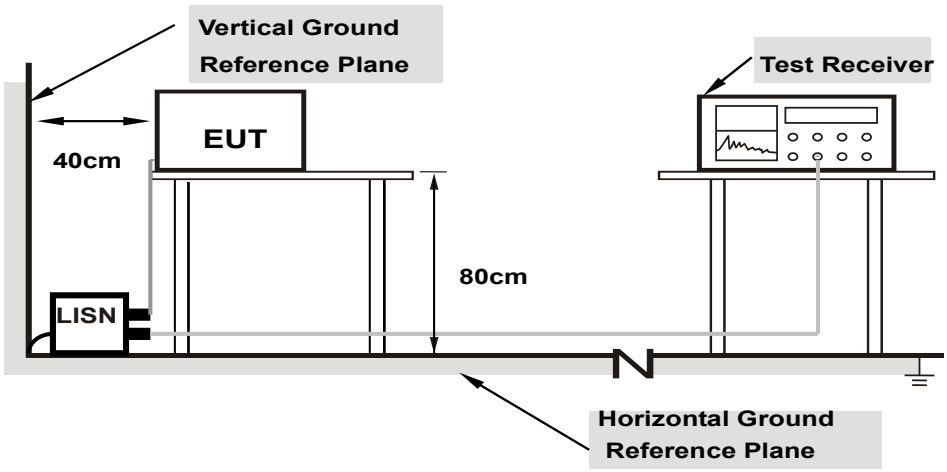
Method SA-1

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

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

6.2 AC Power Conducted Emissions

6.2.1 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).

6.2.2 Test Procedure

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

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

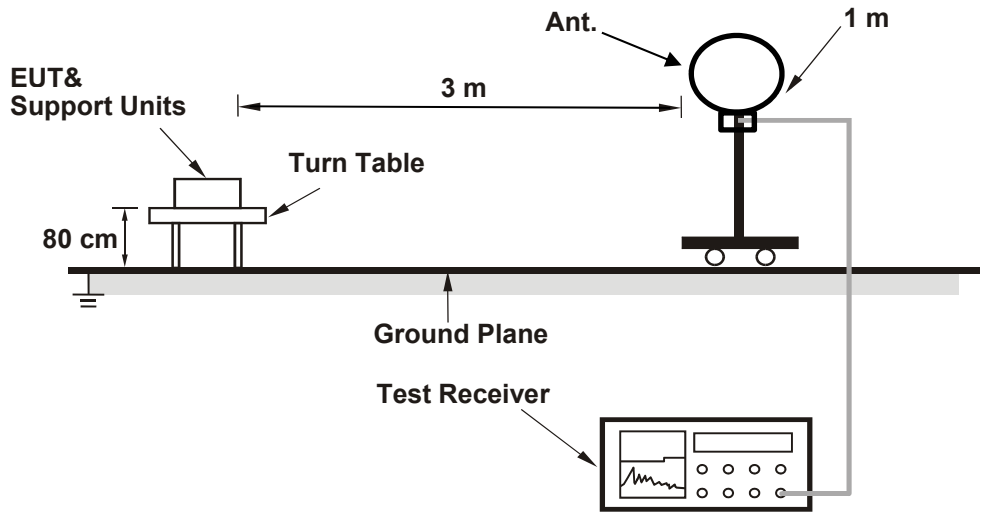
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

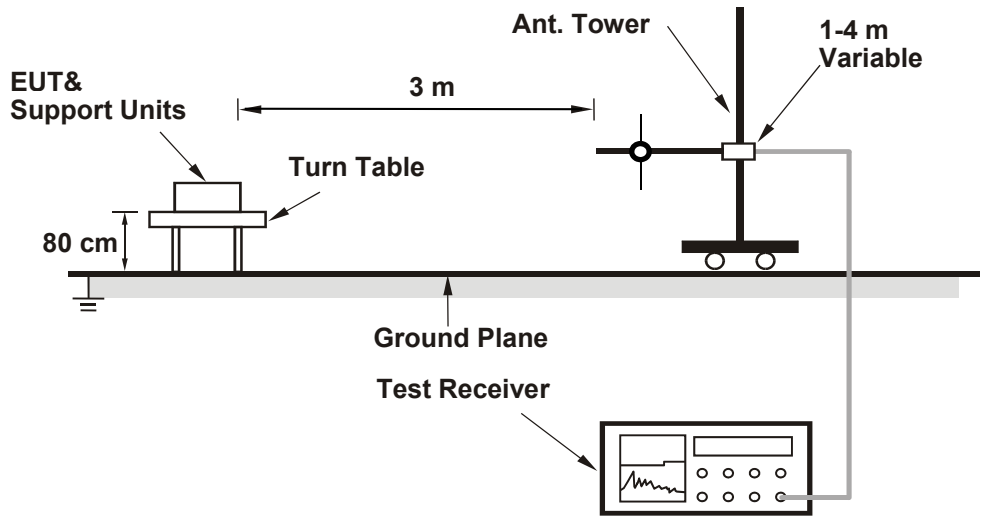
6.3 Unwanted Emissions below 1 GHz

6.3.1 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).

6.3.2 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.

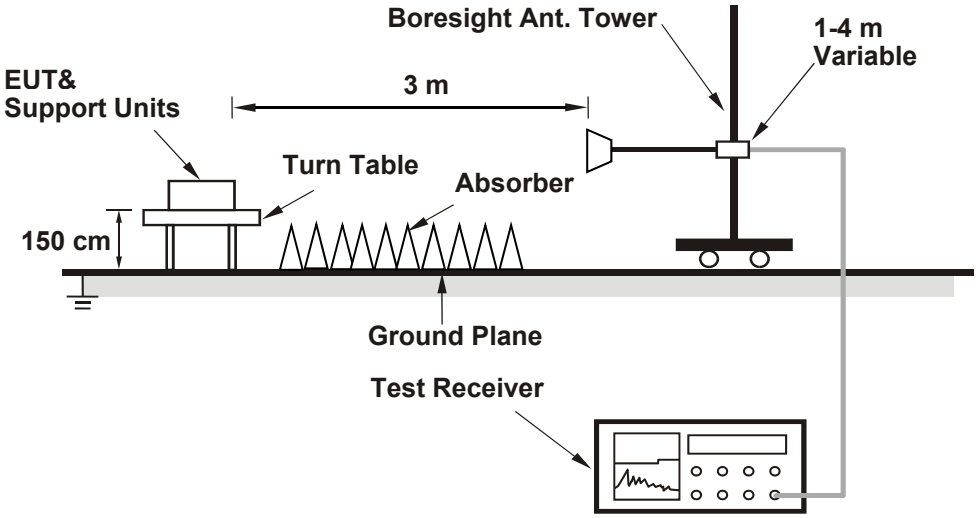
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

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.

6.4 Unwanted Emissions above 1 GHz

6.4.1 Test Setup



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

6.4.2 Test Procedure

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

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

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

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

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

Notes:

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

7 Test Results of Test Item

7.1 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	26°C, 63% RH	Tested By:	Katina Lu

1TX

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	143.88	21.58	24	Pass
40	5200	160.694	22.06	24	Pass
48	5240	161.436	22.08	24	Pass
52	5260	160.694	22.06	24	Pass
60	5300	157.398	21.97	24	Pass
64	5320	124.738	20.96	24	Pass
100	5500	103.039	20.13	24	Pass
116	5580	158.125	21.99	24	Pass
140	5700	78.524	18.95	24	Pass
*144 (U-NII-2C)	5720	126.183	21.01	24	Pass
*144 (U-NII-3)	5720	20.989	13.22	30	Pass
149	5745	161.436	22.08	30	Pass
157	5785	165.577	22.19	30	Pass
165	5825	162.181	22.10	30	Pass

Notes:

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

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	130.918	21.17	24	Pass
40	5200	157.036	21.96	24	Pass
48	5240	157.036	21.96	24	Pass
52	5260	161.065	22.07	24	Pass
60	5300	160.694	22.06	24	Pass
64	5320	113.501	20.55	24	Pass
100	5500	95.499	19.80	24	Pass
116	5580	161.065	22.07	24	Pass
140	5700	72.611	18.61	24	Pass
*144 (U-NII-2C)	5720	124.738	20.96	24	Pass
*144 (U-NII-3)	5720	20.045	13.02	30	Pass
149	5745	155.597	21.92	30	Pass
157	5785	162.181	22.10	30	Pass
165	5825	155.239	21.91	30	Pass

Notes:

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

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	57.412	17.59	24	Pass
46	5230	127.644	21.06	24	Pass
54	5270	128.529	21.09	24	Pass
62	5310	61.376	17.88	24	Pass
102	5510	50.234	17.01	24	Pass
110	5550	127.35	21.05	24	Pass
134	5670	102.329	20.10	24	Pass
*142 (U-NII-2C)	5710	117.22	20.69	24	Pass
*142 (U-NII-3)	5710	5.781	7.62	30	Pass
151	5755	124.451	20.95	30	Pass
159	5795	127.644	21.06	30	Pass

Notes:

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

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	51.642	17.13	24	Pass
58	5290	57.544	17.60	24	Pass
106	5530	44.361	16.47	24	Pass
122	5610	111.686	20.48	24	Pass
*138 (U-NII-2C)	5690	101.391	20.06	24	Pass
*138 (U-NII-3)	5690	3.388	5.30	30	Pass
155	5775	112.98	20.53	30	Pass

Notes:

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

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	25.061	13.99	24	Pass
40	5200	25.527	14.07	24	Pass
48	5240	25.119	14.00	24	Pass
52	5260	25.235	14.02	24	Pass
60	5300	25.061	13.99	24	Pass
64	5320	25.882	14.13	24	Pass
100	5500	26.062	14.16	24	Pass
116	5580	25.119	14.00	24	Pass
140	5700	24.66	13.92	24	Pass
*144 (U-NII-2C)	5720	0.04256	-13.71	24	Pass
*144 (U-NII-3)	5720	21.281	13.28	30	Pass
149	5745	159.588	22.03	30	Pass
157	5785	161.436	22.08	30	Pass
165	5825	158.489	22.00	30	Pass

Notes:

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

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	41.783	16.21	24	Pass
40	5200	42.658	16.30	24	Pass
48	5240	41.976	16.23	24	Pass
52	5260	45.082	16.54	24	Pass
60	5300	48.195	16.83	24	Pass
64	5320	46.132	16.64	24	Pass
100	5500	43.351	16.37	24	Pass
116	5580	43.954	16.43	24	Pass
140	5700	46.026	16.63	24	Pass
*144 (U-NII-2C)	5720	0.4093	-3.88	24	Pass
*144 (U-NII-3)	5720	45.814	16.61	30	Pass
149	5745	162.181	22.10	30	Pass
157	5785	163.305	22.13	30	Pass
165	5825	163.682	22.14	30	Pass

Notes:

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

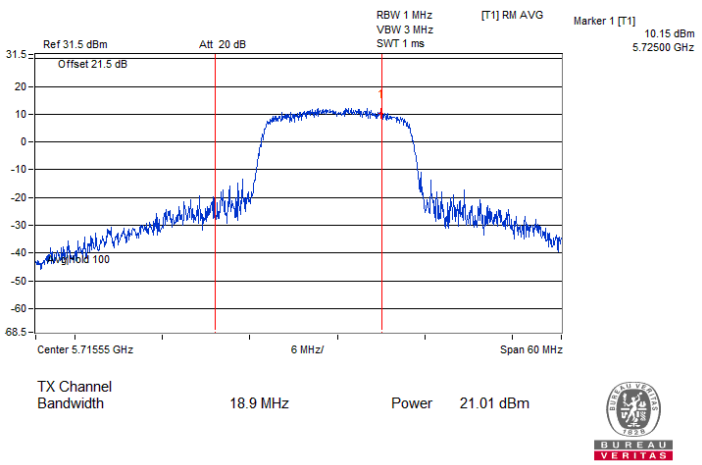
802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	69.823	18.44	24	Pass
40	5200	67.453	18.29	24	Pass
48	5240	71.614	18.55	24	Pass
52	5260	70.307	18.47	24	Pass
60	5300	72.277	18.59	24	Pass
64	5320	72.277	18.59	24	Pass
100	5500	67.298	18.28	24	Pass
116	5580	69.183	18.40	24	Pass
140	5700	74.131	18.70	24	Pass
*144 (U-NII-2C)	5720	39.446	15.96	24	Pass
*144 (U-NII-3)	5720	22.803	13.58	30	Pass
149	5745	161.808	22.09	30	Pass
157	5785	163.305	22.13	30	Pass
165	5825	162.93	22.12	30	Pass

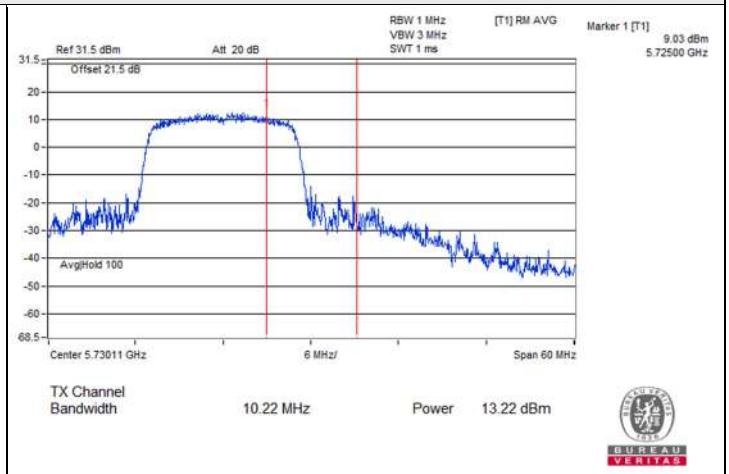
Notes:

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

Spectrum Plot for channel straddling

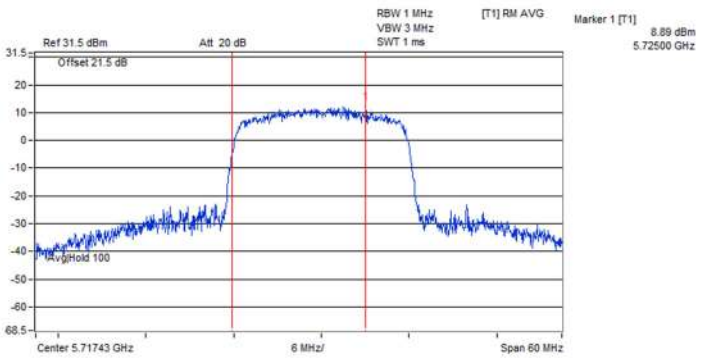


802.11a : CH 144 (U-NII-2C)



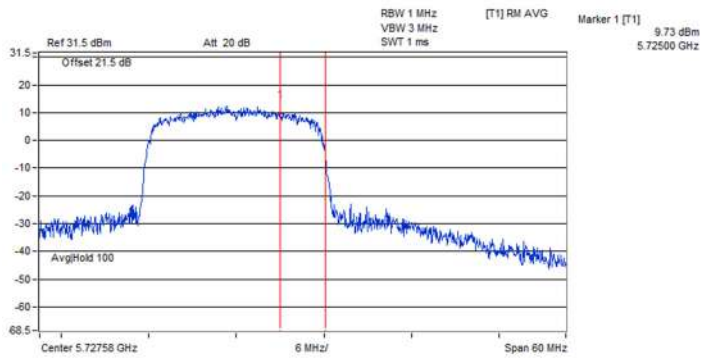
802.11a : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



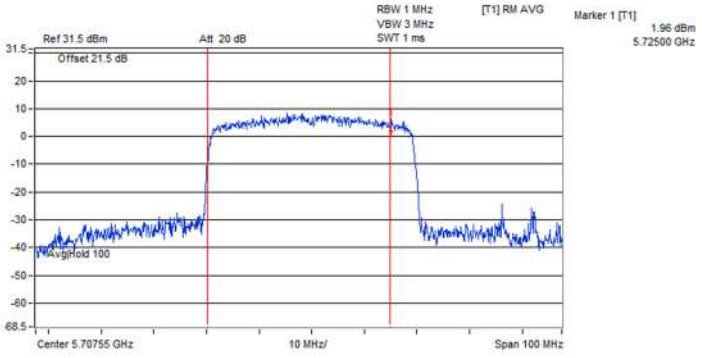
TX Channel Bandwidth 15.15 MHz Power 20.96 dBm

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



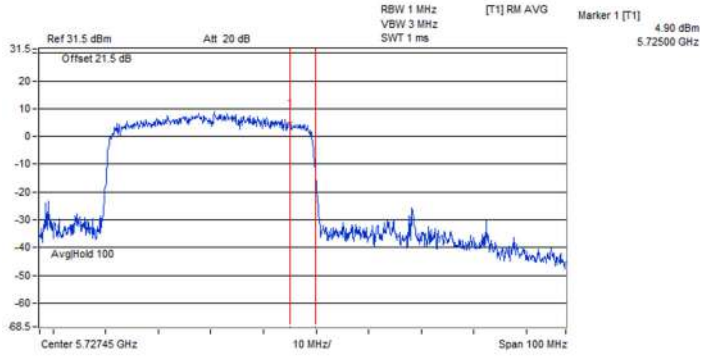
TX Channel Bandwidth 5.16 MHz Power 13.02 dBm

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



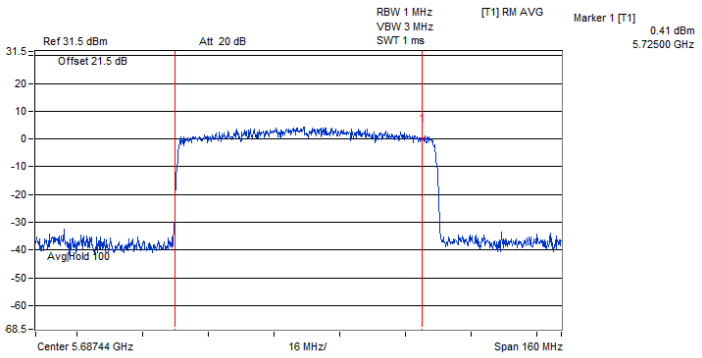
TX Channel Bandwidth 34.9 MHz Power 20.69 dBm

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



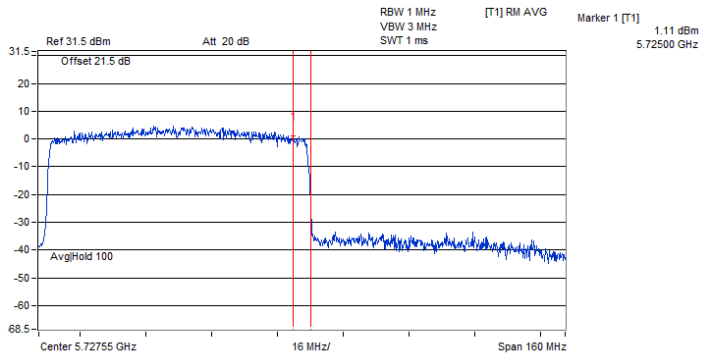
TX Channel Bandwidth 4.89 MHz Power 7.62 dBm

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



TX Channel Bandwidth 75.12 MHz Power 20.06 dBm

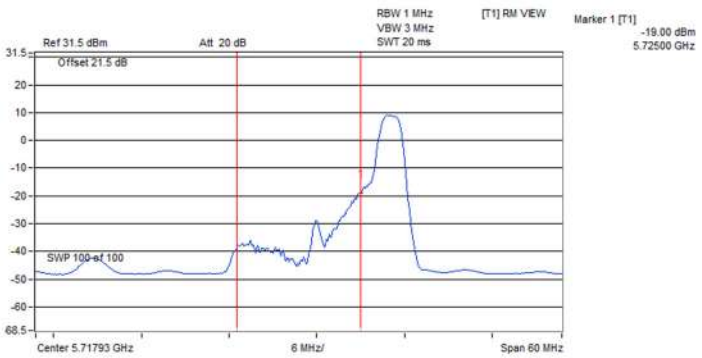
802.11ax (HE80) : CH 138 (U-NII-2C)



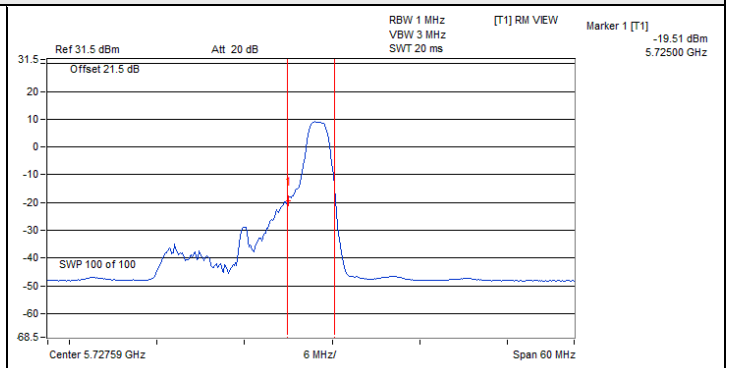
TX Channel Bandwidth 5.09 MHz Power 5.3 dBm

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

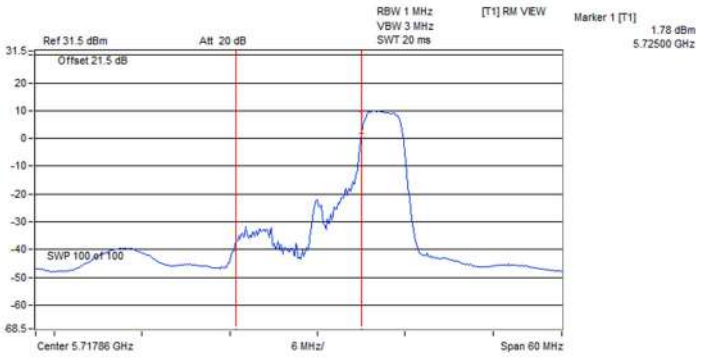
Spectrum Plot for channel straddling



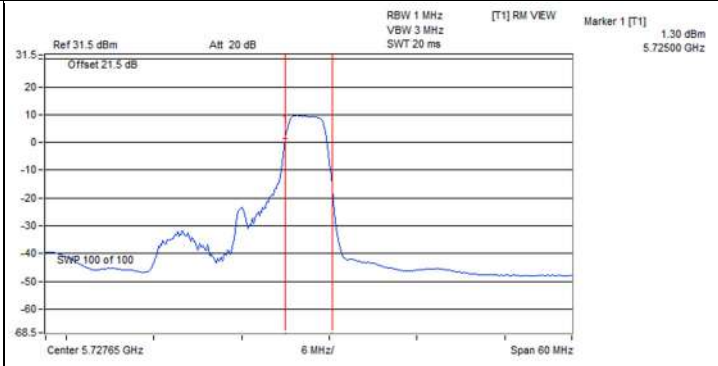
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-2C)



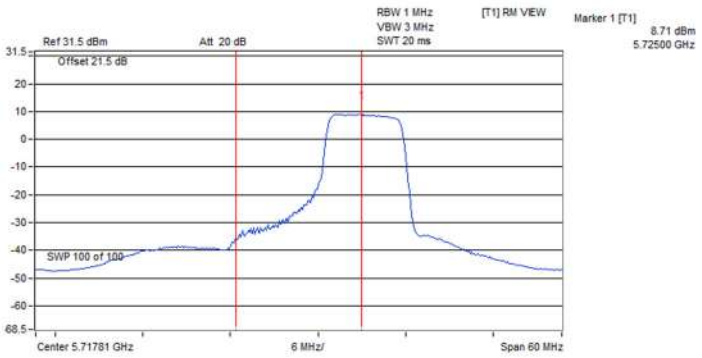
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-3)



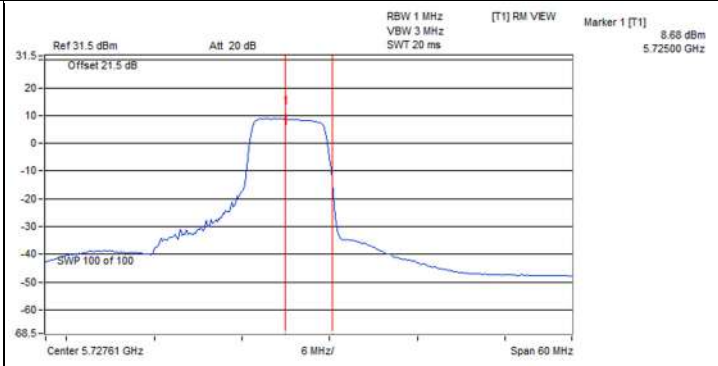
802.11ax (HE20) 52-tone RU : CH 144 (U-NII-2C)



802.11ax (HE20) 52-tone RU : CH 144 (U-NII-3)



802.11ax (HE20) 106-tone RU : CH 144 (U-NII-2C)



802.11ax (HE20) 106-tone RU : CH 144 (U-NII-3)

2TX

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	18.51	18.48	141.427	21.51	24	Pass
40	5200	18.43	18.40	138.846	21.43	24	Pass
48	5240	18.52	18.30	138.73	21.42	24	Pass
52	5260	18.69	18.55	145.575	21.63	24	Pass
60	5300	18.72	18.57	146.418	21.66	24	Pass
64	5320	18.60	18.58	144.554	21.60	24	Pass
100	5500	17.92	17.69	120.693	20.82	24	Pass
116	5580	18.53	18.63	144.231	21.59	24	Pass
140	5700	17.64	18.03	121.61	20.85	24	Pass
*144 (U-NII-2C)	5720	16.71	17.11	98.286	19.92	24	Pass
*144 (U-NII-3)	5720	8.44	8.86	14.674	11.67	30	Pass
149	5745	21.49	21.98	298.69	24.75	30	Pass
157	5785	22.01	22.16	323.292	25.10	30	Pass
165	5825	21.51	21.91	296.818	24.72	30	Pass

Notes:

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

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.03	18.76	155.146	21.91	24	Pass
40	5200	19.01	18.81	155.649	21.92	24	Pass
48	5240	19.05	18.61	152.963	21.85	24	Pass
52	5260	18.94	18.83	154.727	21.90	24	Pass
60	5300	19.02	18.77	155.135	21.91	24	Pass
64	5320	19.06	18.77	155.873	21.93	24	Pass
100	5500	18.34	18.33	136.311	21.35	24	Pass
116	5580	18.82	18.82	152.416	21.83	24	Pass
140	5700	17.95	18.11	127.088	21.04	24	Pass
*144 (U-NII-2C)	5720	17.07	17.48	106.909	20.29	24	Pass
*144 (U-NII-3)	5720	8.94	9.74	17.253	12.37	30	Pass
149	5745	21.57	22.03	303.137	24.82	30	Pass
157	5785	21.54	21.90	297.442	24.73	30	Pass
165	5825	21.38	22.01	296.259	24.72	30	Pass

Notes:

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

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	16.55	16.49	89.751	19.53	24	Pass
46	5230	20.55	20.61	228.581	23.59	24	Pass
54	5270	20.44	20.84	232.001	23.65	24	Pass
62	5310	16.49	16.57	89.96	19.54	24	Pass
102	5510	15.08	15.28	65.939	18.19	24	Pass
110	5550	20.41	20.72	227.933	23.58	24	Pass
134	5670	18.43	18.45	139.647	21.45	24	Pass
*142 (U-NII-2C)	5710	19.06	19.61	171.949	22.35	24	Pass
*142 (U-NII-3)	5710	6.05	6.54	8.535	9.31	30	Pass
151	5755	20.59	20.97	239.577	23.79	30	Pass
159	5795	20.57	21.05	241.375	23.83	30	Pass

Notes:

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

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.39	15.40	69.268	18.41	24	Pass
58	5290	16.72	16.57	92.384	19.66	24	Pass
106	5530	15.18	15.20	66.074	18.20	24	Pass
122	5610	18.85	19.00	156.169	21.94	24	Pass
*138 (U-NII-2C)	5690	18.50	19.02	150.594	21.78	24	Pass
*138 (U-NII-3)	5690	4.05	4.54	5.385	7.31	30	Pass
155	5775	19.94	20.38	207.772	23.18	30	Pass

Notes:

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

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.03	10.49	21.264	13.28	24	Pass
40	5200	10.47	10.42	22.158	13.46	24	Pass
48	5240	10.10	10.54	21.557	13.34	24	Pass
52	5260	10.23	10.59	21.999	13.42	24	Pass
60	5300	10.45	10.26	21.709	13.37	24	Pass
64	5320	10.22	10.61	22.028	13.43	24	Pass
100	5500	10.51	10.51	22.492	13.52	24	Pass
116	5580	10.80	10.10	22.256	13.47	24	Pass
140	5700	10.19	10.43	21.488	13.32	24	Pass
*144 (U-NII-2C)	5720	-18.98	-17.13	0.03201	-14.95	24	Pass
*144 (U-NII-3)	5720	9.28	10.70	20.221	13.06	30	Pass
149	5745	21.18	21.40	269.258	24.30	30	Pass
157	5785	21.40	21.58	281.918	24.50	30	Pass
165	5825	21.21	21.36	268.902	24.30	30	Pass

Notes:

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

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.65	13.08	38.731	15.88	24	Pass
40	5200	12.58	13.03	38.204	15.82	24	Pass
48	5240	12.64	13.02	38.41	15.84	24	Pass
52	5260	12.61	13.13	38.798	15.89	24	Pass
60	5300	12.65	13.04	38.545	15.86	24	Pass
64	5320	12.61	12.91	37.782	15.77	24	Pass
100	5500	12.48	12.94	37.38	15.73	24	Pass
116	5580	12.87	12.62	37.645	15.76	24	Pass
140	5700	12.56	12.79	37.041	15.69	24	Pass
*144 (U-NII-2C)	5720	-10.55	-8.97	0.21487	-6.68	24	Pass
*144 (U-NII-3)	5720	10.06	11.85	25.45	14.06	30	Pass
149	5745	21.98	21.95	314.436	24.98	30	Pass
157	5785	21.96	22.08	318.472	25.03	30	Pass
165	5825	21.98	22.16	322.198	25.08	30	Pass

Notes:

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

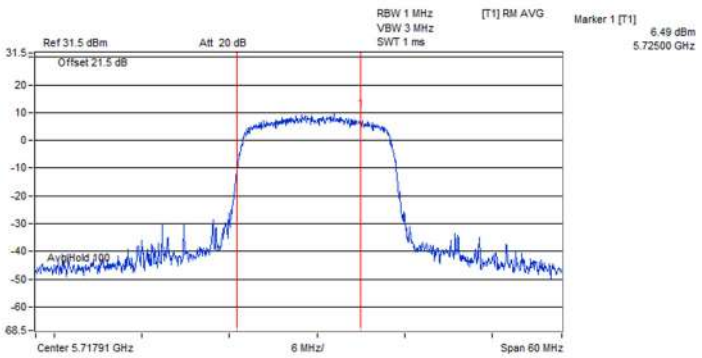
802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.76	15.73	75.081	18.76	24	Pass
40	5200	15.73	15.88	76.137	18.82	24	Pass
48	5240	15.63	15.76	74.23	18.71	24	Pass
52	5260	15.81	15.63	74.666	18.73	24	Pass
60	5300	15.84	15.70	75.524	18.78	24	Pass
64	5320	15.78	15.69	74.912	18.75	24	Pass
100	5500	15.82	15.84	76.565	18.84	24	Pass
116	5580	15.53	15.80	73.746	18.68	24	Pass
140	5700	15.67	15.75	74.482	18.72	24	Pass
*144 (U-NII-2C)	5720	10.64	11.54	25.844	14.12	24	Pass
*144 (U-NII-3)	5720	8.44	9.25	15.396	11.87	30	Pass
149	5745	21.96	21.98	314.797	24.98	30	Pass
157	5785	22.10	22.18	327.377	25.15	30	Pass
165	5825	22.04	22.21	326.297	25.14	30	Pass

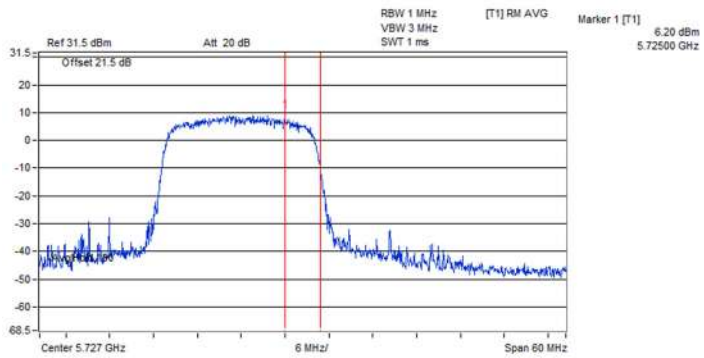
Notes:

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

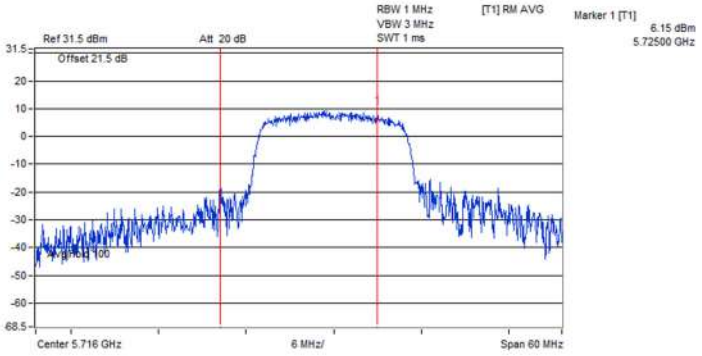
Spectrum Plot for channel straddling



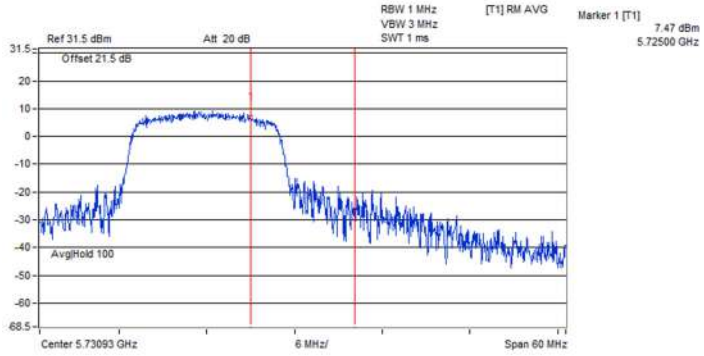
802.11a / Chain 0 : CH 144 (U-NII-2C)



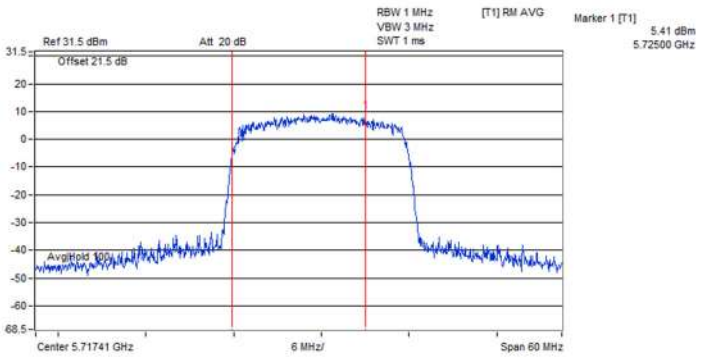
802.11a / Chain 0 : CH 144 (U-NII-3)



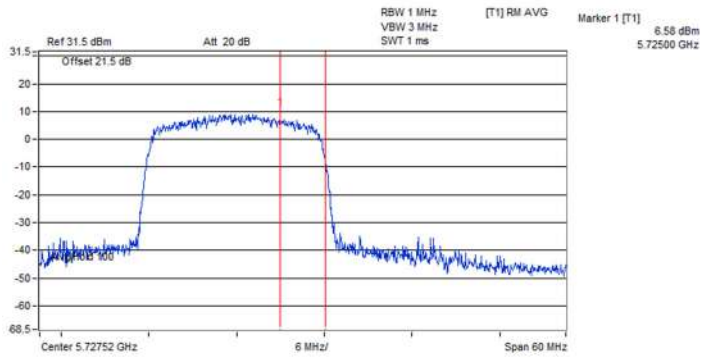
802.11a / Chain 1 : CH 144 (U-NII-2C)



