TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBECO-WTW-P22110304-1
FCC ID:	W7Z-WB220501
Product:	Hostless Dual-Band Wi-Fi + BLE Module
Brand:	CEL
Model No.:	CEL8721D
Received Date:	2022/11/16
Test Date:	2022/11/22 ~ 2023/1/5
Issued Date:	2023/2/9
Applicant:	California Eastern Laboratories
Address:	5201 Great America Pkwy Suite 320 Santa Clara, CA 95054 United States Of America
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: _____ , **Date:** **2023/2/9**

May Chen / Manager

This test report consists of 199 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Vito Lung / Specialist

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
RFBECO-WTW-P22110304-1	Original release.	2023/2/9

1 Certificate

Product:	Hostless Dual-Band Wi-Fi + BLE Module
Brand:	CEL
Test Model:	CEL8721D
Sample Status:	Engineering sample
Applicant:	California Eastern Laboratories
Test Date:	2022/11/22 ~ 2023/1/5
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

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1/2/3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -13.93 dB at 0.57582 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.4 dB at 30.06 MHz
15.407(b) (1/2/3/4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 5150.00, 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.1 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Hostless Dual-Band Wi-Fi + BLE Module
Brand	CEL
Test Model	CEL8721D
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
Modulation Technology	OFDM
Transfer Rate	802.11a: up to 54Mbps 802.11n: up to 150Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.50 GHz ~ 5.58 GHz & 5.66 GHz ~ 5.70 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20): 21 802.11n (HT40): 9
Output Power	5.18 GHz ~ 5.24 GHz: 139.959 mW (21.46 dBm) 5.26 GHz ~ 5.32 GHz: 151.705 mW (21.81 dBm) 5.50 GHz ~ 5.58 GHz & 5.66 GHz ~ 5.70 GHz: 150.661 mW (21.78 dBm) 5.745 GHz ~ 5.825 GHz: 167.88 mW (22.25 dBm)
EUT Category	Client device

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology used for the EUT.
2. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain(dBi)	Frequency range	Antenna Type	Connector Type	Cable Length
1	0	MAG.LAYERS	MSA-4008-25GC1-A2	2.98	2.4~2.5GHz	PIFA	ipex(MHF)	150mm
				5.16	5.15~5.85GHz			
2	0	CEL	0027-02-07-00-001	2.1	2.4~2.5GHz	PIFA	none	none
				3.5	5.15~5.85GHz			

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

2. The EUT incorporates a SISO function:

5 GHz Band		
Modulation Mode	**TX & RX Configuration**	
802.11a	1TX	1RX
802.11n (HT20)	1TX	1RX
802.11n (HT40)	1TX	1RX

3.3 Channel List

FOR 5180 ~ 5320 MHz

8 channels are provided for 802.11a, 802.11n (HT20):

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

4 channels are provided for 802.11n (HT40):

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

FOR 5500 ~ 5580 & 5660 ~ 5700MHz

8 channels are provided for 802.11a, 802.11n (HT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	116	5580 MHz
104	5520 MHz	132	5660 MHz
108	5540 MHz	136	5680 MHz
112	5560 MHz	140	5700 MHz

3 channels are provided for 802.11n (HT40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	134	5670 MHz
110	5550 MHz		

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20):

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):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. PIFA Antenna (MSA-4008-25GC1-A2) can be used in the following ways: X-axis/ Y-axis/ Z-axis/ Ant Pre-scan these ways and find the worst case as a representative test condition. 2. PIFA Antenna (0027-02-07-00-001) can be used in the following ways: X-axis/ Y-axis/ Z-axis/ Ant Pre-scan these ways and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1.PIFA Antenna (MSA-4008-25GC1-A2) Worst Condition: Unwanted Emissions below 1 GHz:X-axis Unwanted Emissions above 1 GHz:Z-axis 2.PIFA Antenna (0027-02-07-00-001) Worst Condition: Unwanted Emissions below 1 GHz:X-axis Unwanted Emissions above 1 GHz:Z-axis

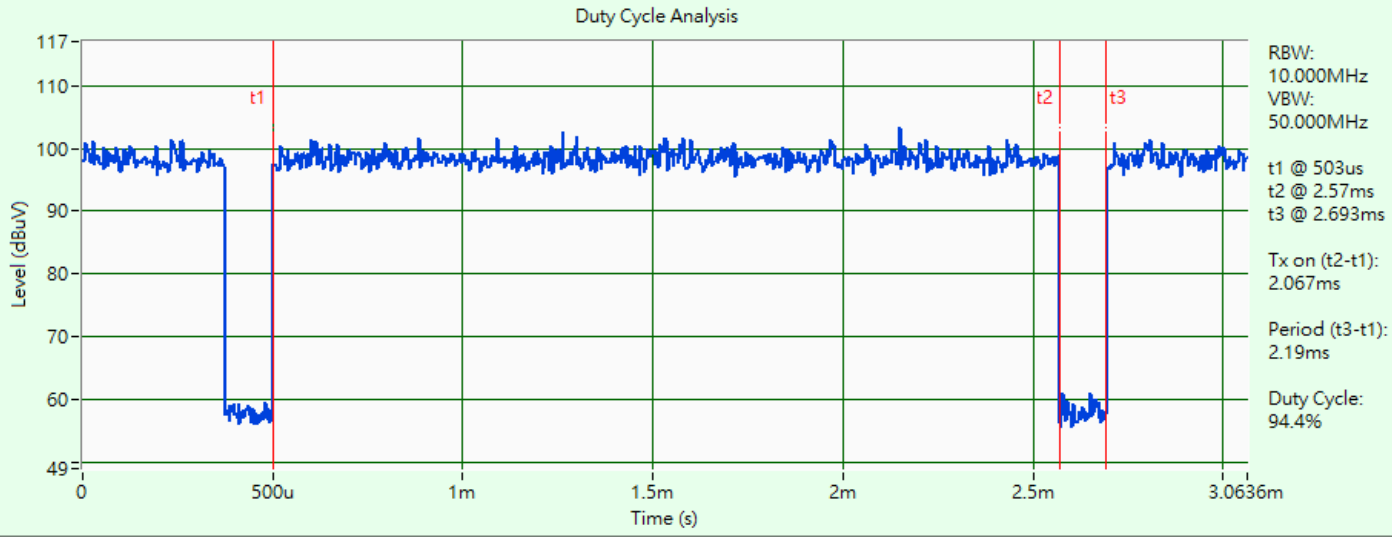
Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	-	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
RF Output Power / Power Spectral Density	-	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
6 dB Bandwidth	-	802.11a	149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	149, 157, 165	BPSK	MCS0
		802.11n (HT40)	151, 159	BPSK	MCS0
Occupied Bandwidth	-	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0

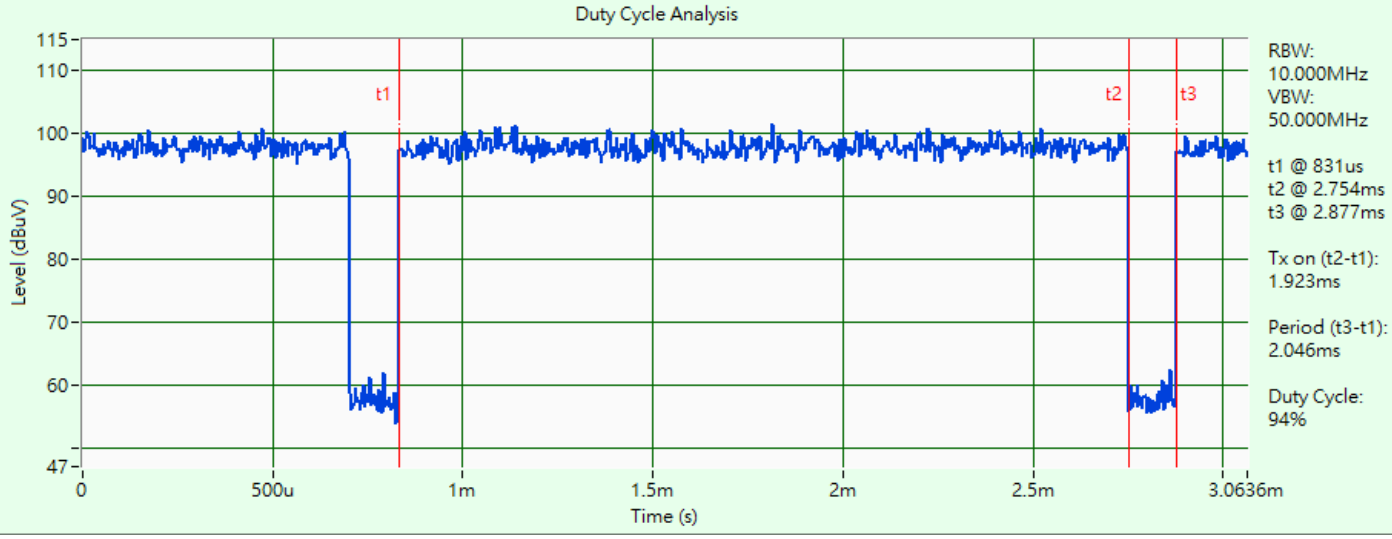
Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Stability	-	802.11a	36	un-modulation	-
AC Power Conducted Emissions	A	802.11n (HT20)	149	BPSK	MCS0
Unwanted Emissions below 1 GHz	A, B	802.11n (HT20)	149	BPSK	MCS0
Unwanted Emissions above 1 GHz	A, B	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 151, 159	BPSK	MCS0
EUT Configure Mode:	A	PIFA Antenna (MSA-4008-25GC1-A2)			
	B	PIFA Antenna (0027-02-07-00-001)			

3.5 Duty Cycle of Test Signal

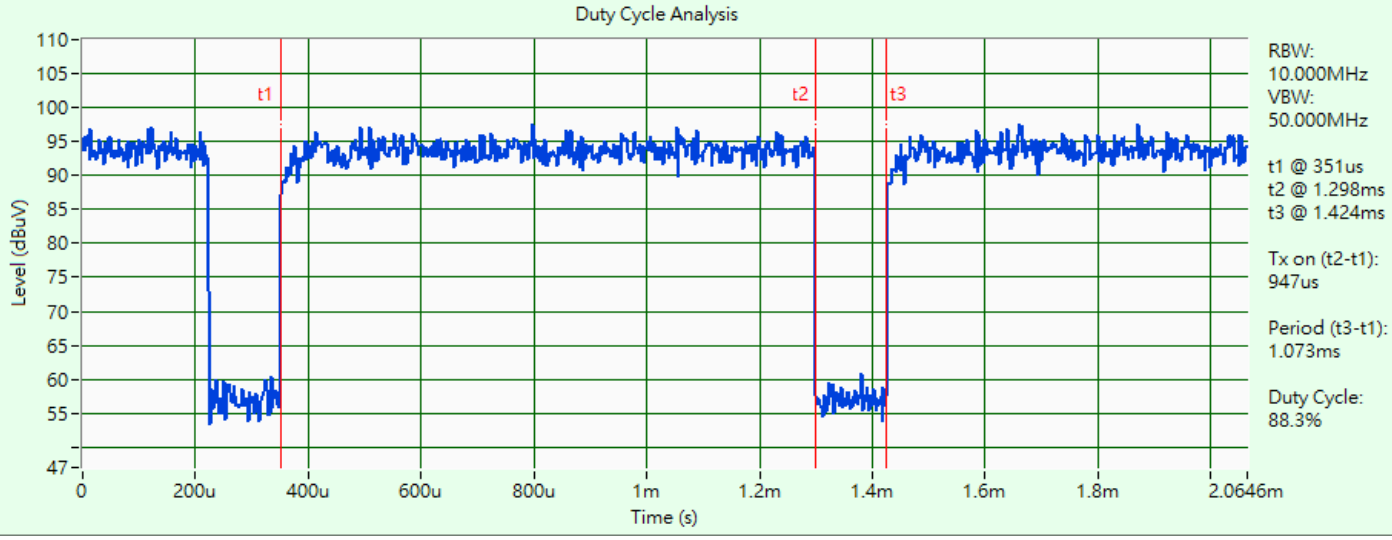
802.11a: Duty cycle = 2.067 ms / 2.19 ms x 100% = 94.4%, duty factor = 10 * log (1/Duty cycle) = 0.25 dB
802.11n (HT20): Duty cycle = 1.923 ms / 2.046 ms x 100% = 94.0%, duty factor = 10 * log (1/Duty cycle) = 0.27 dB
802.11n (HT40): Duty cycle = 0.947 ms / 1.073 ms x 100% = 88.3%, duty factor = 10 * log (1/Duty cycle) = 0.54 dB



802.11a



802.11n (HT20)



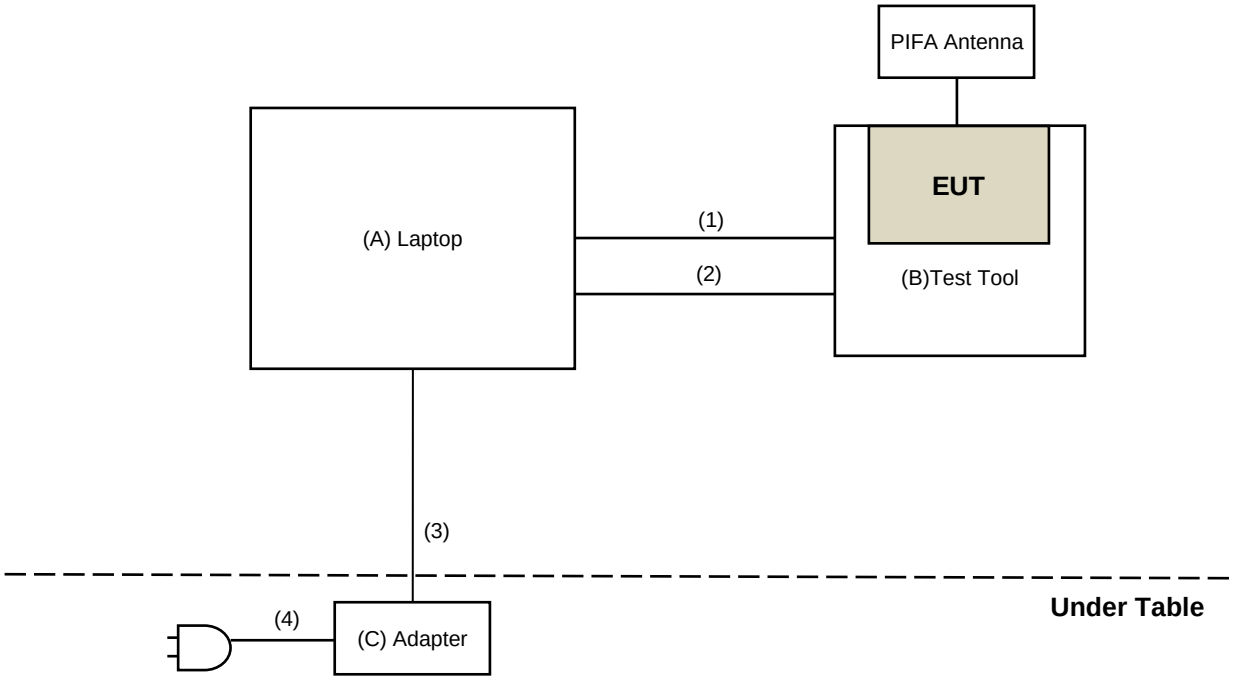
802.11n (HT40)

3.6 Test Program Used and Operation Descriptions

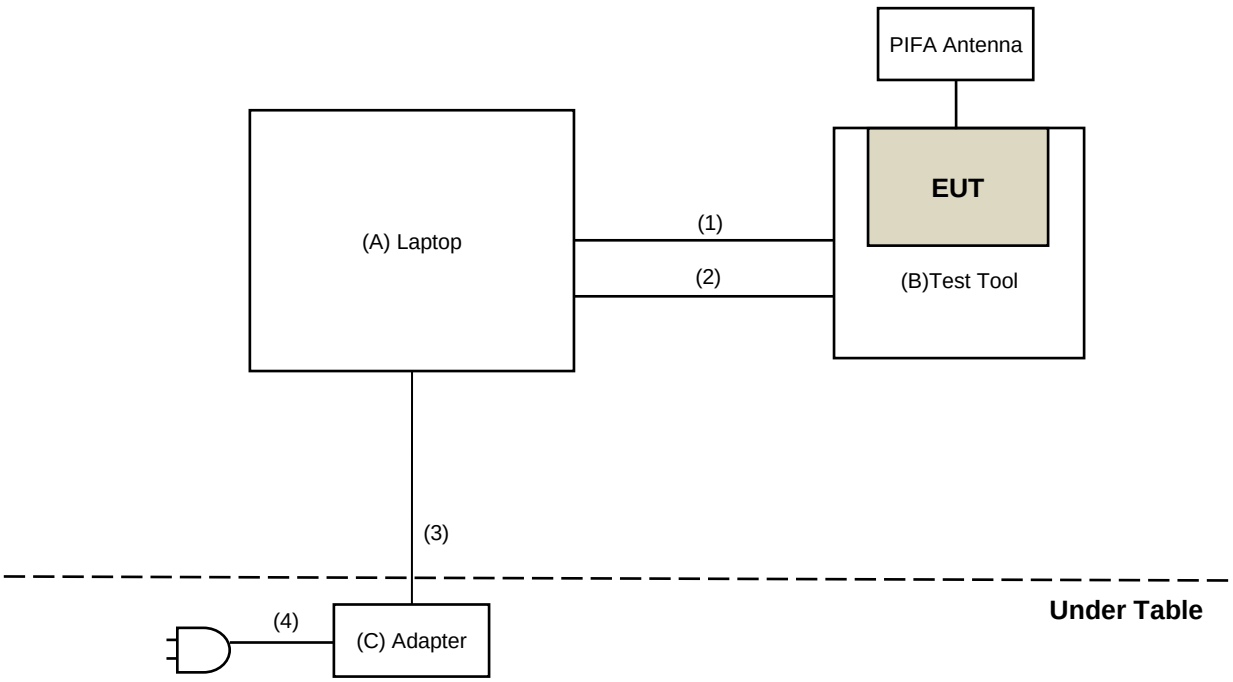
Controlling software (AmebaD_mptool_2V1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

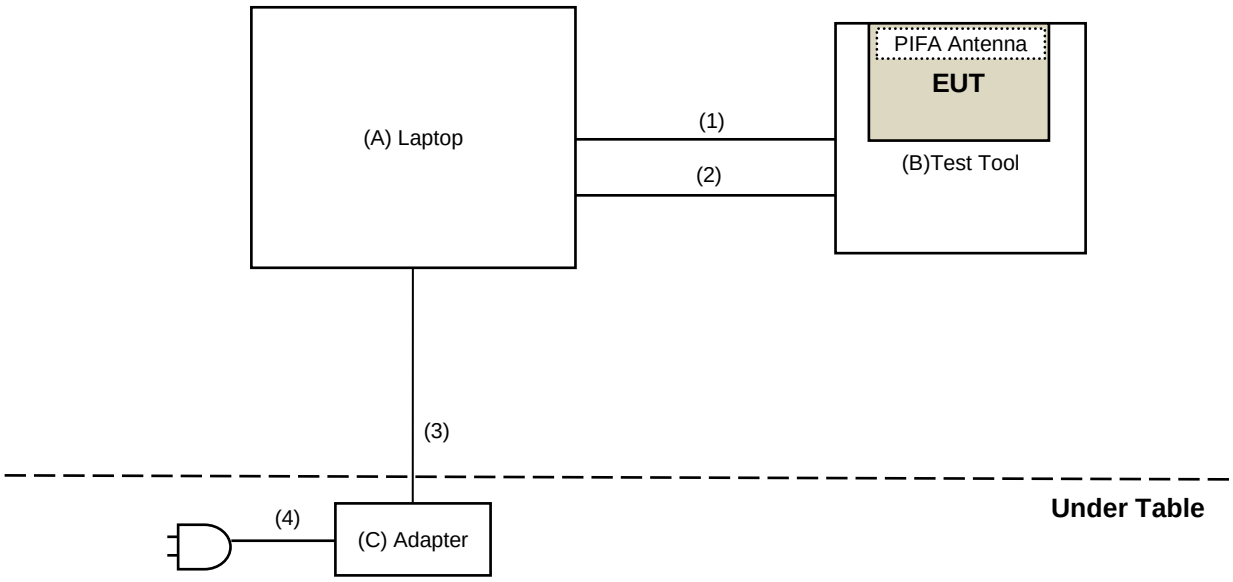
For AC Power Conducted Emission test



For Unwanted Emission test Mode A



For Unwanted Emission test Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab
B	Test Tool	AzureWave	N/A	N/A	N/A	Supplied by applicant
C	Adapter	Lenovo	ADLX45YLC3D	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Cable	1	1.8	Yes	0	Provided by Lab
2	USB Cable	1	1.8	Yes	0	Provided by Lab
3	DC Cable	1	1.8	No	0	Provided by Lab
4	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 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2022/3/11	2023/3/10

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/12/31

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2022/3/11	2023/3/10

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/12/31

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC POWER SUPPLY Topward	6603D	795558	N/A	N/A
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2022/3/11	2023/3/10
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/1/14	2023/1/13
True RMS Clamp Meter Fluke	325	31130711WS	2022/6/9	2023/6/8

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/12/31

4.7 AC Power Conducted Emissions

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

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/1/5

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bilog Antenna Schwarzbeck	VULB 9168	9168-0942	2022/10/20	2023/10/19
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-01	2022/1/10	2023/1/9
LOOP ANTENNA Electro-Metrics	EM-6879	264	2022/3/18	2023/3/17
Pre_Amplifier EMCI	EMC001340	980142	2022/6/2	2023/6/1
Pre_Amplifier(20M-3G) EMCI	EMC330N	980852	2022/3/28	2023/3/27
RF Coaxial Cable COMMATE/PEWC	8D	966-6-1	2022/4/25	2023/4/24
		966-6-2	2022/4/25	2023/4/24
		966-6-3	2022/4/25	2023/4/24
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/1/6	2023/1/5
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2022/3/13	2023/3/12
Test Receiver KEYSIGHT	N9038A	MY59050100	2022/6/20	2023/6/19

Notes:

1. The test was performed in 966 Chamber No. 6.
2. Tested Date: 2022/12/29

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-2035	2022/11/13	2023/11/12
	BBHA 9170	BBHA9170519	2022/11/13	2023/11/12
Pre_Amplifier EMCI	EMC12630SE	980385	2022/8/15	2023/8/14
	EMC184045SE	980387	2022/1/10	2023/1/9
RF Cable EMCI	EMC104-SM-SM-1300	210205	2022/5/10	2023/5/9
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1200	160924	2022/1/10	2023/1/9
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2022/3/8	2023/3/7
	EMC101G-KM-KM-10000	210708	2022/11/4	2023/11/3
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2022/3/13	2023/3/12
Test Receiver KEYSIGHT	N9038A	MY59050100	2022/6/20	2023/6/19

Notes:

1. The test was performed in 966 Chamber No. 6.
2. Tested Date: 2022/11/22 ~ 2022/12/30

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

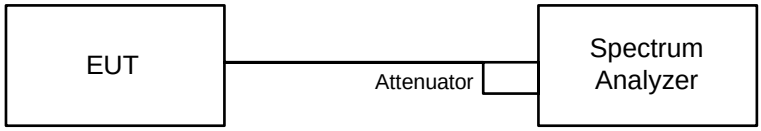
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

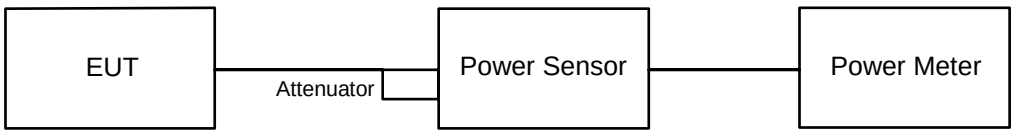


6.1.2 Test Procedure

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

6.2 RF Output Power

6.2.1 Test Setup

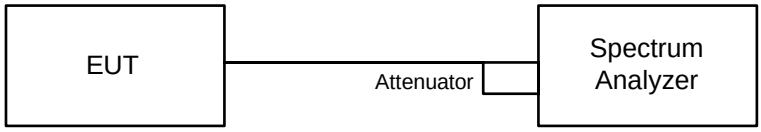


6.2.2 Test Procedure

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-2

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. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
g. Record the max value and add 10 log (1/duty cycle).