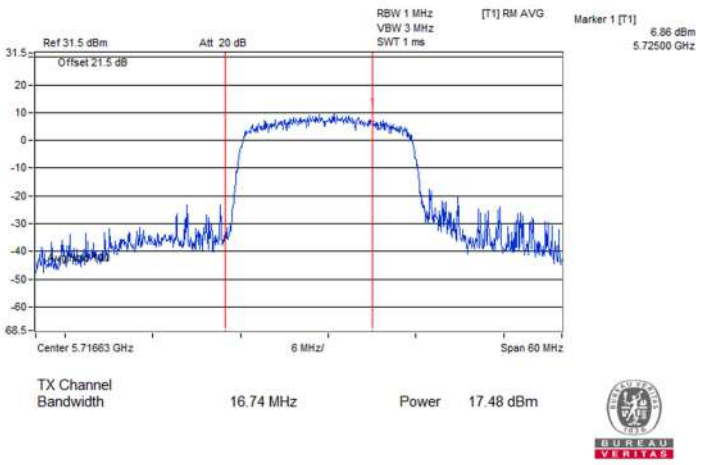
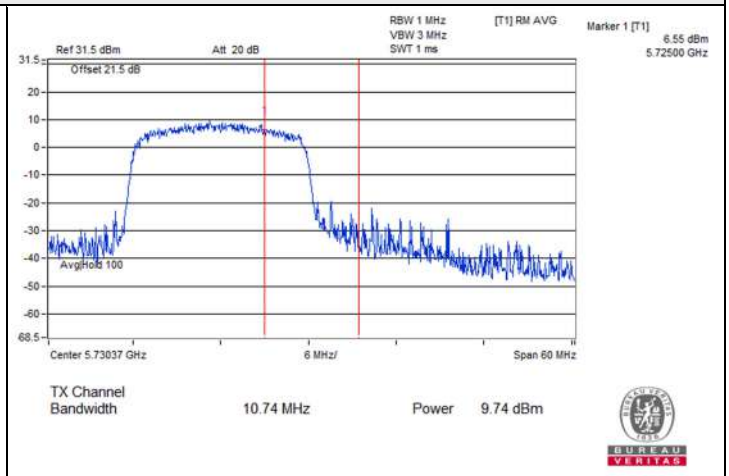
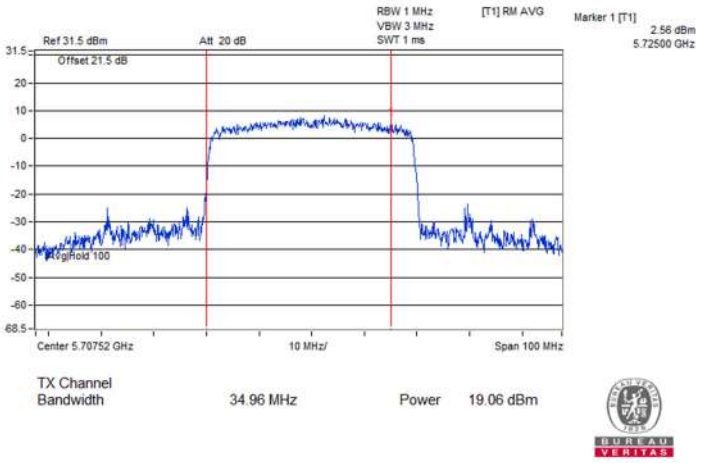
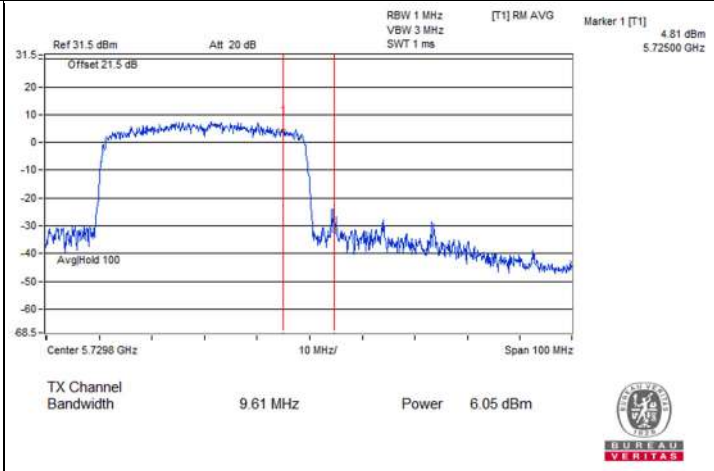
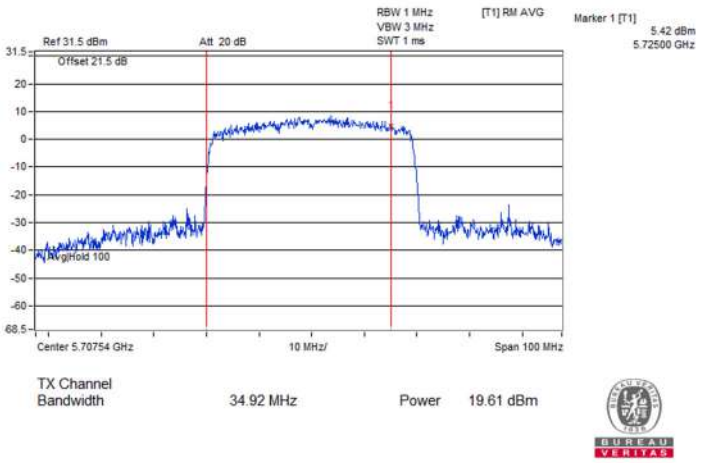
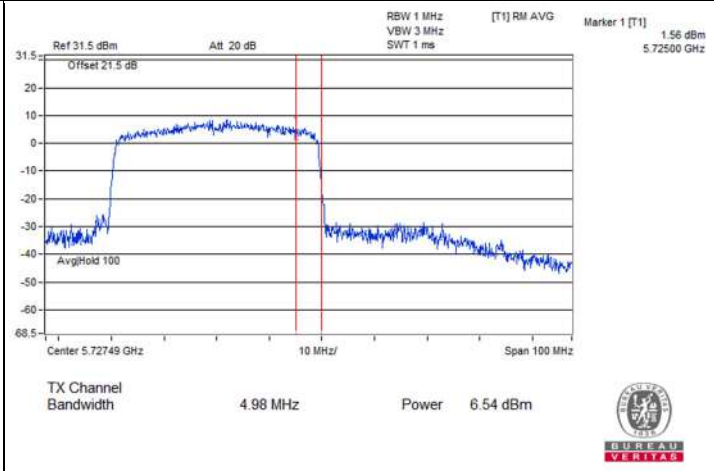
802.11a / Chain 1 : CH 144 (U-NII-3)

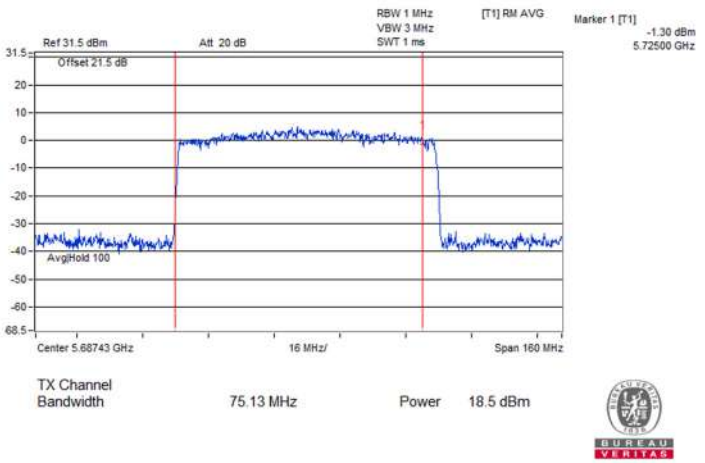
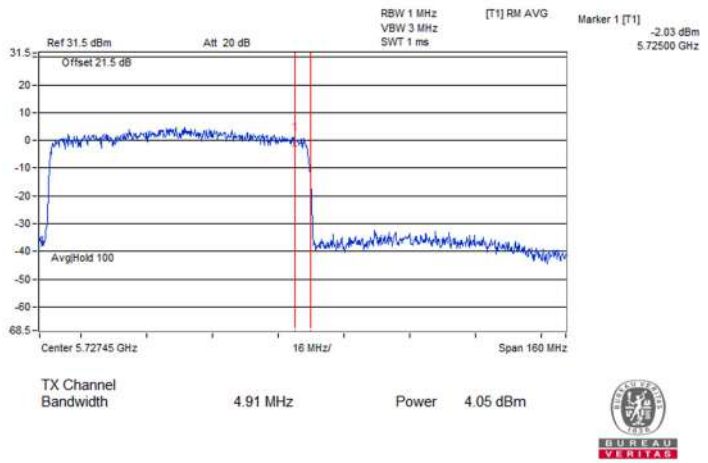
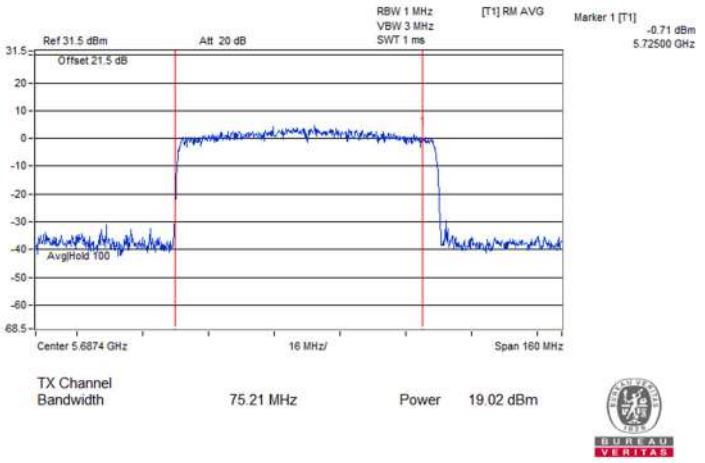
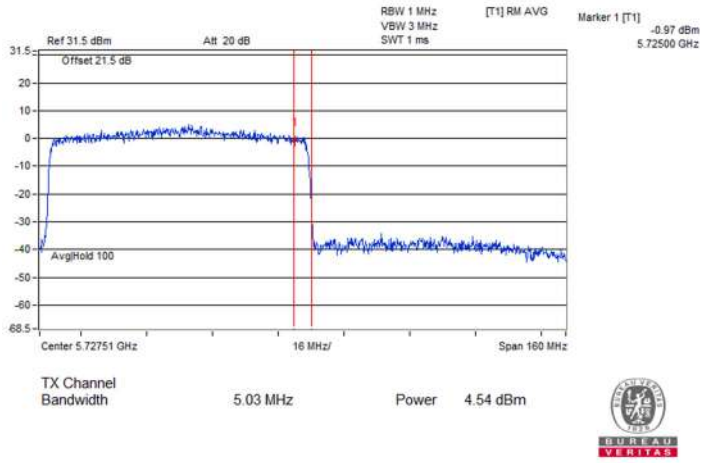
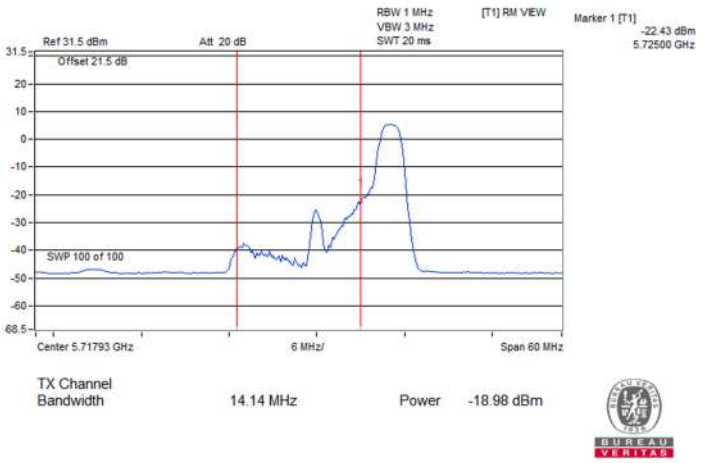
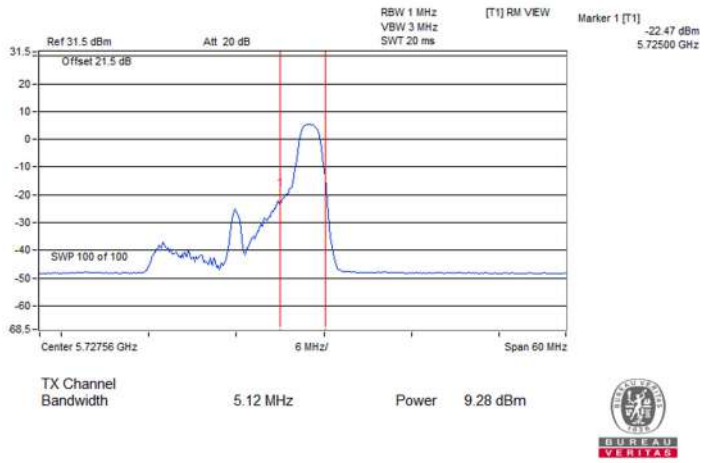


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)

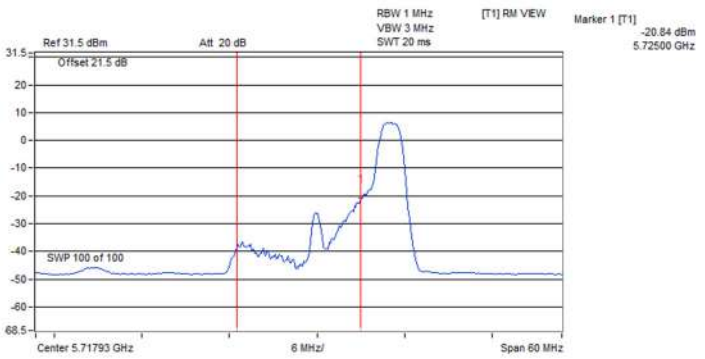


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling	
	
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)	802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)
	
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)	802.11ax (HE40) / Chain 0 : CH 142 (U-NII-3)
	
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)	802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)

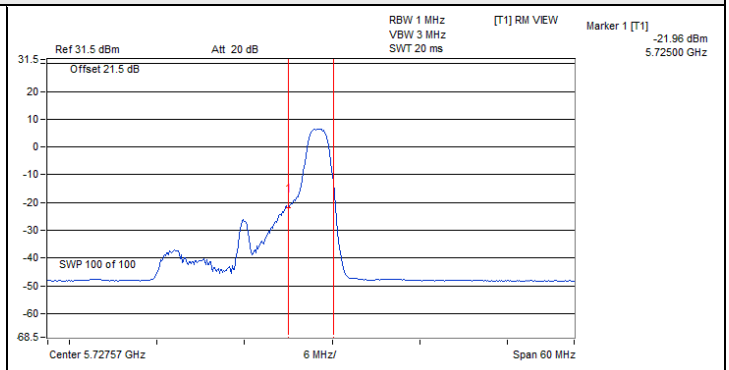
Spectrum Plot for channel straddling	
	
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)	802.11ax (HE80) / Chain 0 : CH 138 (U-NII-3)
	
802.11ax (HE80) / Chain 1 : CH 138 (U-NII-2C)	802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)
	
802.11ax (HE20) 26-tone RU / Chain 0 : CH 144 (U-NII-2C)	802.11ax (HE20) 26-tone RU / Chain 0 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



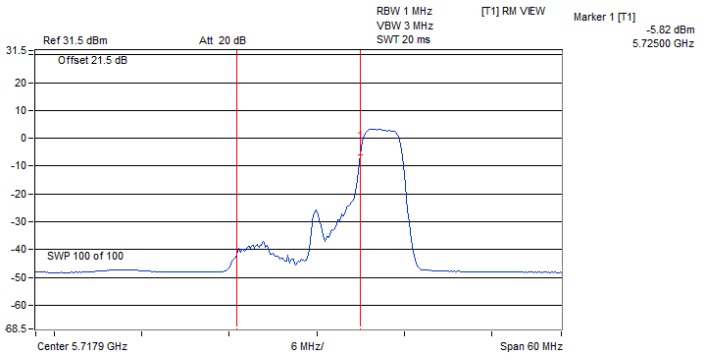
TX Channel Bandwidth 14.15 MHz Power -17.13 dBm

802.11ax (HE20) 26-tone RU / Chain 1 : CH 144 (U-NII-2C)



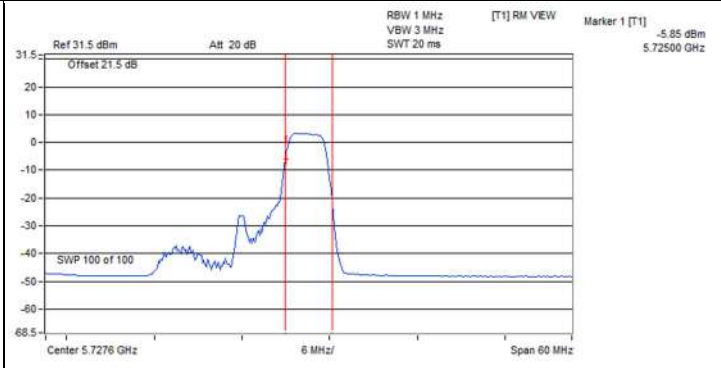
TX Channel Bandwidth 5.13 MHz Power 10.7 dBm

802.11ax (HE20) 26-tone RU / Chain 1 : CH 144 (U-NII-3)



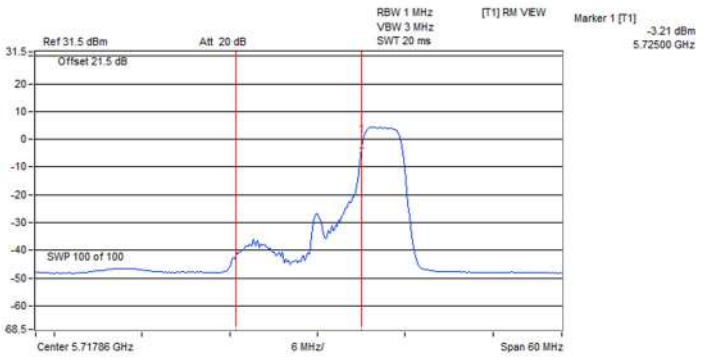
TX Channel Bandwidth 14.2 MHz Power -10.55 dBm

802.11ax (HE20) 52-tone RU / Chain 0 : CH 144 (U-NII-2C)



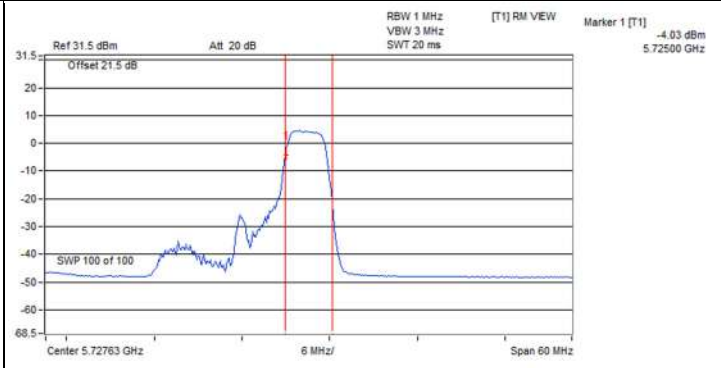
TX Channel Bandwidth 5.2 MHz Power 10.06 dBm

802.11ax (HE20) 52-tone RU / Chain 0 : CH 144 (U-NII-3)



TX Channel Bandwidth 14.29 MHz Power -8.97 dBm

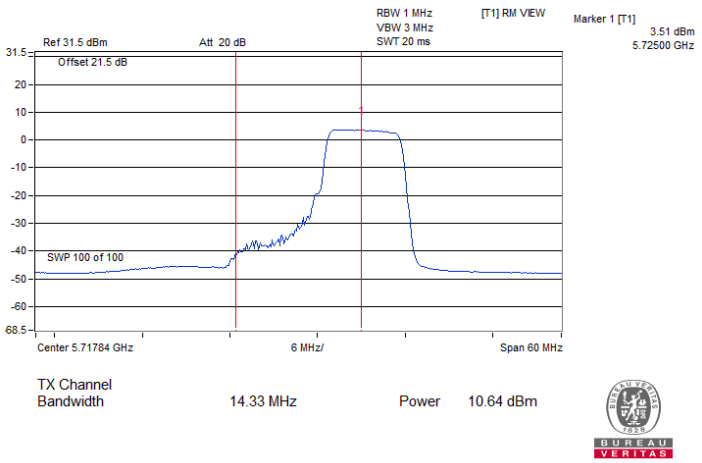
802.11ax (HE20) 52-tone RU / Chain 1 : CH 144 (U-NII-2C)



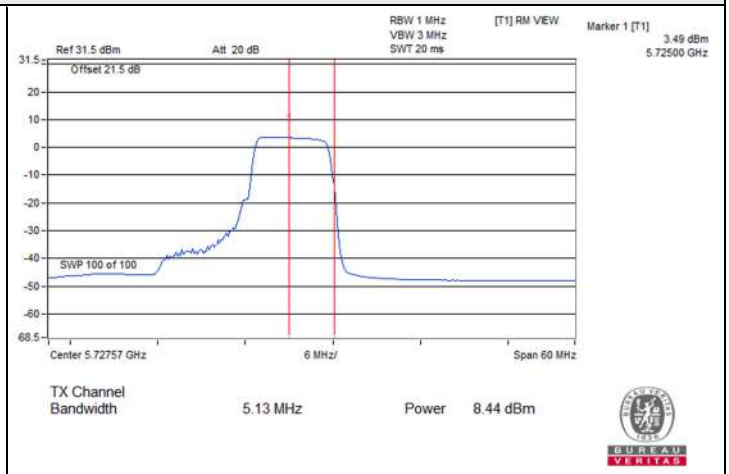
TX Channel Bandwidth 5.26 MHz Power 11.85 dBm

802.11ax (HE20) 52-tone RU / Chain 1 : CH 144 (U-NII-3)

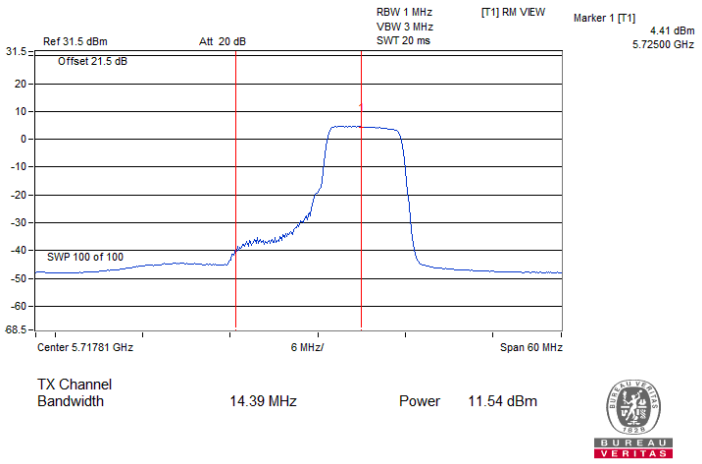
Spectrum Plot for channel straddling



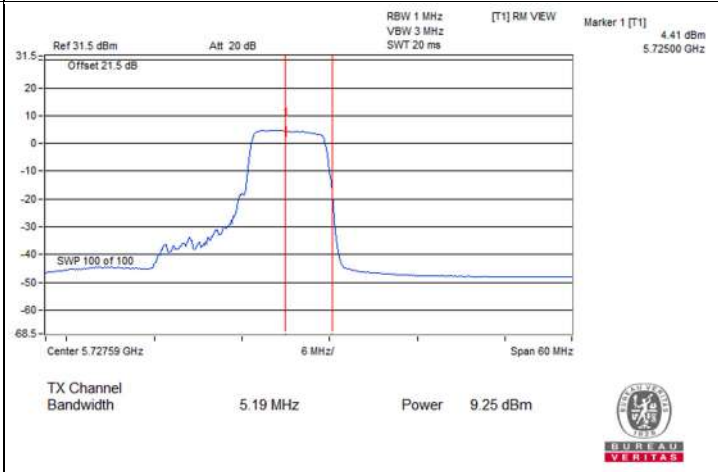
802.11ax (HE20) 106-tone RU / Chain 0 : CH 144 (U-NII-2C)



802.11ax (HE20) 106-tone RU / Chain 0 : CH 144 (U-NII-3)



802.11ax (HE20) 106-tone RU / Chain 1 : CH 144 (U-NII-2C)



802.11ax (HE20) 106-tone RU / Chain 1 : CH 144 (U-NII-3)

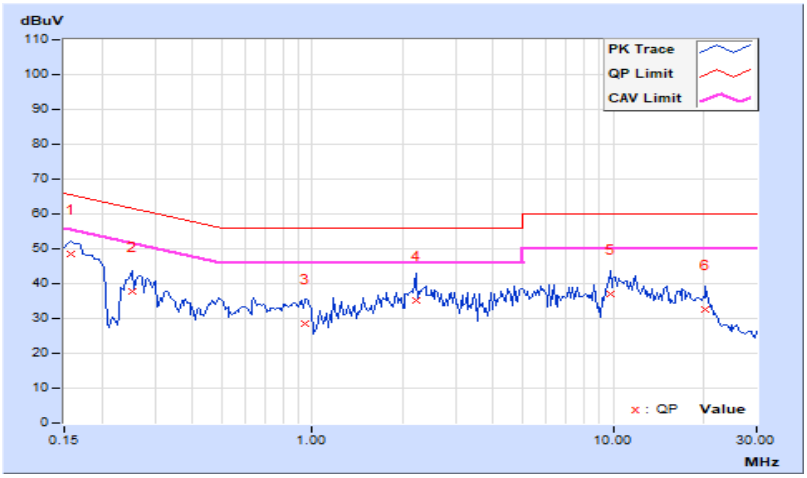
7.2 AC Power Conducted Emissions

RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 71% RH
Tested By	Willy Lin		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15781	9.93	38.48	20.71	48.41	30.64	65.58	55.58	-17.17	-24.94
2	0.25156	9.93	27.85	13.52	37.78	23.45	61.71	51.71	-23.93	-28.26
3	0.95078	9.98	18.58	5.71	28.56	15.69	56.00	46.00	-27.44	-30.31
4	2.20703	10.03	25.27	15.47	35.30	25.50	56.00	46.00	-20.70	-20.50
5	9.80469	10.46	26.44	19.34	36.90	29.80	60.00	50.00	-23.10	-20.20
6	20.30859	11.15	21.56	15.75	32.71	26.90	60.00	50.00	-27.29	-23.10

Remarks:

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

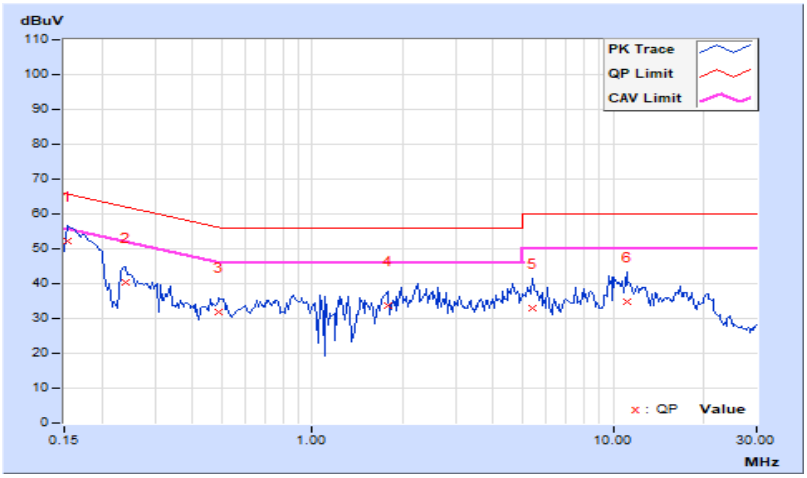


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 71% RH
Tested By	Willy Lin		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	**0.15391**	**9.99**	**42.11**	**23.33**	**52.10**	**33.32**	**65.79**	**55.79**	**-13.69**	**-22.47**
2	0.23984	9.99	30.37	14.84	40.36	24.83	62.10	52.10	-21.74	-27.27
3	0.48984	10.00	21.88	13.22	31.88	23.22	56.17	46.17	-24.29	-22.95
4	1.78516	10.06	23.50	11.12	33.56	21.18	56.00	46.00	-22.44	-24.82
5	5.38672	10.22	22.87	14.96	33.09	25.18	60.00	50.00	-26.91	-24.82
6	11.10547	10.47	24.34	17.95	34.81	28.42	60.00	50.00	-25.19	-21.58

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



7.3 Unwanted Emissions below 1 GHz

Mode A

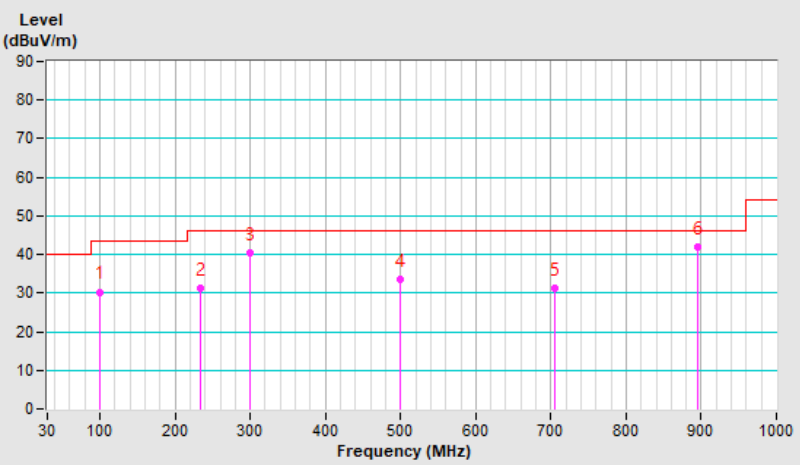
1TX

RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 67% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	99.77	30.3 QP	43.5	-13.2	3.00 H	277	52.5	-22.2
2	232.78	31.3 QP	46.0	-14.7	1.00 H	61	51.3	-20.0
3	299.32	40.4 QP	46.0	-5.6	1.00 H	93	57.5	-17.1
4	498.87	33.6 QP	46.0	-12.4	2.00 H	342	45.9	-12.3
5	704.25	31.4 QP	46.0	-14.6	3.00 H	101	39.7	-8.3
6	**896.19**	**42.0 QP**	**46.0**	**-4.0**	**1.00 H**	**275**	**47.7**	**-5.7**

Remarks:

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

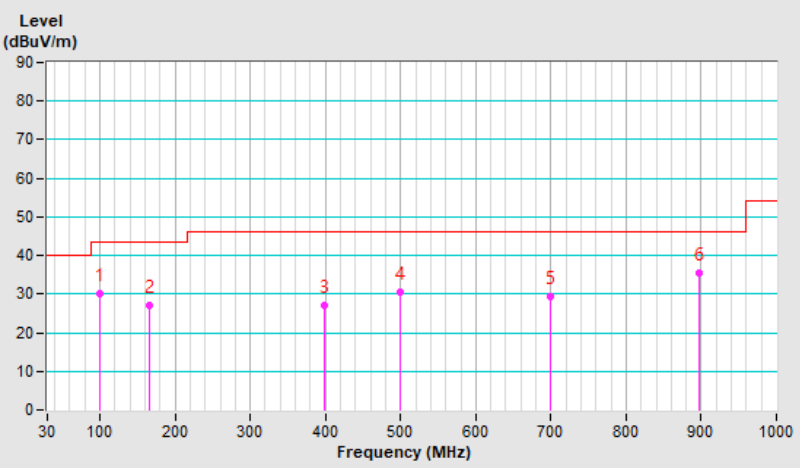


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21°C, 67% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.79	30.1 QP	43.5	-13.4	1.00 V	356	52.3	-22.2
2	165.99	27.2 QP	43.5	-16.3	1.00 V	82	44.9	-17.7
3	398.33	27.0 QP	46.0	-19.0	1.00 V	192	41.5	-14.5
4	498.90	30.5 QP	46.0	-15.5	1.00 V	108	42.8	-12.3
5	698.45	29.3 QP	46.0	-16.7	1.00 V	292	37.6	-8.3
6	897.98	35.4 QP	46.0	-10.6	1.00 V	278	41.2	-5.8

Remarks:

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



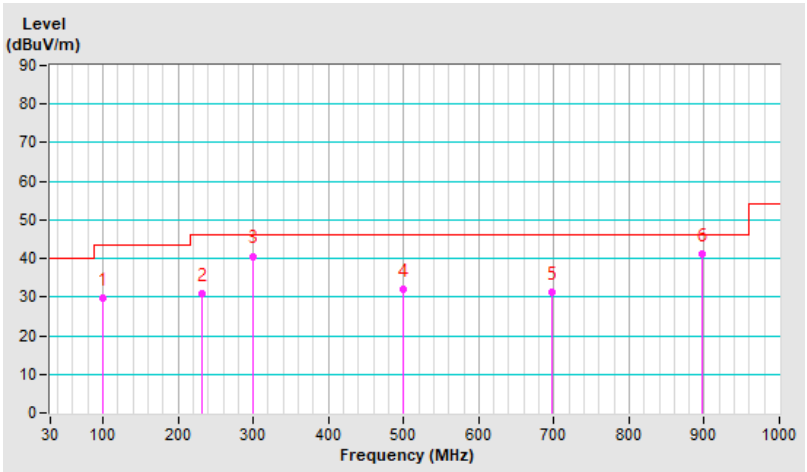
2TX

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	21°C, 67% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.77	29.7 QP	43.5	-13.8	3.00 H	64	51.9	-22.2
2	232.39	31.0 QP	46.0	-15.0	1.00 H	70	51.1	-20.1
3	298.74	40.6 QP	46.0	-5.4	1.00 H	99	57.7	-17.1
4	498.85	32.1 QP	46.0	-13.9	2.00 H	314	44.4	-12.3
5	697.02	31.4 QP	46.0	-14.6	1.00 H	176	39.8	-8.4
6	898.00	41.3 QP	46.0	-4.7	1.00 H	281	47.1	-5.8

Remarks:

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

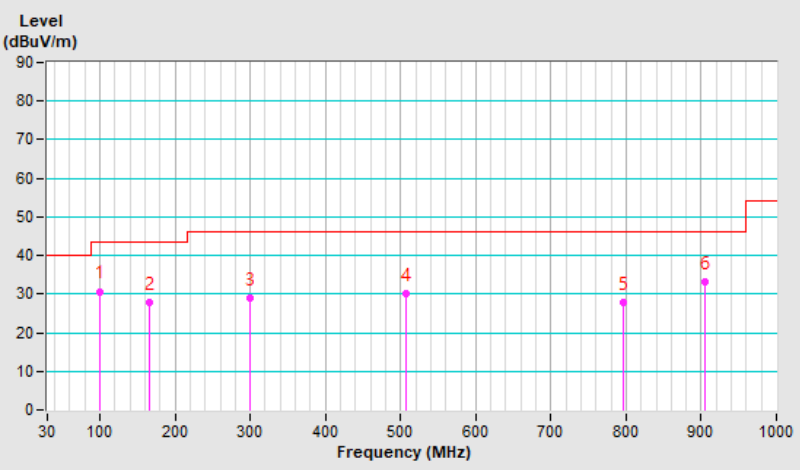


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 67% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	99.69	30.7 QP	43.5	-12.8	1.00 V	275	52.9	-22.2
2	166.24	27.7 QP	43.5	-15.8	1.00 V	60	45.4	-17.7
3	298.76	28.8 QP	46.0	-17.2	2.00 V	194	45.9	-17.1
4	506.97	30.0 QP	46.0	-16.0	1.00 V	196	42.0	-12.0
5	796.62	27.9 QP	46.0	-18.1	2.00 V	0	34.7	-6.8
6	904.04	33.2 QP	46.0	-12.8	1.00 V	360	38.8	-5.6

Remarks:

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

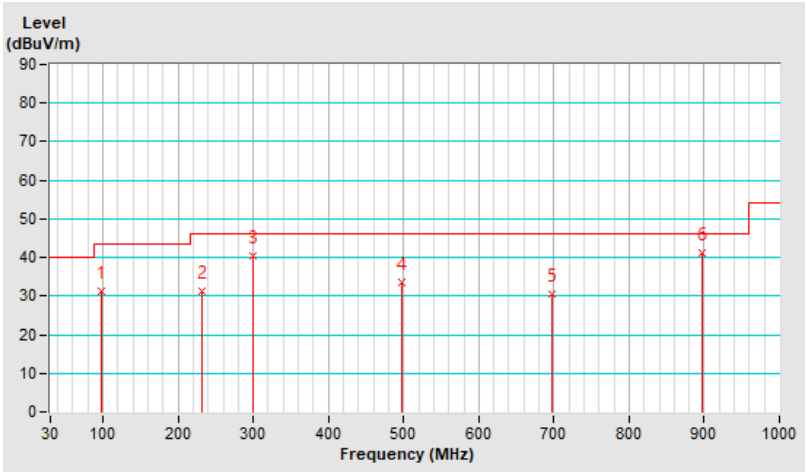
1TX

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	98.80	31.3 QP	43.5	-12.2	1.00 H	269	53.7	-22.4
2	232.00	31.2 QP	46.0	-14.8	1.00 H	274	51.3	-20.1
3	299.30	40.3 QP	46.0	-5.7	2.00 H	360	57.4	-17.1
4	496.80	33.5 QP	46.0	-12.5	1.50 H	187	45.8	-12.3
5	697.80	30.6 QP	46.0	-15.4	1.00 H	286	38.9	-8.3
6	896.40	41.2 QP	46.0	-4.8	1.00 H	272	47.0	-5.8

Remarks:

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

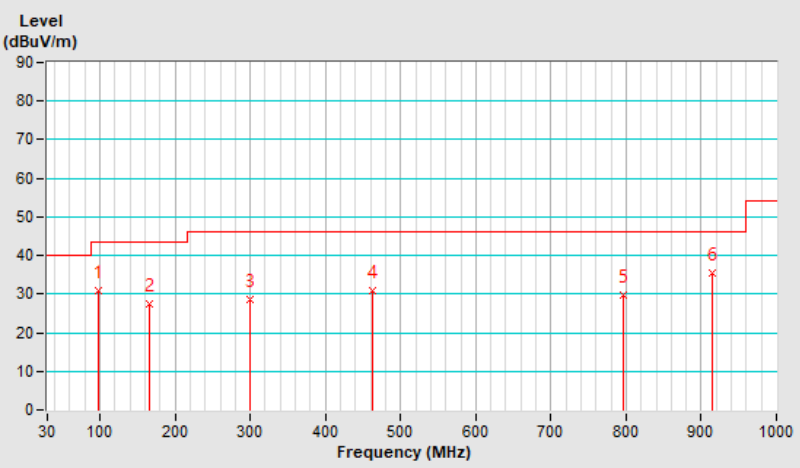


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	98.40	30.7 QP	43.5	-12.8	2.00 V	16	53.2	-22.5
2	165.70	27.3 QP	43.5	-16.2	1.00 V	33	45.0	-17.7
3	300.40	28.7 QP	46.0	-17.3	1.50 V	160	45.7	-17.0
4	462.00	30.7 QP	46.0	-15.3	2.00 V	197	43.6	-12.9
5	796.00	29.6 QP	46.0	-16.4	1.00 V	54	36.4	-6.8
6	914.30	35.6 QP	46.0	-10.4	1.50 V	194	41.1	-5.5

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 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.