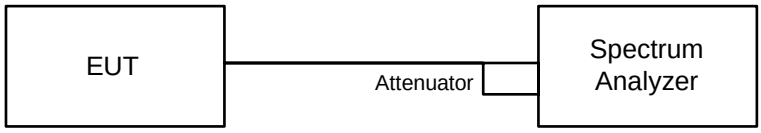
For specified measurement bandwidth 500 kHz:

Method SA-2

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

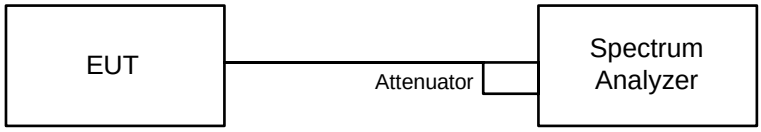


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

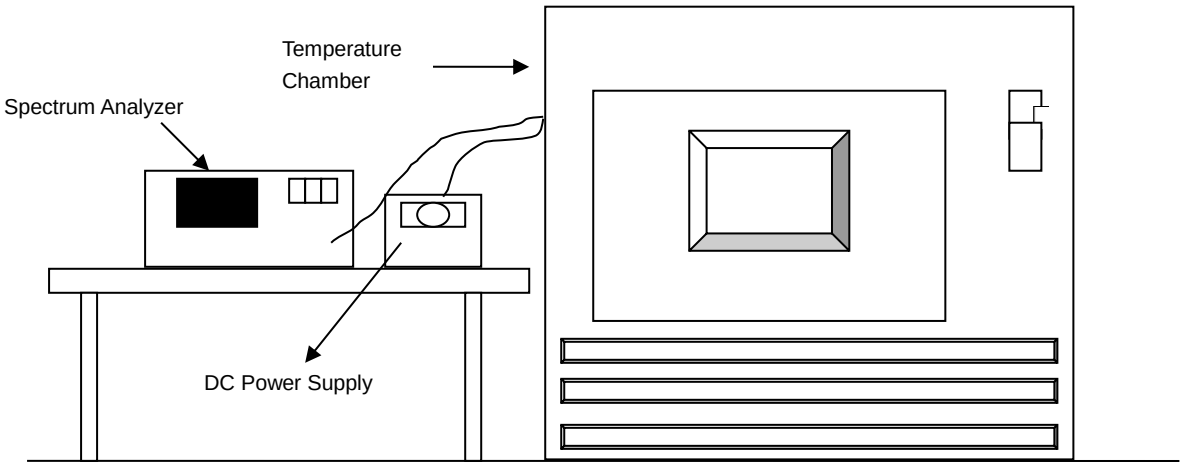


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

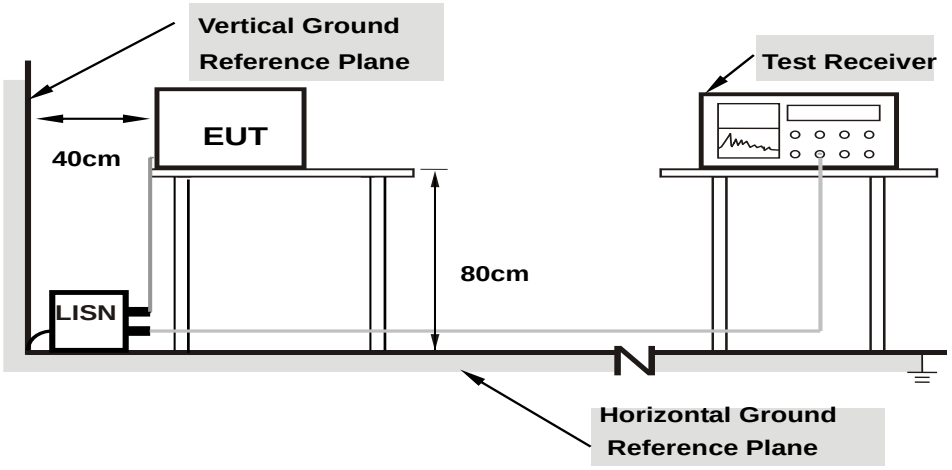


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

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

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

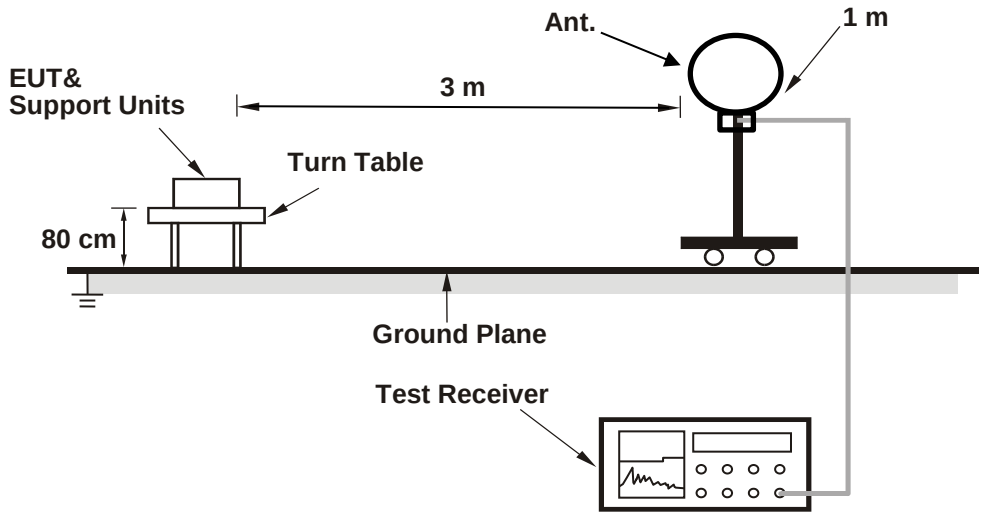
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

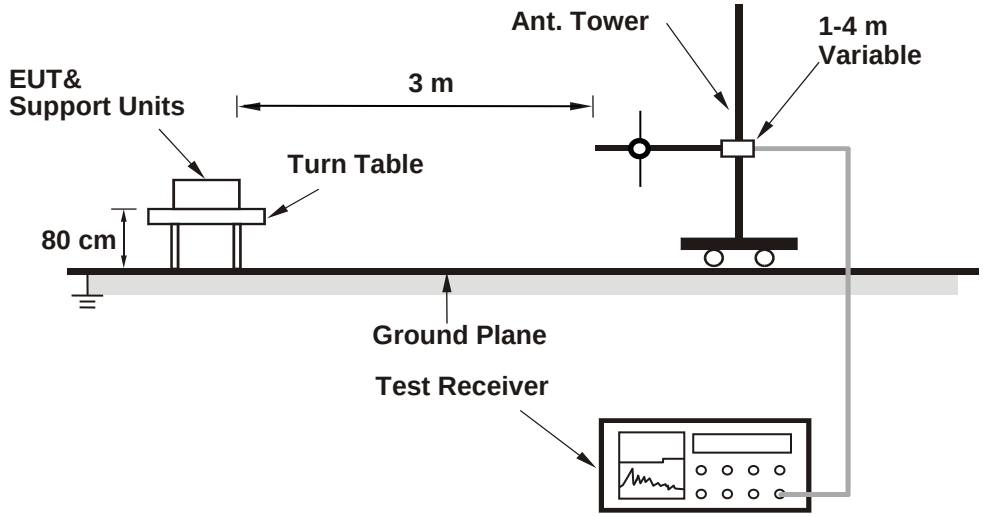
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

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

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

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

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

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

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

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

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

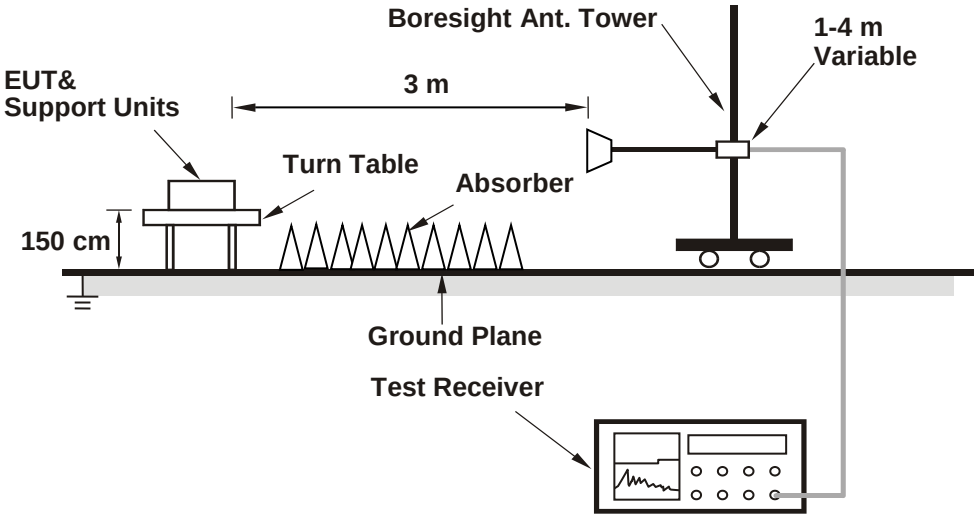
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

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

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

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

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	42.24
60	5300	44.9
64	5320	36.92
100	5500	41.13
116	5580	43.1
140	5700	22.2

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	42.24	27.25	>	24
60	5300	44.90	27.52	>	24
64	5320	36.92	26.67	>	24
100	5500	41.13	27.14	>	24
116	5580	43.10	27.34	>	24
140	5700	22.20	24.46	>	24

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

802.11n (HT20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	42.55
60	5300	45.25
64	5320	26.39
100	5500	40.73
116	5580	42.99
140	5700	22.71

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	42.55	27.28	>	24
60	5300	45.25	27.55	>	24
64	5320	26.39	25.21	>	24
100	5500	40.73	27.09	>	24
116	5580	42.99	27.33	>	24
140	5700	22.71	24.56	>	24

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

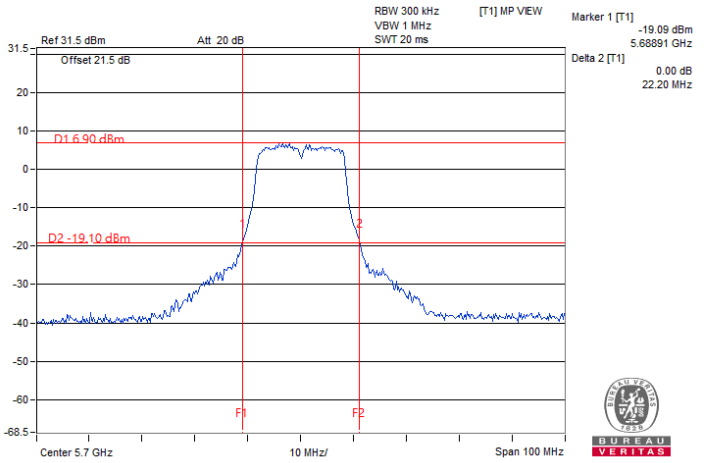
802.11n (HT40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
54	5270	85.1
62	5310	40.59
102	5510	41.06
110	5550	86.8
134	5670	60.06

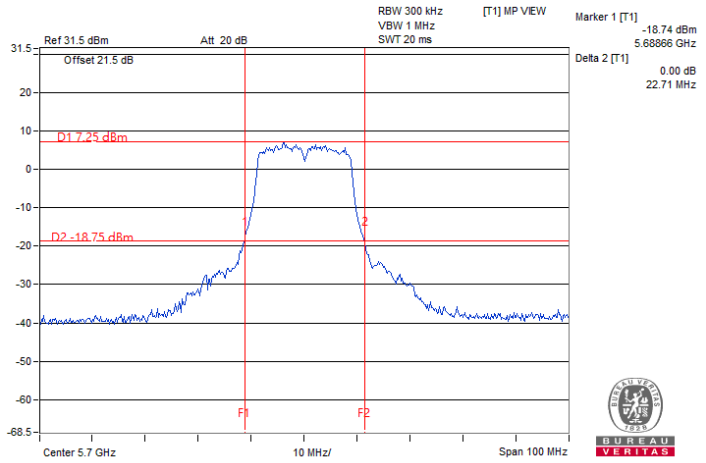
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	85.10	30.29	>	24
62	5310	40.59	27.08	>	24
102	5510	41.06	27.13	>	24
110	5550	86.80	30.38	>	24
134	5670	60.06	28.78	>	24

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

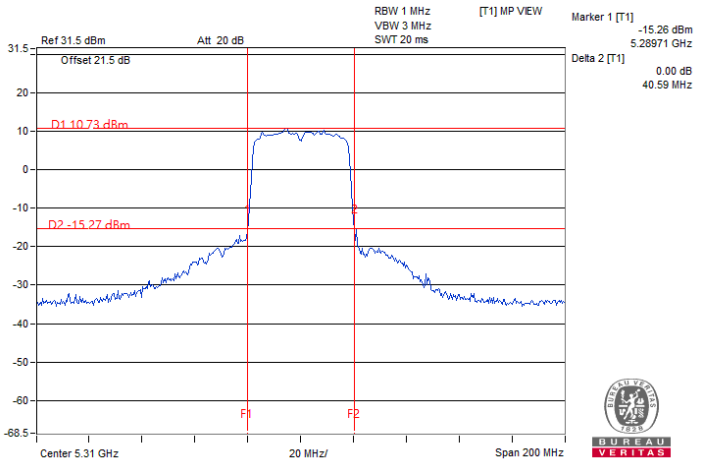
Spectrum Plot of Minimum Value



802.11a : CH 140



802.11n (HT20) : CH 140



802.11n (HT40) : CH 62

7.2 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	74.817	18.74	24	Pass
40	5200	124.451	20.95	24	Pass
48	5240	132.434	21.22	24	Pass
52	5260	145.881	21.64	24	Pass
60	5300	151.705	21.81	24	Pass
64	5320	90.573	19.57	24	Pass
100	5500	127.938	21.07	24	Pass
116	5580	150.661	21.78	24	Pass
140	5700	44.157	16.45	24	Pass
149	5745	167.109	22.23	30	Pass
157	5785	137.088	21.37	30	Pass
165	5825	134.276	21.28	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	73.451	18.66	24	Pass
40	5200	123.595	20.92	24	Pass
48	5240	133.352	21.25	24	Pass
52	5260	145.211	21.62	24	Pass
60	5300	151.705	21.81	24	Pass
64	5320	93.756	19.72	24	Pass
100	5500	129.122	21.11	24	Pass
116	5580	150.314	21.77	24	Pass
140	5700	42.462	16.28	24	Pass
149	5745	167.88	22.25	30	Pass
157	5785	136.144	21.34	30	Pass
165	5825	132.13	21.21	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	37.325	15.72	24	Pass
46	5230	139.959	21.46	24	Pass
54	5270	135.207	21.31	24	Pass
62	5310	47.206	16.74	24	Pass
102	5510	58.749	17.69	24	Pass
110	5550	147.571	21.69	24	Pass
134	5670	78.163	18.93	24	Pass
151	5755	167.88	22.25	30	Pass
159	5795	134.586	21.29	30	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the antenna gain is 5.16 dBi < 6 dBi, so the output power limit shall not be reduced.

7.3 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	4.88	0.25	5.13	11.00	Pass
40	5200	7.01	0.25	7.26	11.00	Pass
48	5240	7.27	0.25	7.52	11.00	Pass
52	5260	7.75	0.25	8.00	11.00	Pass
60	5300	7.46	0.25	7.71	11.00	Pass
64	5320	5.52	0.25	5.77	11.00	Pass
100	5500	6.38	0.25	6.63	11.00	Pass
116	5580	7.43	0.25	7.68	11.00	Pass
140	5700	2.09	0.25	2.34	11.00	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.16 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	4.34	0.27	4.61	11.00	Pass
40	5200	6.84	0.27	7.11	11.00	Pass
48	5240	6.50	0.27	6.77	11.00	Pass
52	5260	7.10	0.27	7.37	11.00	Pass
60	5300	7.17	0.27	7.44	11.00	Pass
64	5320	5.05	0.27	5.32	11.00	Pass
100	5500	6.19	0.27	6.46	11.00	Pass
116	5580	7.22	0.27	7.49	11.00	Pass
140	5700	1.88	0.27	2.15	11.00	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.16 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)	Duty Factor (dB)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	-2.04	0.54	-1.50	11.00	Pass
46	5230	3.44	0.54	3.98	11.00	Pass
54	5270	3.93	0.54	4.47	11.00	Pass
62	5310	-0.39	0.54	0.15	11.00	Pass
102	5510	0.19	0.54	0.73	11.00	Pass
110	5550	4.33	0.54	4.87	11.00	Pass
134	5670	1.16	0.54	1.70	11.00	Pass

Notes:

1. For U-NII-1, the antenna gain is 5.16 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	-0.47	0.25	2.00	30	Pass
157	5785	-1.02	0.25	1.45	30	Pass
165	5825	-0.36	0.25	2.11	30	Pass

Note: For U-NII-3, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
149	5745	-0.68	0.27	1.81	30	Pass
157	5785	-1.2	0.27	1.29	30	Pass
165	5825	-1.34	0.27	1.15	30	Pass

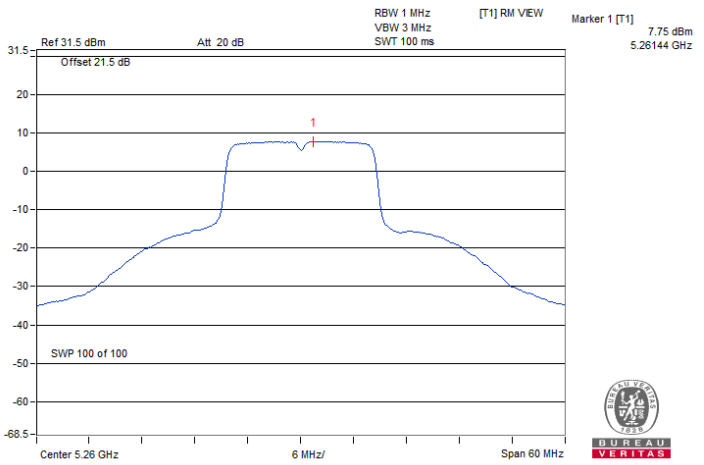
Note: For U-NII-3, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11n (HT40)

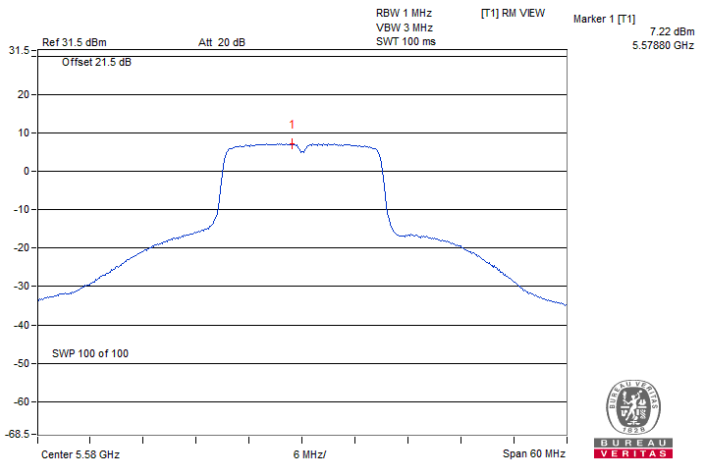
Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
151	5755	-4.53	0.54	-1.77	30	Pass
159	5795	-4.87	0.54	-2.11	30	Pass

Note: For U-NII-3, the antenna gain is 5.16 dBi < 6 dBi, so the power density limit shall not be reduced.