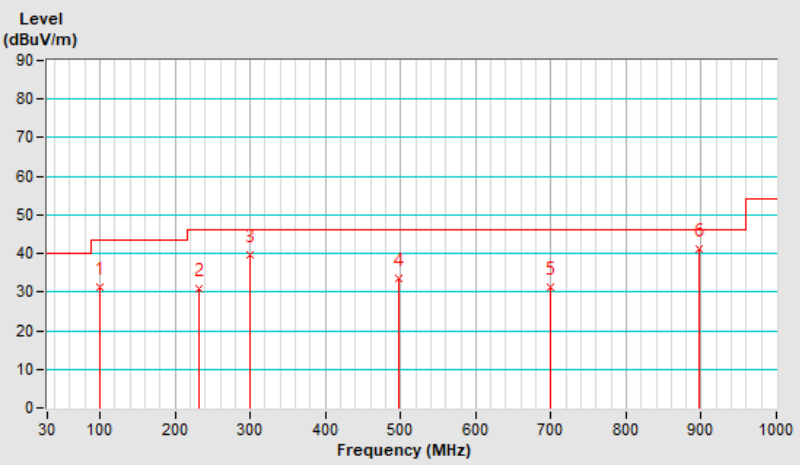
2TX

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.10	31.4 QP	43.5	-12.1	1.00 H	270	53.8	-22.4
2	232.30	30.9 QP	46.0	-15.1	2.00 H	268	51.0	-20.1
3	299.00	39.6 QP	46.0	-6.4	1.50 H	351	56.7	-17.1
4	497.20	33.7 QP	46.0	-12.3	1.50 H	155	46.0	-12.3
5	698.80	31.1 QP	46.0	-14.9	1.00 H	277	39.4	-8.3
6	896.70	41.1 QP	46.0	-4.9	3.00 H	291	46.9	-5.8

Remarks:

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

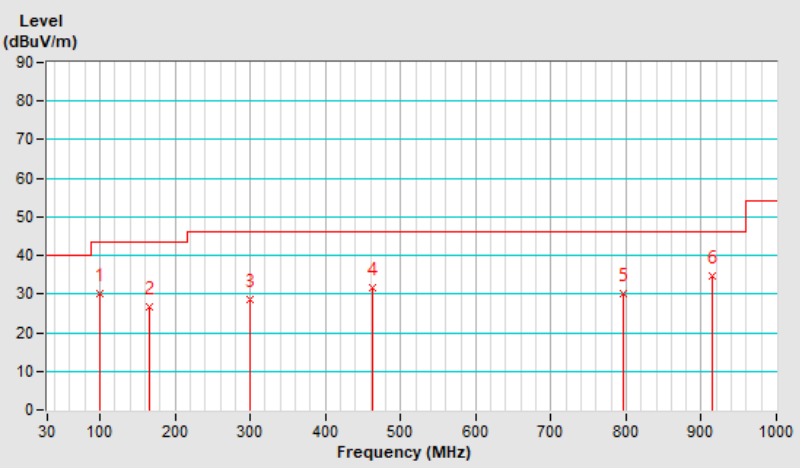


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.20	30.2 QP	43.5	-13.3	1.00 V	27	52.5	-22.3
2	165.10	26.8 QP	43.5	-16.7	1.00 V	49	44.5	-17.7
3	299.50	28.6 QP	46.0	-17.4	2.00 V	144	45.7	-17.1
4	463.00	31.5 QP	46.0	-14.5	3.00 V	165	44.3	-12.8
5	796.60	30.0 QP	46.0	-16.0	2.00 V	74	36.8	-6.8
6	913.90	34.7 QP	46.0	-11.3	1.50 V	199	40.2	-5.5

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 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 C

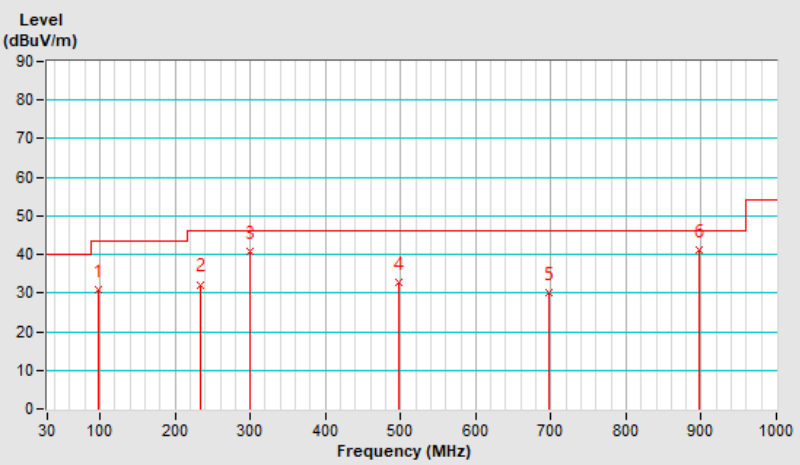
1TX

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	98.30	30.9 QP	43.5	-12.6	1.00 H	270	53.4	-22.5
2	233.20	32.2 QP	46.0	-13.8	1.00 H	276	52.2	-20.0
3	300.30	40.9 QP	46.0	-5.1	1.50 H	360	57.9	-17.0
4	496.60	32.9 QP	46.0	-13.1	1.50 H	159	45.2	-12.3
5	697.30	30.2 QP	46.0	-15.8	1.00 H	274	38.6	-8.4
6	896.40	41.2 QP	46.0	-4.8	2.00 H	272	47.0	-5.8

Remarks:

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

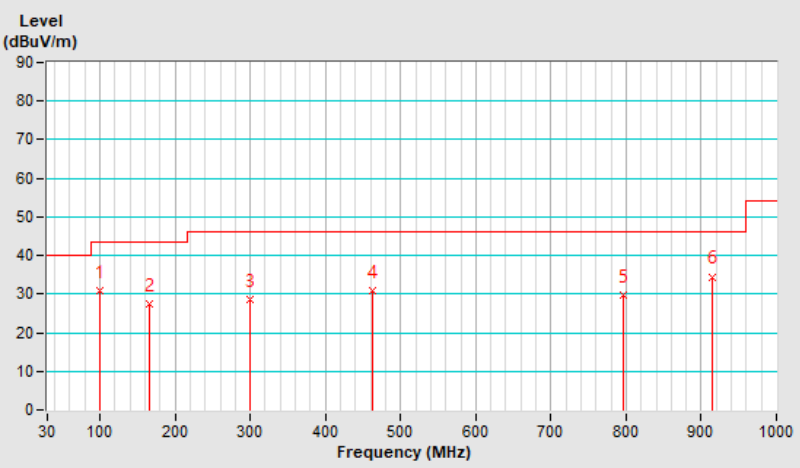


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.30	30.7 QP	43.5	-12.8	1.00 V	23	53.0	-22.3
2	165.00	27.3 QP	43.5	-16.2	1.50 V	45	45.0	-17.7
3	300.40	28.7 QP	46.0	-17.3	1.50 V	177	45.7	-17.0
4	462.60	30.9 QP	46.0	-15.1	2.00 V	206	43.8	-12.9
5	796.30	29.8 QP	46.0	-16.2	1.00 V	41	36.6	-6.8
6	914.40	34.5 QP	46.0	-11.5	1.00 V	180	40.0	-5.5

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 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.



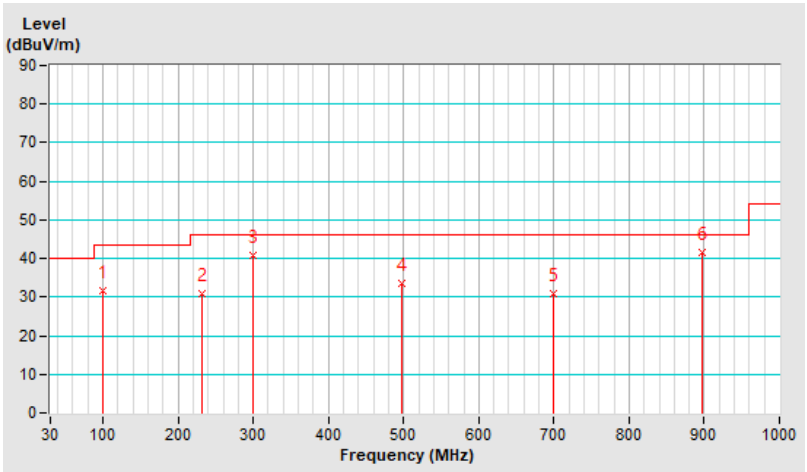
2TX

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.60	31.6 QP	43.5	-11.9	2.00 H	283	53.9	-22.3
2	231.70	30.7 QP	46.0	-15.3	2.00 H	279	50.8	-20.1
3	299.90	40.7 QP	46.0	-5.3	1.50 H	360	57.8	-17.1
4	497.00	33.4 QP	46.0	-12.6	3.00 H	158	45.7	-12.3
5	698.70	30.9 QP	46.0	-15.1	1.00 H	272	39.2	-8.3
6	897.00	41.5 QP	46.0	-4.5	1.00 H	283	47.3	-5.8

Remarks:

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

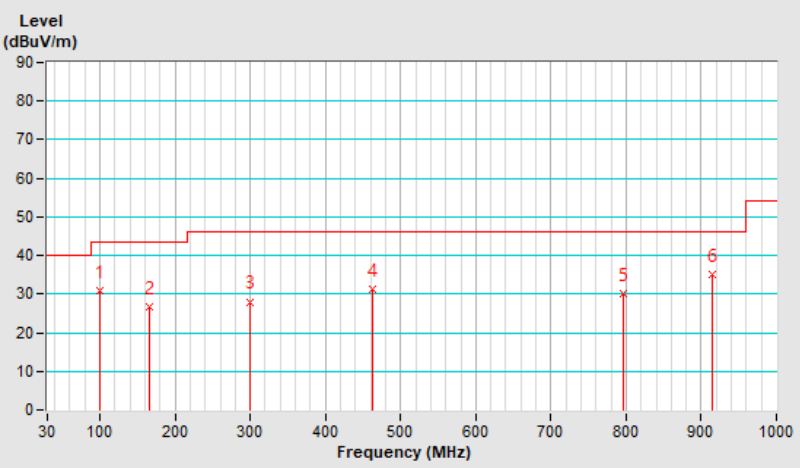


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	20°C, 66% RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	99.50	30.8 QP	43.5	-12.7	1.00 V	40	53.1	-22.3
2	165.30	26.8 QP	43.5	-16.7	1.00 V	59	44.5	-17.7
3	299.00	28.0 QP	46.0	-18.0	1.00 V	153	45.1	-17.1
4	462.30	31.3 QP	46.0	-14.7	1.50 V	179	44.2	-12.9
5	796.40	30.2 QP	46.0	-15.8	1.50 V	61	37.0	-6.8
6	913.90	35.1 QP	46.0	-10.9	2.00 V	197	40.6	-5.5

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 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.



7.4 Unwanted Emissions above 1 GHz

Mode A

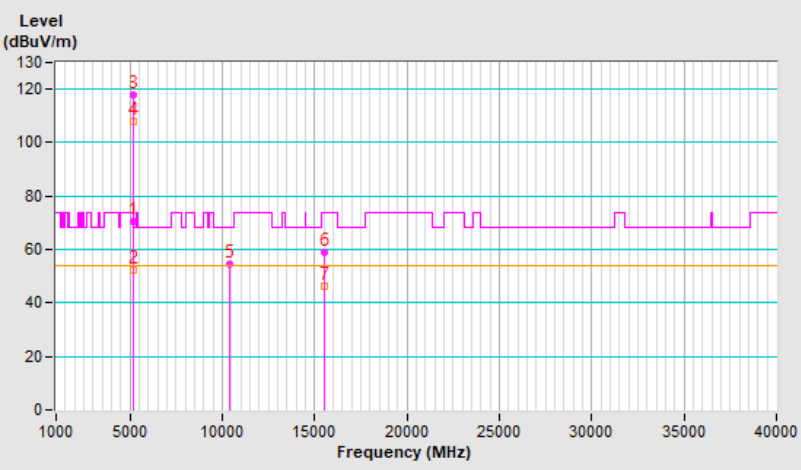
2TX

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=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.5 PK	74.0	-3.5	2.11 H	130	67.8	2.7
2	5150.00	52.2 AV	54.0	-1.8	2.11 H	130	49.5	2.7
3	*5180.00	117.9 PK			2.11 H	130	115.5	2.4
4	*5180.00	107.9 AV			2.11 H	130	105.5	2.4
5	#10360.00	54.6 PK	68.2	-13.6	1.15 H	358	42.4	12.2
6	15540.00	58.9 PK	74.0	-15.1	1.51 H	298	46.7	12.2
7	15540.00	46.1 AV	54.0	-7.9	1.51 H	298	33.9	12.2

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.

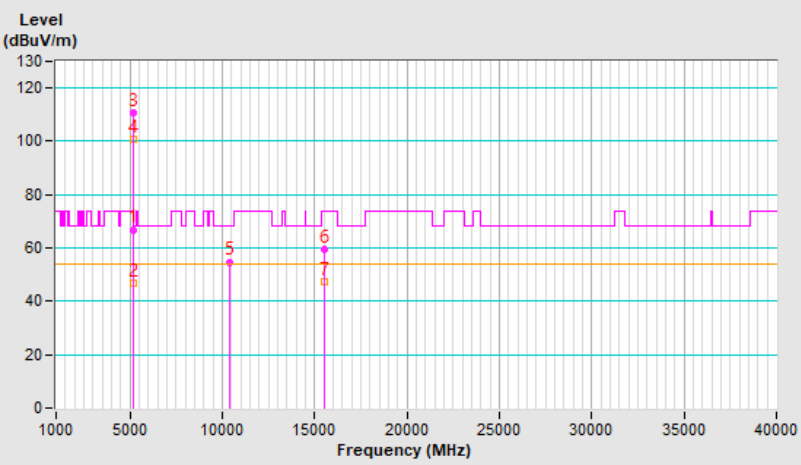


RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	66.9 PK	74.0	-7.1	1.26 V	141	64.2	2.7
2	5150.00	46.8 AV	54.0	-7.2	1.26 V	141	44.1	2.7
3	*5180.00	110.9 PK			1.26 V	141	108.5	2.4
4	*5180.00	101.0 AV			1.26 V	141	98.6	2.4
5	#10360.00	54.8 PK	68.2	-13.4	2.22 V	185	42.6	12.2
6	15540.00	59.5 PK	74.0	-14.5	1.57 V	295	47.3	12.2
7	15540.00	47.5 AV	54.0	-6.5	1.57 V	295	35.3	12.2

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.

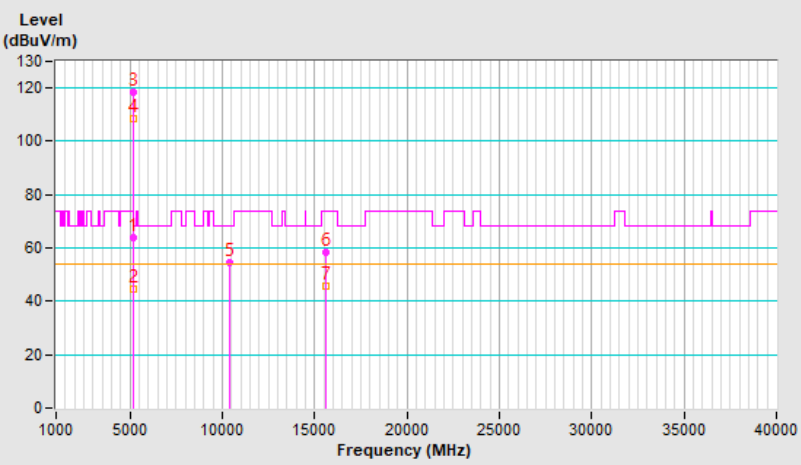


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	2.17 H	134	61.3	2.7
2	5150.00	44.7 AV	54.0	-9.3	2.17 H	134	42.0	2.7
3	*5200.00	118.5 PK			2.17 H	134	116.3	2.2
4	*5200.00	108.4 AV			2.17 H	134	106.2	2.2
5	#10400.00	54.4 PK	68.2	-13.8	1.09 H	360	41.9	12.5
6	15600.00	58.5 PK	74.0	-15.5	1.54 H	303	46.3	12.2
7	15600.00	45.9 AV	54.0	-8.1	1.54 H	303	33.7	12.2

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.

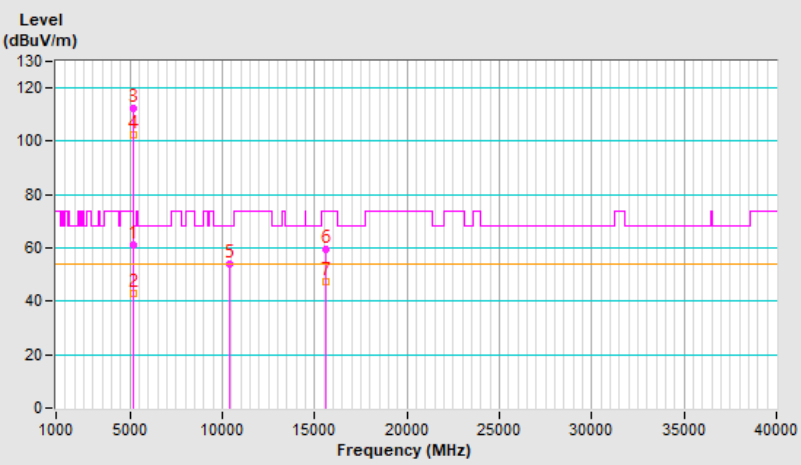


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.0 PK	74.0	-13.0	1.26 V	138	58.3	2.7
2	5150.00	43.0 AV	54.0	-11.0	1.26 V	138	40.3	2.7
3	*5200.00	112.1 PK			1.26 V	138	109.9	2.2
4	*5200.00	102.2 AV			1.26 V	138	100.0	2.2
5	#10400.00	54.0 PK	68.2	-14.2	2.26 V	179	41.5	12.5
6	15600.00	59.3 PK	74.0	-14.7	1.60 V	282	47.1	12.2
7	15600.00	47.4 AV	54.0	-6.6	1.60 V	282	35.2	12.2

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.

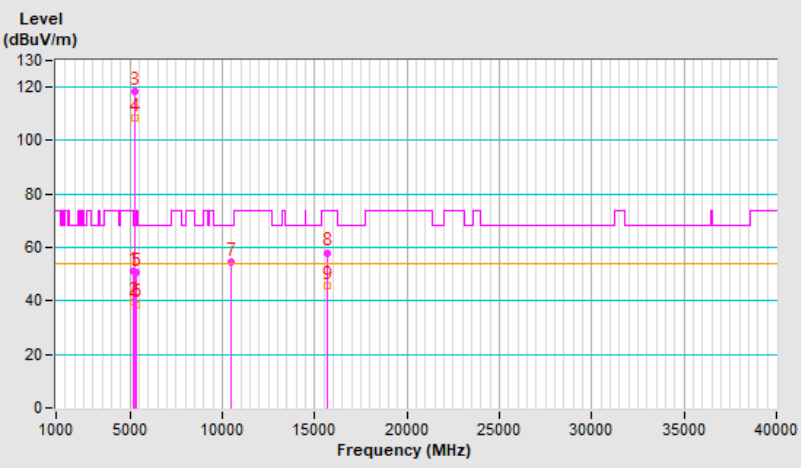


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.0 PK	74.0	-23.0	2.15 H	128	48.3	2.7
2	5150.00	39.5 AV	54.0	-14.5	2.15 H	128	36.8	2.7
3	*5240.00	118.6 PK			2.15 H	128	116.6	2.0
4	*5240.00	108.5 AV			2.15 H	128	106.5	2.0
5	5350.00	50.8 PK	74.0	-23.2	2.15 H	128	48.6	2.2
6	5350.00	38.8 AV	54.0	-15.2	2.15 H	128	36.6	2.2
7	#10480.00	54.4 PK	68.2	-13.8	1.14 H	354	42.2	12.2
8	15720.00	58.1 PK	74.0	-15.9	1.51 H	303	46.4	11.7
9	15720.00	45.5 AV	54.0	-8.5	1.51 H	303	33.8	11.7

Remarks:

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

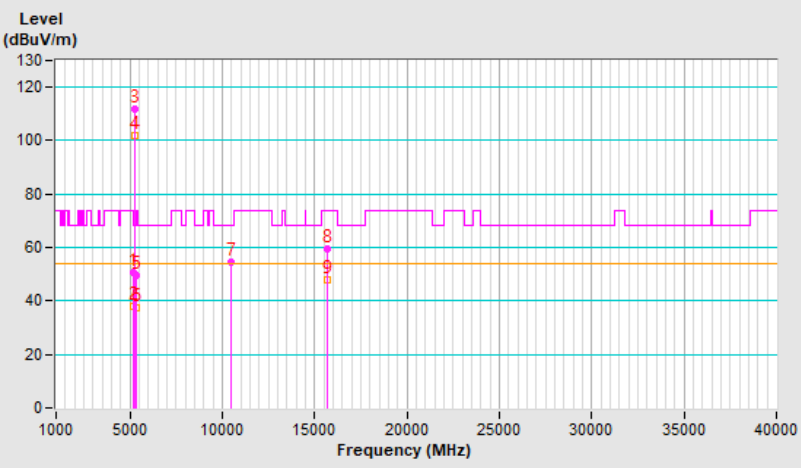


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	50.5 PK	74.0	-23.5	1.24 V	133	47.8	2.7
2	5150.00	37.9 AV	54.0	-16.1	1.24 V	133	35.2	2.7
3	*5240.00	112.0 PK			1.24 V	133	110.0	2.0
4	*5240.00	101.9 AV			1.24 V	133	99.9	2.0
5	5350.00	49.5 PK	74.0	-24.5	1.24 V	133	47.3	2.2
6	5350.00	37.5 AV	54.0	-16.5	1.24 V	133	35.3	2.2
7	#10480.00	54.5 PK	68.2	-13.7	2.23 V	175	42.3	12.2
8	15720.00	59.7 PK	74.0	-14.3	1.60 V	281	48.0	11.7
9	15720.00	47.7 AV	54.0	-6.3	1.60 V	281	36.0	11.7

Remarks:

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

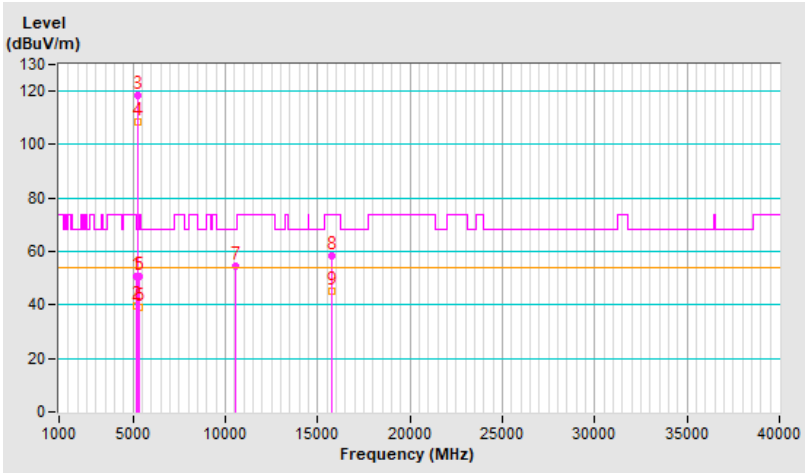


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	50.7 PK	74.0	-23.3	2.14 H	139	48.0	2.7
2	5150.00	39.5 AV	54.0	-14.5	2.14 H	139	36.8	2.7
3	*5260.00	118.4 PK			2.14 H	139	116.5	1.9
4	*5260.00	108.4 AV			2.14 H	139	106.5	1.9
5	5350.00	50.7 PK	74.0	-23.3	2.14 H	139	48.5	2.2
6	5350.00	39.2 AV	54.0	-14.8	2.14 H	139	37.0	2.2
7	#10520.00	54.3 PK	68.2	-13.9	1.18 H	358	42.2	12.1
8	15780.00	58.2 PK	74.0	-15.8	1.48 H	299	46.6	11.6
9	15780.00	45.4 AV	54.0	-8.6	1.48 H	299	33.8	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.

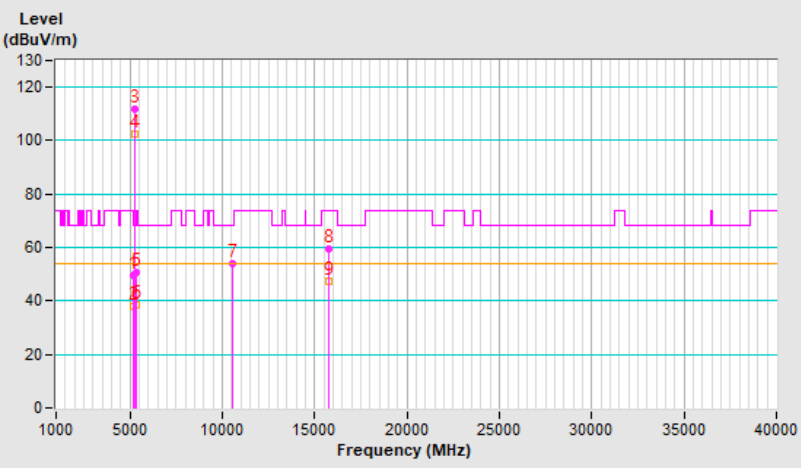


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	49.6 PK	74.0	-24.4	1.23 V	143	46.9	2.7
2	5150.00	38.0 AV	54.0	-16.0	1.23 V	143	35.3	2.7
3	*5260.00	111.9 PK			1.23 V	143	110.0	1.9
4	*5260.00	102.3 AV			1.23 V	143	100.4	1.9
5	5350.00	50.6 PK	74.0	-23.4	1.23 V	143	48.4	2.2
6	5350.00	38.7 AV	54.0	-15.3	1.23 V	143	36.5	2.2
7	#10520.00	54.2 PK	68.2	-14.0	2.30 V	170	42.1	12.1
8	15780.00	59.3 PK	74.0	-14.7	1.62 V	274	47.7	11.6
9	15780.00	47.5 AV	54.0	-6.5	1.62 V	274	35.9	11.6

Remarks:

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

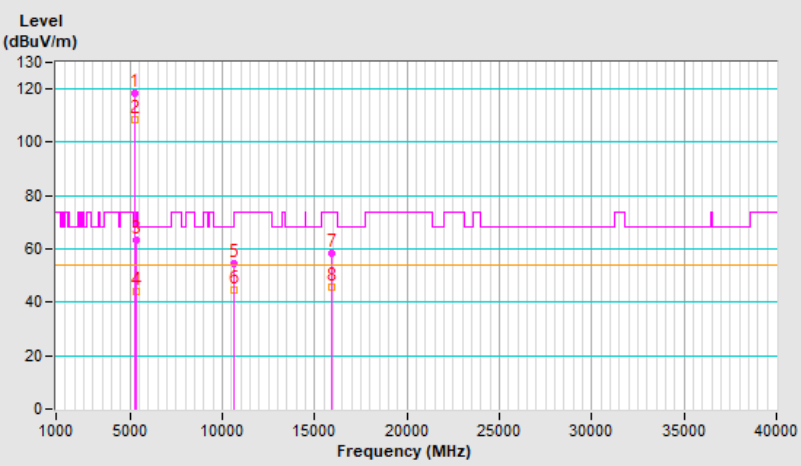


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	118.5 PK			2.07 H	119	116.7	1.8
2	*5300.00	108.4 AV			2.07 H	119	106.6	1.8
3	5350.00	63.4 PK	74.0	-10.6	2.07 H	119	61.2	2.2
4	5350.00	44.3 AV	54.0	-9.7	2.07 H	119	42.1	2.2
5	10600.00	54.4 PK	74.0	-19.6	1.15 H	353	42.1	12.3
6	10600.00	44.6 AV	54.0	-9.4	1.15 H	353	32.3	12.3
7	15900.00	58.5 PK	74.0	-15.5	1.55 H	284	47.3	11.2
8	15900.00	45.9 AV	54.0	-8.1	1.55 H	284	34.7	11.2

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.

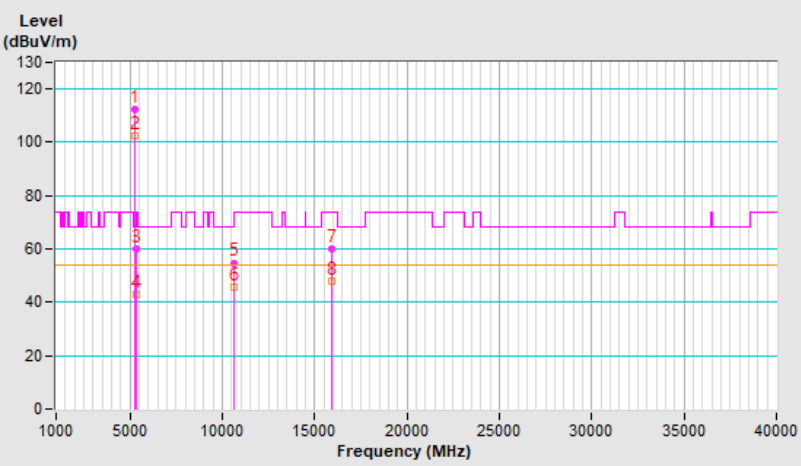


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	112.3 PK			1.32 V	147	110.5	1.8
2	*5300.00	102.5 AV			1.32 V	147	100.7	1.8
3	5350.00	60.2 PK	74.0	-13.8	1.32 V	147	58.0	2.2
4	5350.00	42.7 AV	54.0	-11.3	1.32 V	147	40.5	2.2
5	10600.00	54.8 PK	74.0	-19.2	2.21 V	164	42.5	12.3
6	10600.00	45.7 AV	54.0	-8.3	2.21 V	164	33.4	12.3
7	15900.00	59.9 PK	74.0	-14.1	1.57 V	293	48.7	11.2
8	15900.00	47.7 AV	54.0	-6.3	1.57 V	293	36.5	11.2

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.

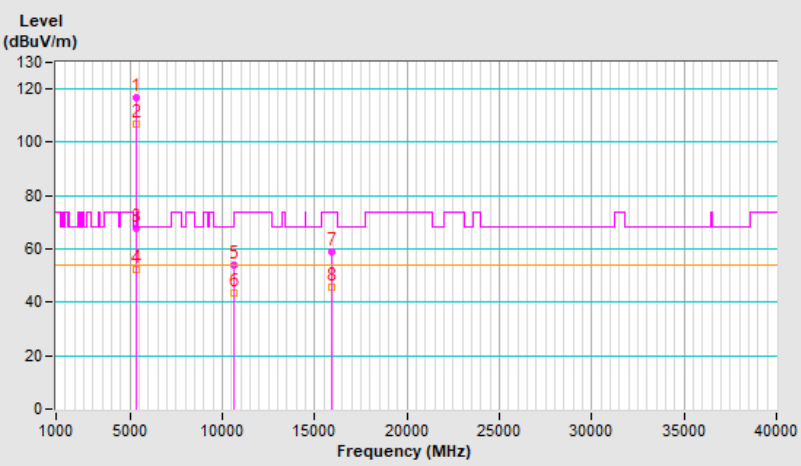


RF Mode	802.11a	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	116.6 PK			2.15 H	139	114.6	2.0
2	*5320.00	107.0 AV			2.15 H	139	105.0	2.0
3	5350.00	67.9 PK	74.0	-6.1	2.15 H	139	65.7	2.2
4	**5350.00**	**52.3 AV**	**54.0**	**-1.7**	**2.15 H**	**139**	**50.1**	**2.2**
5	10640.00	53.8 PK	74.0	-20.2	1.19 H	357	41.5	12.3
6	10640.00	43.7 AV	54.0	-10.3	1.19 H	357	31.4	12.3
7	15960.00	58.9 PK	74.0	-15.1	1.50 H	306	47.4	11.5
8	15960.00	45.9 AV	54.0	-8.1	1.50 H	306	34.4	11.5

Remarks:

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

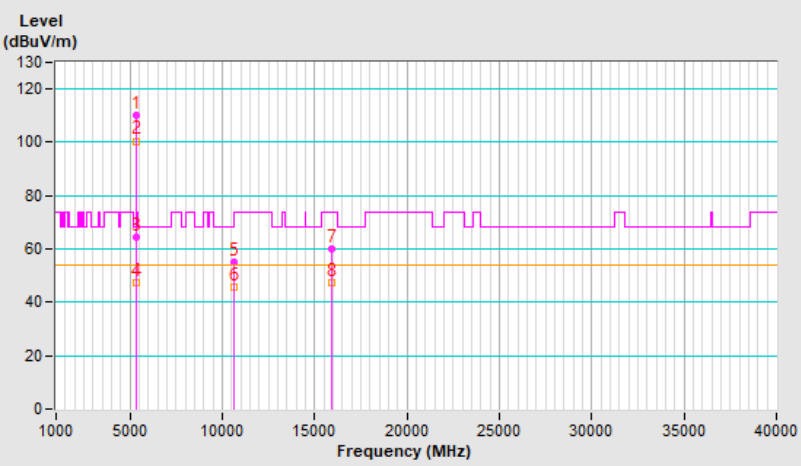


RF Mode	802.11a	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	110.3 PK			1.48 V	116	108.3	2.0
2	*5320.00	100.5 AV			1.48 V	116	98.5	2.0
3	5350.00	64.5 PK	74.0	-9.5	1.48 V	116	62.3	2.2
4	5350.00	47.4 AV	54.0	-6.6	1.48 V	116	45.2	2.2
5	10640.00	55.0 PK	74.0	-19.0	2.31 V	164	42.7	12.3
6	10640.00	45.8 AV	54.0	-8.2	2.31 V	164	33.5	12.3
7	15960.00	60.0 PK	74.0	-14.0	1.58 V	287	48.5	11.5
8	15960.00	47.5 AV	54.0	-6.5	1.58 V	287	36.0	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.

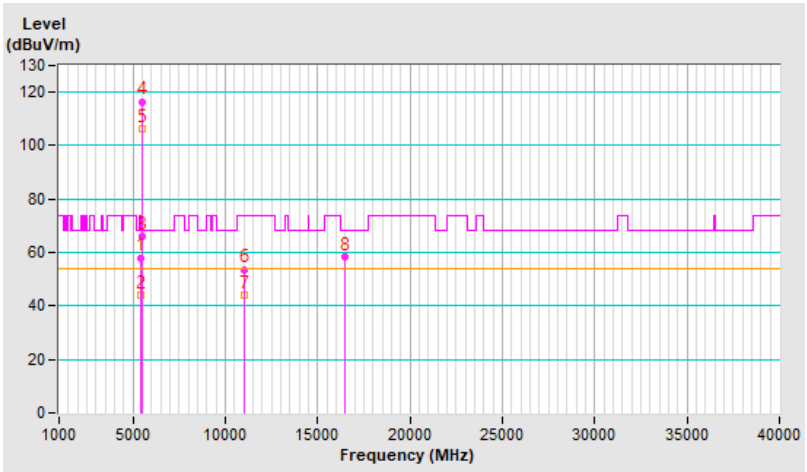


RF Mode	802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	2.16 H	126	55.8	2.3
2	5460.00	44.2 AV	54.0	-9.8	2.16 H	126	41.9	2.3
3	#5470.00	66.2 PK	68.2	-2.0	2.16 H	126	63.9	2.3
4	*5500.00	116.5 PK			2.16 H	126	114.3	2.2
5	*5500.00	106.2 AV			2.16 H	126	104.0	2.2
6	11000.00	53.7 PK	74.0	-20.3	1.16 H	345	40.7	13.0
7	11000.00	43.9 AV	54.0	-10.1	1.16 H	345	30.9	13.0
8	#16500.00	58.5 PK	68.2	-9.7	1.52 H	292	44.6	13.9

Remarks:

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

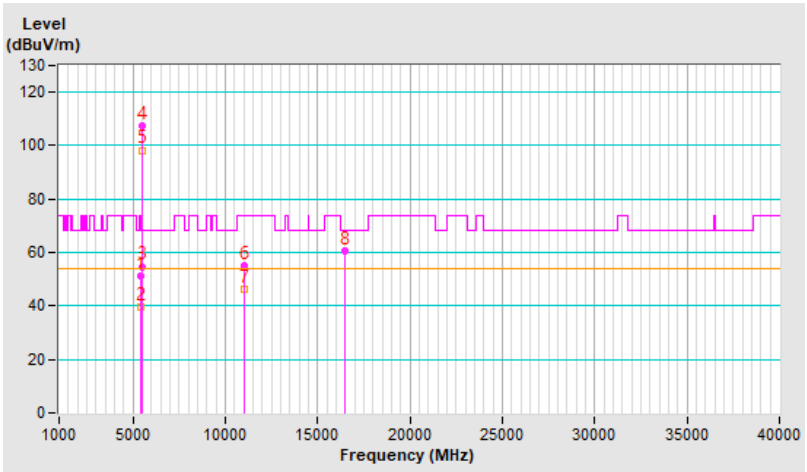


RF Mode	802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5453.60	51.0 PK	74.0	-23.0	1.53 V	123	48.7	2.3
2	5453.60	39.5 AV	54.0	-14.5	1.53 V	123	37.2	2.3
3	#5470.00	54.8 PK	68.2	-13.4	1.53 V	123	52.5	2.3
4	*5500.00	107.4 PK			1.53 V	123	105.2	2.2
5	*5500.00	98.3 AV			1.53 V	123	96.1	2.2
6	11000.00	54.9 PK	74.0	-19.1	2.30 V	190	41.9	13.0
7	11000.00	46.1 AV	54.0	-7.9	2.30 V	190	33.1	13.0
8	#16500.00	60.4 PK	68.2	-7.8	1.64 V	283	46.5	13.9

Remarks:

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

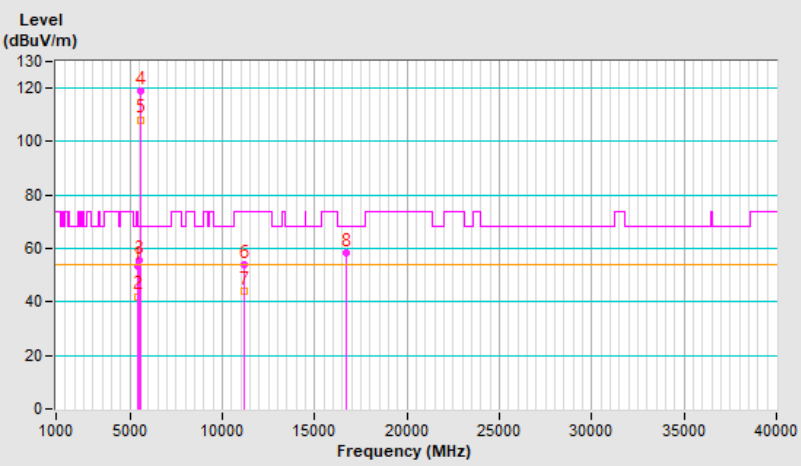


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	53.5 PK	74.0	-20.5	2.10 H	135	51.2	2.3
2	5460.00	42.1 AV	54.0	-11.9	2.10 H	135	39.8	2.3
3	#5470.00	55.4 PK	68.2	-12.8	2.10 H	135	53.1	2.3
4	*5580.00	118.8 PK			2.10 H	135	116.6	2.2
5	*5580.00	108.2 AV			2.10 H	135	106.0	2.2
6	11160.00	54.2 PK	74.0	-19.8	1.12 H	360	41.2	13.0
7	11160.00	44.3 AV	54.0	-9.7	1.12 H	360	31.3	13.0
8	#16740.00	58.5 PK	68.2	-9.7	1.47 H	283	42.1	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.

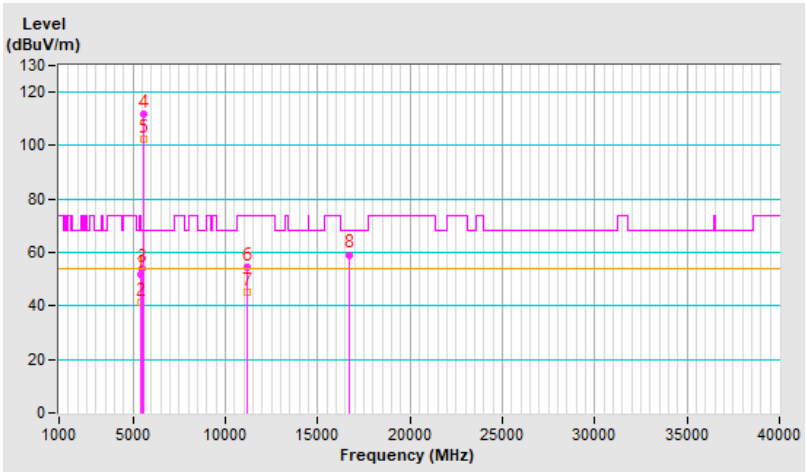


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	51.9 PK	74.0	-22.1	1.31 V	114	49.6	2.3
2	5460.00	41.3 AV	54.0	-12.7	1.31 V	114	39.0	2.3
3	#5470.00	54.0 PK	68.2	-14.2	1.31 V	114	51.7	2.3
4	*5580.00	111.9 PK			1.31 V	114	109.7	2.2
5	*5580.00	102.2 AV			1.31 V	114	100.0	2.2
6	11160.00	54.5 PK	74.0	-19.5	2.30 V	180	41.5	13.0
7	11160.00	45.4 AV	54.0	-8.6	2.30 V	180	32.4	13.0
8	#16740.00	59.2 PK	68.2	-9.0	1.62 V	286	42.8	16.4

Remarks:

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

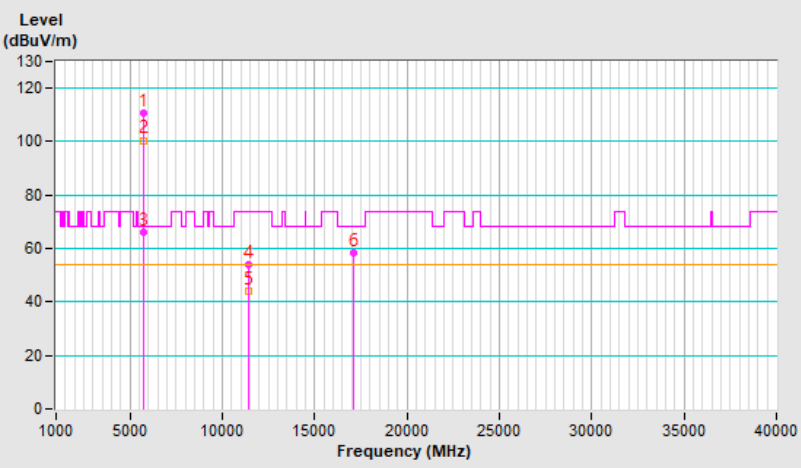


RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	110.9 PK			2.16 H	138	108.5	2.4
2	*5700.00	100.5 AV			2.16 H	138	98.1	2.4
3	#5725.00	66.2 PK	68.2	-2.0	2.16 H	138	63.8	2.4
4	11400.00	54.0 PK	74.0	-20.0	1.20 H	359	40.9	13.1
5	11400.00	44.1 AV	54.0	-9.9	1.20 H	359	31.0	13.1
6	#17100.00	58.3 PK	68.2	-9.9	1.51 H	298	41.0	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.

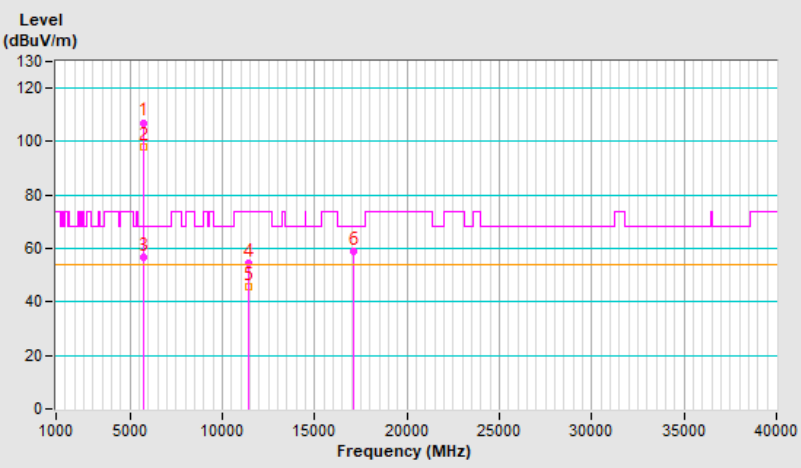


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	107.1 PK			1.34 V	117	104.7	2.4
2	*5700.00	98.1 AV			1.34 V	117	95.7	2.4
3	#5725.00	56.7 PK	68.2	-11.5	1.34 V	117	54.3	2.4
4	11400.00	54.7 PK	74.0	-19.3	2.28 V	182	41.6	13.1
5	11400.00	45.8 AV	54.0	-8.2	2.28 V	182	32.7	13.1
6	#17100.00	59.0 PK	68.2	-9.2	1.59 V	287	41.7	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.

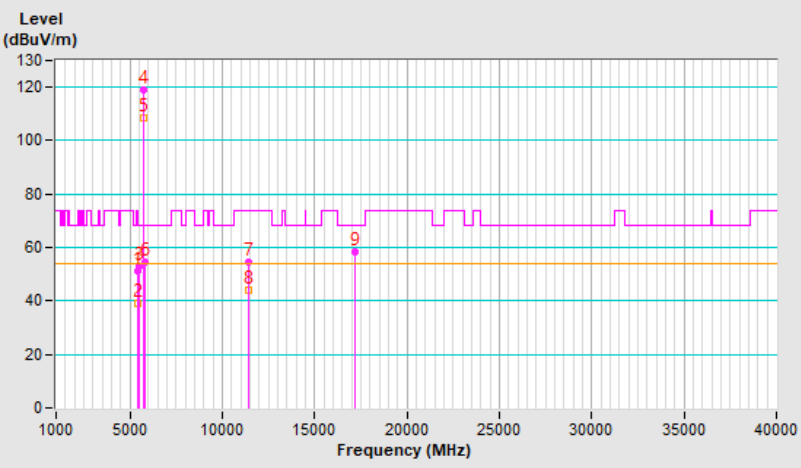


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.12 H	126	48.9	2.3
2	5460.00	39.1 AV	54.0	-14.9	2.12 H	126	36.8	2.3
3	#5470.00	52.7 PK	68.2	-15.5	2.12 H	126	50.4	2.3
4	*5720.00	119.0 PK			2.12 H	126	116.6	2.4
5	*5720.00	108.4 AV			2.12 H	126	106.0	2.4
6	#5850.00	54.6 PK	68.2	-13.6	2.12 H	126	51.7	2.9
7	11440.00	54.4 PK	74.0	-19.6	1.12 H	356	41.4	13.0
8	11440.00	44.2 AV	54.0	-9.8	1.12 H	356	31.2	13.0
9	#17160.00	58.5 PK	68.2	-9.7	1.50 H	283	41.1	17.4

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.

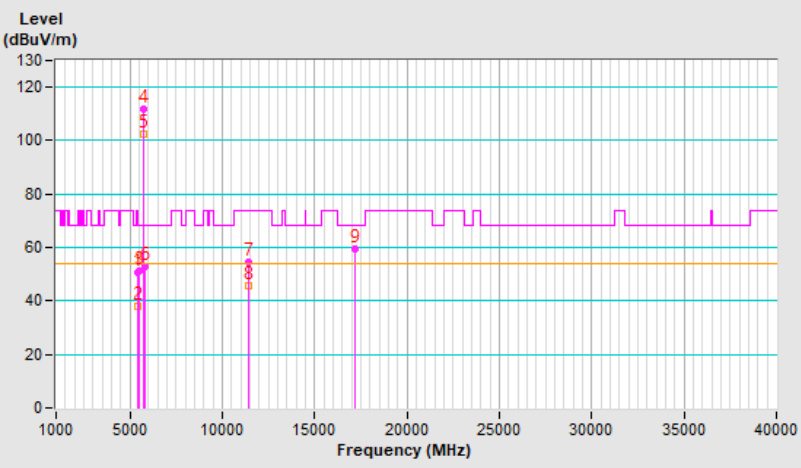


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.5 PK	74.0	-23.5	1.34 V	131	48.2	2.3
2	5460.00	38.1 AV	54.0	-15.9	1.34 V	131	35.8	2.3
3	#5470.00	51.2 PK	68.2	-17.0	1.34 V	131	48.9	2.3
4	*5720.00	112.0 PK			1.34 V	131	109.6	2.4
5	*5720.00	102.3 AV			1.34 V	131	99.9	2.4
6	#5850.00	53.1 PK	68.2	-15.1	1.34 V	131	50.2	2.9
7	11440.00	54.6 PK	74.0	-19.4	2.31 V	165	41.6	13.0
8	11440.00	45.7 AV	54.0	-8.3	2.31 V	165	32.7	13.0
9	#17160.00	59.5 PK	68.2	-8.7	1.56 V	268	42.1	17.4

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.

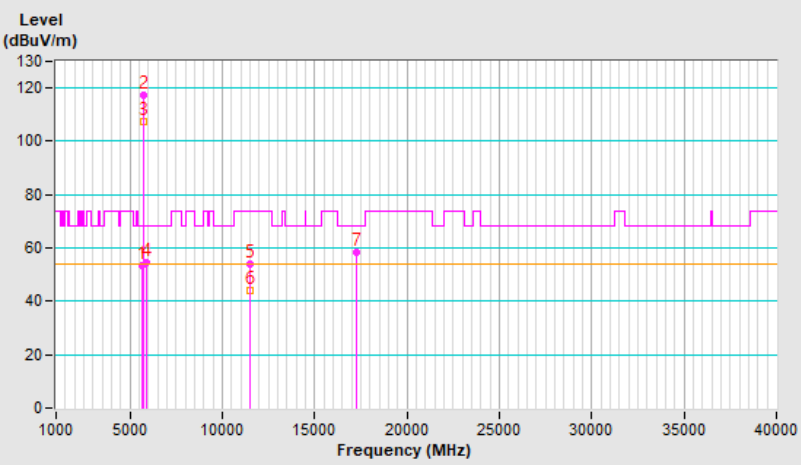


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	53.4 PK	68.2	-14.8	2.02 H	114	51.3	2.1
2	*5745.00	117.1 PK			2.02 H	114	114.6	2.5
3	*5745.00	107.5 AV			2.02 H	114	105.0	2.5
4	#5925.00	54.4 PK	68.2	-13.8	2.02 H	114	51.7	2.7
5	11490.00	54.0 PK	74.0	-20.0	3.57 H	312	40.9	13.1
6	11490.00	44.3 AV	54.0	-9.7	3.57 H	312	31.2	13.1
7	#17235.00	58.6 PK	68.2	-9.6	1.60 H	280	41.0	17.6

Remarks:

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

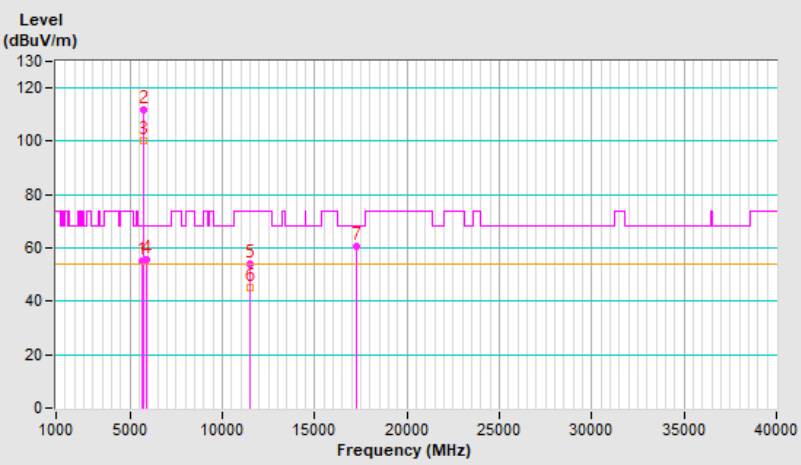


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	55.0 PK	68.2	-13.2	1.38 V	119	52.9	2.1
2	*5745.00	111.9 PK			1.38 V	119	109.4	2.5
3	*5745.00	100.4 AV			1.38 V	119	97.9	2.5
4	#5925.00	55.6 PK	68.2	-12.6	1.38 V	119	52.9	2.7
5	11490.00	54.2 PK	74.0	-19.8	2.48 V	305	41.1	13.1
6	11490.00	45.2 AV	54.0	-8.8	2.48 V	305	32.1	13.1
7	#17235.00	60.4 PK	68.2	-7.8	2.51 V	343	42.8	17.6

Remarks:

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

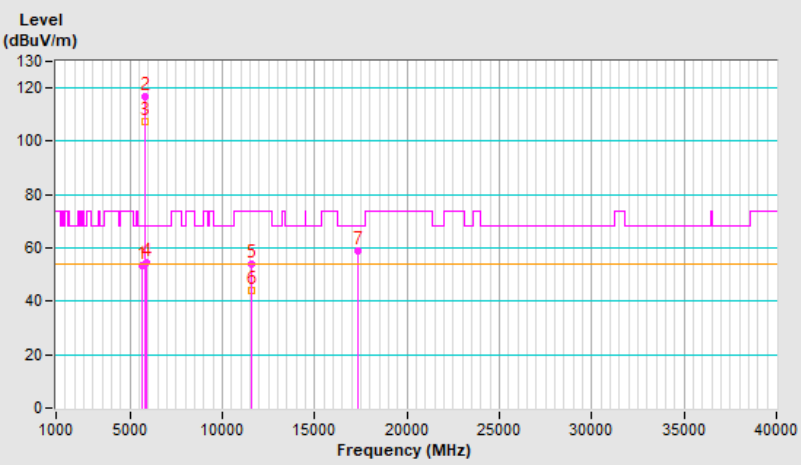


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	53.5 PK	68.2	-14.7	1.96 H	101	51.4	2.1
2	*5785.00	117.0 PK			1.96 H	101	114.2	2.8
3	*5785.00	107.4 AV			1.96 H	101	104.6	2.8
4	#5925.00	54.5 PK	68.2	-13.7	1.96 H	101	51.8	2.7
5	11570.00	53.9 PK	74.0	-20.1	3.61 H	305	40.9	13.0
6	11570.00	43.8 AV	54.0	-10.2	3.61 H	305	30.8	13.0
7	#17355.00	59.0 PK	68.2	-9.2	1.57 H	268	41.1	17.9

Remarks:

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

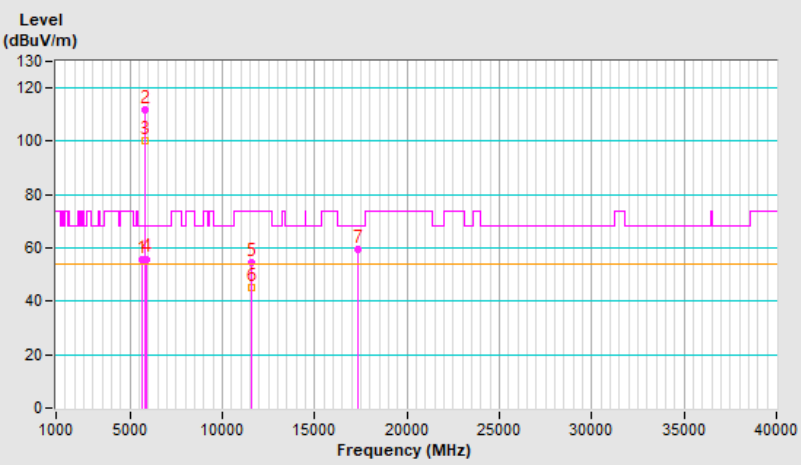


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	55.4 PK	68.2	-12.8	1.44 V	134	53.3	2.1
2	*5785.00	111.7 PK			1.44 V	134	108.9	2.8
3	*5785.00	100.1 AV			1.44 V	134	97.3	2.8
4	#5925.00	55.9 PK	68.2	-12.3	1.44 V	134	53.2	2.7
5	11570.00	54.5 PK	74.0	-19.5	2.57 V	328	41.5	13.0
6	11570.00	45.3 AV	54.0	-8.7	2.57 V	328	32.3	13.0
7	#17355.00	59.4 PK	68.2	-8.8	2.51 V	347	41.5	17.9

Remarks:

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

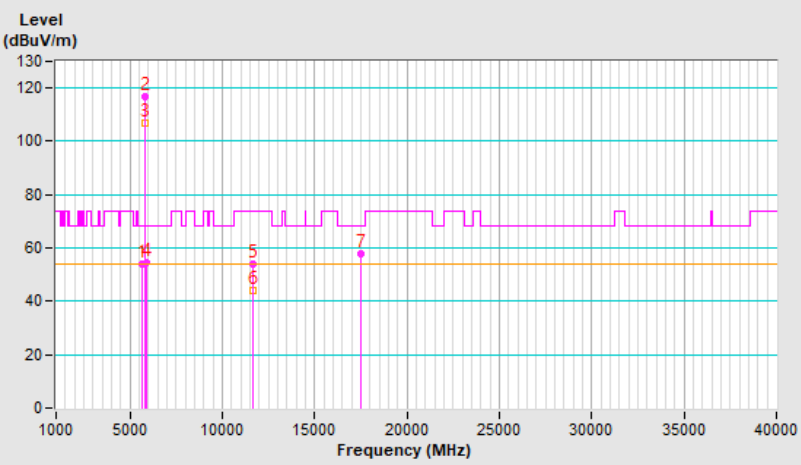


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	53.8 PK	68.2	-14.4	1.97 H	112	51.7	2.1
2	*5825.00	116.7 PK			1.97 H	112	113.8	2.9
3	*5825.00	106.9 AV			1.97 H	112	104.0	2.9
4	#5925.00	54.4 PK	68.2	-13.8	1.97 H	112	51.7	2.7
5	11650.00	53.8 PK	74.0	-20.2	3.65 H	316	41.0	12.8
6	11650.00	43.9 AV	54.0	-10.1	3.65 H	316	31.1	12.8
7	#17475.00	58.0 PK	68.2	-10.2	1.58 H	264	39.5	18.5

Remarks:

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

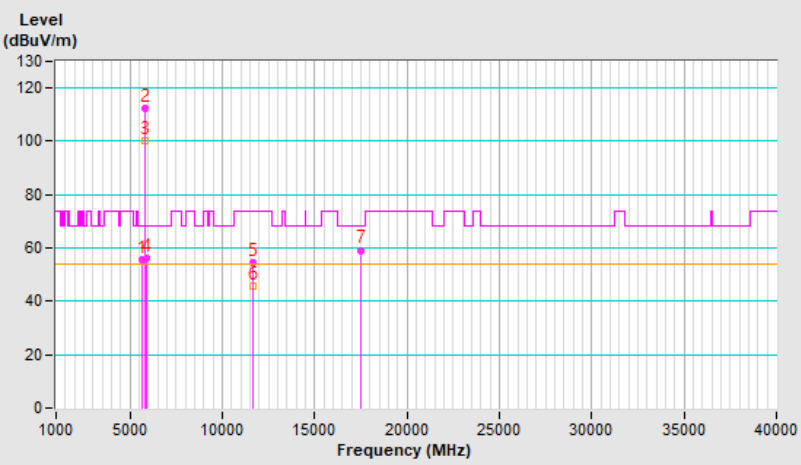


RF Mode	802.11a	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	55.7 PK	68.2	-12.5	1.41 V	126	53.6	2.1
2	*5825.00	112.2 PK			1.41 V	126	109.3	2.9
3	*5825.00	100.1 AV			1.41 V	126	97.2	2.9
4	#5925.00	56.1 PK	68.2	-12.1	1.41 V	126	53.4	2.7
5	11650.00	54.5 PK	74.0	-19.5	2.62 V	329	41.7	12.8
6	11650.00	45.5 AV	54.0	-8.5	2.62 V	329	32.7	12.8
7	#17475.00	59.2 PK	68.2	-9.0	2.49 V	355	40.7	18.5

Remarks:

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



Mode B

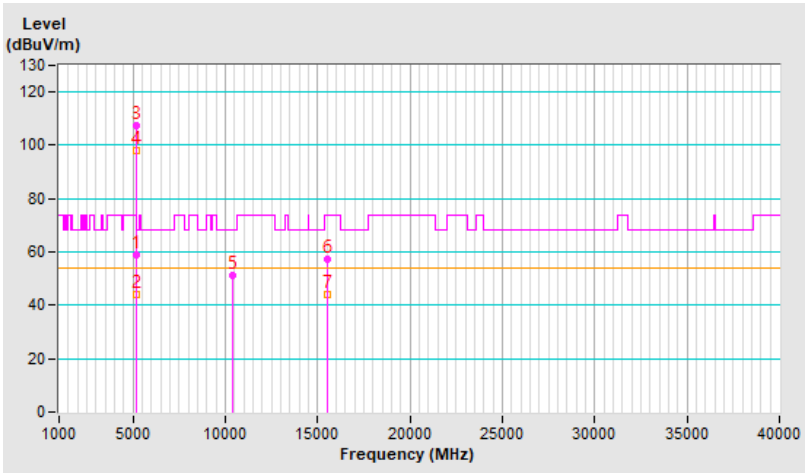
2TX

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=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.7 PK	74.0	-15.3	1.31 H	121	56.0	2.7
2	5150.00	43.8 AV	54.0	-10.2	1.31 H	121	41.1	2.7
3	*5180.00	107.2 PK			1.31 H	121	104.8	2.4
4	*5180.00	97.8 AV			1.31 H	121	95.4	2.4
5	#10360.00	51.1 PK	68.2	-17.1	2.84 H	147	38.9	12.2
6	15540.00	57.3 PK	74.0	-16.7	1.57 H	345	45.1	12.2
7	15540.00	44.0 AV	54.0	-10.0	1.57 H	345	31.8	12.2

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.

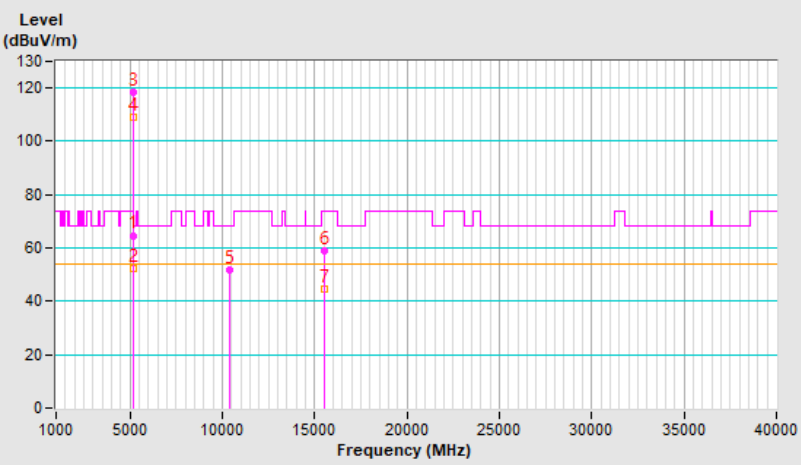


RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	64.7 PK	74.0	-9.3	1.35 V	291	62.0	2.7
2	5150.00	52.1 AV	54.0	-1.9	1.35 V	291	49.4	2.7
3	*5180.00	118.6 PK			1.35 V	291	116.2	2.4
4	*5180.00	108.9 AV			1.35 V	291	106.5	2.4
5	#10360.00	52.0 PK	68.2	-16.2	2.98 V	159	39.8	12.2
6	15540.00	59.1 PK	74.0	-14.9	3.68 V	305	46.9	12.2
7	15540.00	44.8 AV	54.0	-9.2	3.68 V	305	32.6	12.2

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.

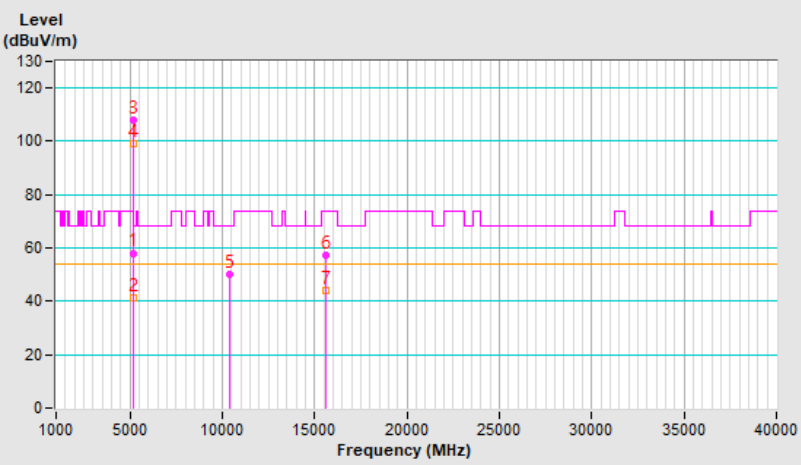


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	58.1 PK	74.0	-15.9	1.29 H	124	55.4	2.7
2	5150.00	41.5 AV	54.0	-12.5	1.29 H	124	38.8	2.7
3	*5200.00	108.1 PK			1.29 H	124	105.9	2.2
4	*5200.00	98.9 AV			1.29 H	124	96.7	2.2
5	#10400.00	50.3 PK	68.2	-17.9	2.77 H	138	37.8	12.5
6	15600.00	57.1 PK	74.0	-16.9	1.50 H	334	44.9	12.2
7	15600.00	43.9 AV	54.0	-10.1	1.50 H	334	31.7	12.2

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.

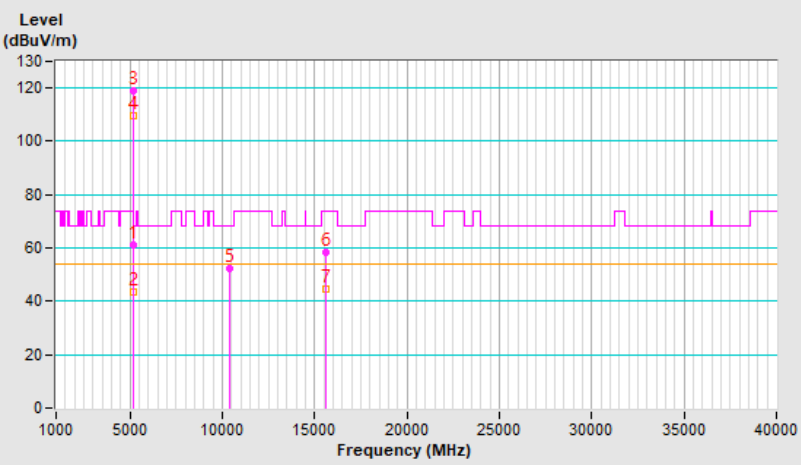


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	61.1 PK	74.0	-12.9	1.35 V	277	58.4	2.7
2	5150.00	43.5 AV	54.0	-10.5	1.35 V	277	40.8	2.7
3	*5200.00	119.2 PK			1.35 V	277	117.0	2.2
4	*5200.00	109.8 AV			1.35 V	277	107.6	2.2
5	#10400.00	52.1 PK	68.2	-16.1	3.04 V	152	39.6	12.5
6	15600.00	58.3 PK	74.0	-15.7	3.63 V	318	46.1	12.2
7	15600.00	44.5 AV	54.0	-9.5	3.63 V	318	32.3	12.2

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.