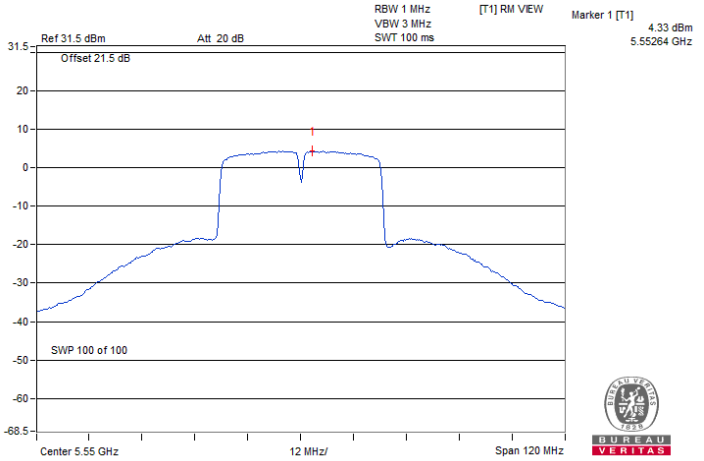
Spectrum Plot of Maximum Value



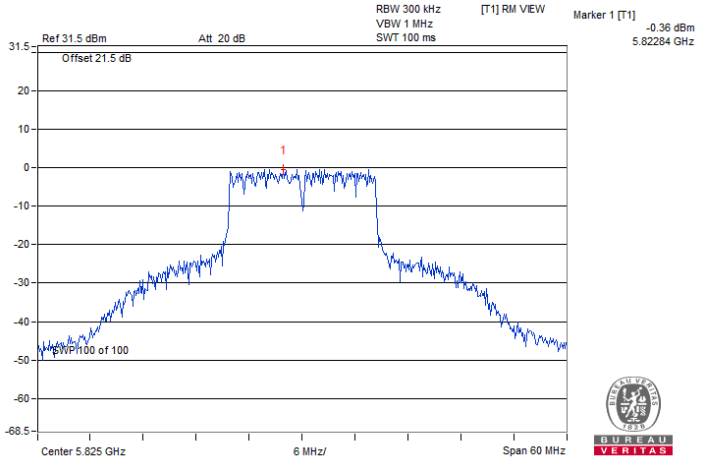
802.11a : CH 52



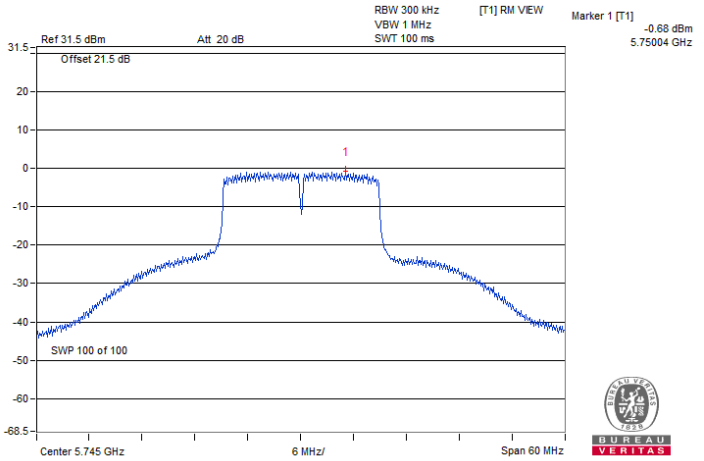
802.11n (HT20) : CH 116



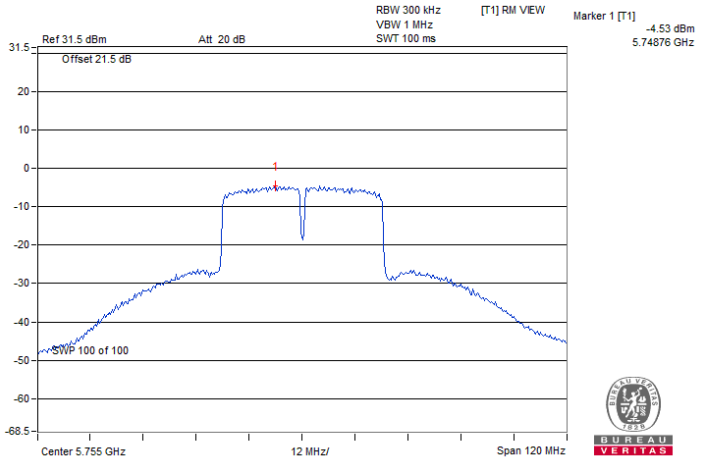
802.11n (HT40) : CH 110



802.11a : CH 165



802.11n (HT20) : CH 149



802.11n (HT40) : CH 151

7.4 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	16.39	0.5	Pass
157	5785	16.4	0.5	Pass
165	5825	16.39	0.5	Pass

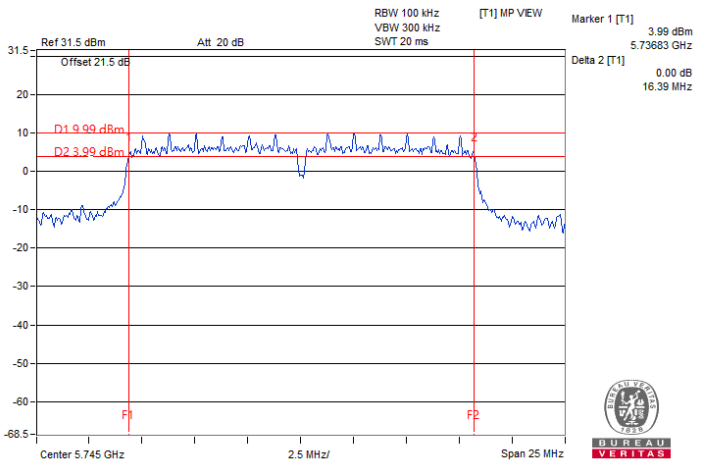
802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
149	5745	17.58	0.5	Pass
157	5785	17.57	0.5	Pass
165	5825	17.56	0.5	Pass

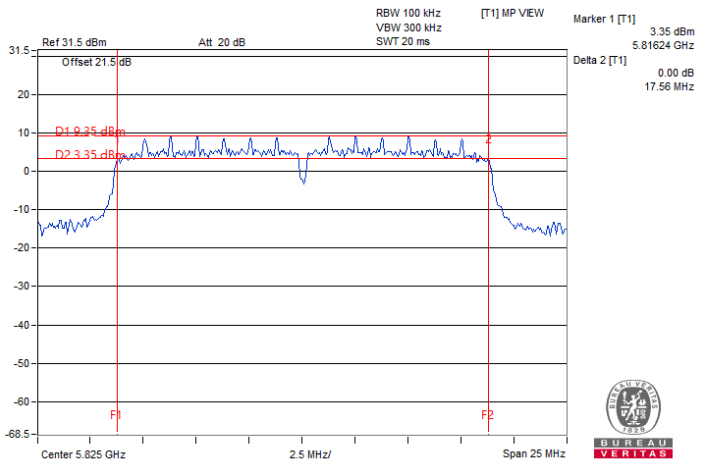
802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
151	5755	35.26	0.5	Pass
159	5795	35.35	0.5	Pass

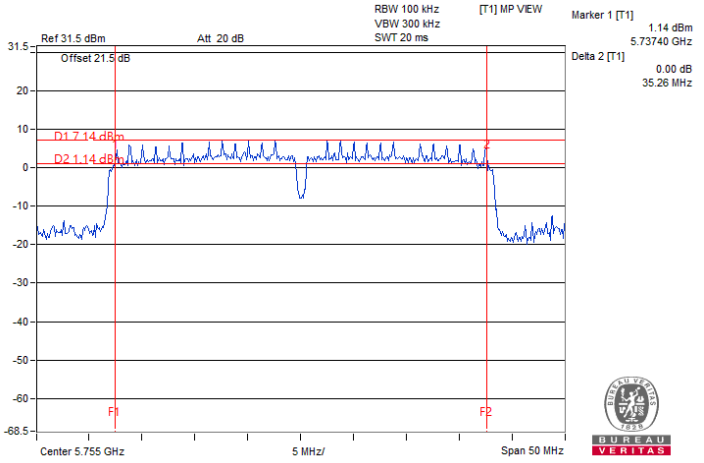
Spectrum Plot of Minimum Value



802.11a : CH 149



802.11n (HT20) : CH 165



802.11n (HT40) : CH 151

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.92
40	5200	18.6
48	5240	20.06
52	5260	21.36
60	5300	20.88
64	5320	17.16
100	5500	17.52
116	5580	20.4
140	5700	16.92
149	5745	23.16
157	5785	21.24
165	5825	19.68

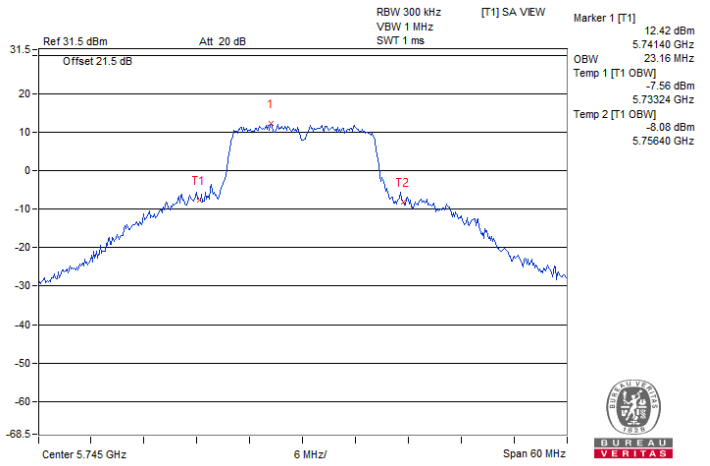
802.11n (HT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.12
40	5200	19.56
48	5240	19.68
52	5260	20.52
60	5300	21.36
64	5320	18
100	5500	18.6
116	5580	21
140	5700	18
149	5745	24.84
157	5785	21.72
165	5825	20.64

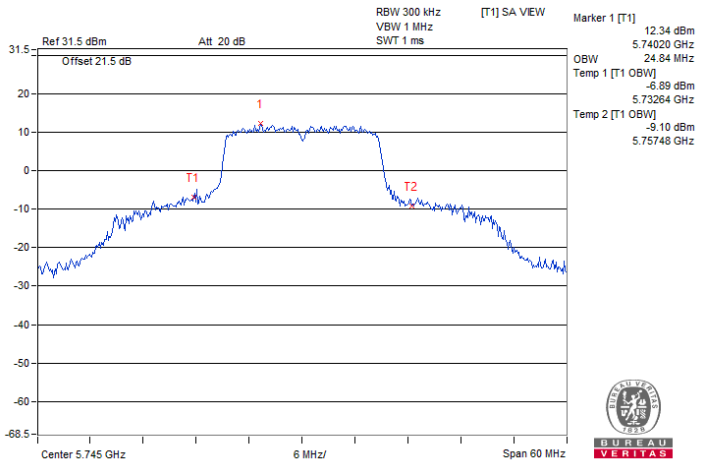
802.11n (HT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	36
46	5230	38.64
54	5270	43.68
62	5310	36
102	5510	36
110	5550	42.72
134	5670	36.24
151	5755	47.52
159	5795	41.04

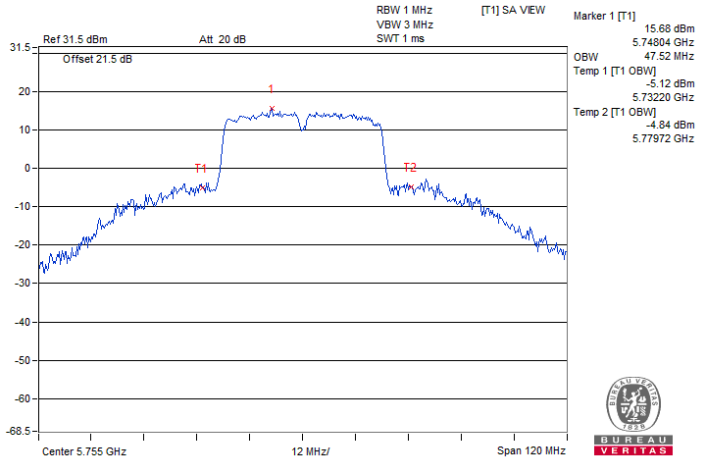
Spectrum Plot of Maximum Value



802.11a : CH 149



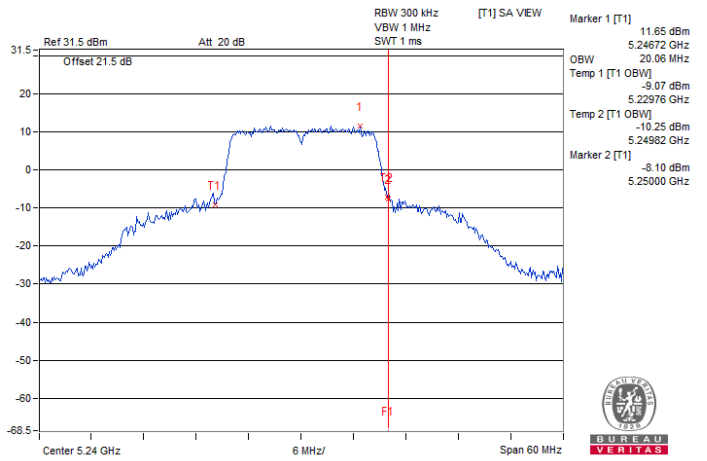
802.11n (HT20) : CH 149



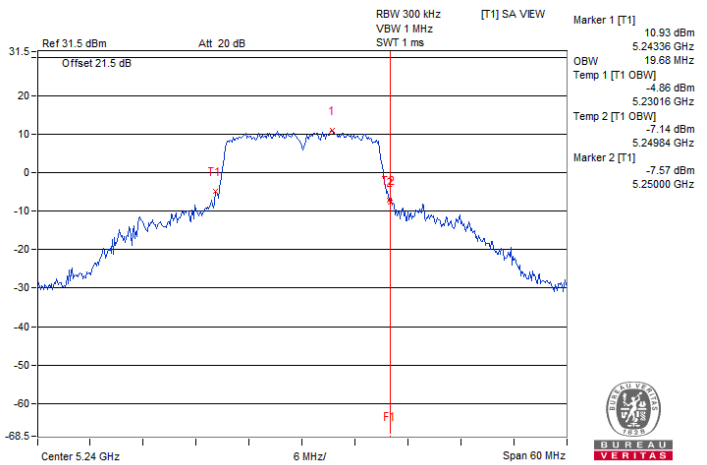
802.11n (HT40) : CH 151

Spectrum Plot for nearby DFS band

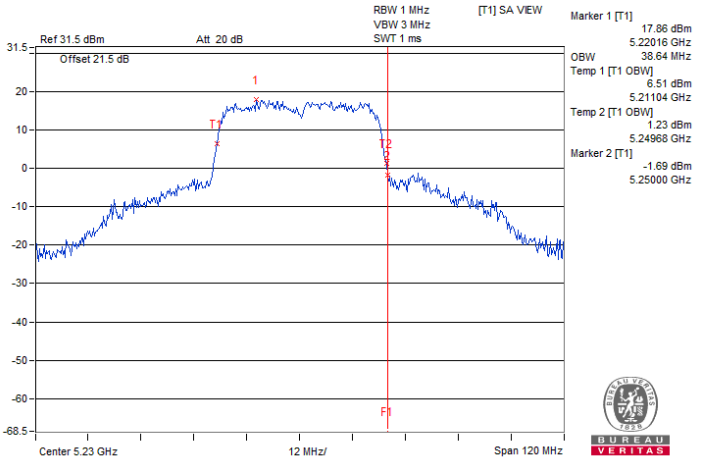
(DFS is required, if 99% OCP straddle into U-NII-2A)



802.11a : CH 48



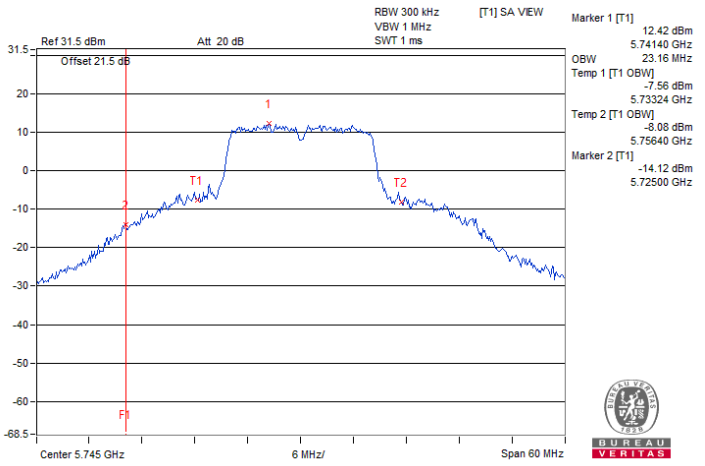
802.11n (HT20) : CH 48



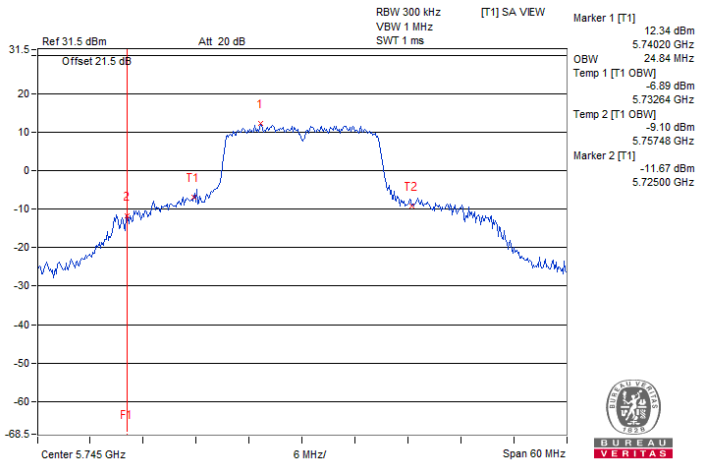
802.11n (HT40) : CH 46

Spectrum Plot for nearby DFS band

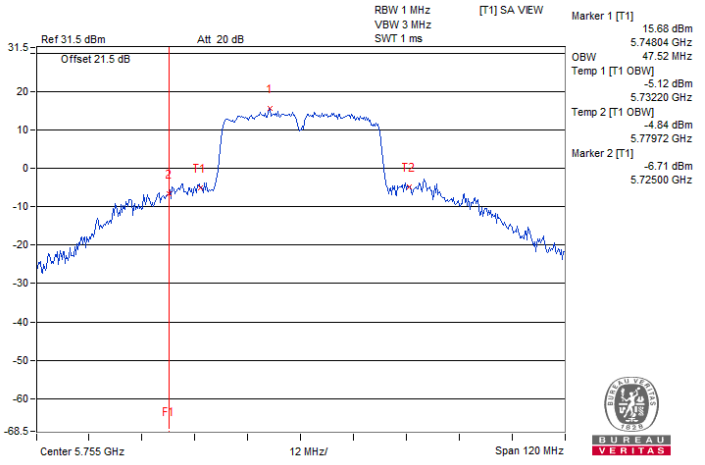
(DFS is required, if 99% OCP straddle into U-NII-2C)



802.11a : CH 149



802.11n (HT20) : CH 149



802.11n (HT40) : CH 151

7.6 Frequency Stability

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Katina Lu

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
85	3.3	5179.9775	Pass	5179.9777	Pass	5179.9781	Pass	5179.9784	Pass
80	3.3	5179.9796	Pass	5179.9811	Pass	5179.9804	Pass	5179.9778	Pass
70	3.3	5180.0215	Pass	5180.0183	Pass	5180.0212	Pass	5180.0216	Pass
60	3.3	5179.9849	Pass	5179.9869	Pass	5179.9831	Pass	5179.987	Pass
50	3.3	5180.0014	Pass	5180.0022	Pass	5180.0021	Pass	5180.0049	Pass
40	3.3	5179.997	Pass	5179.9956	Pass	5179.996	Pass	5179.9934	Pass
30	3.3	5180.0047	Pass	5180.0041	Pass	5180.0008	Pass	5180.0057	Pass
20	3.3	5179.9962	Pass	5179.9925	Pass	5179.9968	Pass	5179.9965	Pass
10	3.3	5179.9779	Pass	5179.9794	Pass	5179.9764	Pass	5179.9803	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	3.795	5180.0044	Pass	5180.0037	Pass	5180.0073	Pass	5180.0055	Pass
	3.3	5179.9962	Pass	5179.9925	Pass	5179.9968	Pass	5179.9965	Pass
	2.805	5179.9982	Pass	5179.9959	Pass	5179.9964	Pass	5179.9977	Pass

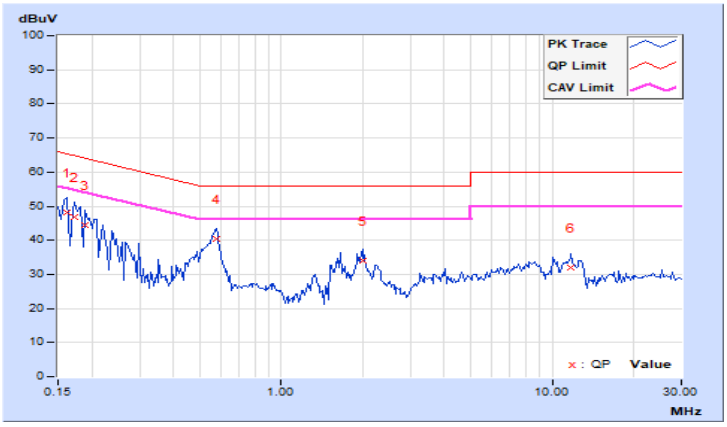
7.7 AC Power Conducted Emissions

RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Ryan Du		

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	0.16176	9.94	38.12	20.28	48.06	30.22	65.37	55.37	-17.31	-25.15
2	0.17351	9.94	36.71	20.81	46.65	30.75	64.79	54.79	-18.14	-24.04
3	0.18919	9.94	34.61	16.96	44.55	26.90	64.07	54.07	-19.52	-27.17
4	**0.57582**	**9.96**	**30.45**	**22.11**	**40.41**	**32.07**	**56.00**	**46.00**	**-15.59**	**-13.93**
5	2.01563	10.07	23.78	14.08	33.85	24.15	56.00	46.00	-22.15	-21.85
6	11.76173	10.79	21.31	17.92	32.10	28.71	60.00	50.00	-27.90	-21.29

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

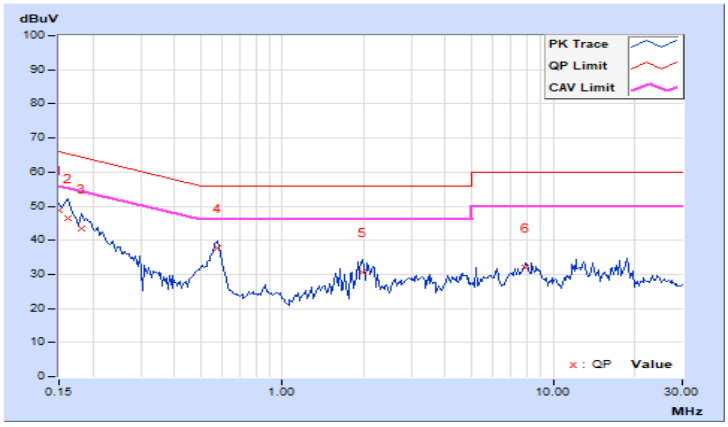


RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Ryan Du		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	10.00	38.66	23.41	48.66	33.41	66.00	56.00	-17.34	-22.59
2	0.16174	10.00	36.58	19.25	46.58	29.25	65.37	55.37	-18.79	-26.12
3	0.18135	10.00	33.45	18.79	43.45	28.79	64.42	54.42	-20.97	-25.63
4	0.57972	10.02	27.71	19.57	37.73	29.59	56.00	46.00	-18.27	-16.41
5	1.98048	10.12	20.54	6.44	30.66	16.56	56.00	46.00	-25.34	-29.44
6	7.87509	10.51	21.52	10.73	32.03	21.24	60.00	50.00	-27.97	-28.76

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

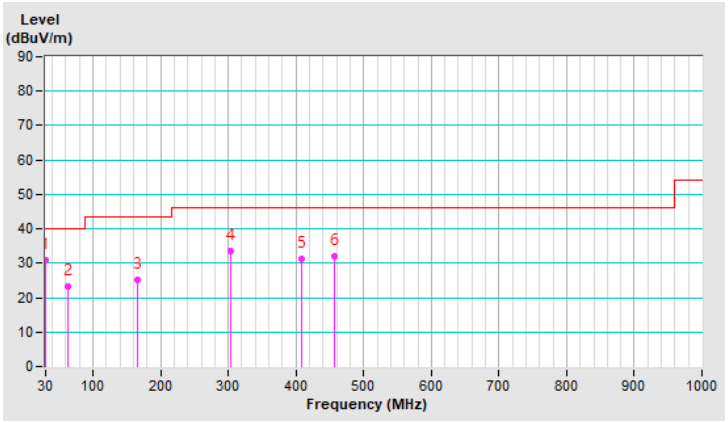
Mode A

RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan DU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	30.18	30.9 QP	40.0	-9.1	1.00 H	353	44.7	-13.8
2	62.26	23.3 QP	40.0	-16.7	1.50 H	278	36.6	-13.3
3	166.32	25.2 QP	43.5	-18.3	1.00 H	38	38.1	-12.9
4	303.49	33.6 QP	46.0	-12.4	1.50 H	274	45.7	-12.1
5	408.02	31.1 QP	46.0	-14.9	1.00 H	29	40.7	-9.6
6	456.01	32.0 QP	46.0	-14.0	1.00 H	36	40.0	-8.0

Remarks:

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

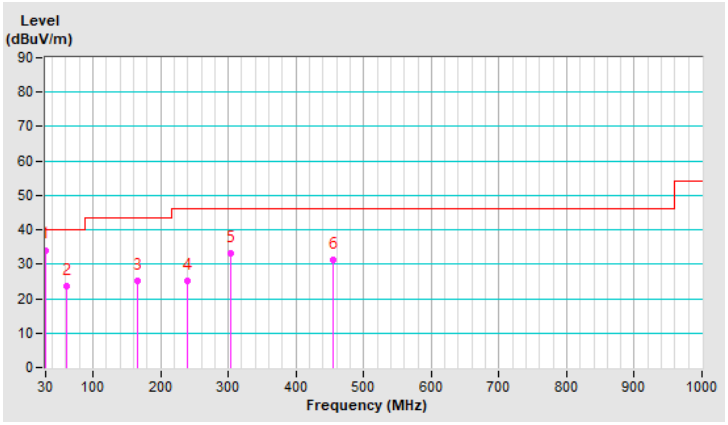


RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan DU		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	**30.11**	**34.1 QP**	**40.0**	**-5.9**	**1.00 V**	**197**	**47.9**	**-13.8**
2	61.08	23.5 QP	40.0	-16.5	1.00 V	347	36.7	-13.2
3	166.31	25.2 QP	43.5	-18.3	1.00 V	53	38.1	-12.9
4	240.01	25.0 QP	46.0	-21.0	1.00 V	267	39.3	-14.3
5	303.02	33.1 QP	46.0	-12.9	1.00 V	74	45.2	-12.1
6	455.79	31.2 QP	46.0	-14.8	1.00 V	79	39.2	-8.0

Remarks:

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



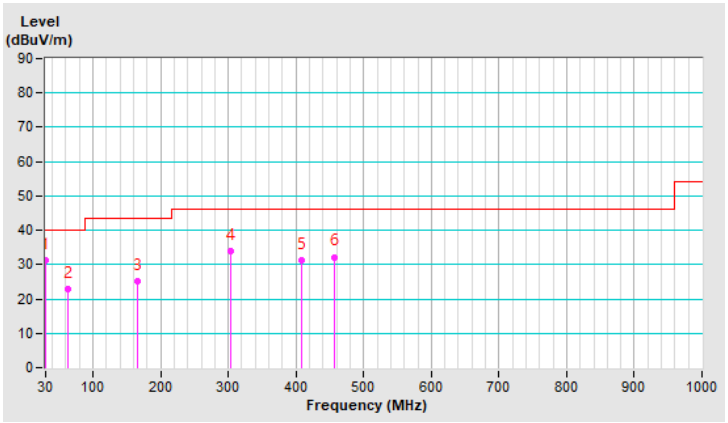
Mode B

RF Mode	802.11n (HT20)	Channel	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Ryan DU		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.12	31.2 QP	40.0	-8.8	1.00 H	352	45.0	-13.8
2	62.16	22.9 QP	40.0	-17.1	1.50 H	231	36.2	-13.3
3	166.29	25.2 QP	43.5	-18.3	1.00 H	57	38.1	-12.9
4	303.47	33.8 QP	46.0	-12.2	1.50 H	267	45.9	-12.1
5	407.99	31.2 QP	46.0	-14.8	1.00 H	46	40.8	-9.6
6	456.01	32.2 QP	46.0	-13.8	1.00 H	33	40.2	-8.0

Remarks:

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

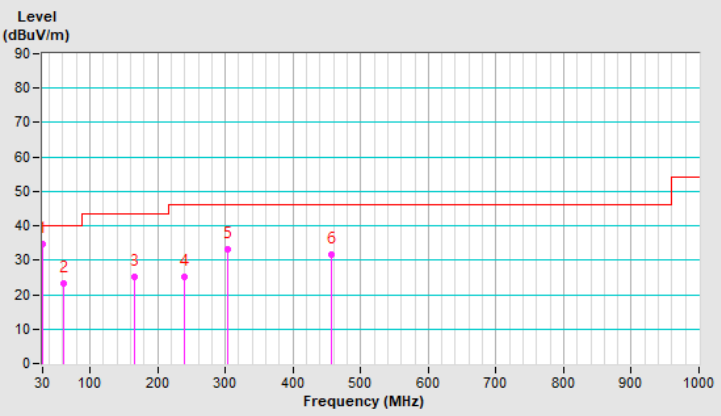


RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Ryan DU		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	**30.06**	**34.6 QP**	**40.0**	**-5.4**	**1.00 V**	**132**	**48.4**	**-13.8**
2	61.06	23.4 QP	40.0	-16.6	1.00 V	338	36.6	-13.2
3	166.34	25.1 QP	43.5	-18.4	1.00 V	82	37.9	-12.8
4	240.02	25.1 QP	46.0	-20.9	1.00 V	264	39.4	-14.3
5	302.88	33.0 QP	46.0	-13.0	1.00 V	58	45.1	-12.1
6	455.92	31.7 QP	46.0	-14.3	1.00 V	93	39.7	-8.0

Remarks:

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



7.9 Unwanted Emissions above 1 GHz

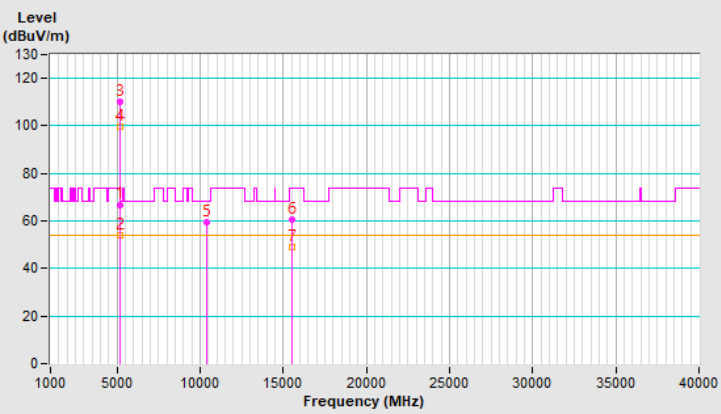
Mode A

RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% 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	66.9 PK	74.0	-7.1	2.13 H	206	61.7	5.2
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**2.13 H**	**206**	**48.7**	**5.2**
3	*5180.00	110.2 PK			2.13 H	206	105.1	5.1
4	*5180.00	99.8 AV			2.13 H	206	94.7	5.1
5	#10360.00	59.7 PK	68.2	-8.5	1.10 H	64	43.7	16.0
6	15540.00	60.4 PK	74.0	-13.6	1.23 H	70	43.0	17.4
7	15540.00	48.8 AV	54.0	-5.2	1.23 H	70	31.4	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.

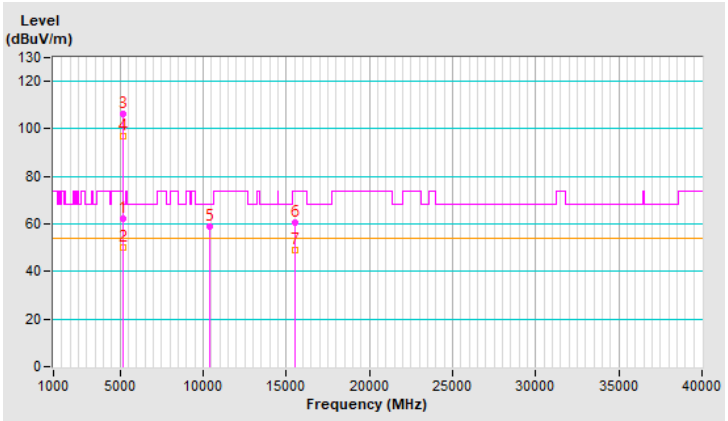


RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	62.1 PK	74.0	-11.9	2.09 V	273	56.9	5.2
2	5150.00	50.0 AV	54.0	-4.0	2.09 V	273	44.8	5.2
3	*5180.00	106.2 PK			2.09 V	273	101.1	5.1
4	*5180.00	96.8 AV			2.09 V	273	91.7	5.1
5	#10360.00	59.1 PK	68.2	-9.1	3.34 V	145	43.1	16.0
6	15540.00	60.4 PK	74.0	-13.6	3.40 V	136	43.0	17.4
7	15540.00	49.1 AV	54.0	-4.9	3.40 V	136	31.7	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.

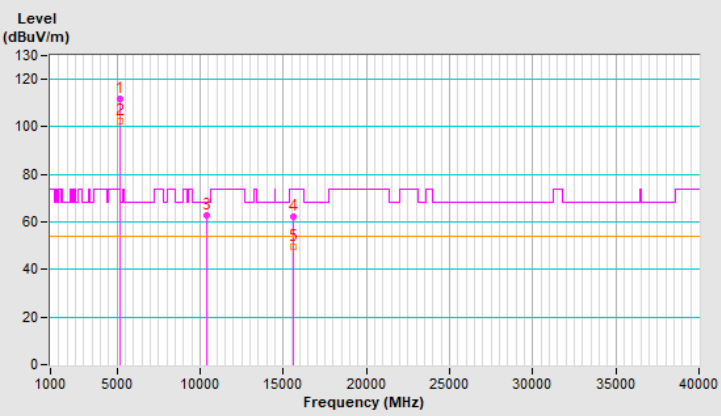


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	111.6 PK			2.14 H	216	106.5	5.1
2	*5200.00	102.5 AV			2.14 H	216	97.4	5.1
3	#10400.00	62.7 PK	68.2	-5.5	1.46 H	59	46.6	16.1
4	15600.00	62.1 PK	74.0	-11.9	1.47 H	37	44.8	17.3
5	15600.00	49.7 AV	54.0	-4.3	1.47 H	37	32.4	17.3

Remarks:

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

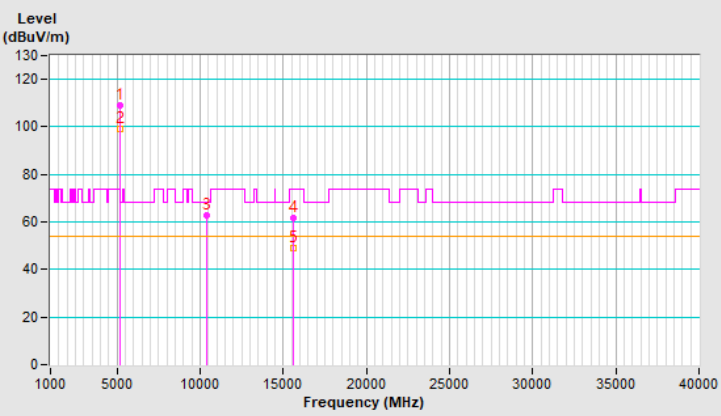


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	108.9 PK			2.14 V	262	103.8	5.1
2	*5200.00	99.2 AV			2.14 V	262	94.1	5.1
3	#10400.00	62.8 PK	68.2	-5.4	3.36 V	138	46.7	16.1
4	15600.00	61.9 PK	74.0	-12.1	3.11 V	153	44.6	17.3
5	15600.00	49.0 AV	54.0	-5.0	3.11 V	153	31.7	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.

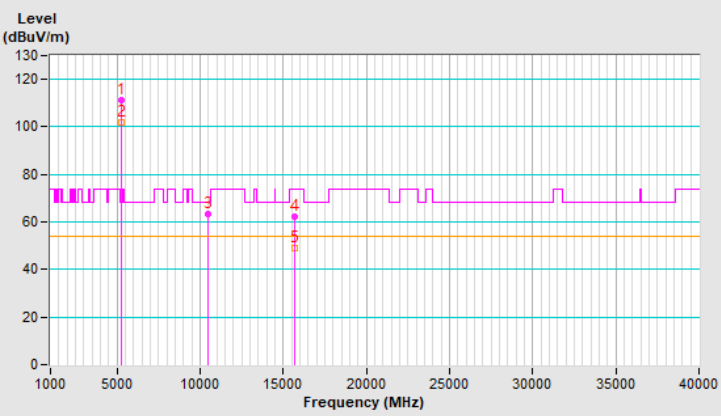


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	111.0 PK			2.18 H	213	106.1	4.9
2	*5240.00	101.8 AV			2.18 H	213	96.9	4.9
3	#10480.00	63.5 PK	68.2	-4.7	1.44 H	42	47.2	16.3
4	15720.00	62.0 PK	74.0	-12.0	1.42 H	40	45.2	16.8
5	15720.00	49.0 AV	54.0	-5.0	1.42 H	40	32.2	16.8

Remarks:

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

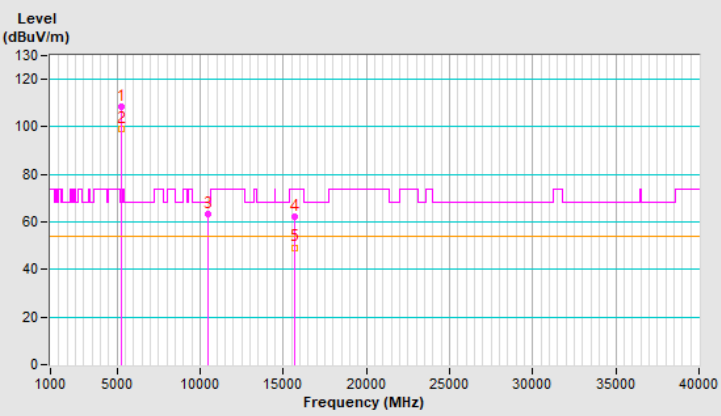


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	108.4 PK			2.03 V	283	103.5	4.9
2	*5240.00	99.0 AV			2.03 V	283	94.1	4.9
3	#10480.00	63.5 PK	68.2	-4.7	3.28 V	158	47.2	16.3
4	15720.00	62.1 PK	74.0	-11.9	3.10 V	179	45.3	16.8
5	15720.00	49.3 AV	54.0	-4.7	3.10 V	179	32.5	16.8

Remarks:

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

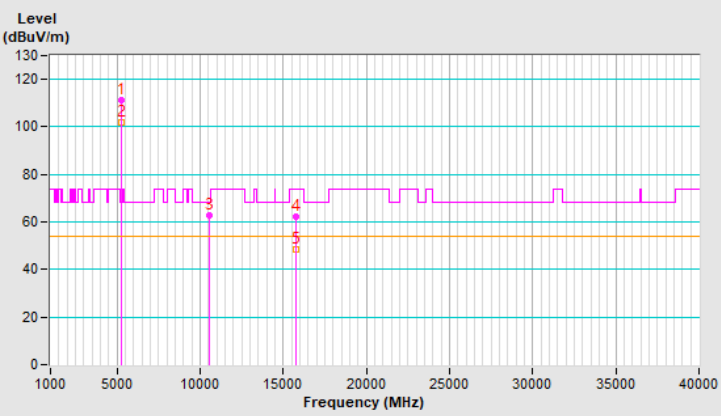


RF Mode	802.11a	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5260.00	111.2 PK			2.09 H	219	106.5	4.7
2	*5260.00	102.0 AV			2.09 H	219	97.3	4.7
3	#10520.00	62.6 PK	68.2	-5.6	1.48 H	44	46.3	16.3
4	15780.00	62.4 PK	74.0	-11.6	1.49 H	55	45.7	16.7
5	15780.00	48.3 AV	54.0	-5.7	1.49 H	55	31.6	16.7

Remarks:

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

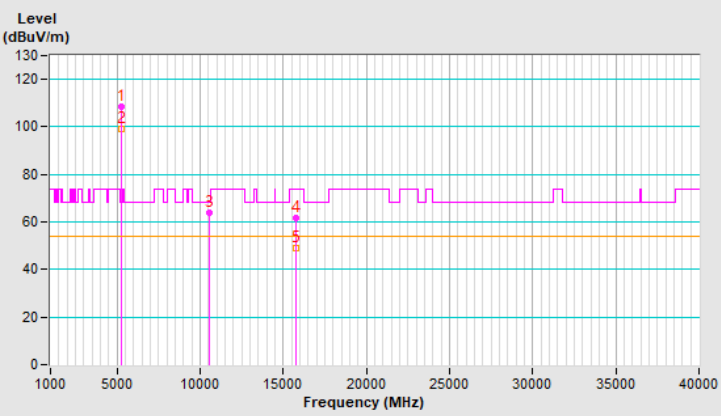


RF Mode	802.11a	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5260.00	108.7 PK			2.07 V	277	104.0	4.7
2	*5260.00	99.0 AV			2.07 V	277	94.3	4.7
3	#10520.00	63.7 PK	68.2	-4.5	3.36 V	138	47.4	16.3
4	15780.00	61.8 PK	74.0	-12.2	3.08 V	151	45.1	16.7
5	15780.00	49.1 AV	54.0	-4.9	3.08 V	151	32.4	16.7

Remarks:

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

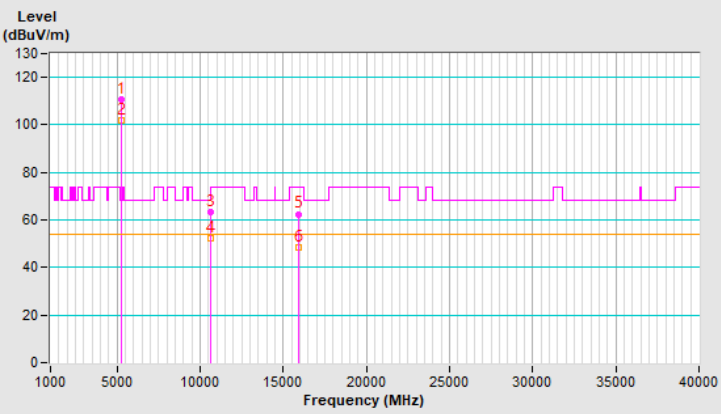


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	110.8 PK			2.16 H	202	106.0	4.8
2	*5300.00	101.7 AV			2.16 H	202	96.9	4.8
3	10600.00	63.3 PK	74.0	-10.7	1.47 H	47	47.4	15.9
4	10600.00	52.3 AV	54.0	-1.7	1.47 H	47	36.4	15.9
5	15900.00	62.5 PK	74.0	-11.5	1.42 H	47	45.9	16.6
6	15900.00	48.6 AV	54.0	-5.4	1.42 H	47	32.0	16.6

Remarks:

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

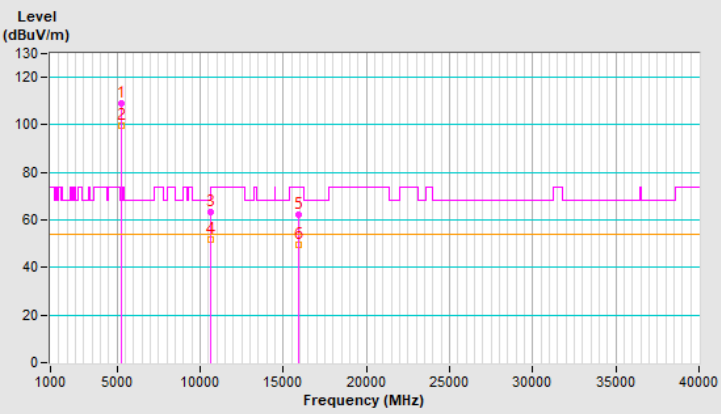


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	109.1 PK			2.11 V	287	104.3	4.8
2	*5300.00	99.5 AV			2.11 V	287	94.7	4.8
3	10600.00	63.2 PK	74.0	-10.8	3.34 V	159	47.3	15.9
4	10600.00	51.9 AV	54.0	-2.1	3.34 V	159	36.0	15.9
5	15900.00	62.3 PK	74.0	-11.7	3.10 V	177	45.7	16.6
6	15900.00	49.5 AV	54.0	-4.5	3.10 V	177	32.9	16.6

Remarks:

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

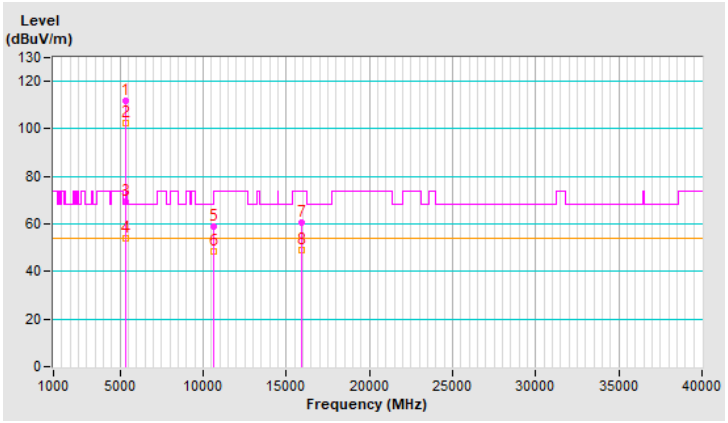


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	111.8 PK			2.07 H	222	106.9	4.9
2	*5320.00	102.2 AV			2.07 H	222	97.3	4.9
3	5350.00	69.2 PK	74.0	-4.8	2.07 H	222	64.2	5.0
4	5350.00	53.8 AV	54.0	-0.2	2.07 H	222	48.8	5.0
5	10640.00	59.0 PK	74.0	-15.0	1.11 H	80	43.2	15.8
6	10640.00	48.3 AV	54.0	-5.7	1.11 H	80	32.5	15.8
7	15960.00	60.6 PK	74.0	-13.4	1.22 H	65	43.9	16.7
8	15960.00	49.2 AV	54.0	-4.8	1.22 H	65	32.5	16.7