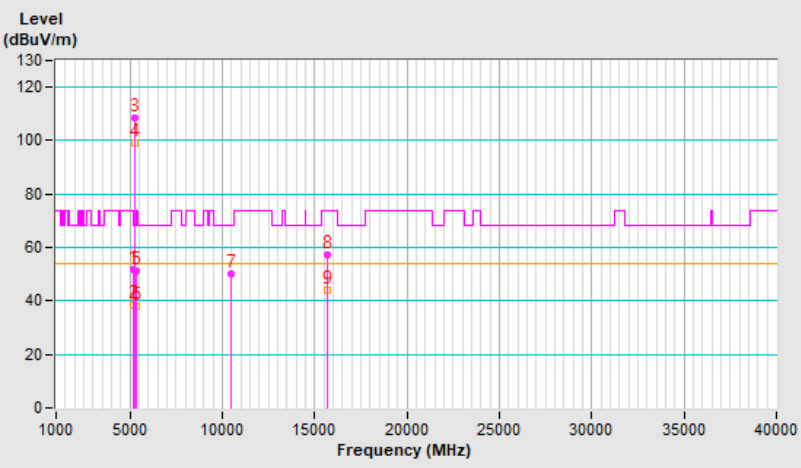


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.34 H	130	48.9	2.7
2	5150.00	38.6 AV	54.0	-15.4	1.34 H	130	35.9	2.7
3	*5240.00	108.4 PK			1.34 H	130	106.4	2.0
4	*5240.00	99.0 AV			1.34 H	130	97.0	2.0
5	5350.00	51.0 PK	74.0	-23.0	1.34 H	130	48.8	2.2
6	5350.00	37.9 AV	54.0	-16.1	1.34 H	130	35.7	2.2
7	#10480.00	50.1 PK	68.2	-18.1	2.84 H	131	37.9	12.2
8	15720.00	57.2 PK	74.0	-16.8	1.51 H	356	45.5	11.7
9	15720.00	44.2 AV	54.0	-9.8	1.51 H	356	32.5	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.

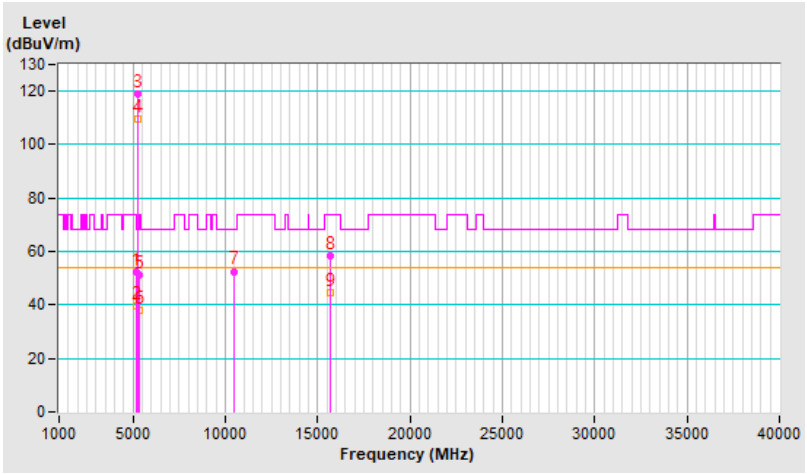


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.2 PK	74.0	-21.8	1.37 V	298	49.5	2.7
2	5150.00	39.4 AV	54.0	-14.6	1.37 V	298	36.7	2.7
3	*5240.00	119.2 PK			1.37 V	298	117.2	2.0
4	*5240.00	109.6 AV			1.37 V	298	107.6	2.0
5	5350.00	51.2 PK	74.0	-22.8	1.37 V	298	49.0	2.2
6	5350.00	38.2 AV	54.0	-15.8	1.37 V	298	36.0	2.2
7	#10480.00	52.6 PK	68.2	-15.6	3.02 V	162	40.4	12.2
8	15720.00	58.4 PK	74.0	-15.6	3.65 V	304	46.7	11.7
9	15720.00	44.4 AV	54.0	-9.6	3.65 V	304	32.7	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.

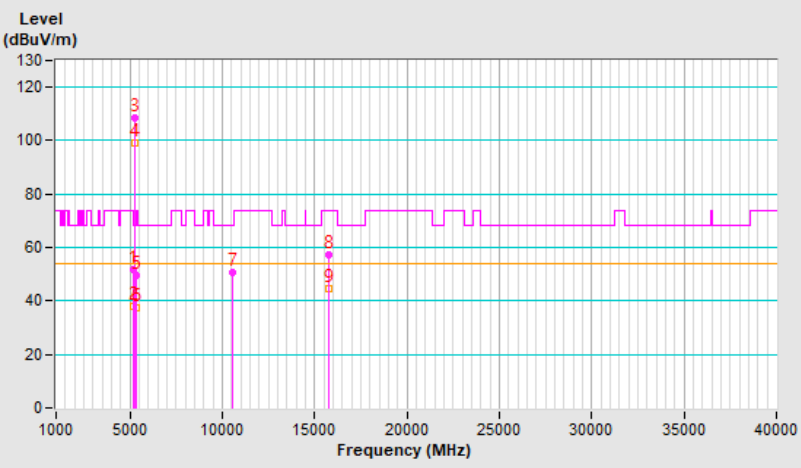


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.31 H	123	48.9	2.7
2	5150.00	38.2 AV	54.0	-15.8	1.31 H	123	35.5	2.7
3	*5260.00	108.6 PK			1.31 H	123	106.7	1.9
4	*5260.00	99.2 AV			1.31 H	123	97.3	1.9
5	5350.00	49.8 PK	74.0	-24.2	1.31 H	123	47.6	2.2
6	5350.00	37.3 AV	54.0	-16.7	1.31 H	123	35.1	2.2
7	#10520.00	50.6 PK	68.2	-17.6	2.79 H	138	38.5	12.1
8	15780.00	57.2 PK	74.0	-16.8	1.56 H	341	45.6	11.6
9	15780.00	44.5 AV	54.0	-9.5	1.56 H	341	32.9	11.6

Remarks:

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

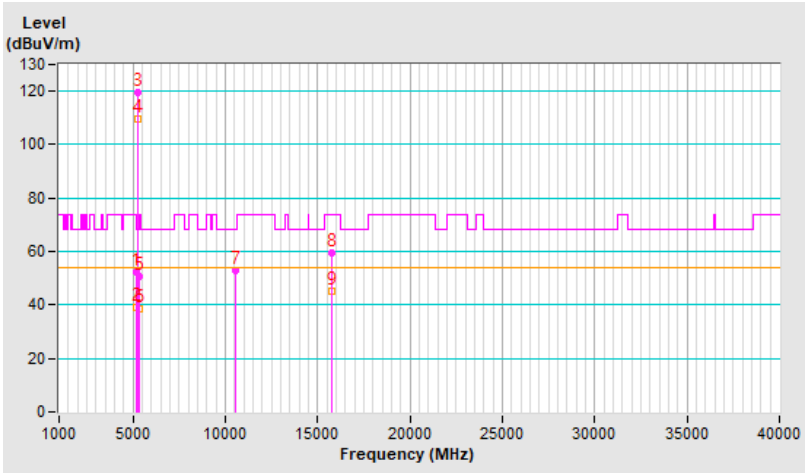


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.2 PK	74.0	-21.8	1.34 V	286	49.5	2.7
2	5150.00	39.2 AV	54.0	-14.8	1.34 V	286	36.5	2.7
3	*5260.00	119.6 PK			1.34 V	286	117.7	1.9
4	*5260.00	109.8 AV			1.34 V	286	107.9	1.9
5	5350.00	50.9 PK	74.0	-23.1	1.34 V	286	48.7	2.2
6	5350.00	38.5 AV	54.0	-15.5	1.34 V	286	36.3	2.2
7	#10520.00	53.0 PK	68.2	-15.2	3.01 V	171	40.9	12.1
8	15780.00	59.6 PK	74.0	-14.4	3.69 V	311	48.0	11.6
9	15780.00	45.0 AV	54.0	-9.0	3.69 V	311	33.4	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.

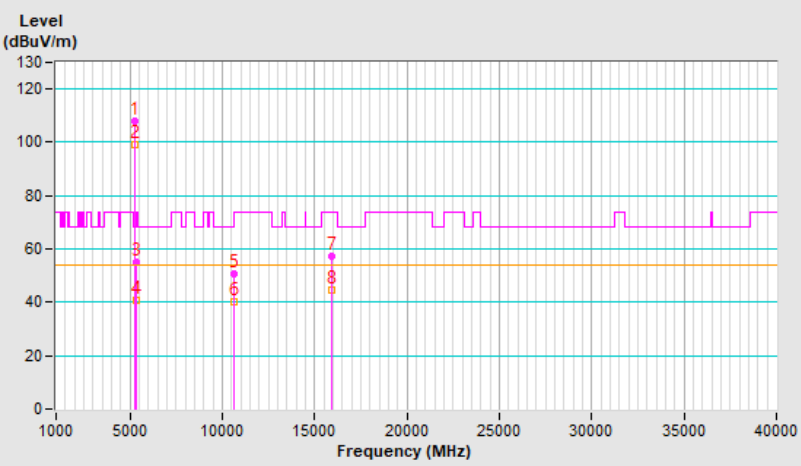


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	107.9 PK			1.26 H	122	106.1	1.8
2	*5300.00	98.9 AV			1.26 H	122	97.1	1.8
3	5350.00	55.0 PK	74.0	-19.0	1.26 H	122	52.8	2.2
4	5350.00	40.6 AV	54.0	-13.4	1.26 H	122	38.4	2.2
5	10600.00	50.5 PK	74.0	-23.5	2.85 H	140	38.2	12.3
6	10600.00	40.4 AV	54.0	-13.6	2.85 H	140	28.1	12.3
7	15900.00	57.1 PK	74.0	-16.9	1.54 H	328	45.9	11.2
8	15900.00	44.4 AV	54.0	-9.6	1.54 H	328	33.2	11.2

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.

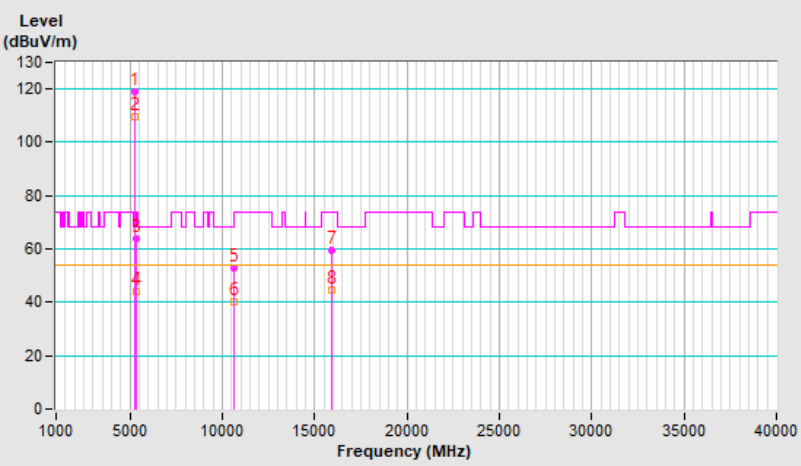


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	118.9 PK			1.41 V	279	117.1	1.8
2	*5300.00	109.5 AV			1.41 V	279	107.7	1.8
3	5350.00	63.8 PK	74.0	-10.2	1.41 V	279	61.6	2.2
4	5350.00	44.2 AV	54.0	-9.8	1.41 V	279	42.0	2.2
5	10600.00	53.0 PK	74.0	-21.0	3.01 V	157	40.7	12.3
6	10600.00	40.4 AV	54.0	-13.6	3.01 V	157	28.1	12.3
7	15900.00	59.4 PK	74.0	-14.6	3.69 V	319	48.2	11.2
8	15900.00	44.8 AV	54.0	-9.2	3.69 V	319	33.6	11.2

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.

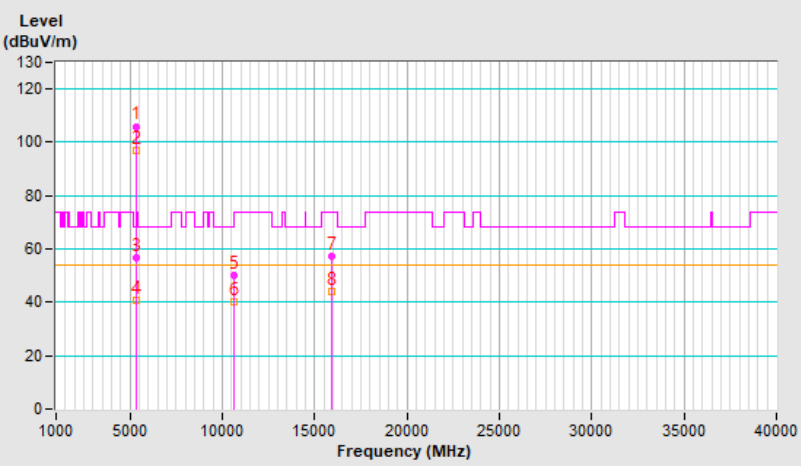


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.0 PK			1.32 H	107	104.0	2.0
2	*5320.00	96.7 AV			1.32 H	107	94.7	2.0
3	5350.00	56.7 PK	74.0	-17.3	1.32 H	107	54.5	2.2
4	5350.00	40.8 AV	54.0	-13.2	1.32 H	107	38.6	2.2
5	10640.00	50.3 PK	74.0	-23.7	2.75 H	143	38.0	12.3
6	10640.00	40.0 AV	54.0	-14.0	2.75 H	143	27.7	12.3
7	15960.00	57.2 PK	74.0	-16.8	1.58 H	354	45.7	11.5
8	15960.00	44.1 AV	54.0	-9.9	1.58 H	354	32.6	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.

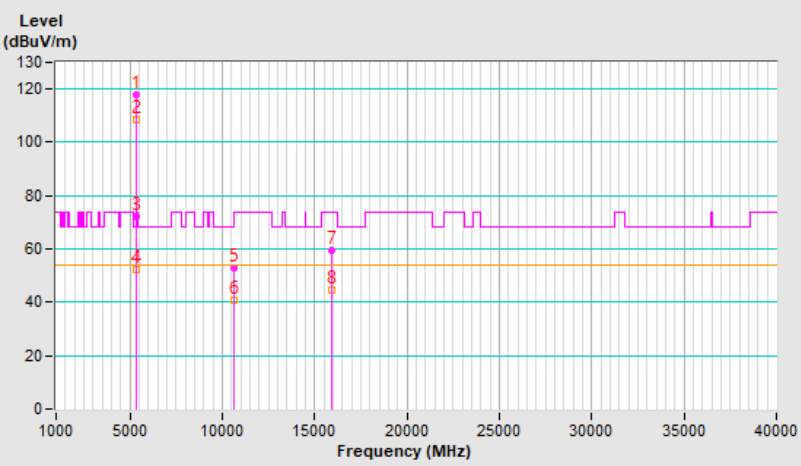


RF Mode	802.11a	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5320.00	118.0 PK			1.40 V	298	116.0	2.0
2	*5320.00	108.3 AV			1.40 V	298	106.3	2.0
3	5350.00	72.2 PK	74.0	-1.8	1.40 V	298	70.0	2.2
4	5350.00	52.2 AV	54.0	-1.8	1.40 V	298	50.0	2.2
5	10640.00	53.1 PK	74.0	-20.9	3.03 V	163	40.8	12.3
6	10640.00	40.7 AV	54.0	-13.3	3.03 V	163	28.4	12.3
7	15960.00	59.4 PK	74.0	-14.6	3.65 V	312	47.9	11.5
8	15960.00	44.6 AV	54.0	-9.4	3.65 V	312	33.1	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.

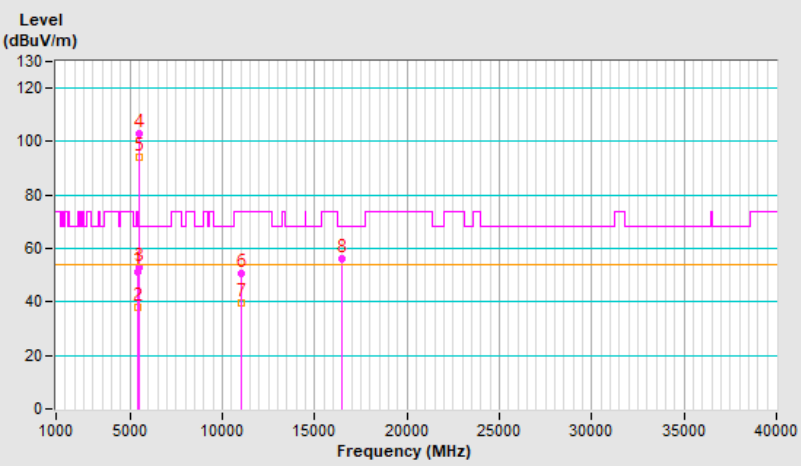


RF Mode	802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	1.34 H	115	49.2	2.3
2	5460.00	38.0 AV	54.0	-16.0	1.34 H	115	35.7	2.3
3	#5470.00	52.9 PK	68.2	-15.3	1.34 H	115	50.6	2.3
4	*5500.00	102.9 PK			1.34 H	115	100.7	2.2
5	*5500.00	94.1 AV			1.34 H	115	91.9	2.2
6	11000.00	50.5 PK	74.0	-23.5	2.82 H	157	37.5	13.0
7	11000.00	39.8 AV	54.0	-14.2	2.82 H	157	26.8	13.0
8	#16500.00	56.4 PK	68.2	-11.8	1.53 H	343	42.5	13.9

Remarks:

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

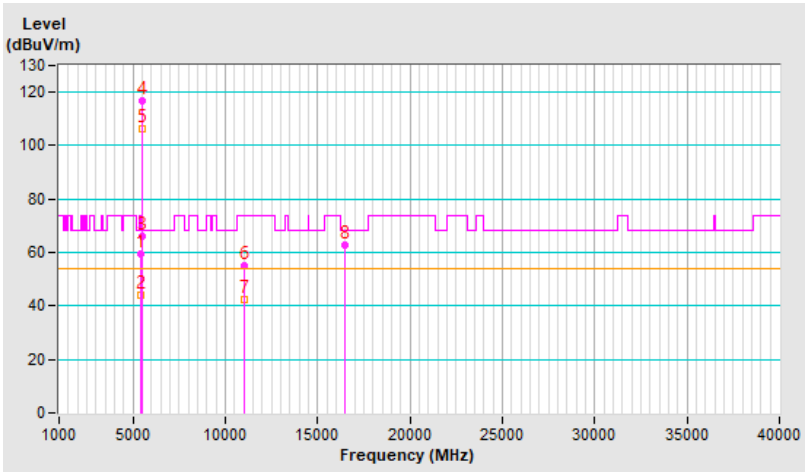


RF Mode	802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	59.7 PK	74.0	-14.3	1.45 V	263	57.4	2.3
2	5460.00	43.8 AV	54.0	-10.2	1.45 V	263	41.5	2.3
3	#5466.45	66.0 PK	68.2	-2.2	1.45 V	263	63.7	2.3
4	*5500.00	116.7 PK			1.45 V	263	114.5	2.2
5	*5500.00	106.5 AV			1.45 V	263	104.3	2.2
6	11000.00	55.1 PK	74.0	-18.9	2.92 V	151	42.1	13.0
7	11000.00	42.6 AV	54.0	-11.4	2.92 V	151	29.6	13.0
8	#16500.00	62.6 PK	68.2	-5.6	3.66 V	319	48.7	13.9

Remarks:

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

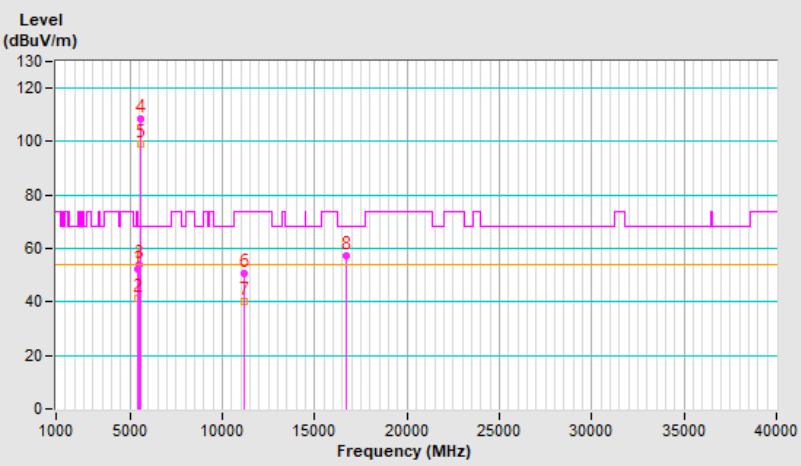


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	52.1 PK	74.0	-21.9	1.32 H	136	49.8	2.3
2	5460.00	41.3 AV	54.0	-12.7	1.32 H	136	39.0	2.3
3	#5470.00	53.8 PK	68.2	-14.4	1.32 H	136	51.5	2.3
4	*5580.00	108.3 PK			1.32 H	136	106.1	2.2
5	*5580.00	99.2 AV			1.32 H	136	97.0	2.2
6	11160.00	50.7 PK	74.0	-23.3	2.83 H	160	37.7	13.0
7	11160.00	40.3 AV	54.0	-13.7	2.83 H	160	27.3	13.0
8	#16740.00	57.3 PK	68.2	-10.9	1.51 H	330	40.9	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.

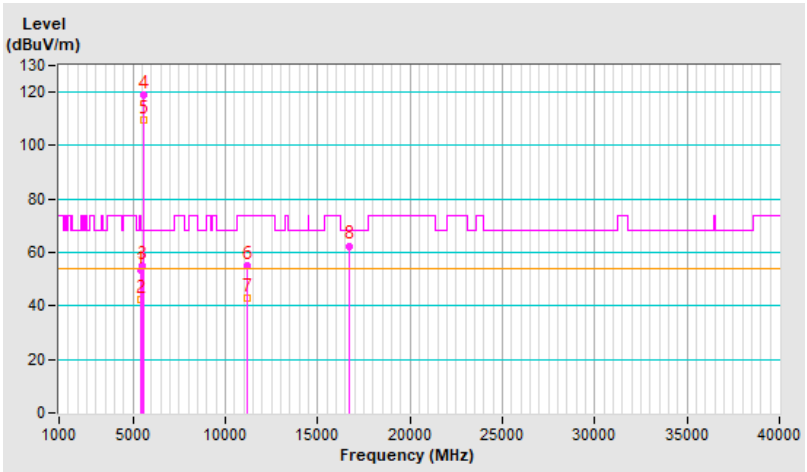


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	53.5 PK	74.0	-20.5	1.40 V	286	51.2	2.3
2	5460.00	42.2 AV	54.0	-11.8	1.40 V	286	39.9	2.3
3	#5470.00	55.3 PK	68.2	-12.9	1.40 V	286	53.0	2.3
4	*5580.00	119.2 PK			1.40 V	286	117.0	2.2
5	*5580.00	109.4 AV			1.40 V	286	107.2	2.2
6	11160.00	55.1 PK	74.0	-18.9	3.01 V	172	42.1	13.0
7	11160.00	42.7 AV	54.0	-11.3	3.01 V	172	29.7	13.0
8	#16740.00	62.5 PK	68.2	-5.7	3.70 V	306	46.1	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.

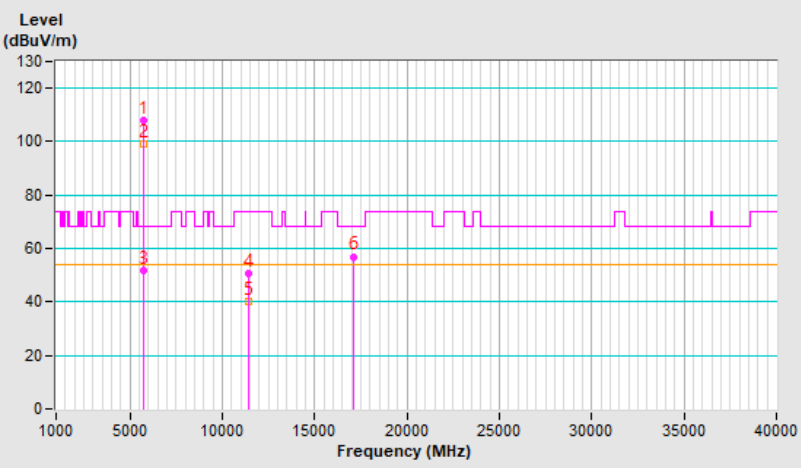


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	108.1 PK			1.33 H	121	105.7	2.4
2	*5700.00	98.9 AV			1.33 H	121	96.5	2.4
3	#5725.00	51.9 PK	68.2	-16.3	1.33 H	121	49.5	2.4
4	11400.00	50.5 PK	74.0	-23.5	2.80 H	130	37.4	13.1
5	11400.00	40.1 AV	54.0	-13.9	2.80 H	130	27.0	13.1
6	#17100.00	57.0 PK	68.2	-11.2	1.48 H	354	39.7	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.

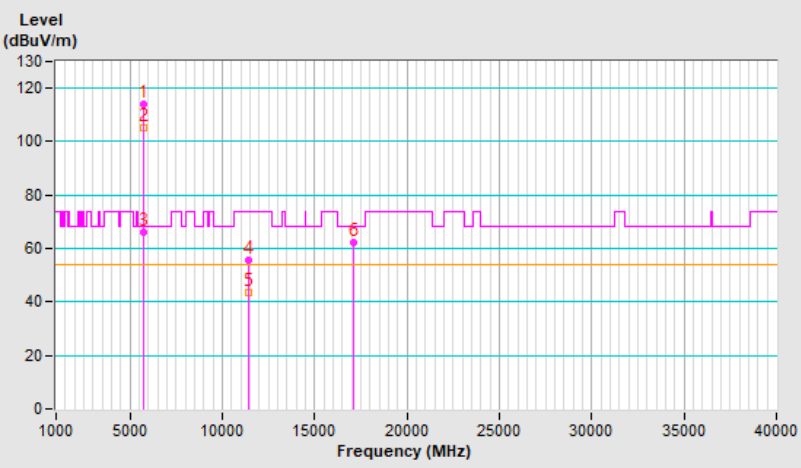


RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	114.2 PK			1.44 V	266	111.8	2.4
2	*5700.00	105.3 AV			1.44 V	266	102.9	2.4
3	#5725.00	66.3 PK	68.2	-1.9	1.44 V	266	63.9	2.4
4	11400.00	55.7 PK	74.0	-18.3	4.00 V	150	42.6	13.1
5	11400.00	43.3 AV	54.0	-10.7	4.00 V	150	30.2	13.1
6	#17100.00	62.0 PK	68.2	-6.2	2.09 V	259	44.7	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.

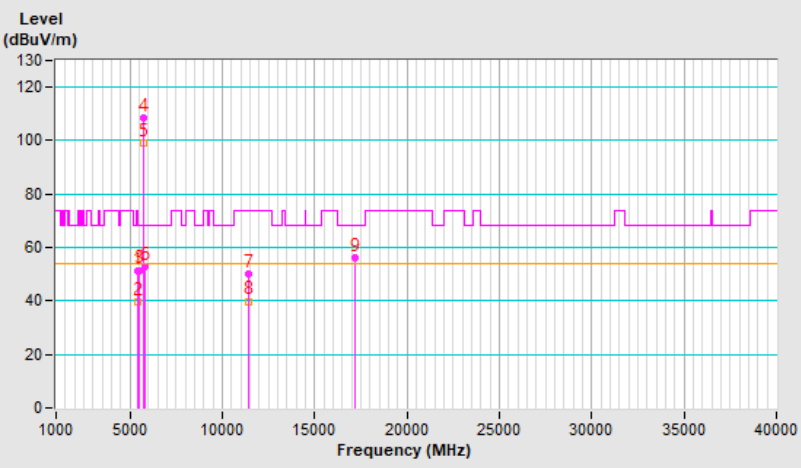


RF Mode	802.11a	**Channel**	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	51.0 PK	74.0	-23.0	1.32 H	134	48.7	2.3
2	5460.00	39.5 AV	54.0	-14.5	1.32 H	134	37.2	2.3
3	#5470.00	51.5 PK	68.2	-16.7	1.32 H	134	49.2	2.3
4	*5720.00	108.3 PK			1.32 H	134	105.9	2.4
5	*5720.00	99.0 AV			1.32 H	134	96.6	2.4
6	#5850.00	52.8 PK	68.2	-15.4	1.32 H	134	49.9	2.9
7	11440.00	50.1 PK	74.0	-23.9	2.81 H	145	37.1	13.0
8	11440.00	39.9 AV	54.0	-14.1	2.81 H	145	26.9	13.0
9	#17160.00	56.2 PK	68.2	-12.0	1.53 H	342	38.8	17.4

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.

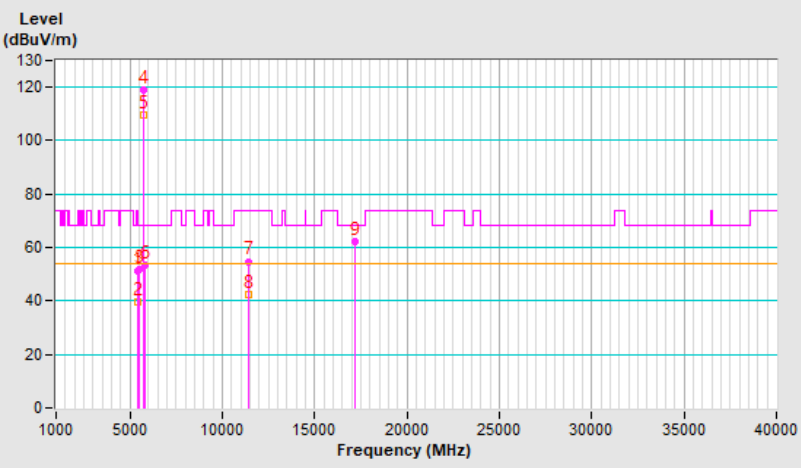


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	51.4 PK	74.0	-22.6	1.38 V	295	49.1	2.3
2	5460.00	39.5 AV	54.0	-14.5	1.38 V	295	37.2	2.3
3	#5470.00	51.7 PK	68.2	-16.5	1.38 V	295	49.4	2.3
4	*5720.00	119.1 PK			1.38 V	295	116.7	2.4
5	*5720.00	109.8 AV			1.38 V	295	107.4	2.4
6	#5850.00	53.2 PK	68.2	-15.0	1.38 V	295	50.3	2.9
7	11440.00	54.8 PK	74.0	-19.2	4.00 V	152	41.8	13.0
8	11440.00	42.3 AV	54.0	-11.7	4.00 V	152	29.3	13.0
9	#17160.00	62.0 PK	68.2	-6.2	2.08 V	250	44.6	17.4

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.