Remarks:

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

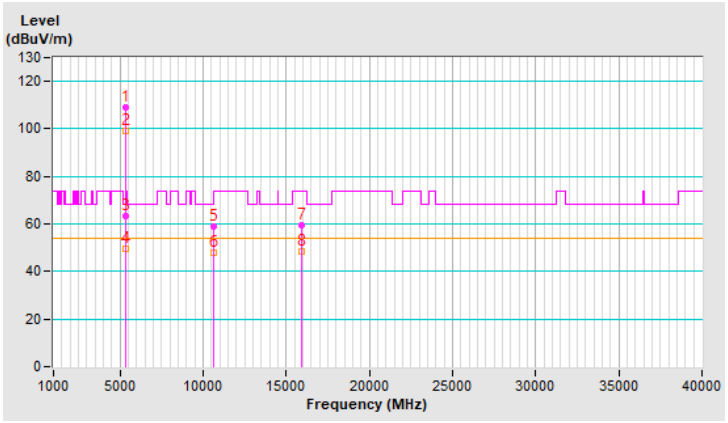


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	108.8 PK			2.08 V	352	103.9	4.9
2	*5320.00	99.3 AV			2.08 V	352	94.4	4.9
3	5350.00	63.5 PK	74.0	-10.5	2.08 V	352	58.5	5.0
4	5350.00	49.4 AV	54.0	-4.6	2.08 V	352	44.4	5.0
5	10640.00	59.0 PK	74.0	-15.0	3.41 V	144	43.2	15.8
6	10640.00	47.7 AV	54.0	-6.3	3.41 V	144	31.9	15.8
7	15960.00	59.5 PK	74.0	-14.5	3.38 V	130	42.8	16.7
8	15960.00	48.4 AV	54.0	-5.6	3.38 V	130	31.7	16.7

Remarks:

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

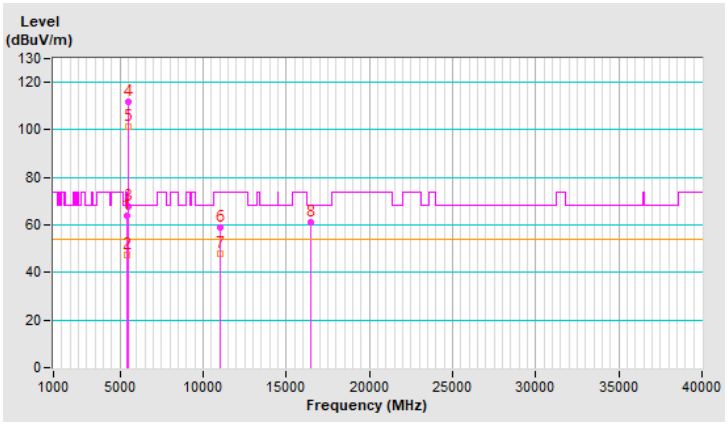


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	64.1 PK	74.0	-9.9	2.05 H	143	58.9	5.2
2	5460.00	47.5 AV	54.0	-6.5	2.05 H	143	42.3	5.2
3	#5466.96	67.8 PK	68.2	-0.4	2.05 H	143	62.6	5.2
4	*5500.00	111.6 PK			2.05 H	143	106.4	5.2
5	*5500.00	101.3 AV			2.05 H	143	96.1	5.2
6	11000.00	58.8 PK	74.0	-15.2	1.14 H	81	42.3	16.5
7	11000.00	48.0 AV	54.0	-6.0	1.14 H	81	31.5	16.5
8	#16500.00	61.2 PK	68.2	-7.0	1.23 H	49	42.6	18.6

Remarks:

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

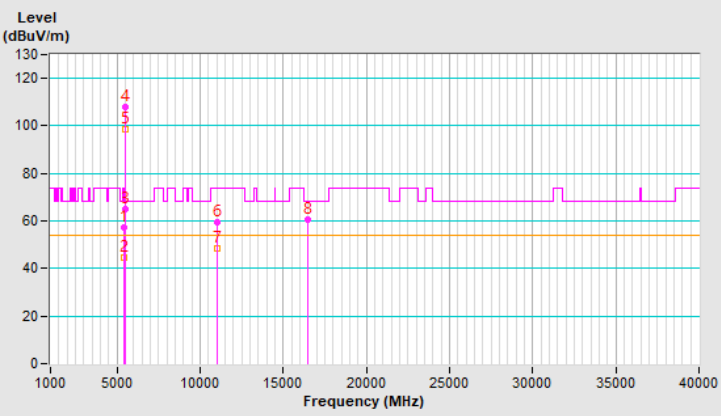


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	57.3 PK	74.0	-16.7	2.13 V	357	52.1	5.2
2	5460.00	44.4 AV	54.0	-9.6	2.13 V	357	39.2	5.2
3	#5466.96	65.1 PK	68.2	-3.1	2.13 V	357	59.9	5.2
4	*5500.00	108.0 PK			2.13 V	357	102.8	5.2
5	*5500.00	98.6 AV			2.13 V	357	93.4	5.2
6	11000.00	59.4 PK	74.0	-14.6	3.35 V	155	42.9	16.5
7	11000.00	48.5 AV	54.0	-5.5	3.35 V	155	32.0	16.5
8	#16500.00	60.7 PK	68.2	-7.5	3.40 V	150	42.1	18.6

Remarks:

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

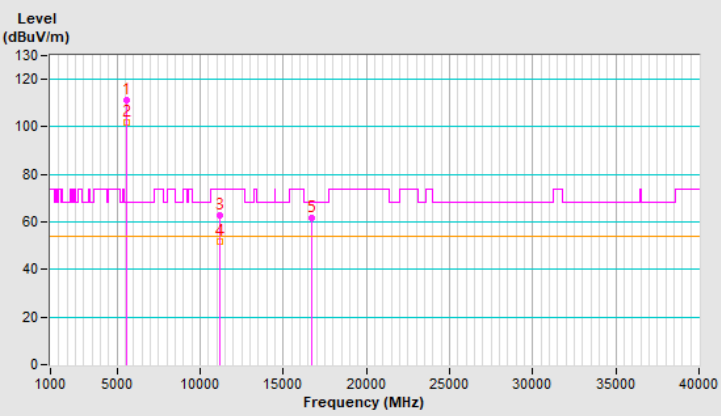


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	111.3 PK			2.12 H	190	105.7	5.6
2	*5580.00	102.0 AV			2.12 H	190	96.4	5.6
3	11160.00	62.7 PK	74.0	-11.3	1.47 H	56	46.1	16.6
4	11160.00	52.0 AV	54.0	-2.0	1.47 H	56	35.4	16.6
5	#16740.00	61.7 PK	68.2	-6.5	1.46 H	55	41.7	20.0

Remarks:

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

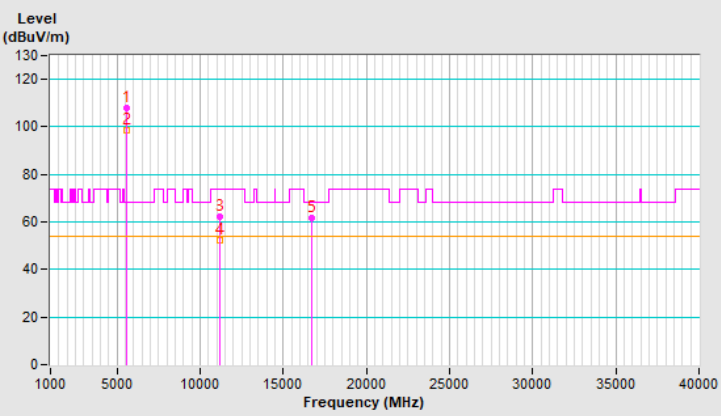


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	108.0 PK			2.16 V	356	102.4	5.6
2	*5580.00	98.8 AV			2.16 V	356	93.2	5.6
3	11160.00	62.4 PK	74.0	-11.6	3.36 V	141	45.8	16.6
4	11160.00	52.3 AV	54.0	-1.7	3.36 V	141	35.7	16.6
5	#16740.00	61.6 PK	68.2	-6.6	3.35 V	151	41.6	20.0

Remarks:

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

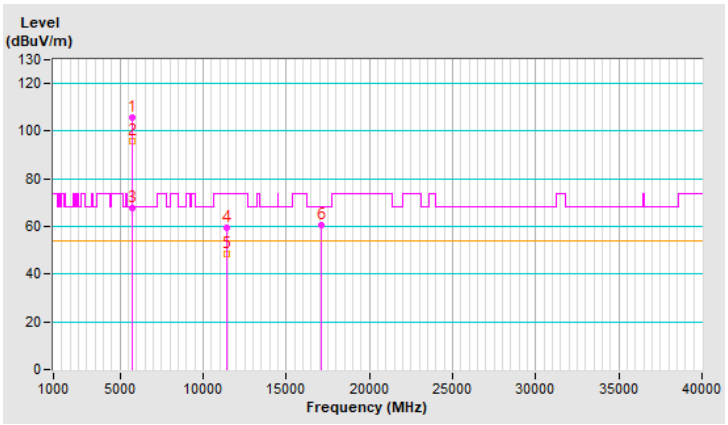


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	105.6 PK			2.01 H	210	99.9	5.7
2	*5700.00	96.0 AV			2.01 H	210	90.3	5.7
3	#5725.00	67.9 PK	68.2	-0.3	2.01 H	210	62.2	5.7
4	11400.00	59.4 PK	74.0	-14.6	1.21 H	62	42.3	17.1
5	11400.00	48.3 AV	54.0	-5.7	1.21 H	62	31.2	17.1
6	#17100.00	60.4 PK	68.2	-7.8	1.22 H	68	40.3	20.1

Remarks:

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

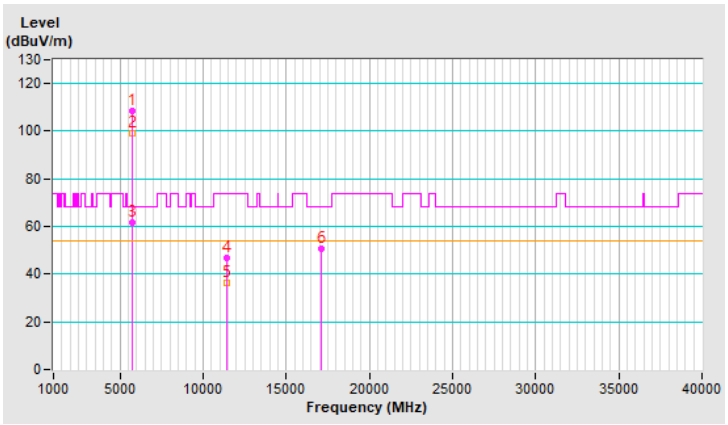


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	108.6 PK			2.11 V	342	102.9	5.7
2	*5700.00	99.0 AV			2.11 V	342	93.3	5.7
3	#5725.00	61.5 PK	68.2	-6.7	2.11 V	342	55.8	5.7
4	11400.00	47.0 PK	74.0	-27.0	3.54 V	163	29.9	17.1
5	11400.00	36.1 AV	54.0	-17.9	3.54 V	163	19.0	17.1
6	#17100.00	50.6 PK	68.2	-17.6	3.47 V	139	30.5	20.1

Remarks:

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

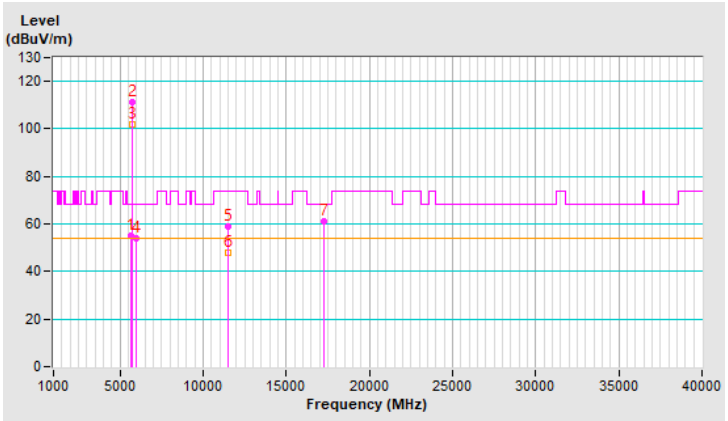


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5627.26	55.2 PK	68.2	-13.0	2.03 H	210	49.5	5.7
2	*5745.00	111.4 PK			2.03 H	210	105.6	5.8
3	*5745.00	102.1 AV			2.03 H	210	96.3	5.8
4	#5960.52	53.9 PK	68.2	-14.3	2.03 H	210	47.4	6.5
5	11490.00	58.8 PK	74.0	-15.2	1.10 H	69	41.5	17.3
6	11490.00	48.1 AV	54.0	-5.9	1.10 H	69	30.8	17.3
7	#17235.00	61.2 PK	68.2	-7.0	1.21 H	63	40.6	20.6

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.

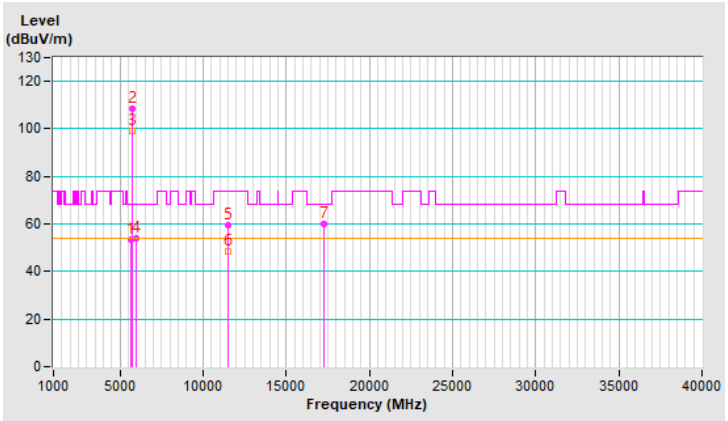


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5630.69	53.4 PK	68.2	-14.8	1.32 V	175	47.6	5.8
2	*5745.00	108.6 PK			1.32 V	175	102.8	5.8
3	*5745.00	98.9 AV			1.32 V	175	93.1	5.8
4	#5953.16	54.1 PK	68.2	-14.1	1.32 V	175	47.6	6.5
5	11490.00	59.7 PK	74.0	-14.3	3.32 V	140	42.4	17.3
6	11490.00	48.5 AV	54.0	-5.5	3.32 V	140	31.2	17.3
7	#17235.00	60.1 PK	68.2	-8.1	3.42 V	139	39.5	20.6

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.

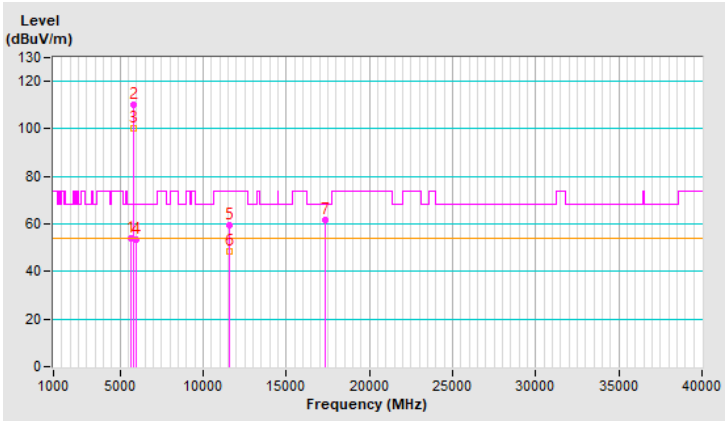


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5645.65	53.9 PK	68.2	-14.3	2.12 H	210	48.2	5.7
2	*5785.00	109.9 PK			2.12 H	210	104.0	5.9
3	*5785.00	100.4 AV			2.12 H	210	94.5	5.9
4	#5993.03	53.2 PK	68.2	-15.0	2.12 H	210	46.7	6.5
5	11570.00	59.5 PK	74.0	-14.5	1.21 H	61	42.4	17.1
6	11570.00	48.4 AV	54.0	-5.6	1.21 H	61	31.3	17.1
7	#17355.00	61.5 PK	68.2	-6.7	1.18 H	56	40.4	21.1

Remarks:

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

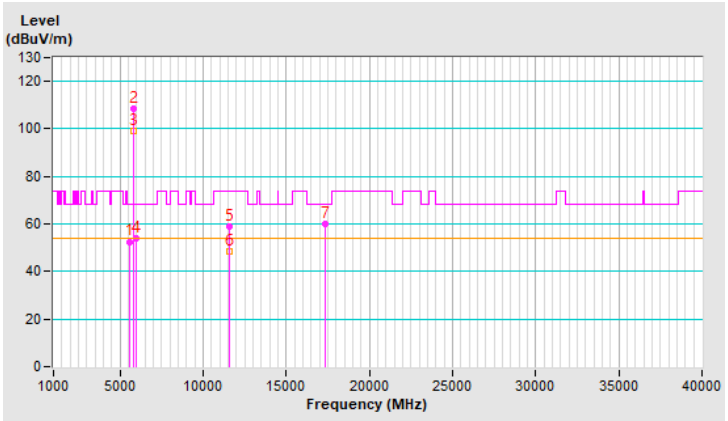


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5606.04	52.6 PK	68.2	-15.6	1.46 V	175	47.0	5.6
2	*5785.00	108.4 PK			1.46 V	175	102.5	5.9
3	*5785.00	98.9 AV			1.46 V	175	93.0	5.9
4	#5974.56	54.1 PK	68.2	-14.1	1.46 V	175	47.6	6.5
5	11570.00	59.1 PK	74.0	-14.9	3.33 V	165	42.0	17.1
6	11570.00	48.3 AV	54.0	-5.7	3.33 V	165	31.2	17.1
7	#17355.00	60.2 PK	68.2	-8.0	3.44 V	154	39.1	21.1

Remarks:

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

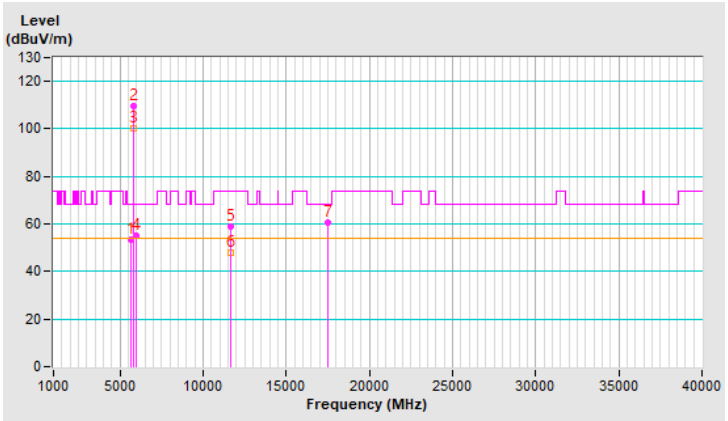


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5627.07	53.6 PK	68.2	-14.6	2.22 H	209	47.9	5.7
2	*5825.00	109.5 PK			2.22 H	209	103.5	6.0
3	*5825.00	100.0 AV			2.22 H	209	94.0	6.0
4	#5942.65	54.9 PK	68.2	-13.3	2.22 H	209	48.4	6.5
5	11650.00	58.7 PK	74.0	-15.3	1.21 H	76	42.0	16.7
6	11650.00	47.9 AV	54.0	-6.1	1.21 H	76	31.2	16.7
7	#17475.00	60.4 PK	68.2	-7.8	1.22 H	46	37.9	22.5

Remarks:

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

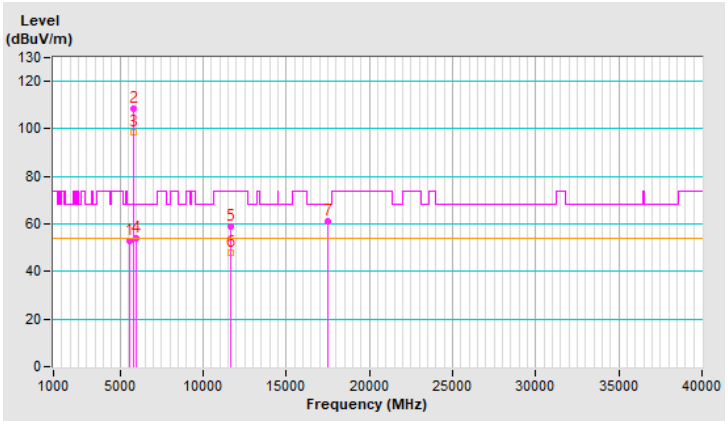


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5606.04	52.8 PK	68.2	-15.4	2.10 V	169	47.2	5.6
2	*5825.00	108.6 PK			2.10 V	169	102.6	6.0
3	*5825.00	98.8 AV			2.10 V	169	92.8	6.0
4	#5953.27	54.2 PK	68.2	-14.0	2.10 V	169	47.7	6.5
5	11650.00	58.9 PK	74.0	-15.1	3.30 V	138	42.2	16.7
6	11650.00	48.0 AV	54.0	-6.0	3.30 V	138	31.3	16.7
7	#17475.00	60.9 PK	68.2	-7.3	3.32 V	132	38.4	22.5

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.

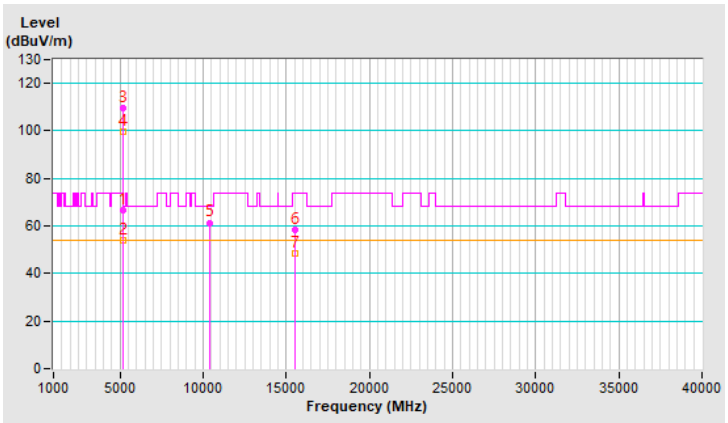


RF Mode	802.11n (HT20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	66.8 PK	74.0	-7.2	2.16 H	208	61.6	5.2
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**2.16 H**	**208**	**48.7**	**5.2**
3	*5180.00	109.8 PK			2.16 H	208	104.7	5.1
4	*5180.00	99.7 AV			2.16 H	208	94.6	5.1
5	#10360.00	61.4 PK	68.2	-6.8	1.16 H	304	45.4	16.0
6	15540.00	58.6 PK	74.0	-15.4	1.16 H	257	41.2	17.4
7	15540.00	48.7 AV	54.0	-5.3	1.16 H	257	31.3	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.

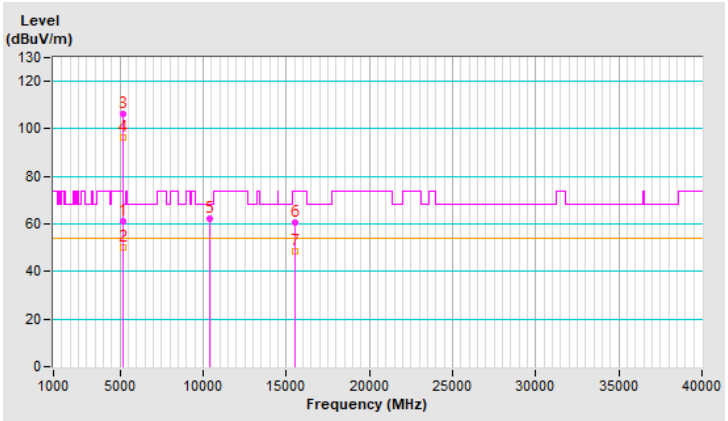


RF Mode	802.11n (HT20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	61.2 PK	74.0	-12.8	2.54 V	347	56.0	5.2
2	5150.00	50.3 AV	54.0	-3.7	2.54 V	347	45.1	5.2
3	*5180.00	106.2 PK			2.54 V	347	101.1	5.1
4	*5180.00	96.3 AV			2.54 V	347	91.2	5.1
5	#10360.00	62.0 PK	68.2	-6.2	3.28 V	175	46.0	16.0
6	15540.00	60.6 PK	74.0	-13.4	3.08 V	170	43.2	17.4
7	15540.00	48.4 AV	54.0	-5.6	3.08 V	170	31.0	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.

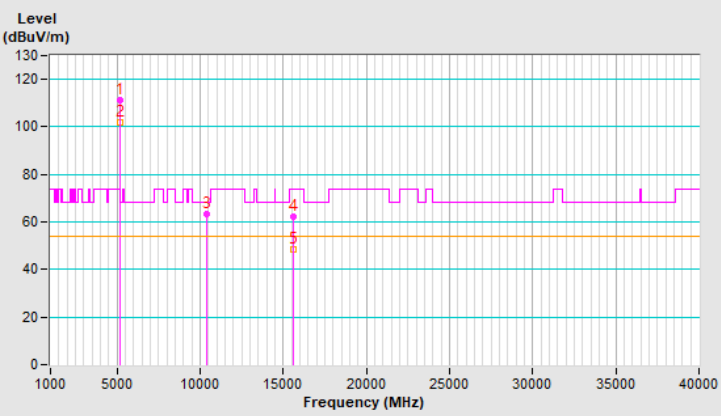


RF Mode	802.11n (HT20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	111.5 PK			2.11 H	208	106.4	5.1
2	*5200.00	101.7 AV			2.11 H	208	96.6	5.1
3	#10400.00	63.3 PK	68.2	-4.9	1.14 H	287	47.2	16.1
4	15600.00	62.1 PK	74.0	-11.9	1.16 H	255	44.8	17.3
5	15600.00	48.7 AV	54.0	-5.3	1.16 H	255	31.4	17.3

Remarks:

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

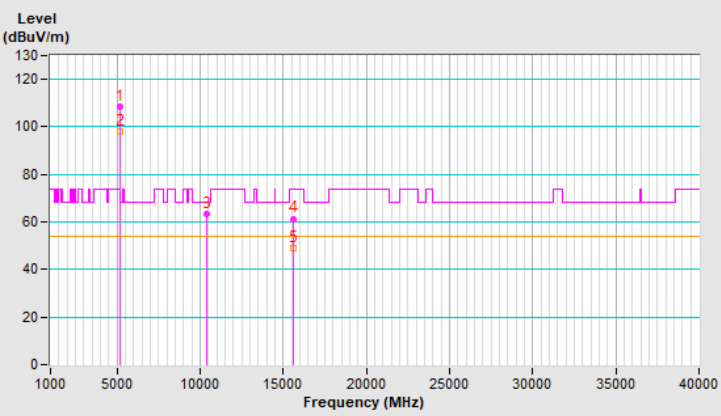


RF Mode	802.11n (HT20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	108.5 PK			2.48 V	337	103.4	5.1
2	*5200.00	98.2 AV			2.48 V	337	93.1	5.1
3	#10400.00	63.4 PK	68.2	-4.8	3.40 V	151	47.3	16.1
4	15600.00	61.4 PK	74.0	-12.6	3.07 V	140	44.1	17.3
5	15600.00	49.2 AV	54.0	-4.8	3.07 V	140	31.9	17.3

Remarks:

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

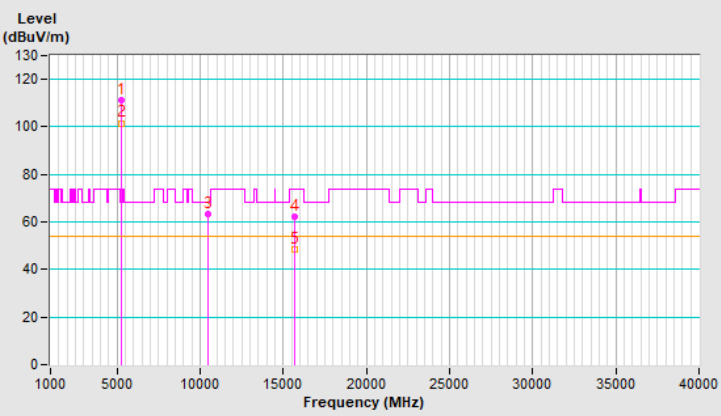


RF Mode	802.11n (HT20)	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	111.3 PK			2.15 H	197	106.4	4.9
2	*5240.00	101.6 AV			2.15 H	197	96.7	4.9
3	#10480.00	63.1 PK	68.2	-5.1	1.11 H	309	46.8	16.3
4	15720.00	62.3 PK	74.0	-11.7	1.13 H	270	45.5	16.8
5	15720.00	48.7 AV	54.0	-5.3	1.13 H	270	31.9	16.8

Remarks:

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

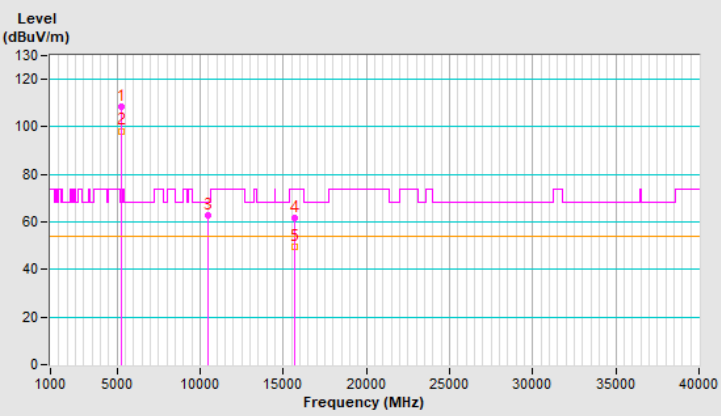


RF Mode	802.11n (HT20)	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	108.3 PK			2.54 V	335	103.4	4.9
2	*5240.00	98.3 AV			2.54 V	335	93.4	4.9
3	#10480.00	62.6 PK	68.2	-5.6	3.29 V	156	46.3	16.3
4	15720.00	61.9 PK	74.0	-12.1	3.06 V	151	45.1	16.8
5	15720.00	49.5 AV	54.0	-4.5	3.06 V	151	32.7	16.8

Remarks:

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

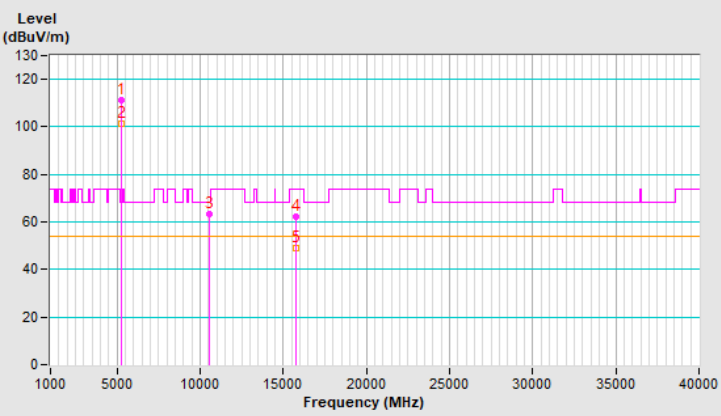


RF Mode	802.11n (HT20)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5260.00	111.1 PK			2.21 H	200	106.4	4.7
2	*5260.00	101.5 AV			2.21 H	200	96.8	4.7
3	#10520.00	63.5 PK	68.2	-4.7	1.10 H	305	47.2	16.3
4	15780.00	62.1 PK	74.0	-11.9	1.22 H	260	45.4	16.7
5	15780.00	49.0 AV	54.0	-5.0	1.22 H	260	32.3	16.7

Remarks:

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

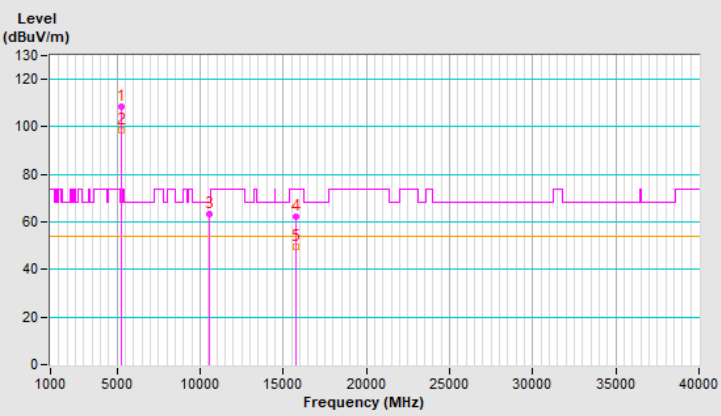


RF Mode	802.11n (HT20)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5260.00	108.6 PK			2.55 V	340	103.9	4.7
2	*5260.00	98.4 AV			2.55 V	340	93.7	4.7
3	#10520.00	63.4 PK	68.2	-4.8	3.35 V	163	47.1	16.3
4	15780.00	62.4 PK	74.0	-11.6	3.01 V	153	45.7	16.7
5	15780.00	49.8 AV	54.0	-4.2	3.01 V	153	33.1	16.7

Remarks:

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

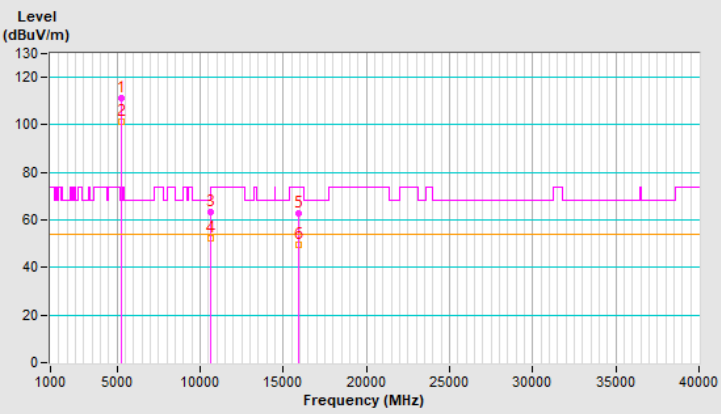


RF Mode	802.11n (HT20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	111.1 PK			2.16 H	196	106.3	4.8
2	*5300.00	101.3 AV			2.16 H	196	96.5	4.8
3	10600.00	63.2 PK	74.0	-10.8	1.17 H	272	47.3	15.9
4	10600.00	52.3 AV	54.0	-1.7	1.17 H	272	36.4	15.9
5	15900.00	62.8 PK	74.0	-11.2	1.12 H	313	46.2	16.6
6	15900.00	49.6 AV	54.0	-4.4	1.12 H	313	33.0	16.6

Remarks:

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

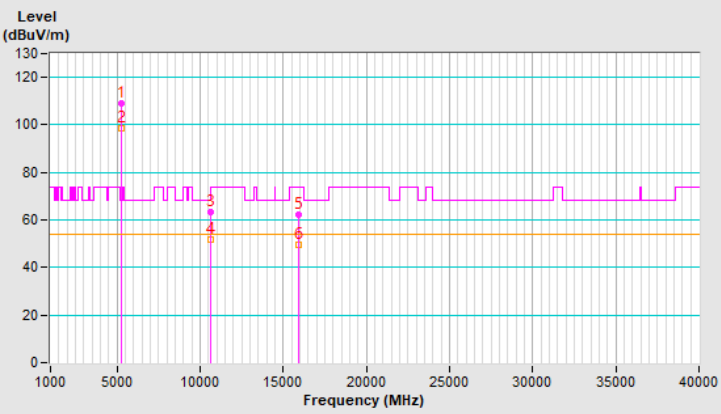


RF Mode	802.11n (HT20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	109.1 PK			2.52 V	353	104.3	4.8
2	*5300.00	98.6 AV			2.52 V	353	93.8	4.8
3	10600.00	63.3 PK	74.0	-10.7	3.33 V	154	47.4	15.9
4	10600.00	52.0 AV	54.0	-2.0	3.33 V	154	36.1	15.9
5	15900.00	62.1 PK	74.0	-11.9	3.03 V	141	45.5	16.6
6	15900.00	49.4 AV	54.0	-4.6	3.03 V	141	32.8	16.6

Remarks:

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

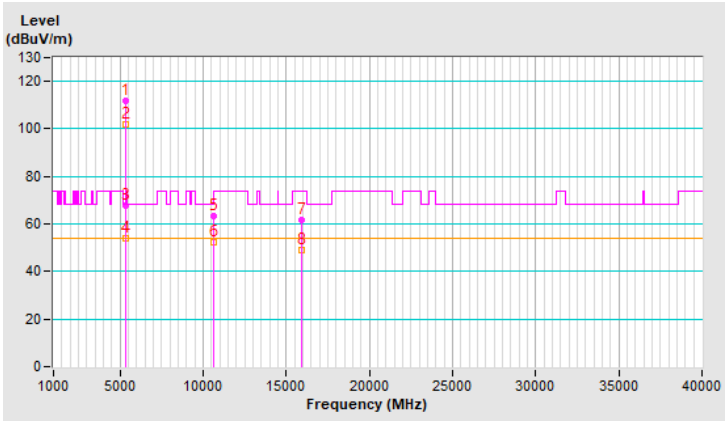


RF Mode	802.11n (HT20)	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	111.6 PK			2.11 H	207	106.7	4.9
2	*5320.00	102.0 AV			2.11 H	207	97.1	4.9
3	5350.00	67.7 PK	74.0	-6.3	2.11 H	207	62.7	5.0
4	5350.00	53.8 AV	54.0	-0.2	2.11 H	207	48.8	5.0
5	10640.00	63.2 PK	74.0	-10.8	1.16 H	281	47.4	15.8
6	10640.00	52.1 AV	54.0	-1.9	1.16 H	281	36.3	15.8
7	15960.00	61.9 PK	74.0	-12.1	1.11 H	317	45.2	16.7
8	15960.00	49.0 AV	54.0	-5.0	1.11 H	317	32.3	16.7

Remarks:

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

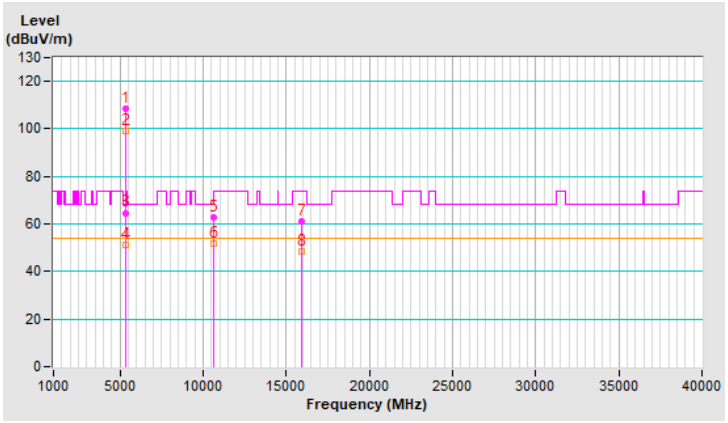


RF Mode	802.11n (HT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	108.4 PK			2.55 V	341	103.5	4.9
2	*5320.00	99.3 AV			2.55 V	341	94.4	4.9
3	5350.00	64.7 PK	74.0	-9.3	2.55 V	341	59.7	5.0
4	5350.00	51.1 AV	54.0	-2.9	2.55 V	341	46.1	5.0
5	10640.00	62.6 PK	74.0	-11.4	3.27 V	165	46.8	15.8
6	10640.00	51.9 AV	54.0	-2.1	3.27 V	165	36.1	15.8
7	15960.00	61.0 PK	74.0	-13.0	3.02 V	164	44.3	16.7
8	15960.00	48.5 AV	54.0	-5.5	3.02 V	164	31.8	16.7

Remarks:

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

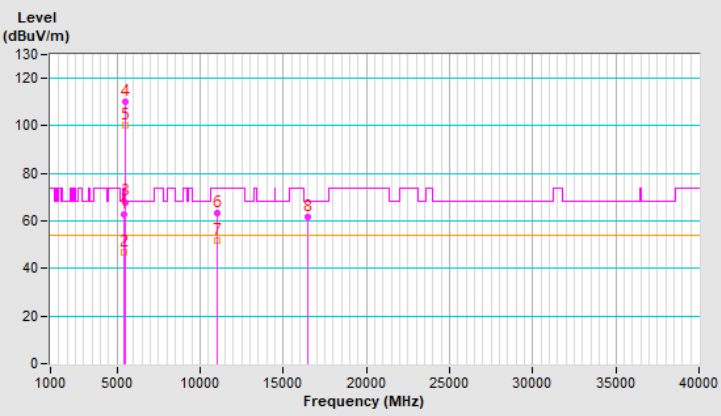


RF Mode	802.11n (HT20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	63.0 PK	74.0	-11.0	2.11 H	224	57.8	5.2
2	5460.00	46.8 AV	54.0	-7.2	2.11 H	224	41.6	5.2
3	#5470.00	68.0 PK	68.2	-0.2	2.11 H	224	62.8	5.2
4	*5500.00	110.0 PK			2.11 H	224	104.8	5.2
5	*5500.00	100.2 AV			2.11 H	224	95.0	5.2
6	11000.00	63.1 PK	74.0	-10.9	1.15 H	280	46.6	16.5
7	11000.00	52.0 AV	54.0	-2.0	1.15 H	280	35.5	16.5
8	#16500.00	61.8 PK	68.2	-6.4	1.09 H	311	43.2	18.6

Remarks:

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

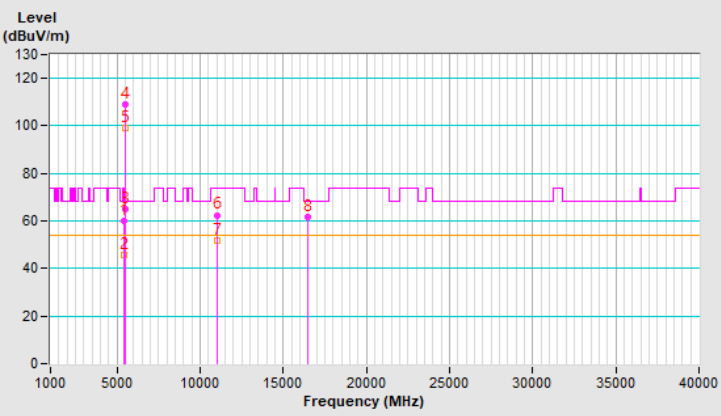


RF Mode	802.11n (HT20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	59.8 PK	74.0	-14.2	1.53 V	358	54.6	5.2
2	5460.00	45.9 AV	54.0	-8.1	1.53 V	358	40.7	5.2
3	#5470.00	64.8 PK	68.2	-3.4	1.53 V	358	59.6	5.2
4	*5500.00	108.8 PK			1.53 V	358	103.6	5.2
5	*5500.00	99.1 AV			1.53 V	358	93.9	5.2
6	11000.00	62.5 PK	74.0	-11.5	3.17 V	160	46.0	16.5
7	11000.00	51.8 AV	54.0	-2.2	3.17 V	160	35.3	16.5
8	#16500.00	61.5 PK	68.2	-6.7	3.00 V	171	42.9	18.6

Remarks:

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

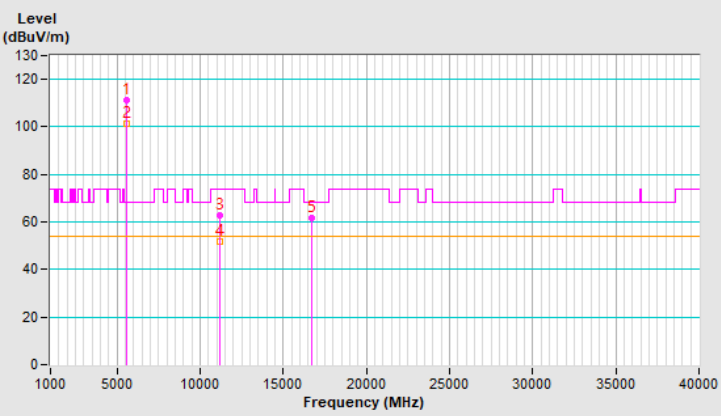


RF Mode	802.11n (HT20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	111.1 PK			2.13 H	195	105.5	5.6
2	*5580.00	101.4 AV			2.13 H	195	95.8	5.6
3	11160.00	62.8 PK	74.0	-11.2	1.14 H	278	46.2	16.6
4	11160.00	51.9 AV	54.0	-2.1	1.14 H	278	35.3	16.6
5	#16740.00	61.8 PK	68.2	-6.4	1.16 H	286	41.8	20.0