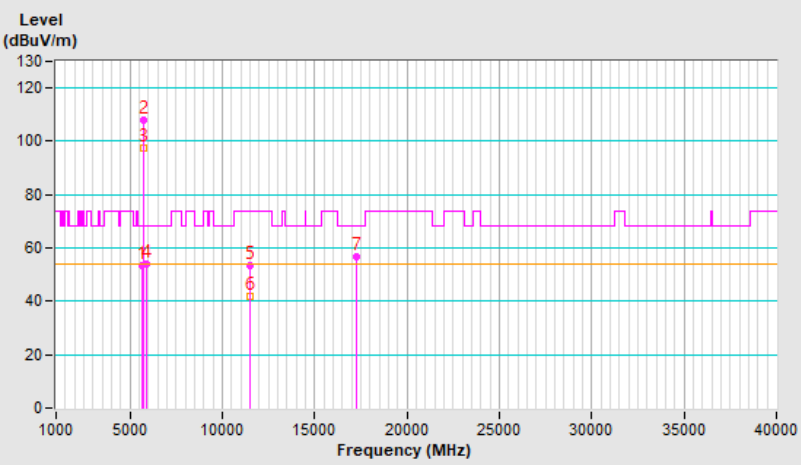


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	53.6 PK	68.2	-14.6	1.52 H	154	51.5	2.1
2	*5745.00	107.7 PK			1.52 H	154	105.2	2.5
3	*5745.00	97.3 AV			1.52 H	154	94.8	2.5
4	#5925.00	54.2 PK	68.2	-14.0	1.52 H	154	51.5	2.7
5	11490.00	53.5 PK	74.0	-20.5	1.21 H	318	40.4	13.1
6	11490.00	41.9 AV	54.0	-12.1	1.21 H	318	28.8	13.1
7	#17235.00	56.5 PK	68.2	-11.7	3.57 H	345	38.9	17.6

Remarks:

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

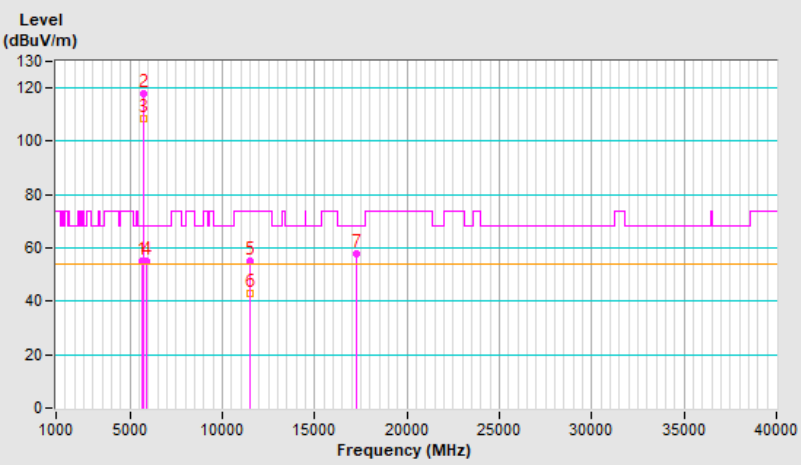


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	55.3 PK	68.2	-12.9	1.46 V	276	53.2	2.1
2	*5745.00	117.8 PK			1.46 V	276	115.3	2.5
3	*5745.00	108.7 AV			1.46 V	276	106.2	2.5
4	#5925.00	55.2 PK	68.2	-13.0	1.46 V	276	52.5	2.7
5	11490.00	55.2 PK	74.0	-18.8	1.20 V	319	42.1	13.1
6	11490.00	43.1 AV	54.0	-10.9	1.20 V	319	30.0	13.1
7	#17235.00	57.7 PK	68.2	-10.5	1.27 V	360	40.1	17.6

Remarks:

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

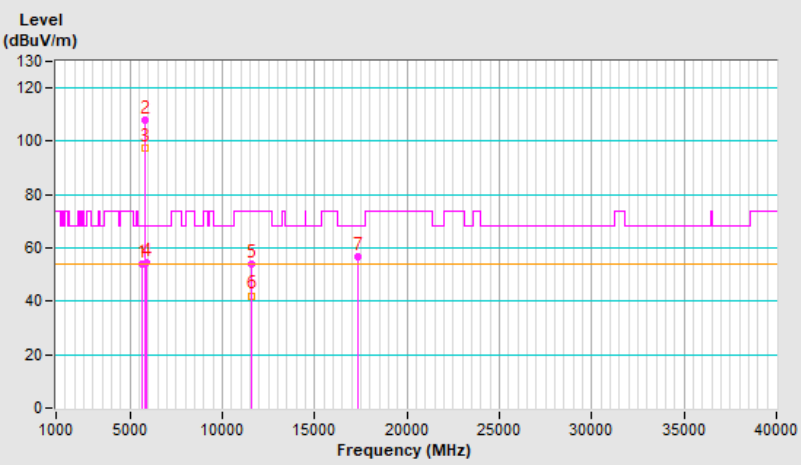


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	54.2 PK	68.2	-14.0	1.49 H	154	52.1	2.1
2	*5785.00	108.0 PK			1.49 H	154	105.2	2.8
3	*5785.00	97.5 AV			1.49 H	154	94.7	2.8
4	#5925.00	54.5 PK	68.2	-13.7	1.49 H	154	51.8	2.7
5	11570.00	54.0 PK	74.0	-20.0	1.22 H	328	41.0	13.0
6	11570.00	42.1 AV	54.0	-11.9	1.22 H	328	29.1	13.0
7	#17355.00	56.9 PK	68.2	-11.3	3.54 H	341	39.0	17.9

Remarks:

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

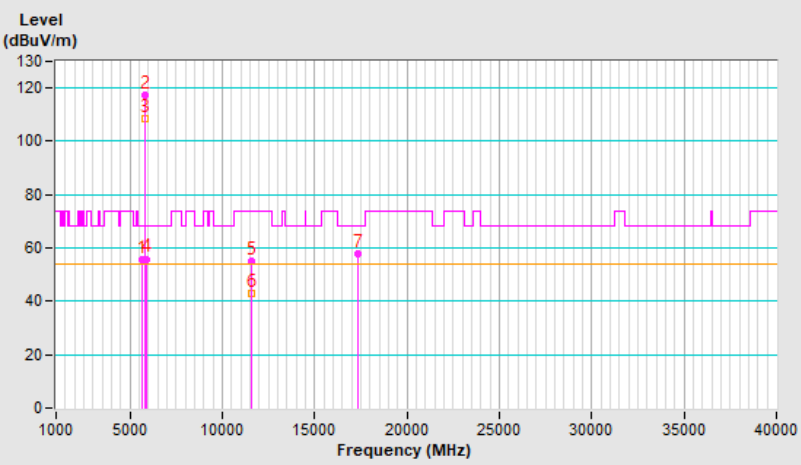


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	55.5 PK	68.2	-12.7	1.40 V	276	53.4	2.1
2	*5785.00	117.5 PK			1.40 V	276	114.7	2.8
3	*5785.00	108.7 AV			1.40 V	276	105.9	2.8
4	#5925.00	55.9 PK	68.2	-12.3	1.40 V	276	53.2	2.7
5	11570.00	54.9 PK	74.0	-19.1	1.22 V	315	41.9	13.0
6	11570.00	42.8 AV	54.0	-11.2	1.22 V	315	29.8	13.0
7	#17355.00	57.9 PK	68.2	-10.3	1.19 V	360	40.0	17.9

Remarks:

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

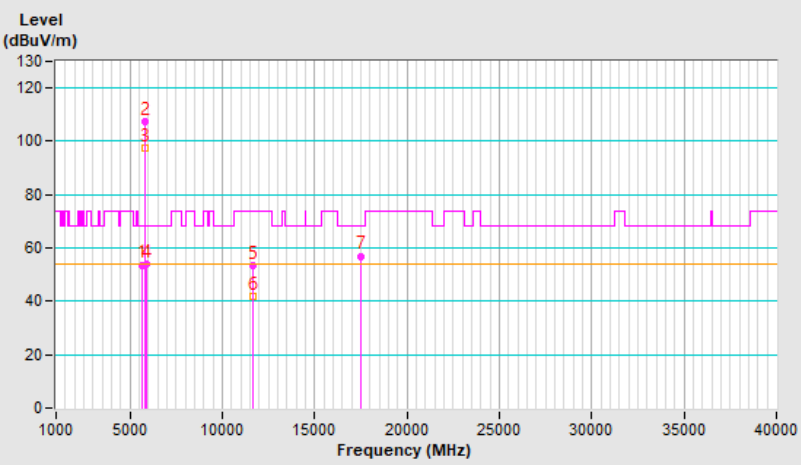


RF Mode	802.11a	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	53.7 PK	68.2	-14.5	1.56 H	139	51.6	2.1
2	*5825.00	107.6 PK			1.56 H	139	104.7	2.9
3	*5825.00	97.4 AV			1.56 H	139	94.5	2.9
4	#5925.00	53.9 PK	68.2	-14.3	1.56 H	139	51.2	2.7
5	11650.00	53.4 PK	74.0	-20.6	1.26 H	316	40.6	12.8
6	11650.00	41.8 AV	54.0	-12.2	1.26 H	316	29.0	12.8
7	#17475.00	57.0 PK	68.2	-11.2	3.58 H	330	38.5	18.5

Remarks:

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

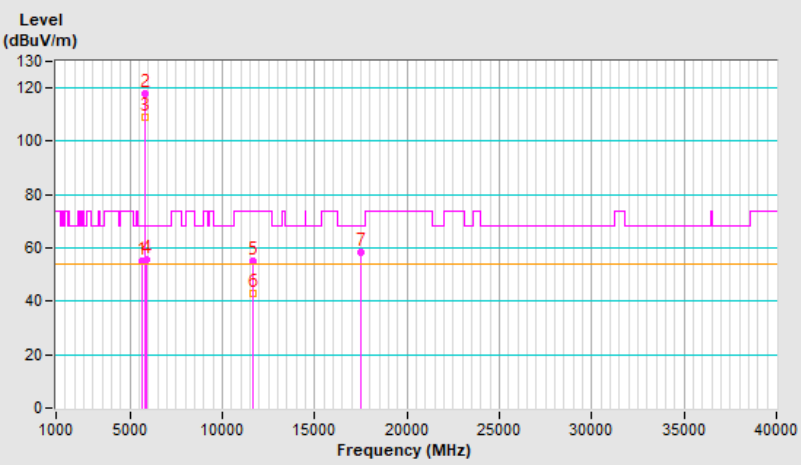


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Willy Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	55.2 PK	68.2	-13.0	1.46 V	291	53.1	2.1
2	*5825.00	117.9 PK			1.46 V	291	115.0	2.9
3	*5825.00	108.9 AV			1.46 V	291	106.0	2.9
4	#5925.00	55.8 PK	68.2	-12.4	1.46 V	291	53.1	2.7
5	11650.00	55.1 PK	74.0	-18.9	1.19 V	314	42.3	12.8
6	11650.00	43.0 AV	54.0	-11.0	1.19 V	314	30.2	12.8
7	#17475.00	58.6 PK	68.2	-9.6	1.21 V	360	40.1	18.5

Remarks:

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



Mode C

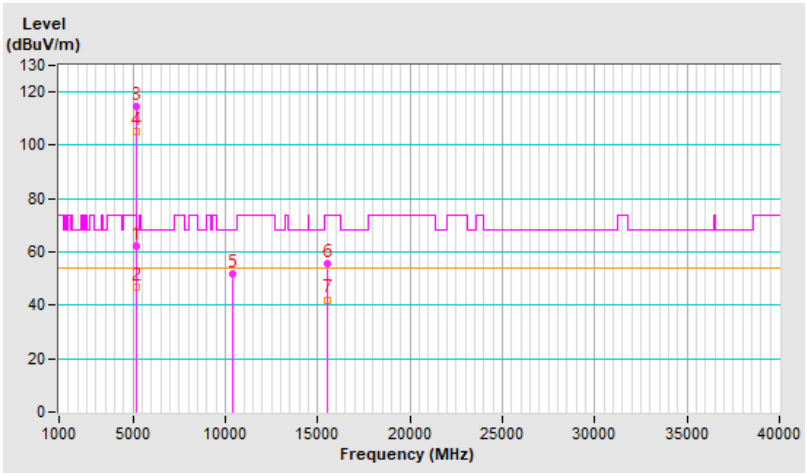
2TX

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=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	3.55 H	22	59.3	2.7
2	5150.00	46.9 AV	54.0	-7.1	3.55 H	22	44.2	2.7
3	*5180.00	114.7 PK			3.55 H	22	112.3	2.4
4	*5180.00	105.1 AV			3.55 H	22	102.7	2.4
5	#10360.00	52.0 PK	68.2	-16.2	2.16 H	308	39.8	12.2
6	15540.00	55.5 PK	74.0	-18.5	3.26 H	121	43.3	12.2
7	15540.00	42.1 AV	54.0	-11.9	3.26 H	121	29.9	12.2

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.

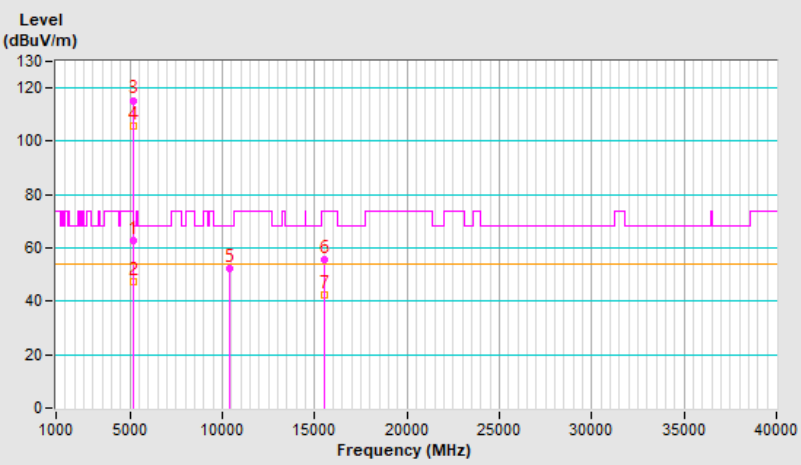


RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.9 PK	74.0	-11.1	2.93 V	85	60.2	2.7
2	5150.00	47.3 AV	54.0	-6.7	2.93 V	85	44.6	2.7
3	*5180.00	115.4 PK			2.93 V	85	113.0	2.4
4	*5180.00	105.5 AV			2.93 V	85	103.1	2.4
5	#10360.00	52.2 PK	68.2	-16.0	1.66 V	351	40.0	12.2
6	15540.00	55.4 PK	74.0	-18.6	2.57 V	292	43.2	12.2
7	15540.00	42.3 AV	54.0	-11.7	2.57 V	292	30.1	12.2

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.

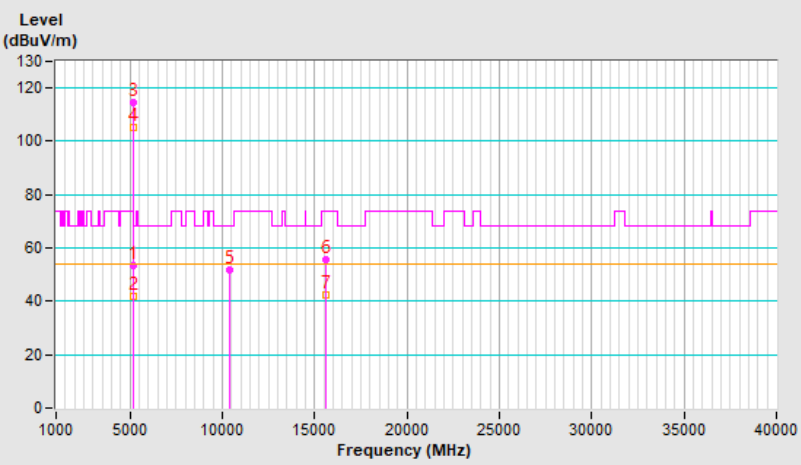


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.3 PK	74.0	-20.7	3.46 H	36	50.6	2.7
2	5150.00	41.6 AV	54.0	-12.4	3.46 H	36	38.9	2.7
3	*5200.00	114.5 PK			3.46 H	36	112.3	2.2
4	*5200.00	105.0 AV			3.46 H	36	102.8	2.2
5	#10400.00	52.0 PK	68.2	-16.2	2.14 H	321	39.5	12.5
6	15600.00	55.4 PK	74.0	-18.6	3.31 H	116	43.2	12.2
7	15600.00	42.3 AV	54.0	-11.7	3.31 H	116	30.1	12.2

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.

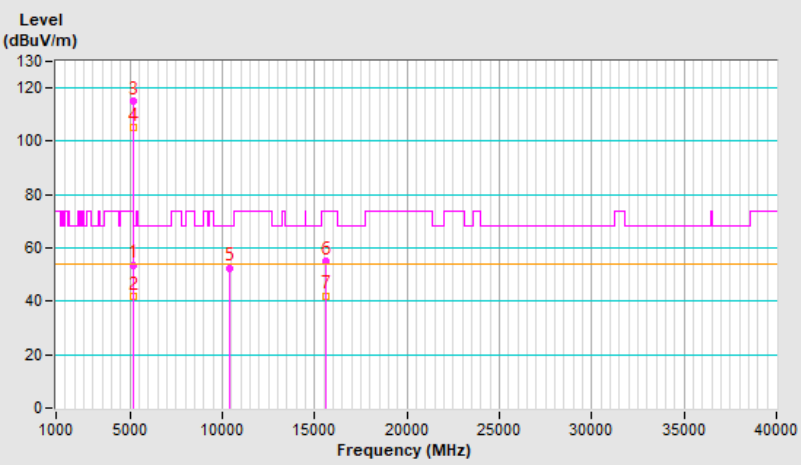


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.7 PK	74.0	-20.3	2.91 V	74	51.0	2.7
2	5150.00	41.9 AV	54.0	-12.1	2.91 V	74	39.2	2.7
3	*5200.00	115.2 PK			2.91 V	74	113.0	2.2
4	*5200.00	105.4 AV			2.91 V	74	103.2	2.2
5	#10400.00	52.6 PK	68.2	-15.6	1.55 V	335	40.1	12.5
6	15600.00	55.3 PK	74.0	-18.7	2.66 V	271	43.1	12.2
7	15600.00	42.1 AV	54.0	-11.9	2.66 V	271	29.9	12.2

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.

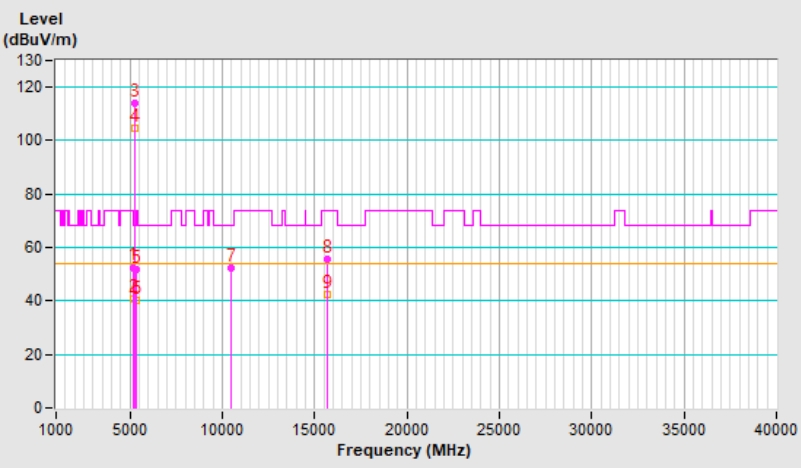


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.6 PK	74.0	-21.4	3.50 H	32	49.9	2.7
2	5150.00	40.6 AV	54.0	-13.4	3.50 H	32	37.9	2.7
3	*5240.00	114.2 PK			3.50 H	32	112.2	2.0
4	*5240.00	104.8 AV			3.50 H	32	102.8	2.0
5	5350.00	51.8 PK	74.0	-22.2	3.50 H	32	49.6	2.2
6	5350.00	40.0 AV	54.0	-14.0	3.50 H	32	37.8	2.2
7	#10480.00	52.2 PK	68.2	-16.0	2.16 H	298	40.0	12.2
8	15720.00	55.7 PK	74.0	-18.3	3.20 H	133	44.0	11.7
9	15720.00	42.4 AV	54.0	-11.6	3.20 H	133	30.7	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.

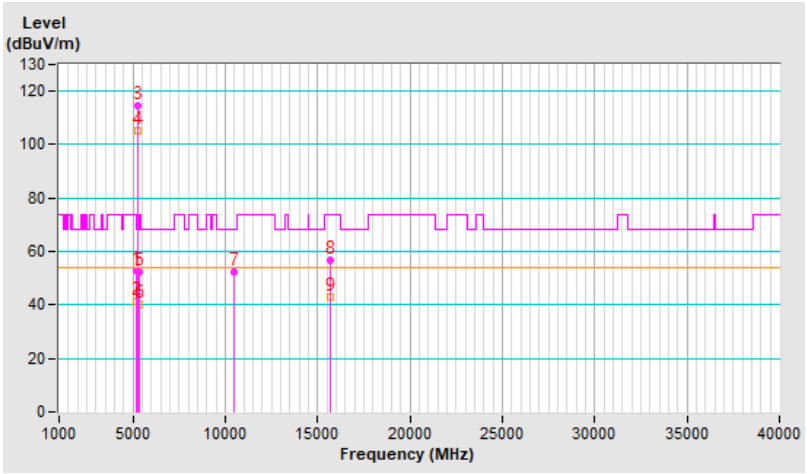


RF Mode	802.11a	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	53.1 PK	74.0	-20.9	2.98 V	86	50.4	2.7
2	5150.00	41.1 AV	54.0	-12.9	2.98 V	86	38.4	2.7
3	*5240.00	114.8 PK			2.98 V	86	112.8	2.0
4	*5240.00	105.1 AV			2.98 V	86	103.1	2.0
5	5350.00	52.2 PK	74.0	-21.8	2.98 V	86	50.0	2.2
6	5350.00	40.3 AV	54.0	-13.7	2.98 V	86	38.1	2.2
7	#10480.00	52.4 PK	68.2	-15.8	1.71 V	346	40.2	12.2
8	15720.00	56.6 PK	74.0	-17.4	2.55 V	281	44.9	11.7
9	15720.00	42.8 AV	54.0	-11.2	2.55 V	281	31.1	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.

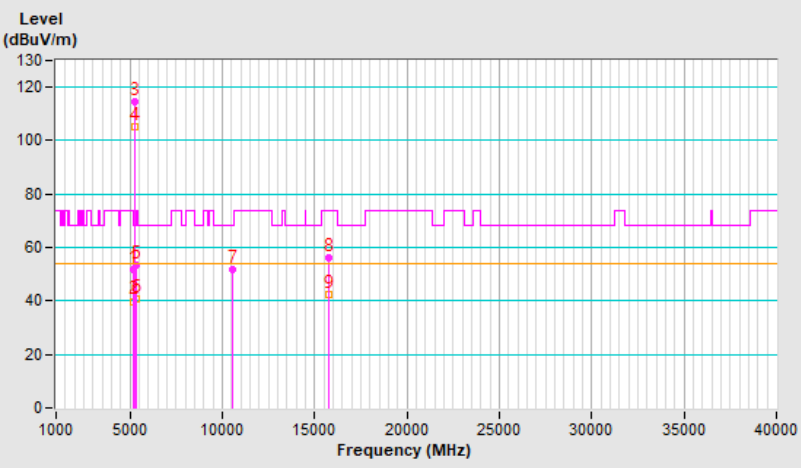


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.6 PK	74.0	-22.4	3.50 H	11	48.9	2.7
2	5150.00	39.9 AV	54.0	-14.1	3.50 H	11	37.2	2.7
3	*5260.00	114.4 PK			3.50 H	11	112.5	1.9
4	*5260.00	105.1 AV			3.50 H	11	103.2	1.9
5	5350.00	53.2 PK	74.0	-20.8	3.50 H	11	51.0	2.2
6	5350.00	40.9 AV	54.0	-13.1	3.50 H	11	38.7	2.2
7	#10520.00	52.0 PK	68.2	-16.2	2.21 H	295	39.9	12.1
8	15780.00	56.0 PK	74.0	-18.0	3.27 H	130	44.4	11.6
9	15780.00	42.6 AV	54.0	-11.4	3.27 H	130	31.0	11.6

Remarks:

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

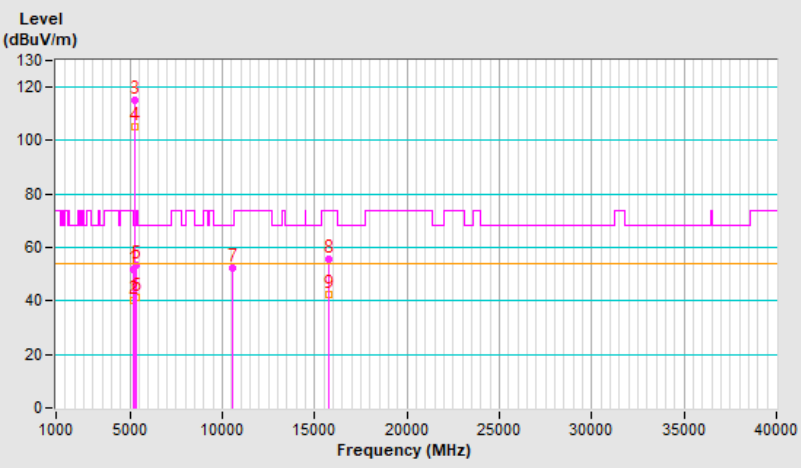


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.8 PK	74.0	-22.2	2.96 V	81	49.1	2.7
2	5150.00	40.1 AV	54.0	-13.9	2.96 V	81	37.4	2.7
3	*5260.00	115.0 PK			2.96 V	81	113.1	1.9
4	*5260.00	105.3 AV			2.96 V	81	103.4	1.9
5	5350.00	53.3 PK	74.0	-20.7	2.96 V	81	51.1	2.2
6	5350.00	41.2 AV	54.0	-12.8	2.96 V	81	39.0	2.2
7	#10520.00	52.2 PK	68.2	-16.0	1.68 V	350	40.1	12.1
8	15780.00	55.6 PK	74.0	-18.4	2.59 V	284	44.0	11.6
9	15780.00	42.3 AV	54.0	-11.7	2.59 V	284	30.7	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.
6. " # ": The radiated frequency is out of the restricted band.

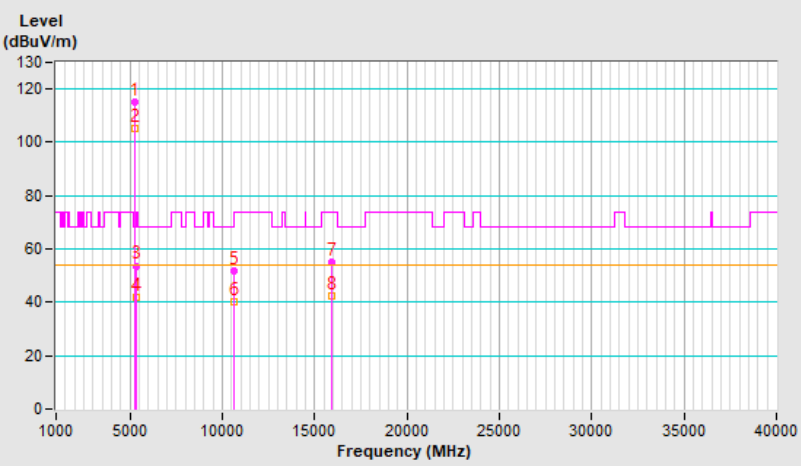


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	115.3 PK			3.52 H	26	113.5	1.8
2	*5300.00	105.4 AV			3.52 H	26	103.6	1.8
3	5350.00	53.7 PK	74.0	-20.3	3.52 H	26	51.5	2.2
4	5350.00	41.8 AV	54.0	-12.2	3.52 H	26	39.6	2.2
5	10600.00	51.8 PK	74.0	-22.2	1.92 H	277	39.5	12.3
6	10600.00	40.0 AV	54.0	-14.0	1.92 H	277	27.7	12.3
7	15900.00	55.0 PK	74.0	-19.0	3.23 H	127	43.8	11.2
8	15900.00	42.2 AV	54.0	-11.8	3.23 H	127	31.0	11.2

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.

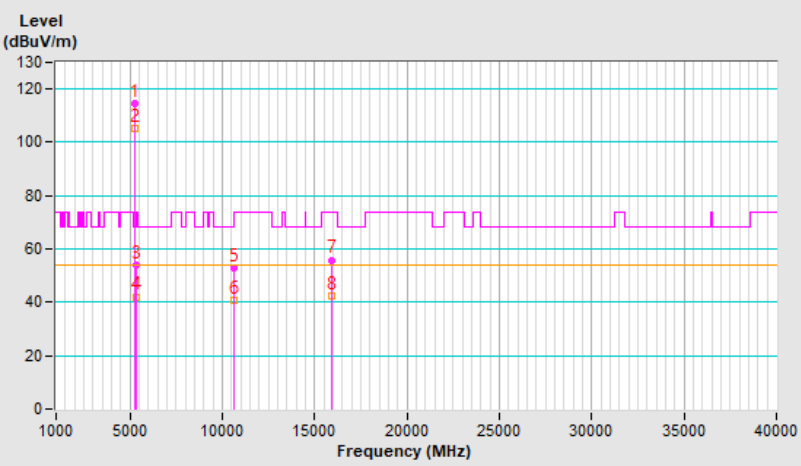


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	114.8 PK			2.96 V	83	113.0	1.8
2	*5300.00	105.3 AV			2.96 V	83	103.5	1.8
3	5350.00	54.2 PK	74.0	-19.8	2.96 V	83	52.0	2.2
4	5350.00	42.1 AV	54.0	-11.9	2.96 V	83	39.9	2.2
5	10600.00	52.7 PK	74.0	-21.3	1.74 V	342	40.4	12.3
6	10600.00	40.6 AV	54.0	-13.4	1.74 V	342	28.3	12.3
7	15900.00	55.9 PK	74.0	-18.1	2.49 V	290	44.7	11.2
8	15900.00	42.5 AV	54.0	-11.5	2.49 V	290	31.3	11.2

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.

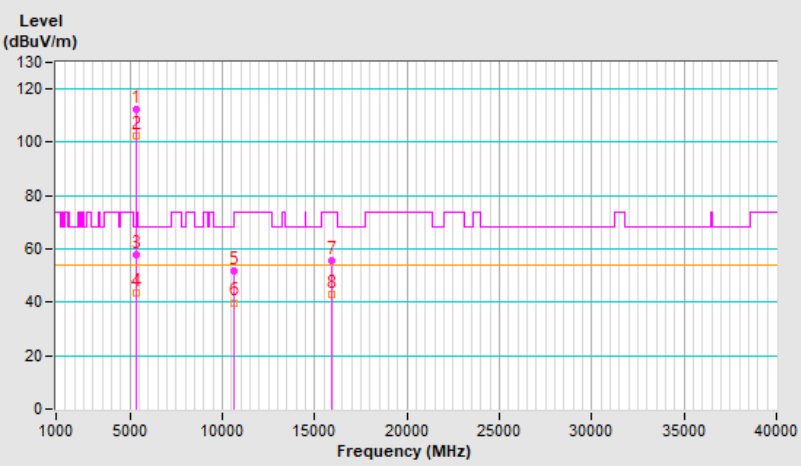


RF Mode	802.11a	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5320.00	112.3 PK			2.69 H	21	110.3	2.0
2	*5320.00	102.3 AV			2.69 H	21	100.3	2.0
3	5350.00	57.8 PK	74.0	-16.2	2.69 H	21	55.6	2.2
4	5350.00	43.7 AV	54.0	-10.3	2.69 H	21	41.5	2.2
5	10640.00	51.8 PK	74.0	-22.2	1.93 H	262	39.5	12.3
6	10640.00	39.9 AV	54.0	-14.1	1.93 H	262	27.6	12.3
7	15960.00	55.6 PK	74.0	-18.4	3.29 H	112	44.1	11.5
8	15960.00	42.8 AV	54.0	-11.2	3.29 H	112	31.3	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.

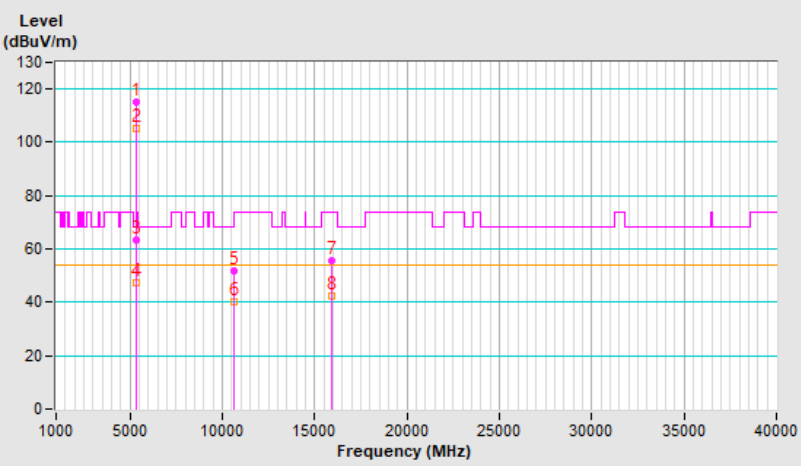


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.0 PK			2.93 V	87	113.0	2.0
2	*5320.00	105.4 AV			2.93 V	87	103.4	2.0
3	5350.00	63.2 PK	74.0	-10.8	2.93 V	87	61.0	2.2
4	5350.00	47.5 AV	54.0	-6.5	2.93 V	87	45.3	2.2
5	10640.00	51.9 PK	74.0	-22.1	1.77 V	359	39.6	12.3
6	10640.00	40.0 AV	54.0	-14.0	1.77 V	359	27.7	12.3
7	15960.00	55.8 PK	74.0	-18.2	2.61 V	274	44.3	11.5
8	15960.00	42.5 AV	54.0	-11.5	2.61 V	274	31.0	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.

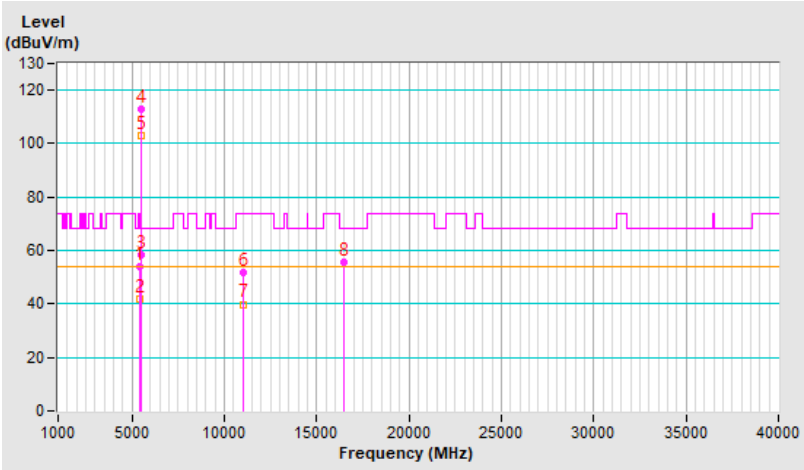


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.9 PK	74.0	-20.1	2.65 H	22	51.6	2.3
2	5460.00	41.8 AV	54.0	-12.2	2.65 H	22	39.5	2.3
3	#5467.00	58.3 PK	68.2	-9.9	2.65 H	22	56.0	2.3
4	*5500.00	112.9 PK			2.65 H	22	110.7	2.2
5	*5500.00	103.2 AV			2.65 H	22	101.0	2.2
6	11000.00	51.7 PK	74.0	-22.3	1.88 H	275	38.7	13.0
7	11000.00	39.9 AV	54.0	-14.1	1.88 H	275	26.9	13.0
8	#16500.00	55.6 PK	68.2	-12.6	3.21 H	113	41.7	13.9

Remarks:

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

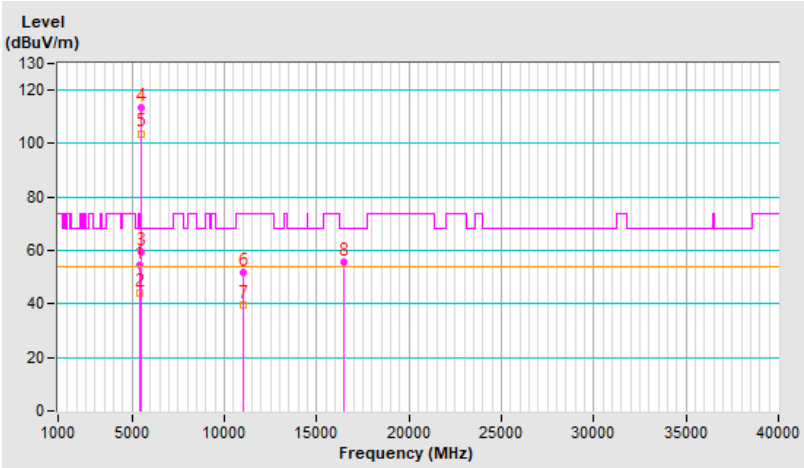


RF Mode	802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	54.7 PK	74.0	-19.3	2.75 V	70	52.4	2.3
2	5460.00	44.2 AV	54.0	-9.8	2.75 V	70	41.9	2.3
3	#5470.00	59.6 PK	68.2	-8.6	2.75 V	70	57.3	2.3
4	*5500.00	113.5 PK			2.75 V	70	111.3	2.2
5	*5500.00	103.8 AV			2.75 V	70	101.6	2.2
6	11000.00	52.0 PK	74.0	-22.0	1.66 V	360	39.0	13.0
7	11000.00	39.8 AV	54.0	-14.2	1.66 V	360	26.8	13.0
8	#16500.00	55.6 PK	68.2	-12.6	2.51 V	279	41.7	13.9

Remarks:

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

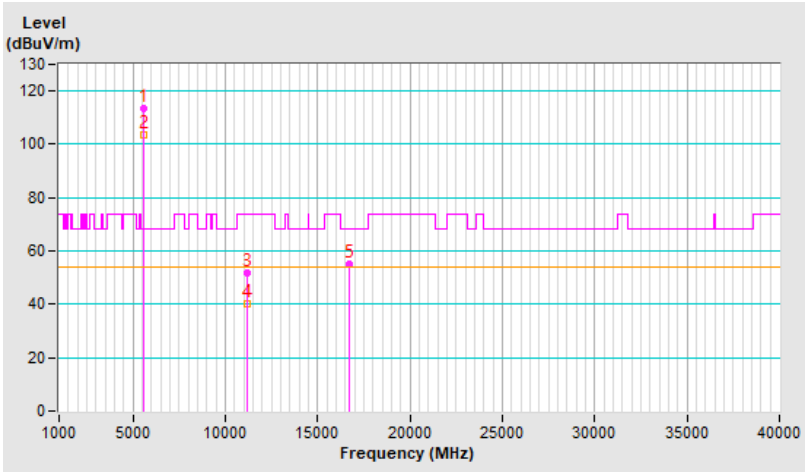


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5580.00	113.3 PK			3.56 H	52	111.1	2.2
2	*5580.00	103.4 AV			3.56 H	52	101.2	2.2
3	11160.00	52.0 PK	74.0	-22.0	1.90 H	289	39.0	13.0
4	11160.00	40.0 AV	54.0	-14.0	1.90 H	289	27.0	13.0
5	#16740.00	55.3 PK	68.2	-12.9	3.25 H	124	38.9	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.

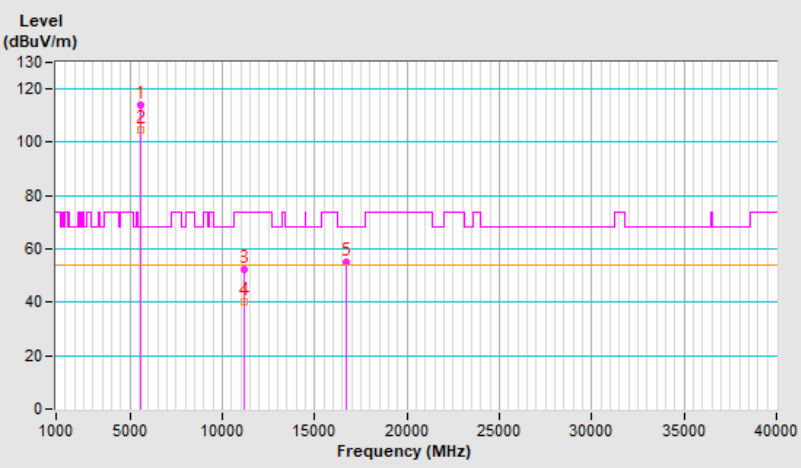


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5580.00	114.2 PK			2.72 V	58	112.0	2.2
2	*5580.00	104.6 AV			2.72 V	58	102.4	2.2
3	11160.00	52.1 PK	74.0	-21.9	1.71 V	352	39.1	13.0
4	11160.00	40.0 AV	54.0	-14.0	1.71 V	352	27.0	13.0
5	#16740.00	55.0 PK	68.2	-13.2	2.50 V	297	38.6	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.

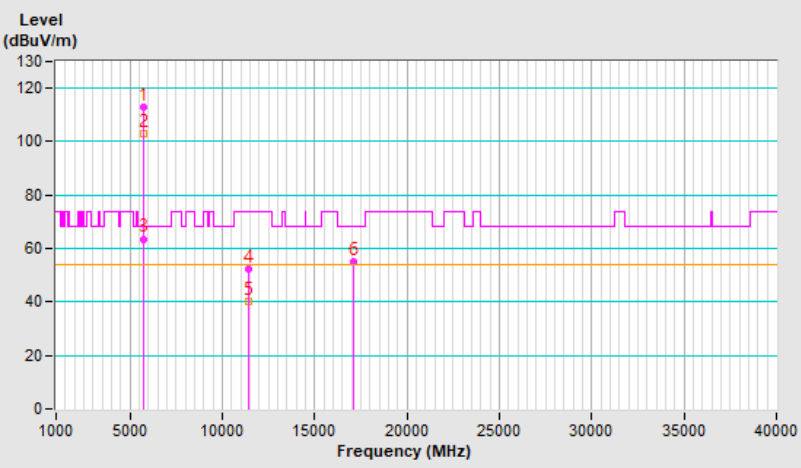


RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	112.8 PK			3.59 H	40	110.4	2.4
2	*5700.00	103.0 AV			3.59 H	40	100.6	2.4
3	#5725.00	63.6 PK	68.2	-4.6	3.59 H	40	61.2	2.4
4	11400.00	52.3 PK	74.0	-21.7	1.97 H	291	39.2	13.1
5	11400.00	40.2 AV	54.0	-13.8	1.97 H	291	27.1	13.1
6	#17100.00	55.0 PK	68.2	-13.2	3.21 H	121	37.7	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.

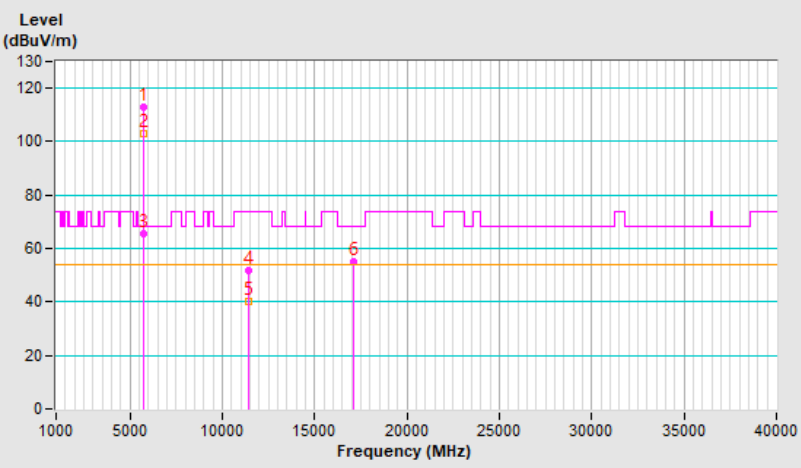


RF Mode	802.11a	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	113.0 PK			2.53 V	73	110.6	2.4
2	*5700.00	103.1 AV			2.53 V	73	100.7	2.4
3	#5725.00	65.7 PK	68.2	-2.5	2.53 V	73	63.3	2.4
4	11400.00	52.0 PK	74.0	-22.0	1.77 V	337	38.9	13.1
5	11400.00	40.2 AV	54.0	-13.8	1.77 V	337	27.1	13.1
6	#17100.00	55.1 PK	68.2	-13.1	2.49 V	282	37.8	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.

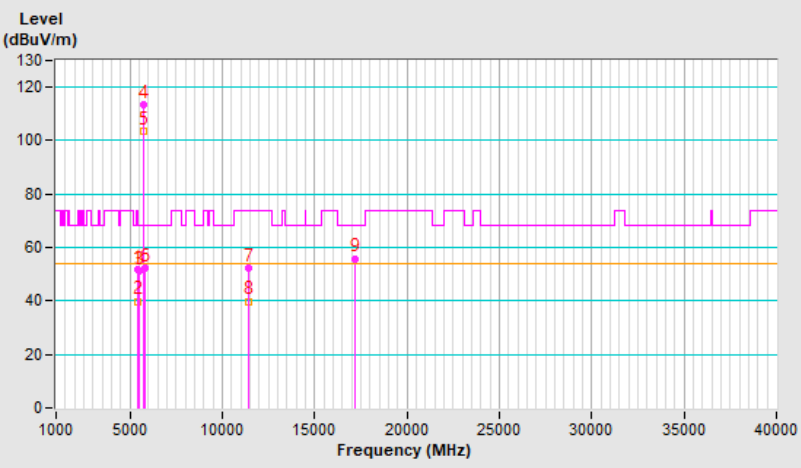


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.8 PK	74.0	-22.2	3.61 H	51	49.5	2.3
2	5460.00	39.9 AV	54.0	-14.1	3.61 H	51	37.6	2.3
3	#5470.00	51.0 PK	68.2	-17.2	3.61 H	51	48.7	2.3
4	*5720.00	113.2 PK			3.61 H	51	110.8	2.4
5	*5720.00	103.3 AV			3.61 H	51	100.9	2.4
6	#5850.00	52.4 PK	68.2	-15.8	3.61 H	51	49.5	2.9
7	11440.00	52.4 PK	74.0	-21.6	1.87 H	280	39.4	13.0
8	11440.00	39.9 AV	54.0	-14.1	1.87 H	280	26.9	13.0
9	#17160.00	55.9 PK	68.2	-12.3	3.23 H	126	38.5	17.4

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.

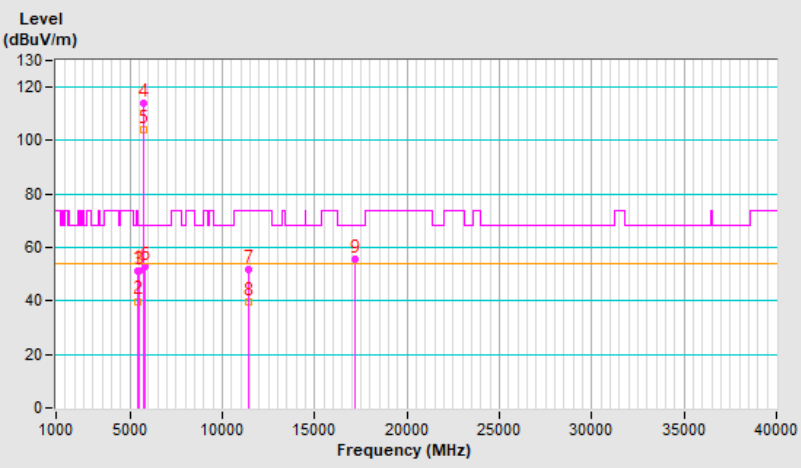


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.5 PK	74.0	-22.5	2.97 V	50	49.2	2.3
2	5460.00	39.9 AV	54.0	-14.1	2.97 V	50	37.6	2.3
3	#5470.00	51.2 PK	68.2	-17.0	2.97 V	50	48.9	2.3
4	*5720.00	113.9 PK			2.97 V	50	111.5	2.4
5	*5720.00	104.2 AV			2.97 V	50	101.8	2.4
6	#5850.00	52.9 PK	68.2	-15.3	2.97 V	50	50.0	2.9
7	11440.00	51.9 PK	74.0	-22.1	1.69 V	348	38.9	13.0
8	11440.00	39.8 AV	54.0	-14.2	1.69 V	348	26.8	13.0
9	#17160.00	55.8 PK	68.2	-12.4	2.50 V	272	38.4	17.4

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.

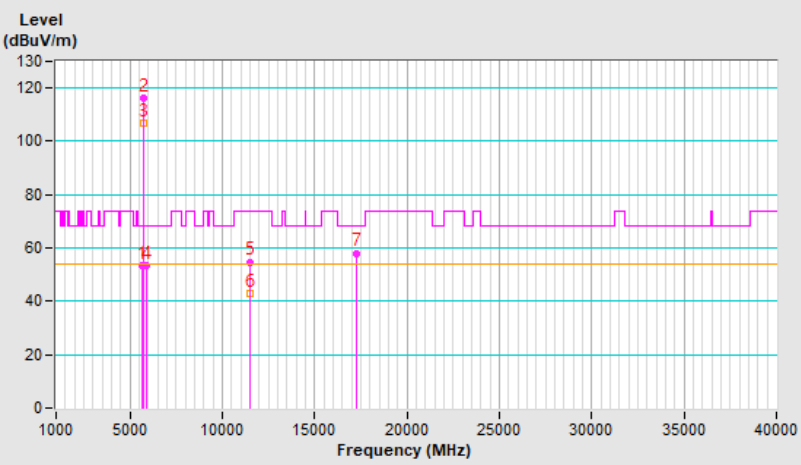


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	53.2 PK	68.2	-15.0	2.70 H	40	51.1	2.1
2	*5745.00	116.3 PK			2.70 H	40	113.8	2.5
3	*5745.00	106.9 AV			2.70 H	40	104.4	2.5
4	#5925.00	53.4 PK	68.2	-14.8	2.70 H	40	50.7	2.7
5	11490.00	54.8 PK	74.0	-19.2	1.88 H	276	41.7	13.1
6	11490.00	42.8 AV	54.0	-11.2	1.88 H	276	29.7	13.1
7	#17235.00	58.1 PK	68.2	-10.1	3.17 H	114	40.5	17.6

Remarks:

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

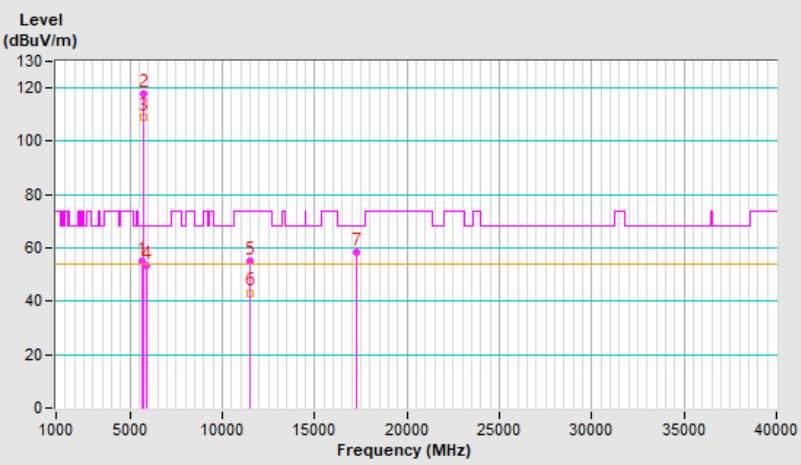


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	55.0 PK	68.2	-13.2	2.92 V	61	52.9	2.1
2	*5745.00	117.9 PK			2.92 V	61	115.4	2.5
3	*5745.00	108.9 AV			2.92 V	61	106.4	2.5
4	#5925.00	53.2 PK	68.2	-15.0	2.92 V	61	50.5	2.7
5	11490.00	55.2 PK	74.0	-18.8	1.73 V	355	42.1	13.1
6	11490.00	43.2 AV	54.0	-10.8	1.73 V	355	30.1	13.1
7	#17235.00	58.5 PK	68.2	-9.7	2.59 V	295	40.9	17.6

Remarks:

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

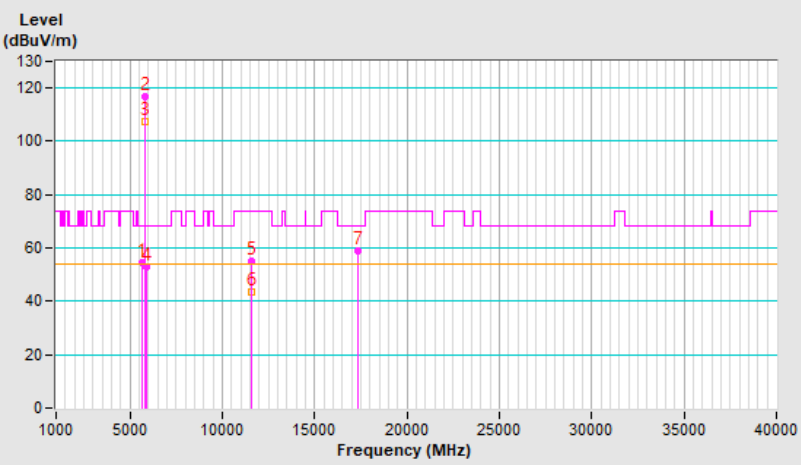


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	54.3 PK	68.2	-13.9	2.65 H	31	52.2	2.1
2	*5785.00	116.9 PK			2.65 H	31	114.1	2.8
3	*5785.00	107.4 AV			2.65 H	31	104.6	2.8
4	#5925.00	53.1 PK	68.2	-15.1	2.65 H	31	50.4	2.7
5	11570.00	55.1 PK	74.0	-18.9	1.90 H	293	42.1	13.0
6	11570.00	43.4 AV	54.0	-10.6	1.90 H	293	30.4	13.0
7	#17355.00	58.8 PK	68.2	-9.4	3.25 H	127	40.9	17.9

Remarks:

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

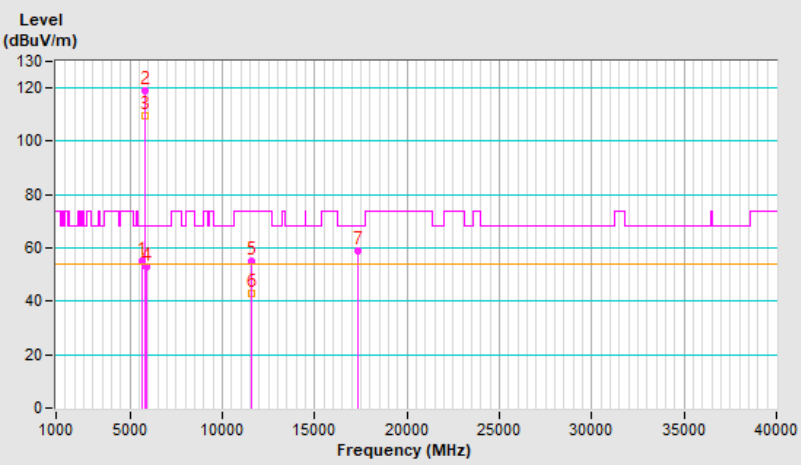


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	55.3 PK	68.2	-12.9	2.99 V	49	53.2	2.1
2	*5785.00	118.9 PK			2.99 V	49	116.1	2.8
3	*5785.00	109.7 AV			2.99 V	49	106.9	2.8
4	#5925.00	53.1 PK	68.2	-15.1	2.99 V	49	50.4	2.7
5	11570.00	55.0 PK	74.0	-19.0	1.68 V	338	42.0	13.0
6	11570.00	43.1 AV	54.0	-10.9	1.68 V	338	30.1	13.0
7	#17355.00	58.8 PK	68.2	-9.4	2.52 V	283	40.9	17.9

Remarks:

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

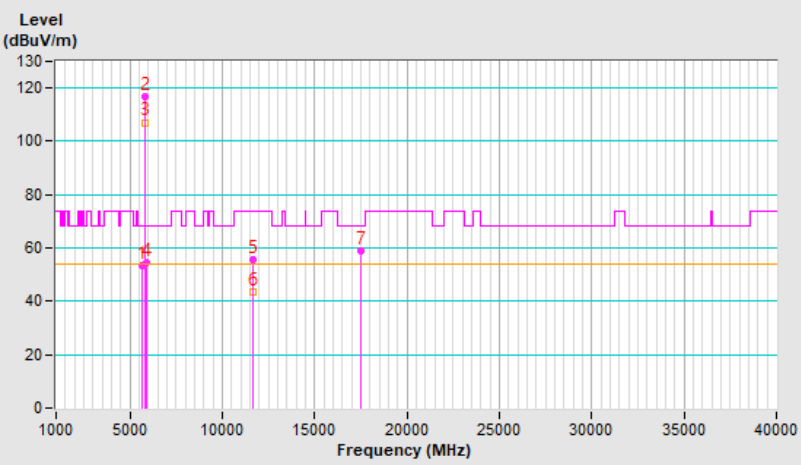


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	53.6 PK	68.2	-14.6	2.64 H	37	51.5	2.1
2	*5825.00	116.6 PK			2.64 H	37	113.7	2.9
3	*5825.00	107.1 AV			2.64 H	37	104.2	2.9
4	#5925.00	54.6 PK	68.2	-13.6	2.64 H	37	51.9	2.7
5	11650.00	55.5 PK	74.0	-18.5	1.98 H	288	42.7	12.8
6	11650.00	43.3 AV	54.0	-10.7	1.98 H	288	30.5	12.8
7	#17475.00	58.7 PK	68.2	-9.5	3.20 H	138	40.2	18.5

Remarks:

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

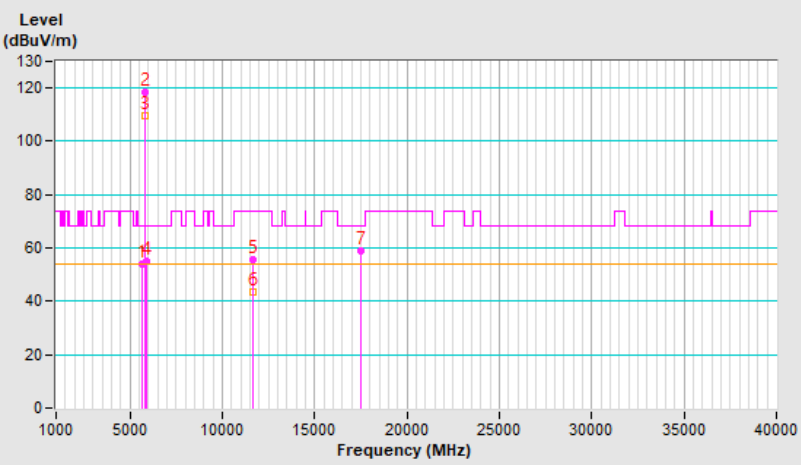


RF Mode	802.11a	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 67 % RH
Tested By	Sampson Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5650.00	54.0 PK	68.2	-14.2	2.94 V	45	51.9	2.1
2	*5825.00	118.6 PK			2.94 V	45	115.7	2.9
3	*5825.00	109.4 AV			2.94 V	45	106.5	2.9
4	#5925.00	55.1 PK	68.2	-13.1	2.94 V	45	52.4	2.7
5	11650.00	55.6 PK	74.0	-18.4	1.76 V	346	42.8	12.8
6	11650.00	43.4 AV	54.0	-10.6	1.76 V	346	30.6	12.8
7	#17475.00	58.8 PK	68.2	-9.4	2.54 V	293	40.3	18.5

Remarks:

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



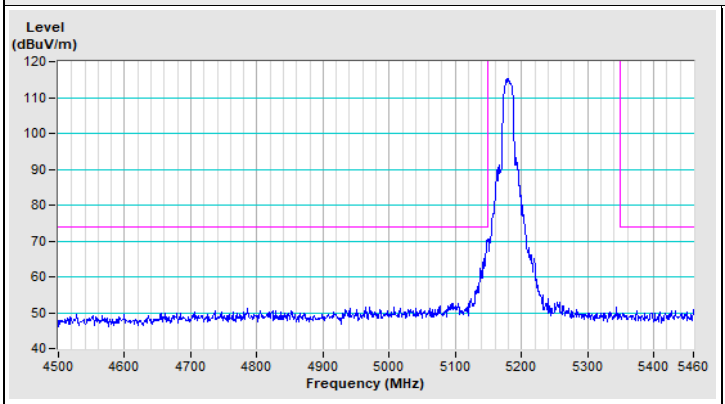
Plot of Band Edge

Mode A

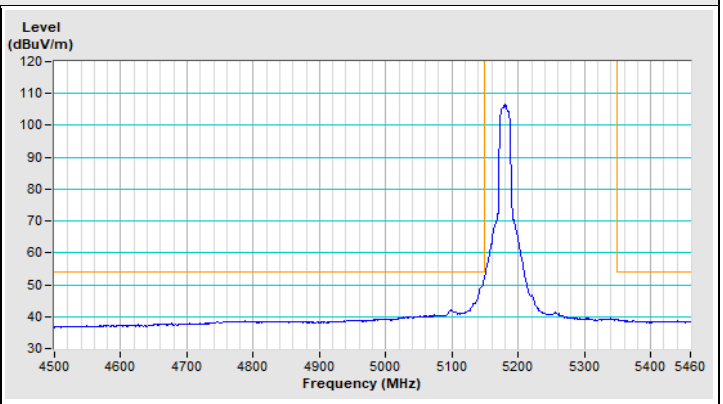
2TX

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

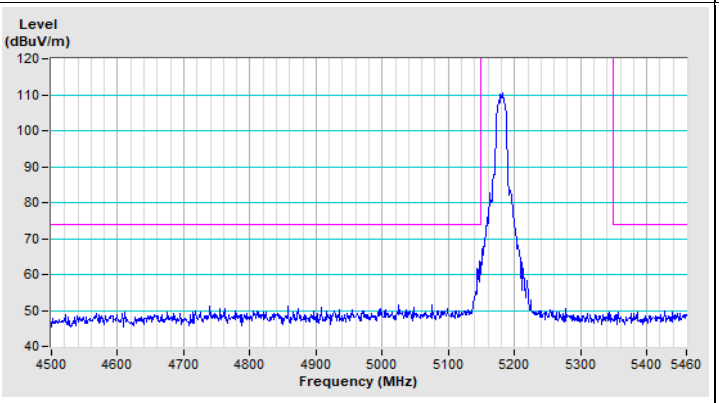
802.11a Channel 36



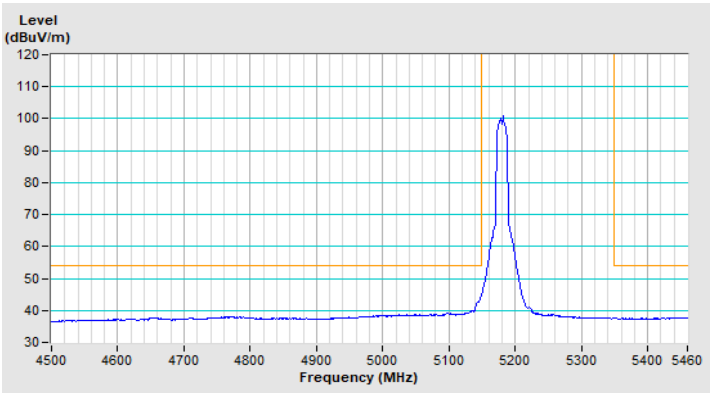
Horizontal (Peak)



Horizontal (Average)

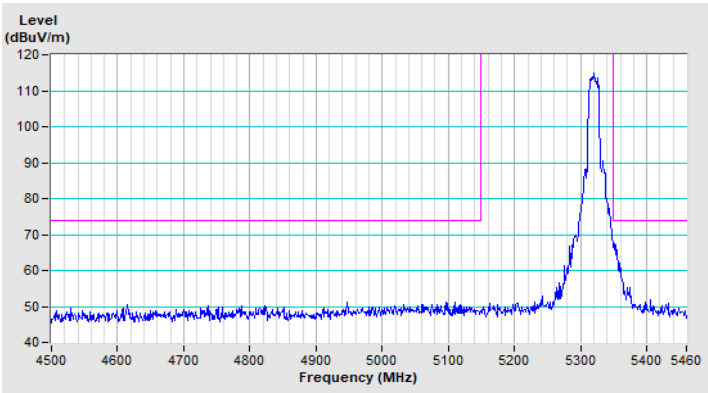


Vertical (Peak)

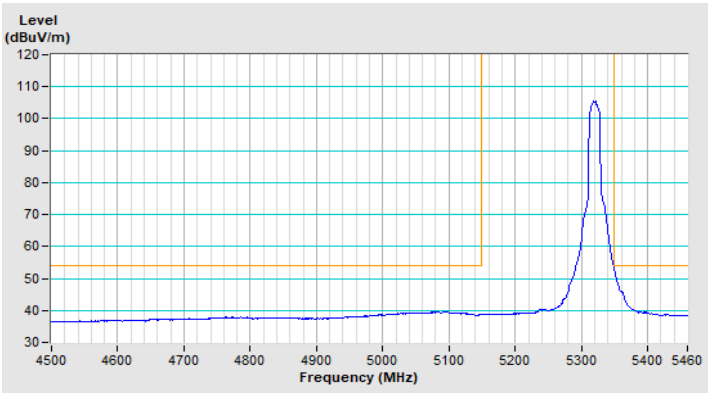


Vertical (Average)

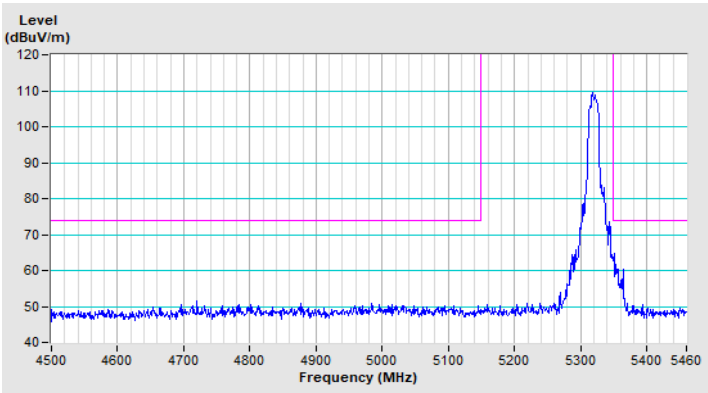
802.11a Channel 64



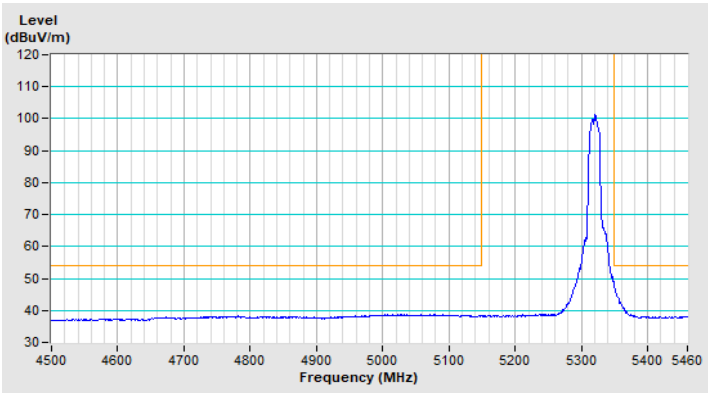
Horizontal (Peak)



Horizontal (Average)



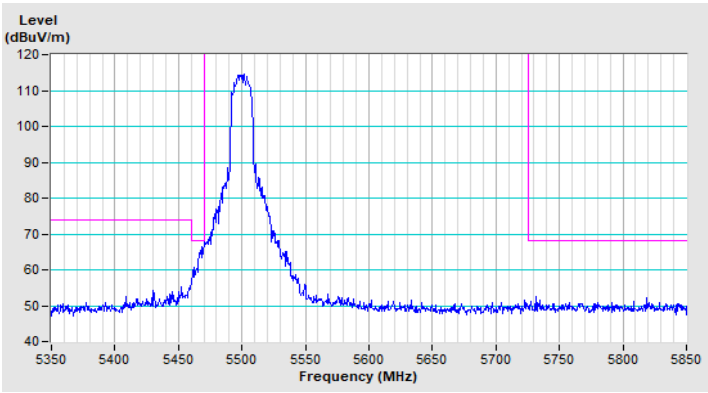
Vertical (Peak)



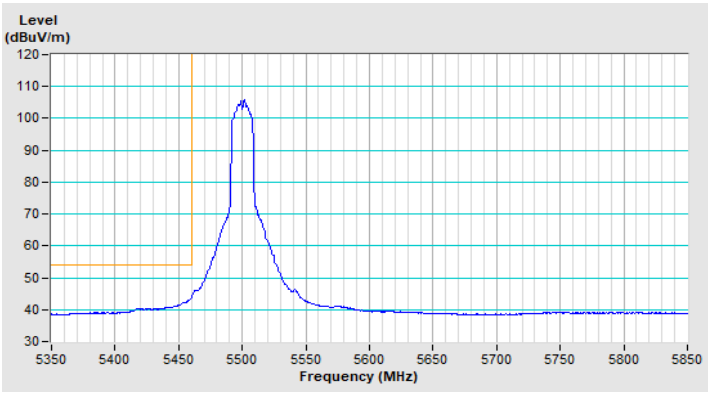
Vertical (Average)

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=10 Hz, DET=Peak

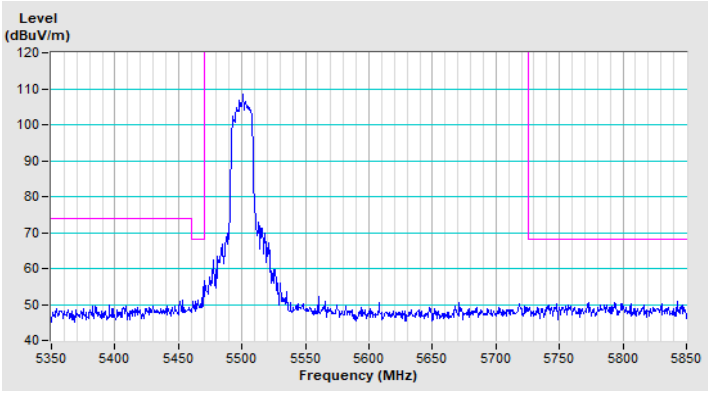
802.11a Channel 100



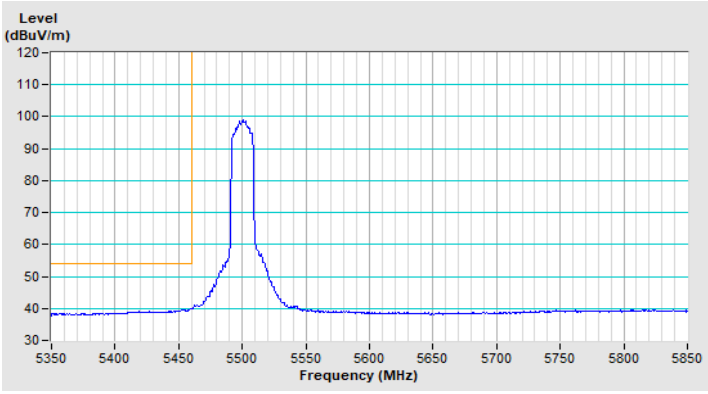
Horizontal (Peak)



Horizontal (Average)



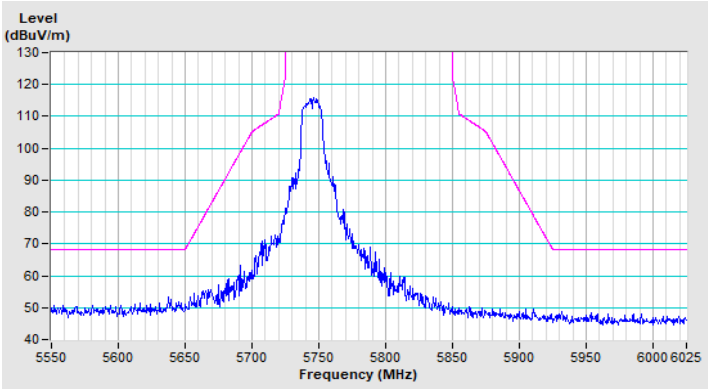
Vertical (Peak)



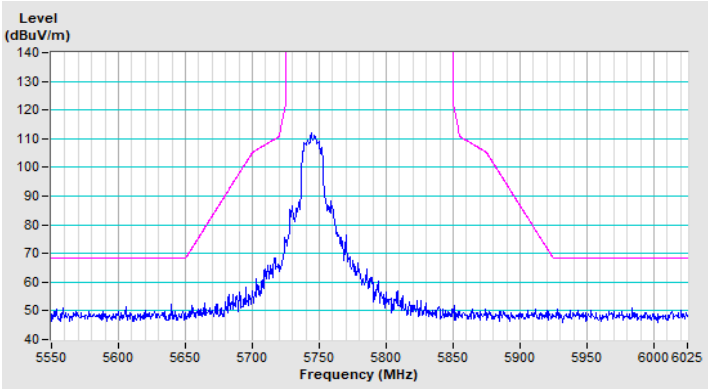
Vertical (Average)

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

802.11a Channel 149

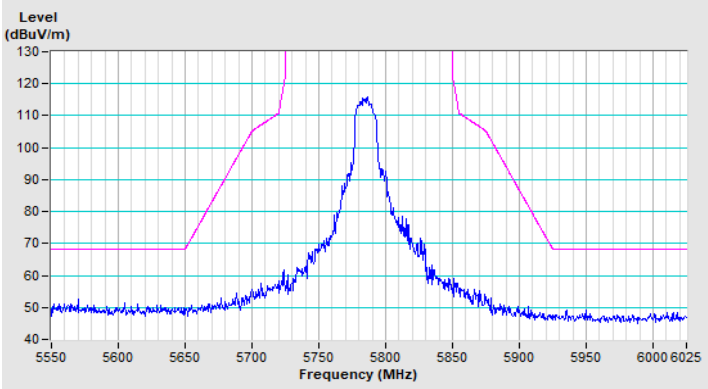


Horizontal (Peak)

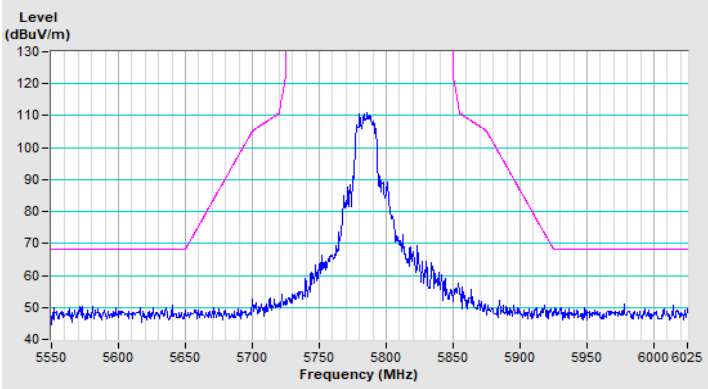


Vertical (Peak)

802.11a Channel 157

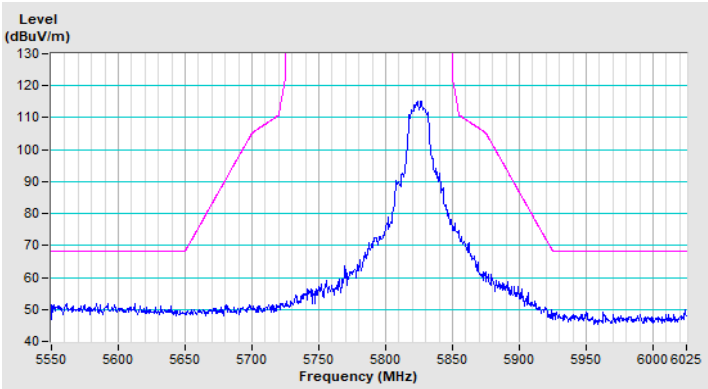


Horizontal (Peak)

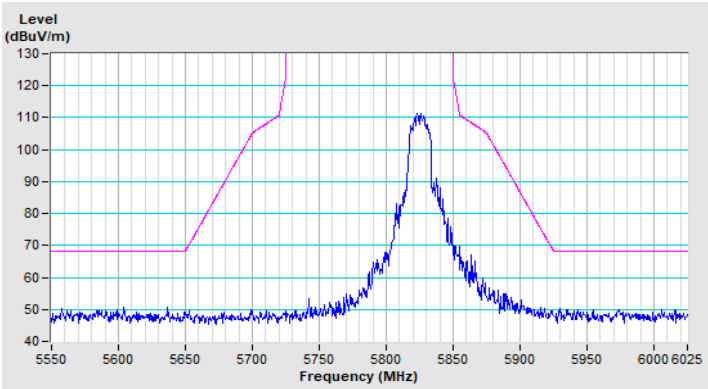


Vertical (Peak)

802.11a Channel 165



Horizontal (Peak)



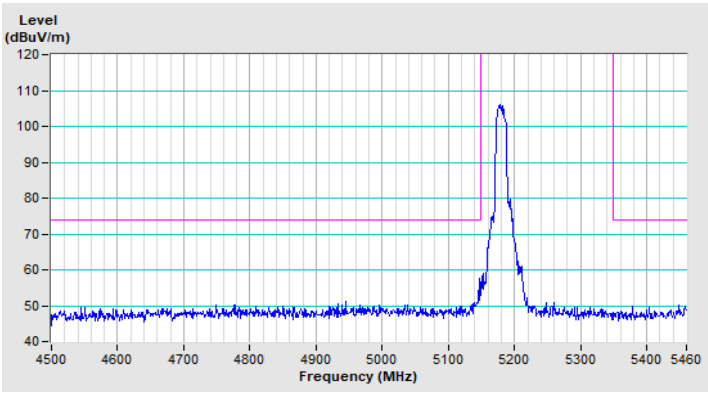
Vertical (Peak)

Mode B

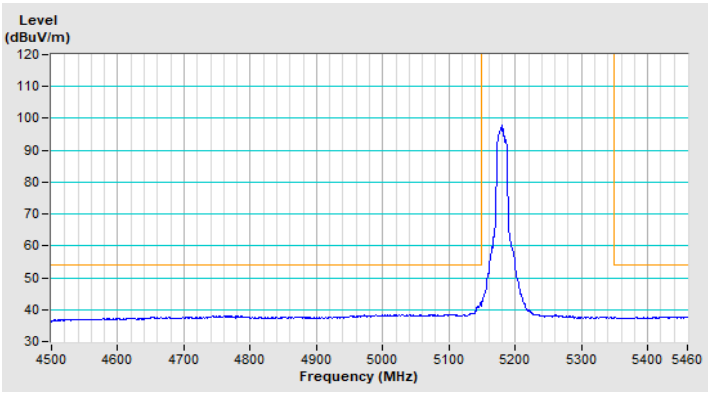
2TX

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

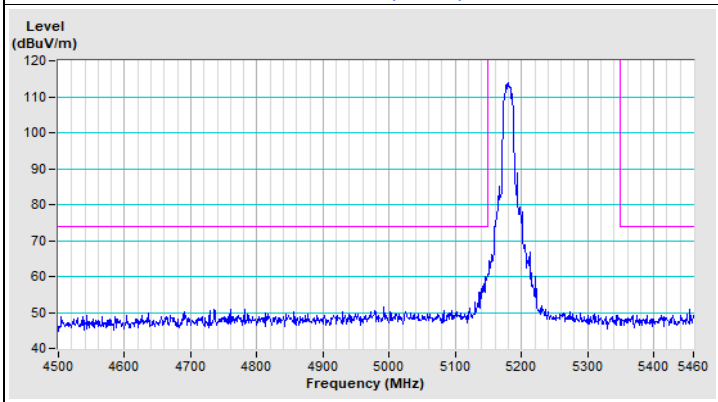
802.11a Channel 36



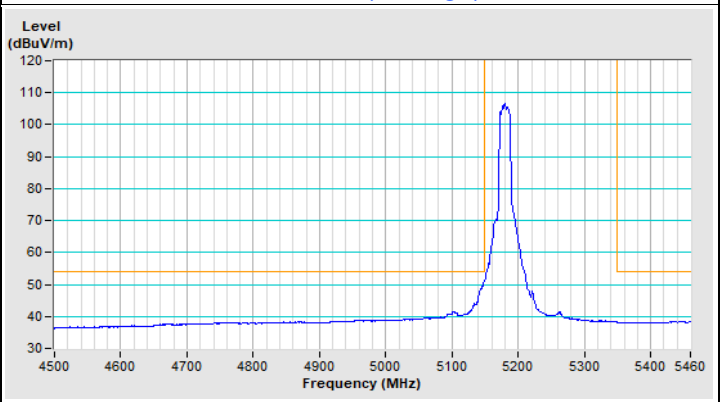
Horizontal (Peak)



Horizontal (Average)

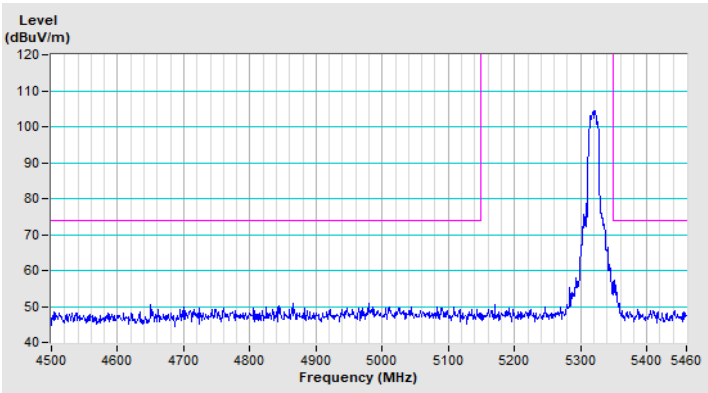


Vertical (Peak)

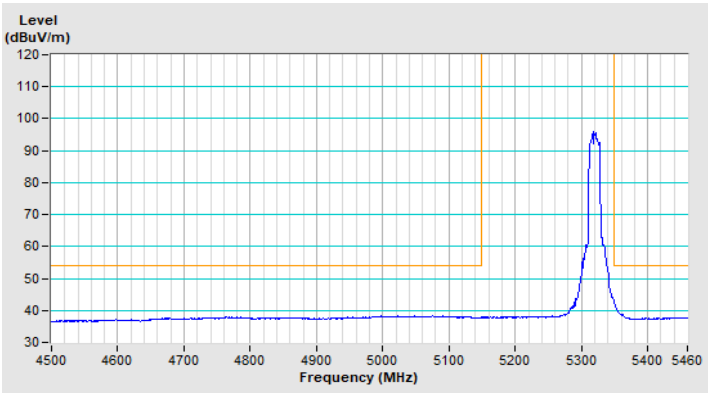


Vertical (Average)

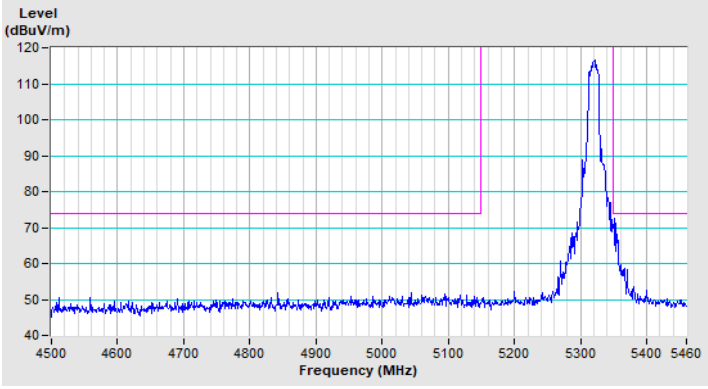
802.11a Channel 64



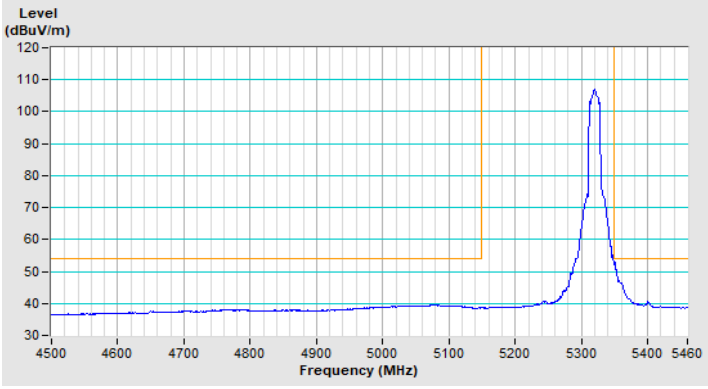
Horizontal (Peak)



Horizontal (Average)



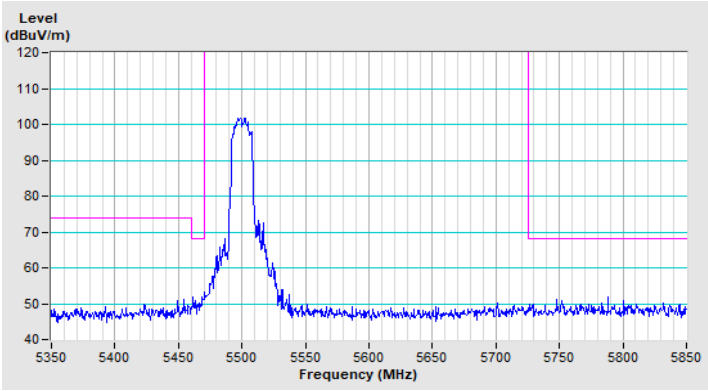
Vertical (Peak)



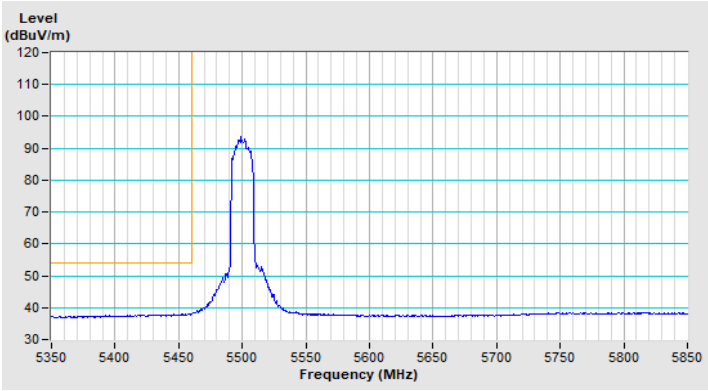
Vertical (Average)

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=10 Hz, DET=Peak

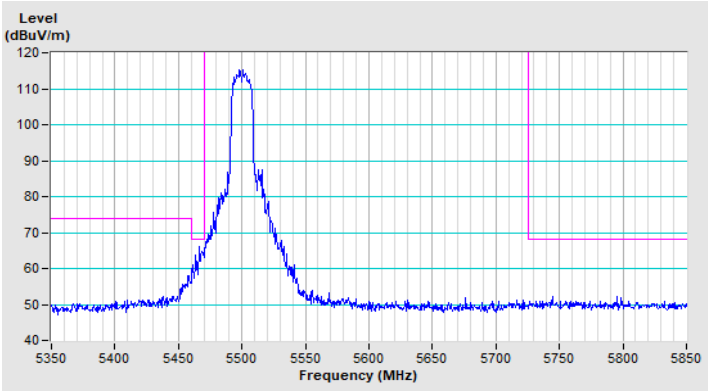
802.11a Channel 100



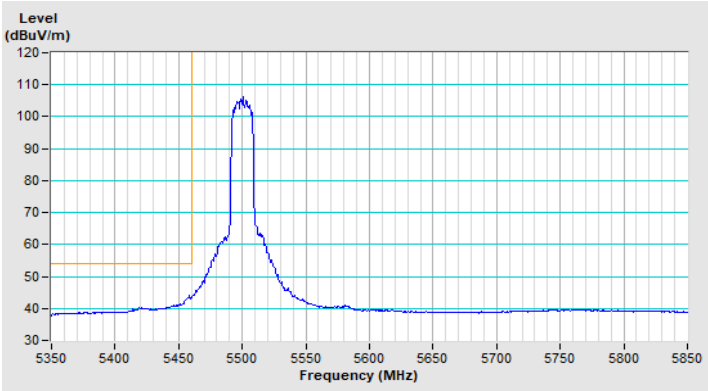
Horizontal (Peak)



Horizontal (Average)



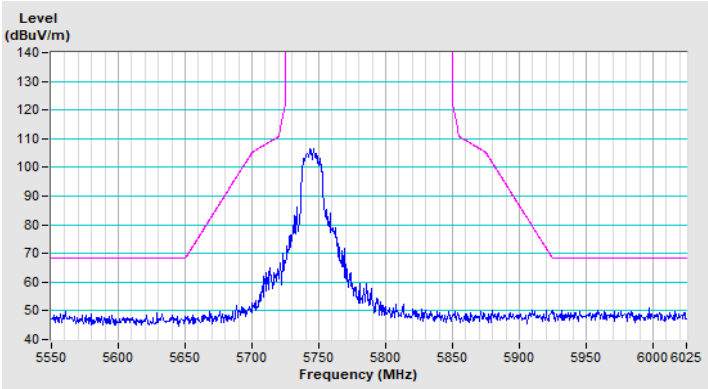
Vertical (Peak)



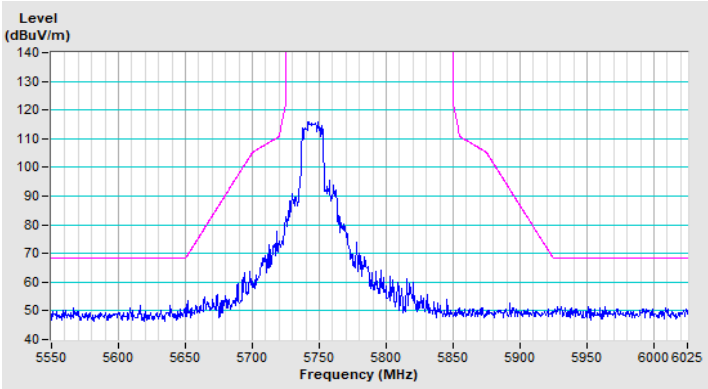
Vertical (Average)

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

802.11a Channel 149

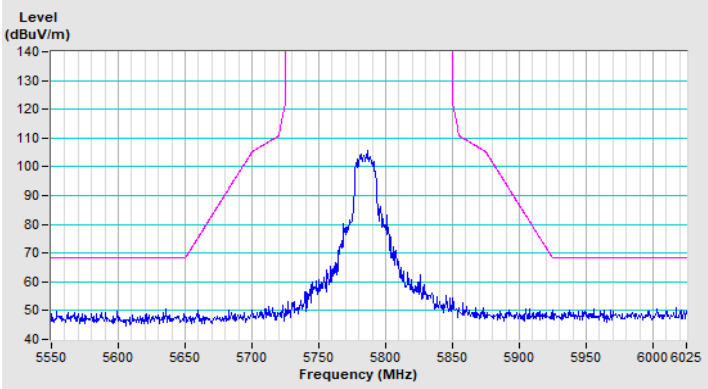


Horizontal (Peak)

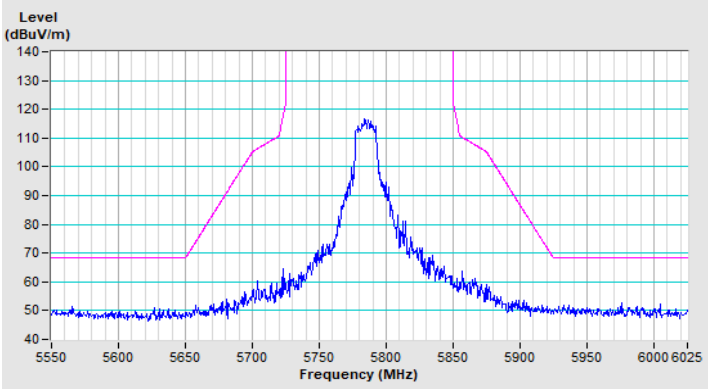


Vertical (Peak)

802.11a Channel 157

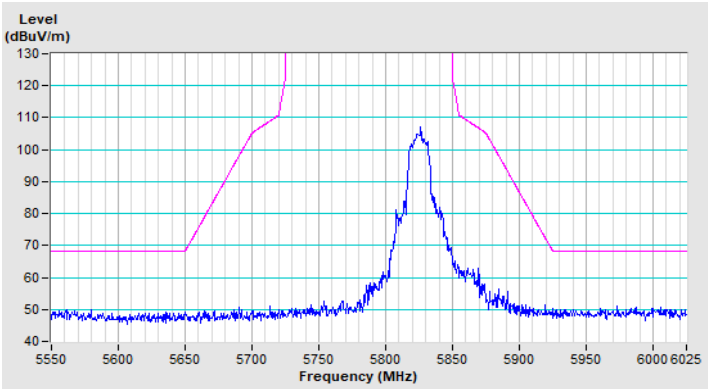


Horizontal (Peak)

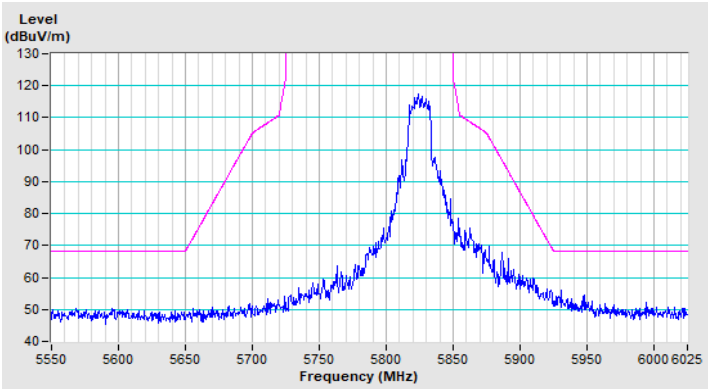


Vertical (Peak)

802.11a Channel 165



Horizontal (Peak)



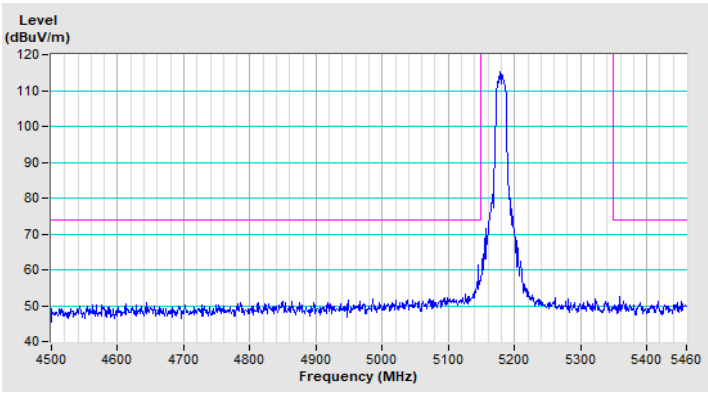
Vertical (Peak)

Mode C

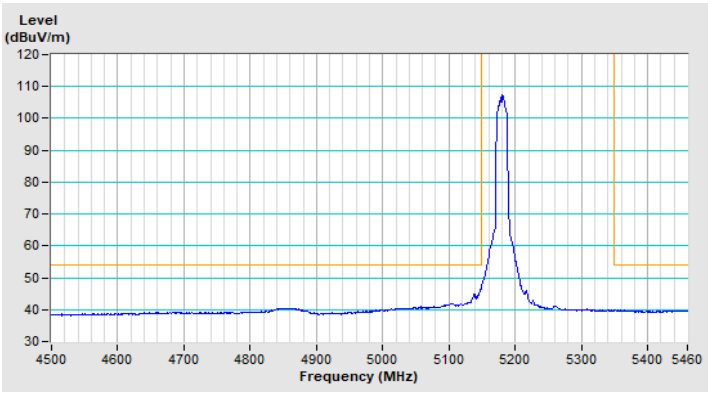
2TX

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

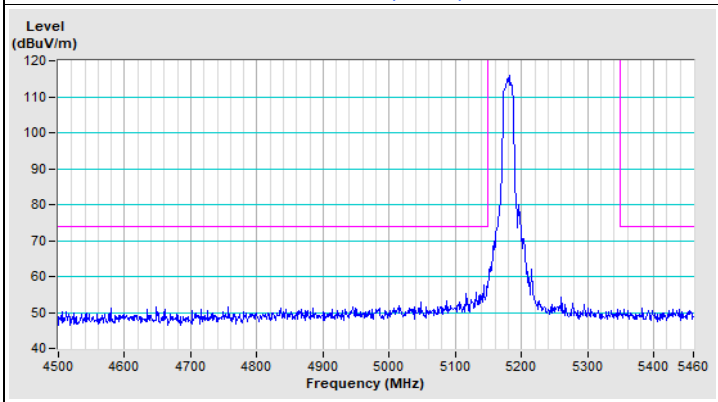
802.11a Channel 36



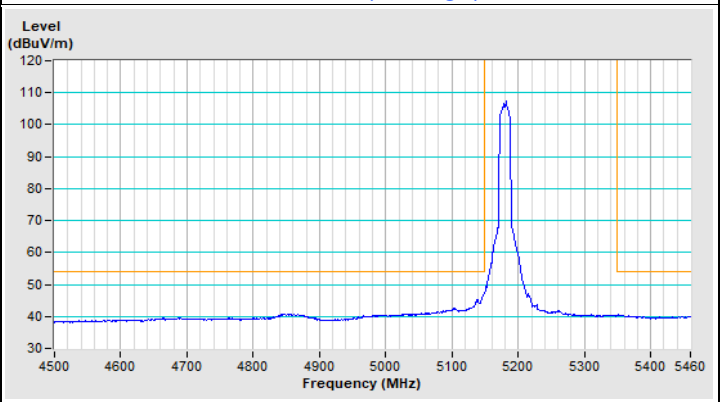
Horizontal (Peak)



Horizontal (Average)

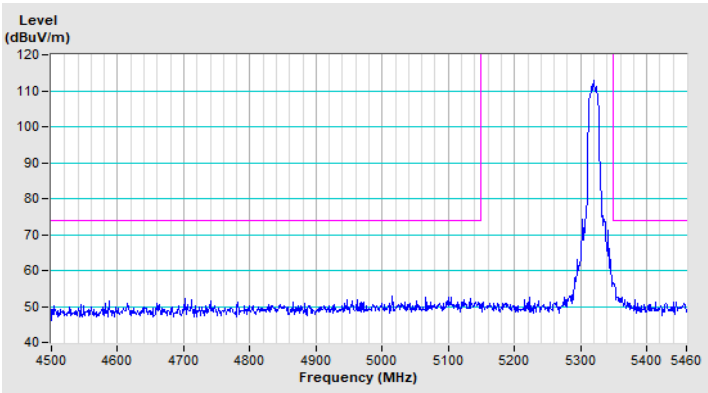


Vertical (Peak)

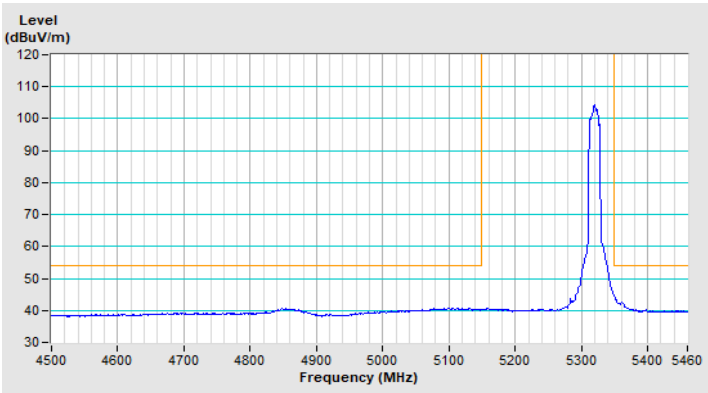


Vertical (Average)

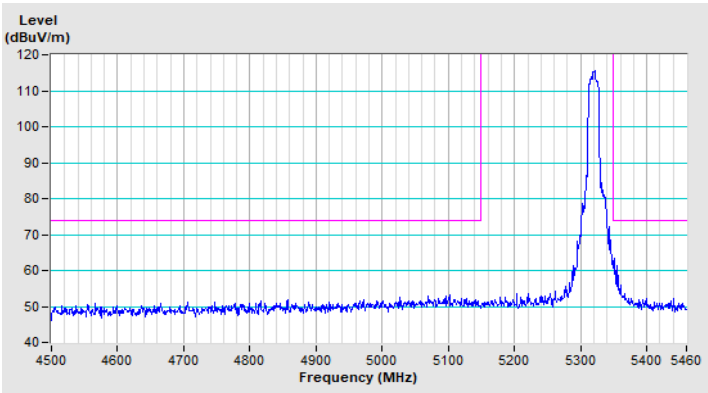
802.11a Channel 64



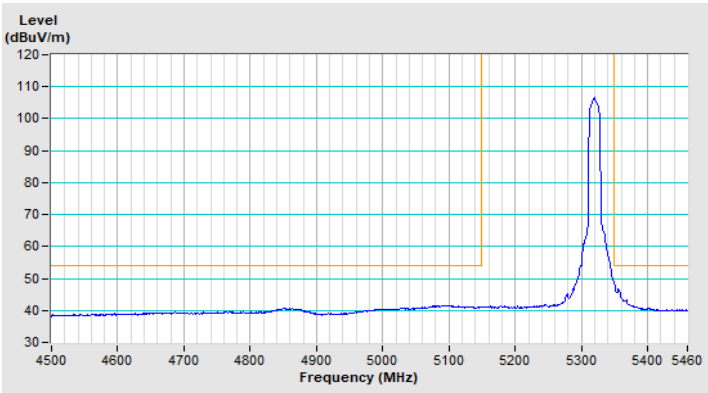
Horizontal (Peak)



Horizontal (Average)



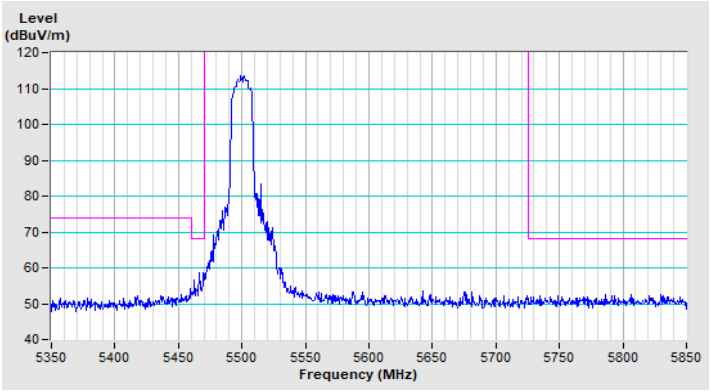
Vertical (Peak)



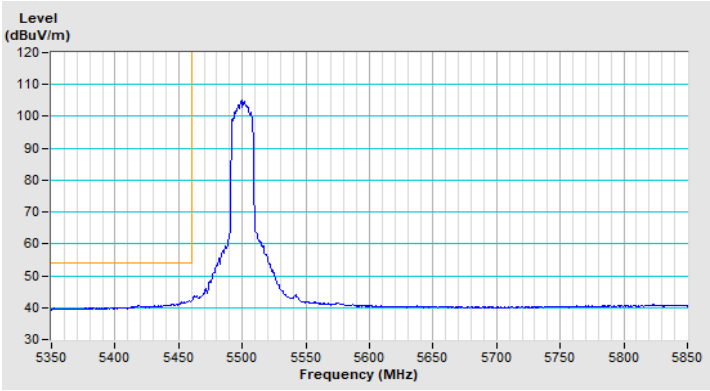
Vertical (Average)

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=10 Hz, DET=Peak

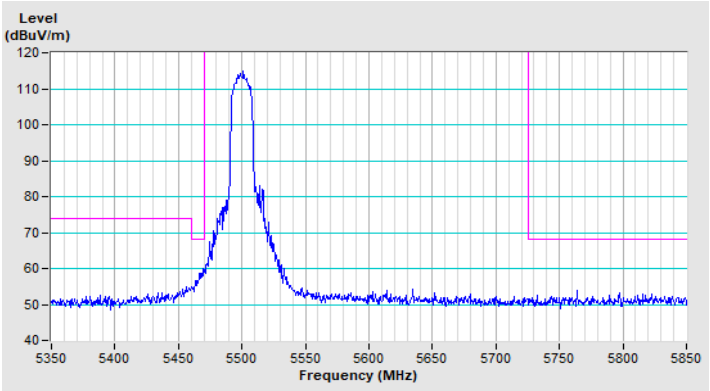
802.11a Channel 100



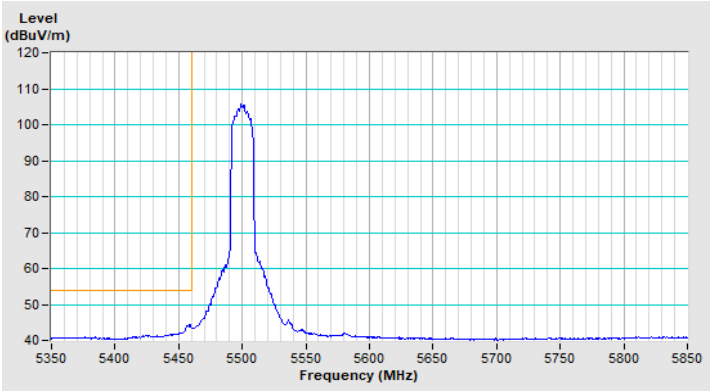
Horizontal (Peak)



Horizontal (Average)



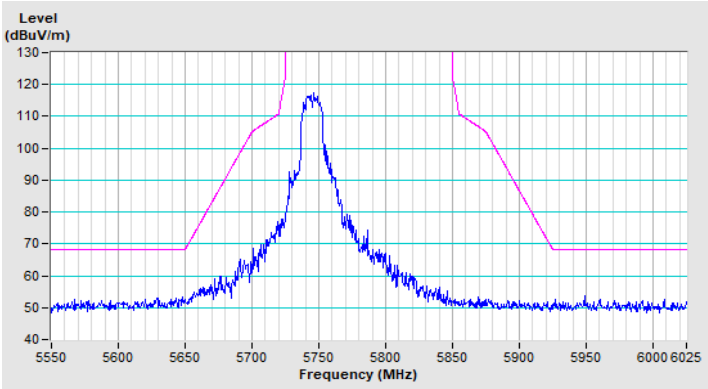
Vertical (Peak)



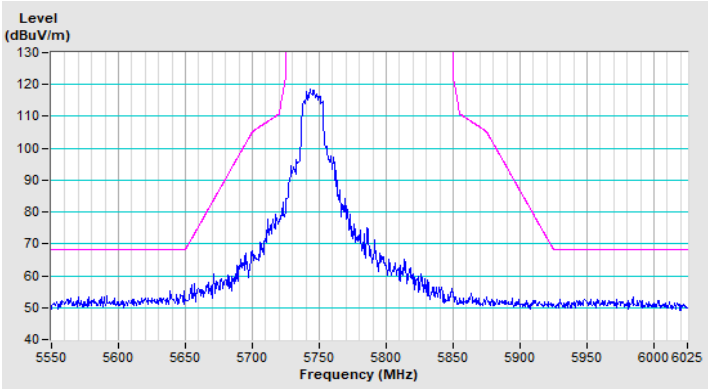
Vertical (Average)

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

802.11a Channel 149

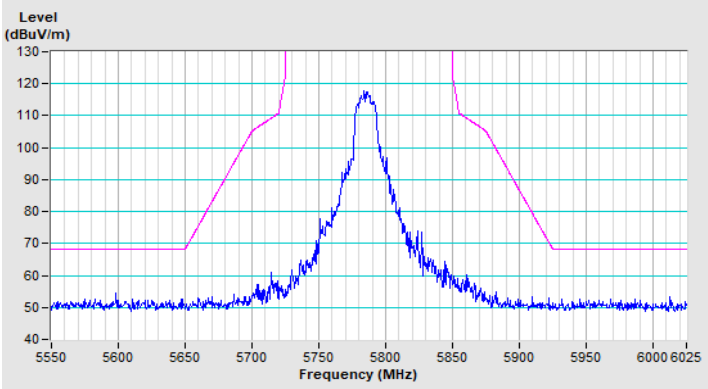


Horizontal (Peak)

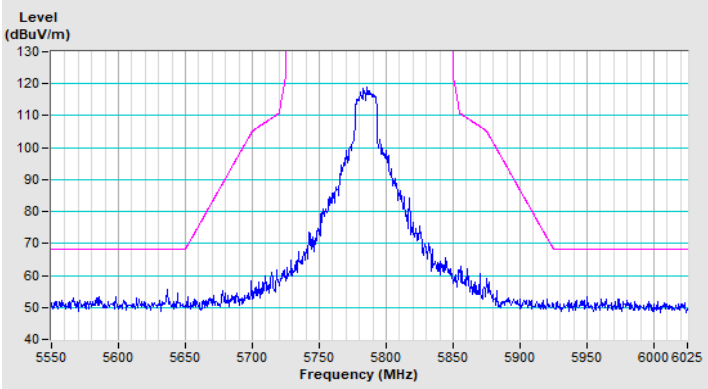


Vertical (Peak)

802.11a Channel 157

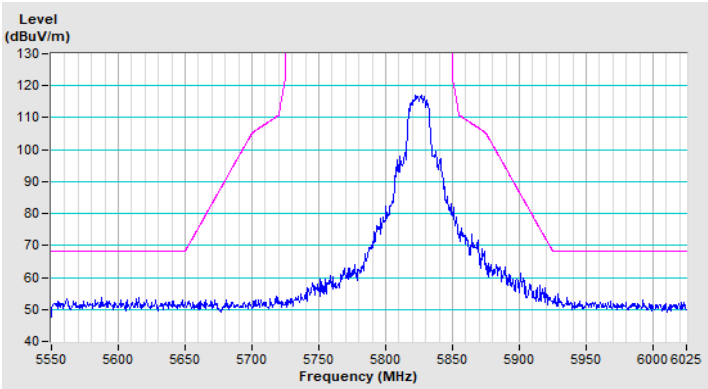


Horizontal (Peak)

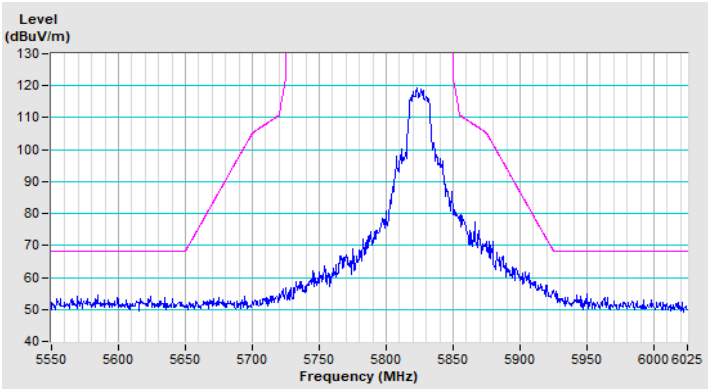


Vertical (Peak)

802.11a Channel 165



Horizontal (Peak)



Vertical (Peak)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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