Remarks:

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

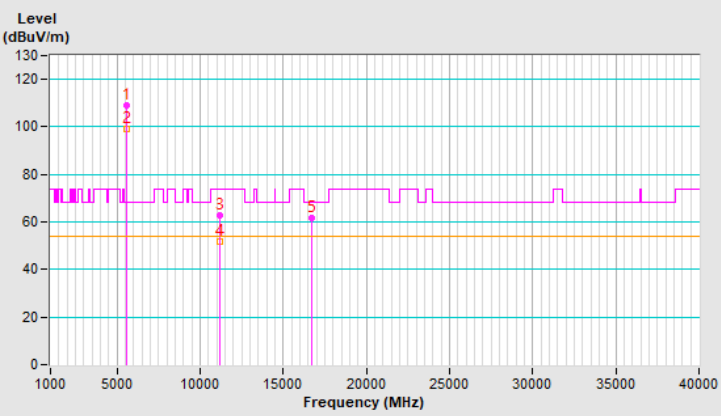


RF Mode	802.11n (HT20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	109.2 PK			2.16 V	179	103.6	5.6
2	*5580.00	99.3 AV			2.16 V	179	93.7	5.6
3	11160.00	62.9 PK	74.0	-11.1	3.33 V	136	46.3	16.6
4	11160.00	51.9 AV	54.0	-2.1	3.33 V	136	35.3	16.6
5	#16740.00	61.8 PK	68.2	-6.4	2.97 V	154	41.8	20.0

Remarks:

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

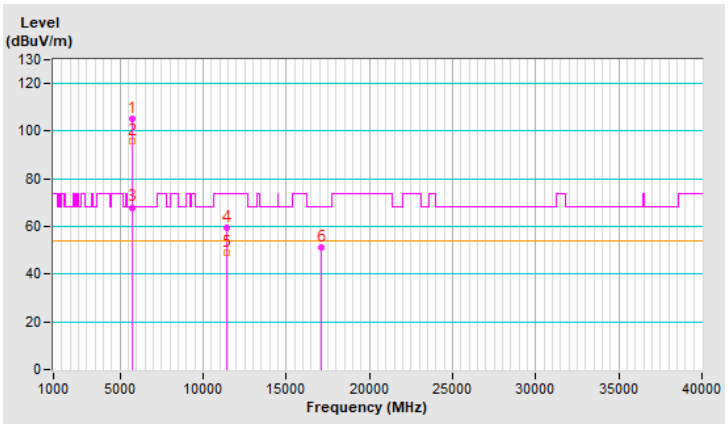


RF Mode	802.11n (HT20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	105.4 PK			2.04 H	212	99.7	5.7
2	*5700.00	95.6 AV			2.04 H	212	89.9	5.7
3	#5725.00	68.0 PK	68.2	-0.2	2.04 H	212	62.3	5.7
4	11400.00	59.7 PK	74.0	-14.3	1.40 H	55	42.6	17.1
5	11400.00	49.1 AV	54.0	-4.9	1.40 H	55	32.0	17.1
6	#17100.00	51.0 PK	68.2	-17.2	1.38 H	70	30.9	20.1

Remarks:

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

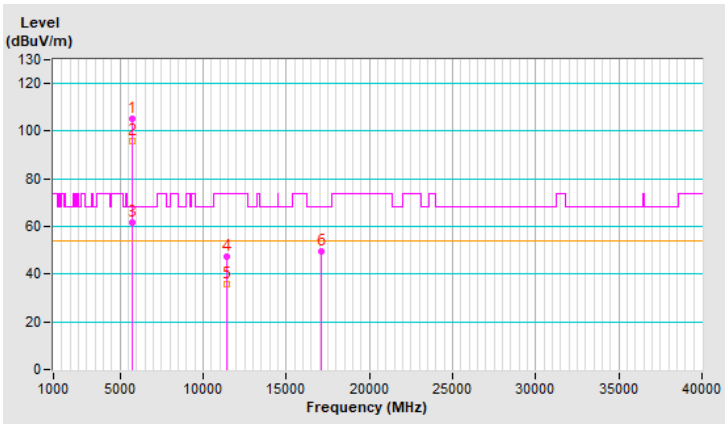


RF Mode	802.11n (HT20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	105.4 PK			2.15 V	180	99.7	5.7
2	*5700.00	95.7 AV			2.15 V	180	90.0	5.7
3	#5725.00	61.8 PK	68.2	-6.4	1.00 V	0	56.1	5.7
4	11400.00	47.3 PK	74.0	-26.7	3.49 V	128	30.2	17.1
5	11400.00	35.9 AV	54.0	-18.1	3.49 V	128	18.8	17.1
6	#17100.00	49.6 PK	68.2	-18.6	3.58 V	154	29.5	20.1

Remarks:

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

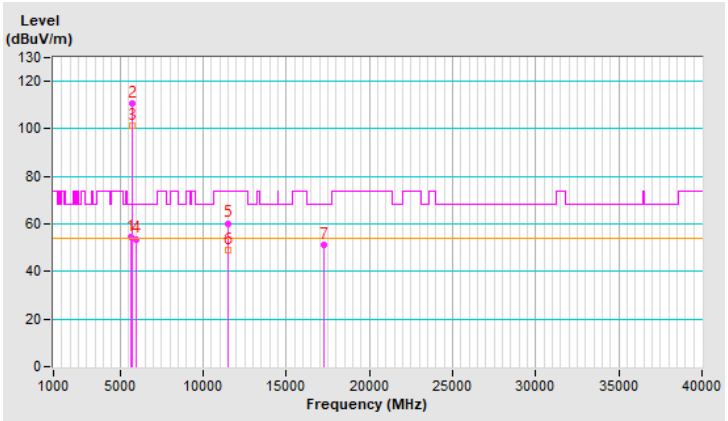


RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5643.92	54.5 PK	68.2	-13.7	2.10 H	227	48.8	5.7
2	*5745.00	110.9 PK			2.10 H	227	105.1	5.8
3	*5745.00	101.2 AV			2.10 H	227	95.4	5.8
4	#5981.79	53.7 PK	68.2	-14.5	2.10 H	227	47.2	6.5
5	11490.00	60.3 PK	74.0	-13.7	1.50 H	56	43.0	17.3
6	11490.00	49.2 AV	54.0	-4.8	1.50 H	56	31.9	17.3
7	#17235.00	51.3 PK	68.2	-16.9	1.39 H	65	30.7	20.6

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.

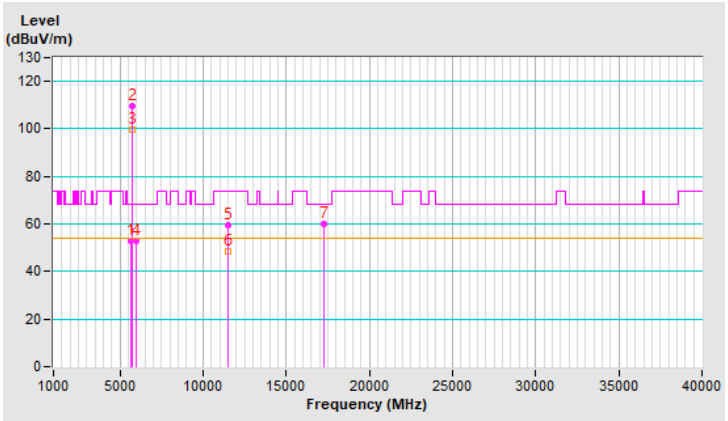


RF Mode	802.11n (HT20)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5641.27	53.1 PK	68.2	-15.1	2.10 V	174	47.4	5.7
2	*5745.00	109.4 PK			2.10 V	174	103.6	5.8
3	*5745.00	99.6 AV			2.10 V	174	93.8	5.8
4	#6006.56	53.1 PK	68.2	-15.1	2.10 V	174	46.7	6.4
5	11490.00	59.6 PK	74.0	-14.4	3.10 V	106	42.3	17.3
6	11490.00	48.6 AV	54.0	-5.4	3.10 V	106	31.3	17.3
7	#17235.00	59.8 PK	68.2	-8.4	3.27 V	156	39.2	20.6

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.

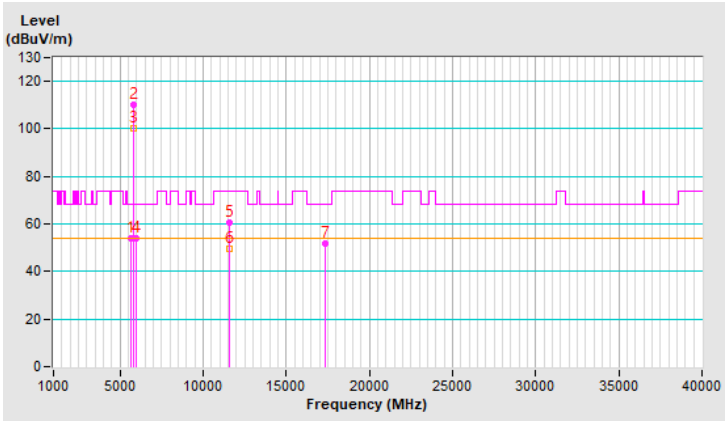


RF Mode	802.11n (HT20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5646.67	54.1 PK	68.2	-14.1	2.11 H	210	48.4	5.7
2	*5785.00	110.2 PK			2.11 H	210	104.3	5.9
3	*5785.00	100.3 AV			2.11 H	210	94.4	5.9
4	#5952.67	54.0 PK	68.2	-14.2	2.11 H	210	47.5	6.5
5	11570.00	60.8 PK	74.0	-13.2	1.45 H	53	43.7	17.1
6	11570.00	49.7 AV	54.0	-4.3	1.45 H	53	32.6	17.1
7	#17355.00	51.9 PK	68.2	-16.3	1.48 H	64	30.8	21.1

Remarks:

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

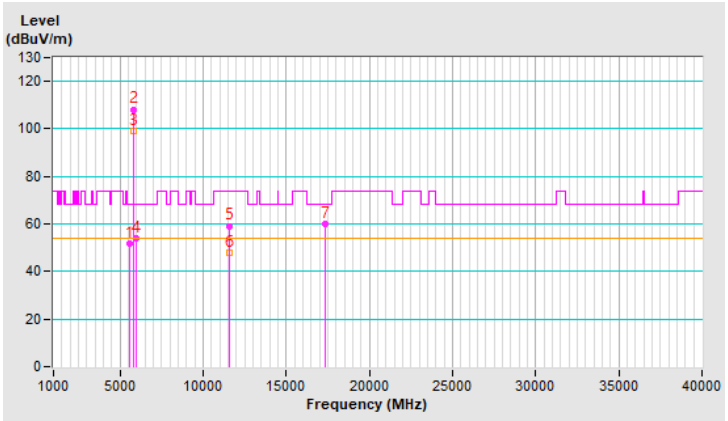


RF Mode	802.11n (HT20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5614.69	51.8 PK	68.2	-16.4	1.43 V	175	46.1	5.7
2	*5785.00	108.2 PK			1.43 V	175	102.3	5.9
3	*5785.00	99.0 AV			1.43 V	175	93.1	5.9
4	#5984.42	53.9 PK	68.2	-14.3	1.43 V	175	47.4	6.5
5	11570.00	59.2 PK	74.0	-14.8	3.11 V	134	42.1	17.1
6	11570.00	47.9 AV	54.0	-6.1	3.11 V	134	30.8	17.1
7	#17355.00	60.1 PK	68.2	-8.1	3.34 V	166	39.0	21.1

Remarks:

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

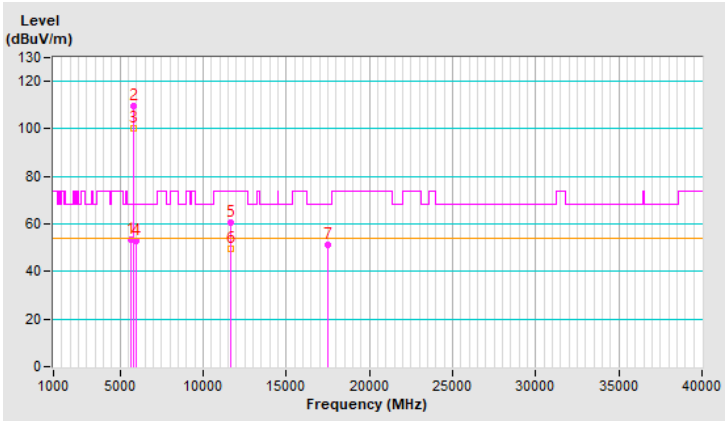


RF Mode	802.11n (HT20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5636.87	53.4 PK	68.2	-14.8	2.20 H	211	47.7	5.7
2	*5825.00	109.4 PK			2.20 H	211	103.4	6.0
3	*5825.00	100.0 AV			2.20 H	211	94.0	6.0
4	#5959.00	53.0 PK	68.2	-15.2	2.20 H	211	46.5	6.5
5	11650.00	60.5 PK	74.0	-13.5	1.48 H	51	43.8	16.7
6	11650.00	49.6 AV	54.0	-4.4	1.48 H	51	32.9	16.7
7	#17475.00	51.0 PK	68.2	-17.2	1.40 H	47	28.5	22.5

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.

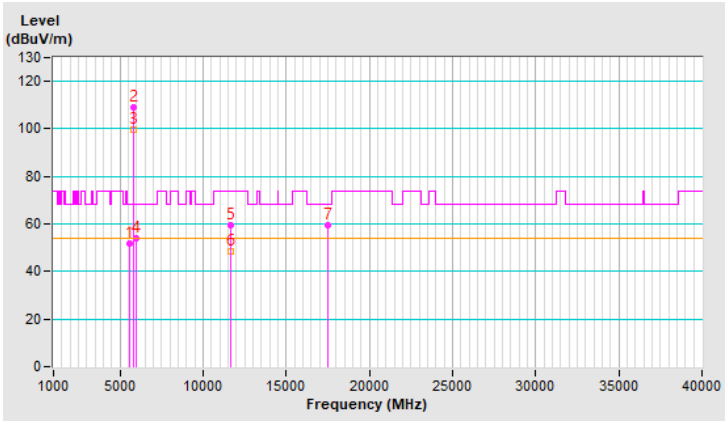


RF Mode	802.11n (HT20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5596.87	51.9 PK	68.2	-16.3	1.44 V	177	46.3	5.6
2	*5825.00	109.1 PK			1.44 V	177	103.1	6.0
3	*5825.00	99.8 AV			1.44 V	177	93.8	6.0
4	#5976.45	53.9 PK	68.2	-14.3	1.44 V	177	47.4	6.5
5	11650.00	59.3 PK	74.0	-14.7	3.09 V	107	42.6	16.7
6	11650.00	48.4 AV	54.0	-5.6	3.09 V	107	31.7	16.7
7	#17475.00	59.7 PK	68.2	-8.5	3.26 V	160	37.2	22.5

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.

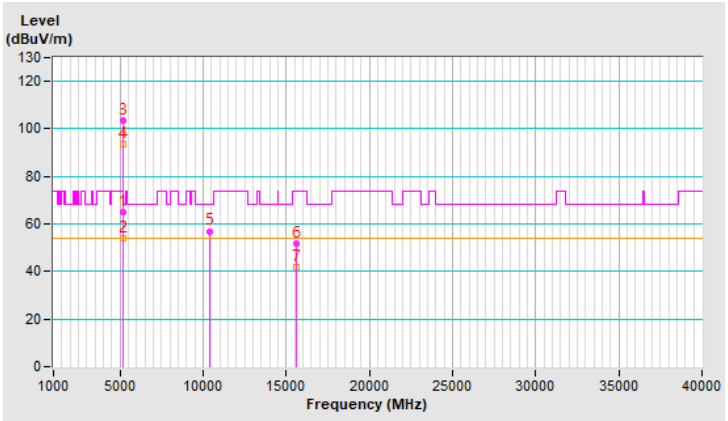


RF Mode	802.11n (HT40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	65.0 PK	74.0	-9.0	2.26 H	208	59.8	5.2
2	**5150.00**	**53.9 AV**	**54.0**	**-0.1**	**2.26 H**	**208**	**48.7**	**5.2**
3	*5190.00	103.6 PK			2.26 H	208	98.5	5.1
4	*5190.00	93.6 AV			2.26 H	208	88.5	5.1
5	#10380.00	57.0 PK	68.2	-11.2	1.16 H	316	41.0	16.0
6	15570.00	52.0 PK	74.0	-22.0	1.18 H	298	34.6	17.4
7	15570.00	41.7 AV	54.0	-12.3	1.18 H	298	24.3	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.

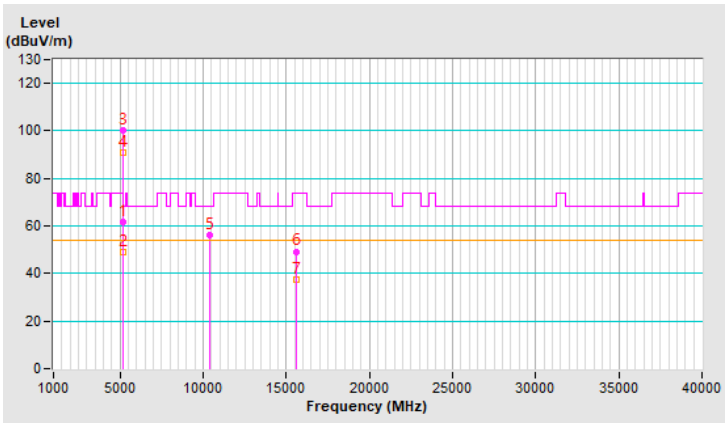


RF Mode	802.11n (HT40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	61.5 PK	74.0	-12.5	1.32 V	0	56.3	5.2
2	5150.00	49.1 AV	54.0	-4.9	1.32 V	0	43.9	5.2
3	*5190.00	100.3 PK			1.32 V	0	95.2	5.1
4	*5190.00	90.7 AV			1.32 V	0	85.6	5.1
5	#10380.00	56.2 PK	68.2	-12.0	3.48 V	152	40.2	16.0
6	15570.00	49.3 PK	74.0	-24.7	3.20 V	184	31.9	17.4
7	15570.00	37.6 AV	54.0	-16.4	3.20 V	184	20.2	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.

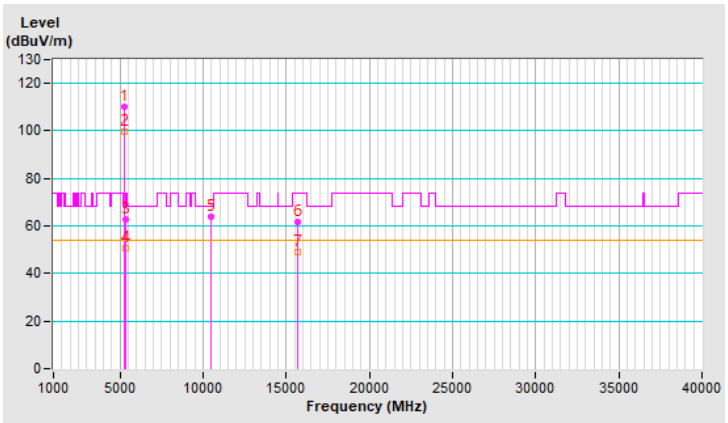


RF Mode	802.11n (HT40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5230.00	110.3 PK			2.30 H	209	105.4	4.9
2	*5230.00	99.7 AV			2.30 H	209	94.8	4.9
3	5350.00	62.7 PK	74.0	-11.3	2.30 H	209	57.7	5.0
4	5350.00	50.5 AV	54.0	-3.5	2.30 H	209	45.5	5.0
5	#10460.00	63.9 PK	68.2	-4.3	1.15 H	315	47.7	16.2
6	15690.00	61.5 PK	74.0	-12.5	1.16 H	275	44.7	16.8
7	15690.00	48.9 AV	54.0	-5.1	1.16 H	275	32.1	16.8

Remarks:

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

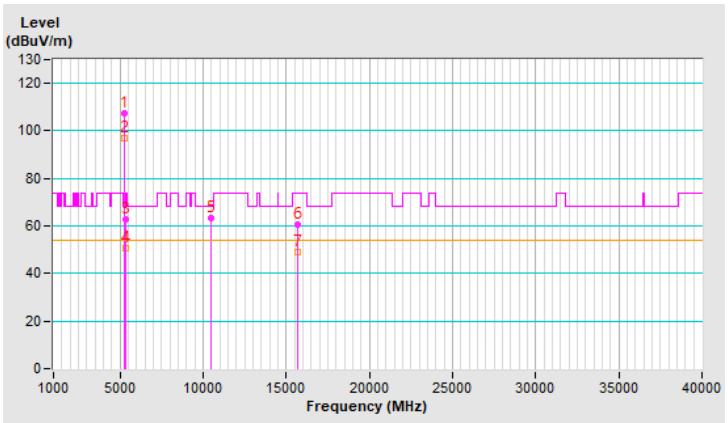


RF Mode	802.11n (HT40)	**Channel**	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5230.00	107.5 PK			1.37 V	7	102.6	4.9
2	*5230.00	96.8 AV			1.37 V	7	91.9	4.9
3	5350.00	62.8 PK	74.0	-11.2	1.37 V	7	57.8	5.0
4	5350.00	50.9 AV	54.0	-3.1	1.37 V	7	45.9	5.0
5	#10460.00	63.1 PK	68.2	-5.1	3.43 V	158	46.9	16.2
6	15690.00	60.8 PK	74.0	-13.2	3.27 V	168	44.0	16.8
7	15690.00	48.9 AV	54.0	-5.1	3.27 V	168	32.1	16.8

Remarks:

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

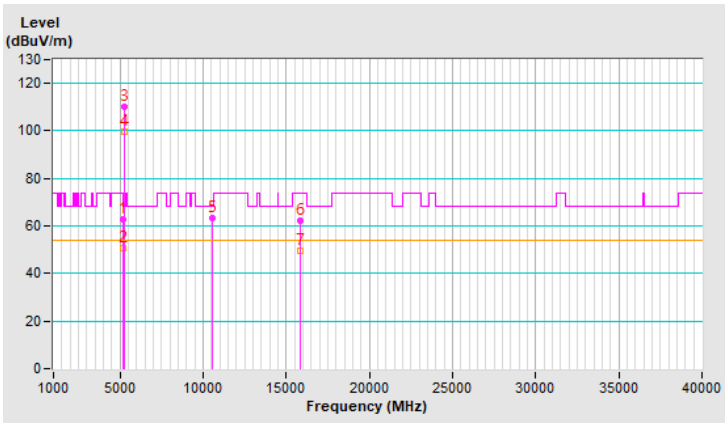


RF Mode	802.11n (HT40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	62.7 PK	74.0	-11.3	2.26 H	199	57.5	5.2
2	5150.00	50.6 AV	54.0	-3.4	2.26 H	199	45.4	5.2
3	*5270.00	110.4 PK			2.26 H	199	105.7	4.7
4	*5270.00	99.8 AV			2.26 H	199	95.1	4.7
5	#10540.00	63.3 PK	68.2	-4.9	1.14 H	315	47.1	16.2
6	15810.00	62.0 PK	74.0	-12.0	1.18 H	294	45.4	16.6
7	15810.00	49.6 AV	54.0	-4.4	1.18 H	294	33.0	16.6

Remarks:

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

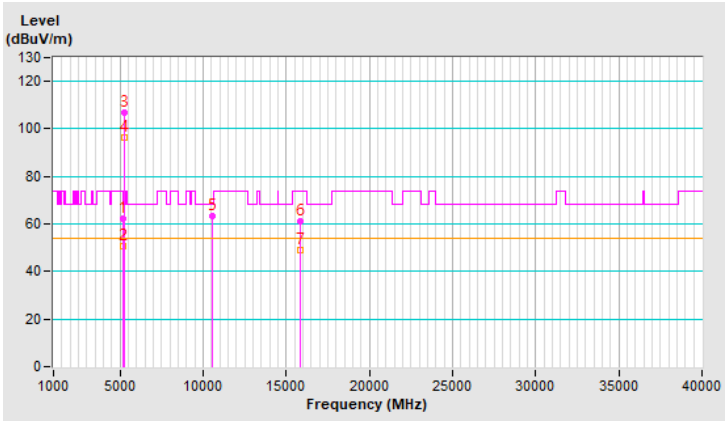


RF Mode	802.11n (HT40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	62.2 PK	74.0	-11.8	1.28 V	13	57.0	5.2
2	5150.00	50.6 AV	54.0	-3.4	1.28 V	13	45.4	5.2
3	*5270.00	106.8 PK			1.28 V	13	102.1	4.7
4	*5270.00	96.4 AV			1.28 V	13	91.7	4.7
5	#10540.00	63.1 PK	68.2	-5.1	3.43 V	155	46.9	16.2
6	15810.00	60.9 PK	74.0	-13.1	3.20 V	183	44.3	16.6
7	15810.00	48.9 AV	54.0	-5.1	3.20 V	183	32.3	16.6

Remarks:

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

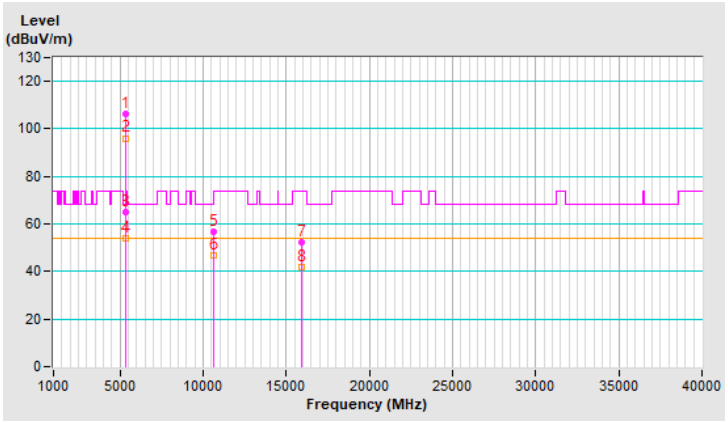


RF Mode	802.11n (HT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5310.00	106.1 PK			2.13 H	206	101.3	4.8
2	*5310.00	96.1 AV			2.13 H	206	91.3	4.8
3	5350.00	65.1 PK	74.0	-8.9	2.13 H	206	60.1	5.0
4	5350.00	53.8 AV	54.0	-0.2	2.13 H	206	48.8	5.0
5	10620.00	56.9 PK	74.0	-17.1	1.13 H	319	41.0	15.9
6	10620.00	46.8 AV	54.0	-7.2	1.13 H	319	30.9	15.9
7	15930.00	52.2 PK	74.0	-21.8	1.17 H	291	35.6	16.6
8	15930.00	41.8 AV	54.0	-12.2	1.17 H	291	25.2	16.6

Remarks:

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

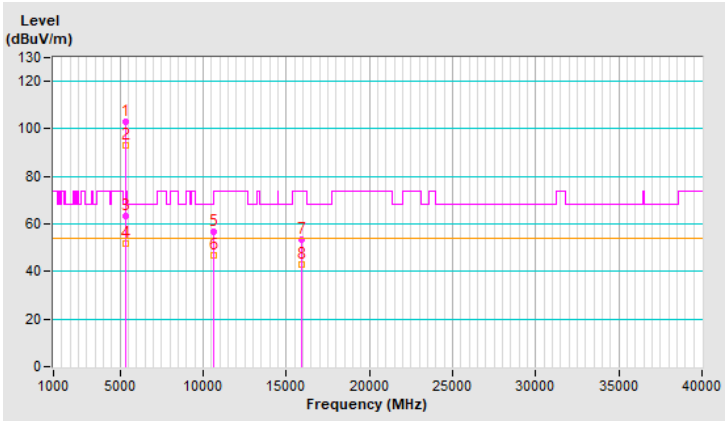


RF Mode	802.11n (HT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5310.00	103.2 PK			2.07 V	357	98.4	4.8
2	*5310.00	93.3 AV			2.07 V	357	88.5	4.8
3	5350.00	63.5 PK	74.0	-10.5	2.07 V	357	58.5	5.0
4	5350.00	52.0 AV	54.0	-2.0	2.07 V	357	47.0	5.0
5	10620.00	56.8 PK	74.0	-17.2	3.23 V	180	40.9	15.9
6	10620.00	46.6 AV	54.0	-7.4	3.23 V	180	30.7	15.9
7	15930.00	53.2 PK	74.0	-20.8	3.34 V	169	36.6	16.6
8	15930.00	43.0 AV	54.0	-11.0	3.34 V	169	26.4	16.6

Remarks:

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

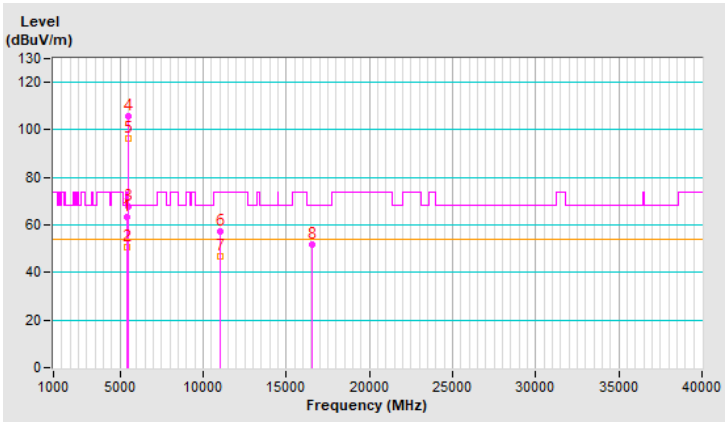


RF Mode	802.11n (HT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	63.3 PK	74.0	-10.7	2.04 H	143	58.1	5.2
2	5460.00	50.6 AV	54.0	-3.4	2.04 H	143	45.4	5.2
3	#5468.02	67.9 PK	68.2	-0.3	2.04 H	143	62.7	5.2
4	*5510.00	105.8 PK			2.04 H	143	100.5	5.3
5	*5510.00	96.2 AV			2.04 H	143	90.9	5.3
6	11020.00	57.1 PK	74.0	-16.9	1.20 H	302	40.5	16.6
7	11020.00	47.0 AV	54.0	-7.0	1.20 H	302	30.4	16.6
8	#16530.00	51.8 PK	68.2	-16.4	1.15 H	283	33.2	18.6

Remarks:

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

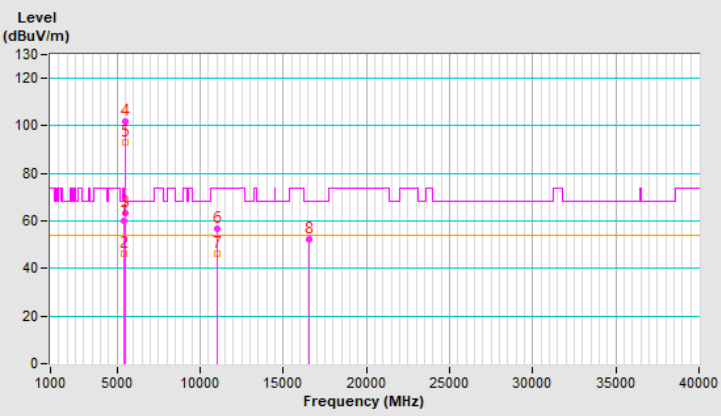


RF Mode	802.11n (HT40)	**Channel**	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	59.8 PK	74.0	-14.2	2.09 V	358	54.6	5.2
2	5460.00	46.4 AV	54.0	-7.6	2.09 V	358	41.2	5.2
3	#5465.69	63.2 PK	68.2	-5.0	2.09 V	358	58.0	5.2
4	*5510.00	102.1 PK			2.09 V	358	96.8	5.3
5	*5510.00	92.9 AV			2.09 V	358	87.6	5.3
6	11020.00	56.5 PK	74.0	-17.5	3.22 V	159	39.9	16.6
7	11020.00	46.2 AV	54.0	-7.8	3.22 V	159	29.6	16.6
8	#16530.00	52.3 PK	68.2	-15.9	3.36 V	159	33.7	18.6

Remarks:

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

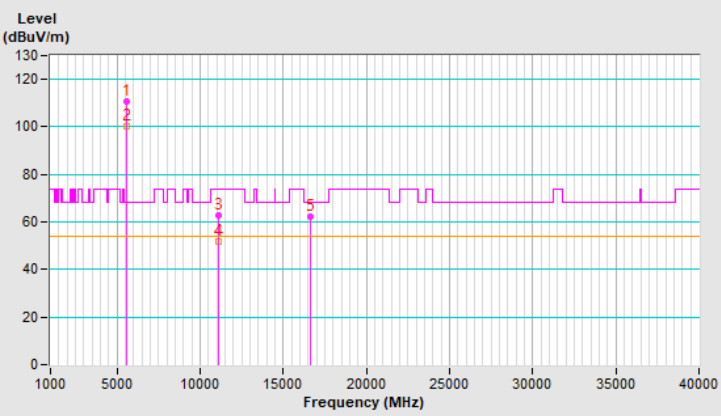


RF Mode	802.11n (HT40)	**Channel**	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5550.00	110.7 PK			2.26 H	192	105.4	5.3
2	*5550.00	100.1 AV			2.26 H	192	94.8	5.3
3	11100.00	62.8 PK	74.0	-11.2	1.41 H	67	46.1	16.7
4	11100.00	51.9 AV	54.0	-2.1	1.41 H	67	35.2	16.7
5	#16650.00	62.4 PK	68.2	-5.8	1.45 H	61	43.0	19.4

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.

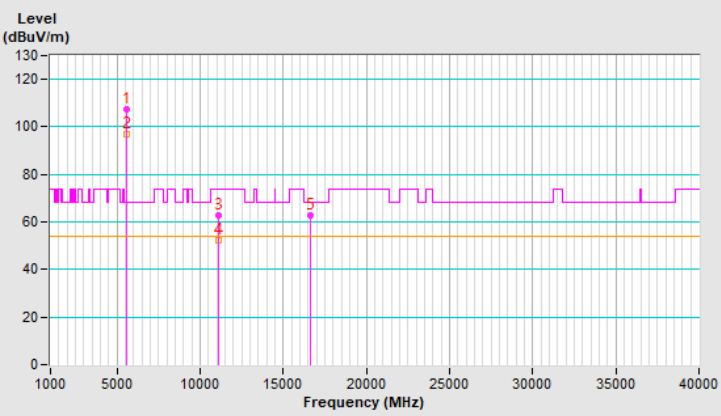


RF Mode	802.11n (HT40)	**Channel**	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5550.00	107.5 PK			1.36 V	15	102.2	5.3
2	*5550.00	97.1 AV			1.36 V	15	91.8	5.3
3	11100.00	62.8 PK	74.0	-11.2	3.35 V	170	46.1	16.7
4	11100.00	52.1 AV	54.0	-1.9	3.35 V	170	35.4	16.7
5	#16650.00	62.7 PK	68.2	-5.5	3.03 V	133	43.3	19.4

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.

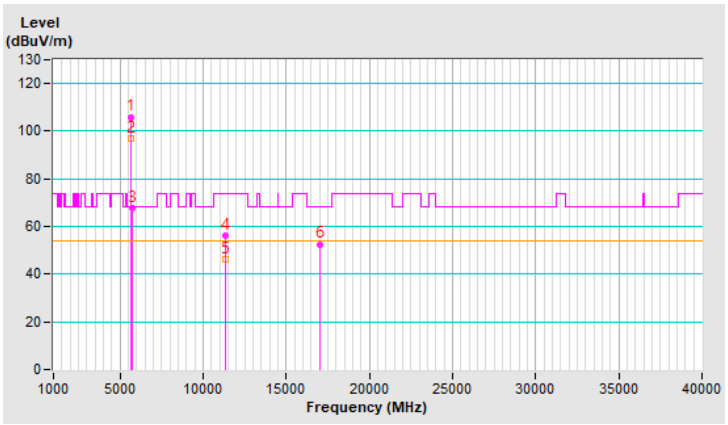


RF Mode	802.11n (HT40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5670.00	106.0 PK			2.10 H	208	100.3	5.7
2	*5670.00	96.7 AV			2.10 H	208	91.0	5.7
3	#5725.00	67.9 PK	68.2	-0.3	2.10 H	208	62.2	5.7
4	11340.00	56.4 PK	74.0	-17.6	1.19 H	329	39.5	16.9
5	11340.00	46.1 AV	54.0	-7.9	1.19 H	329	29.2	16.9
6	#17010.00	52.6 PK	68.2	-15.6	1.09 H	293	32.4	20.2

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.

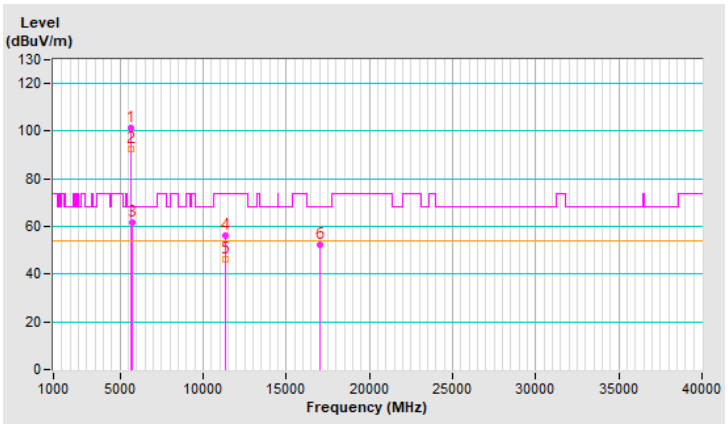


RF Mode	802.11n (HT40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5670.00	101.4 PK			1.32 V	10	95.7	5.7
2	*5670.00	92.5 AV			1.32 V	10	86.8	5.7
3	#5725.00	61.7 PK	68.2	-6.5	1.32 V	10	56.0	5.7
4	11340.00	56.3 PK	74.0	-17.7	3.22 V	162	39.4	16.9
5	11340.00	46.3 AV	54.0	-7.7	3.22 V	162	29.4	16.9
6	#17010.00	52.5 PK	68.2	-15.7	3.32 V	156	32.3	20.2

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.

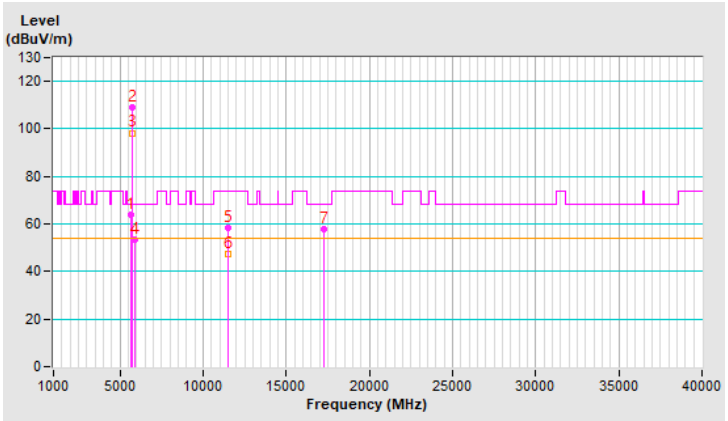


RF Mode	802.11n (HT40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5648.05	63.7 PK	68.2	-4.5	2.12 H	210	58.0	5.7
2	*5755.00	109.0 PK			2.12 H	210	103.1	5.9
3	*5755.00	98.3 AV			2.12 H	210	92.4	5.9
4	#5933.90	53.5 PK	68.2	-14.7	2.12 H	210	47.1	6.4
5	11510.00	58.3 PK	74.0	-15.7	1.12 H	65	41.0	17.3
6	11510.00	47.4 AV	54.0	-6.6	1.12 H	65	30.1	17.3
7	#17265.00	57.8 PK	68.2	-10.4	1.17 H	61	37.1	20.7

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.

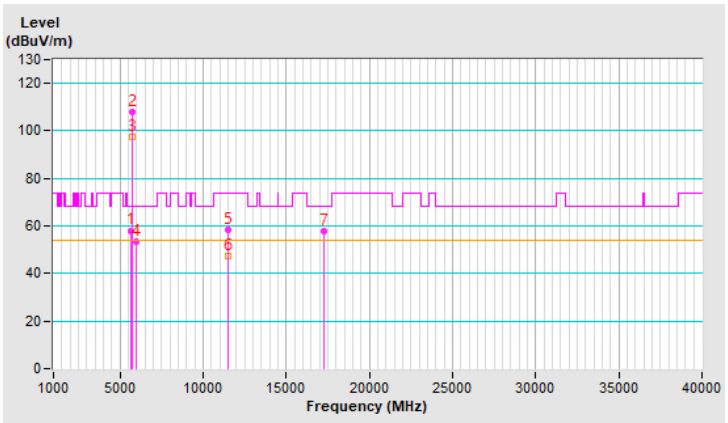


RF Mode	802.11n (HT40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5645.53	58.1 PK	68.2	-10.1	1.99 V	286	52.4	5.7
2	*5755.00	107.9 PK			1.99 V	286	102.0	5.9
3	*5755.00	97.3 AV			1.99 V	286	91.4	5.9
4	#5950.12	53.6 PK	68.2	-14.6	1.99 V	286	47.1	6.5
5	11510.00	58.3 PK	74.0	-15.7	1.67 V	66	41.0	17.3
6	11510.00	47.1 AV	54.0	-6.9	1.67 V	66	29.8	17.3
7	#17265.00	57.7 PK	68.2	-10.5	1.73 V	46	37.0	20.7

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.

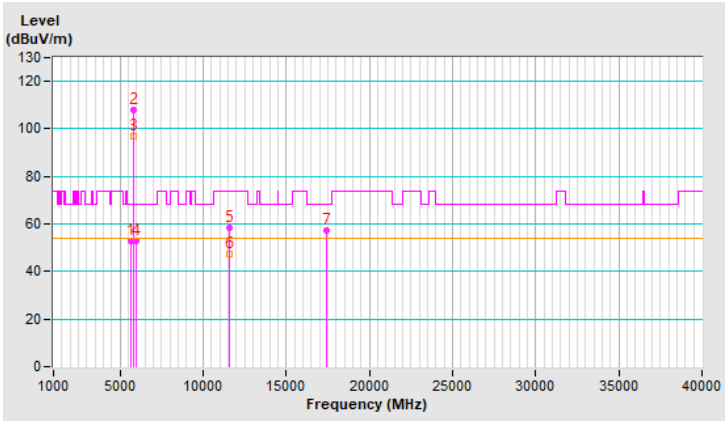


RF Mode	802.11n (HT40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5643.19	52.8 PK	68.2	-15.4	2.10 H	211	47.1	5.7
2	*5795.00	107.8 PK			2.10 H	211	101.9	5.9
3	*5795.00	97.0 AV			2.10 H	211	91.1	5.9
4	#5952.82	53.0 PK	68.2	-15.2	2.10 H	211	46.5	6.5
5	11590.00	58.4 PK	74.0	-15.6	1.19 H	69	41.4	17.0
6	11590.00	47.2 AV	54.0	-6.8	1.19 H	69	30.2	17.0
7	#17385.00	57.1 PK	68.2	-11.1	1.22 H	51	36.0	21.1

Remarks:

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

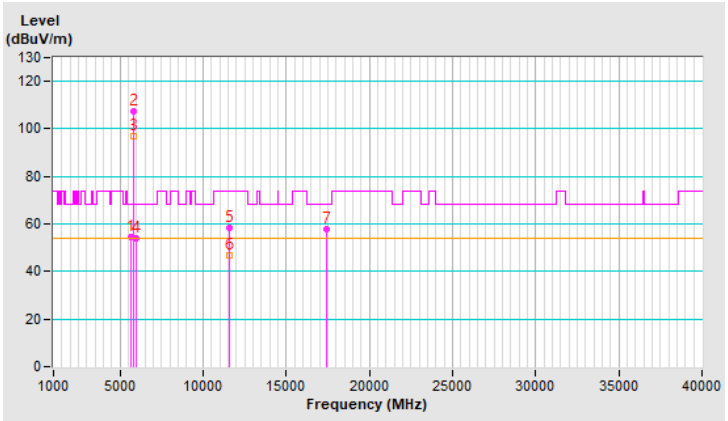


RF Mode	802.11n (HT40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5646.76	54.5 PK	68.2	-13.7	2.02 V	288	48.8	5.7
2	*5795.00	107.5 PK			2.02 V	288	101.6	5.9
3	*5795.00	96.9 AV			2.02 V	288	91.0	5.9
4	#5952.63	54.0 PK	68.2	-14.2	2.02 V	288	47.5	6.5
5	11590.00	58.4 PK	74.0	-15.6	1.63 V	55	41.4	17.0
6	11590.00	47.0 AV	54.0	-7.0	1.63 V	55	30.0	17.0
7	#17385.00	57.7 PK	68.2	-10.5	1.68 V	71	36.6	21.1

Remarks:

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



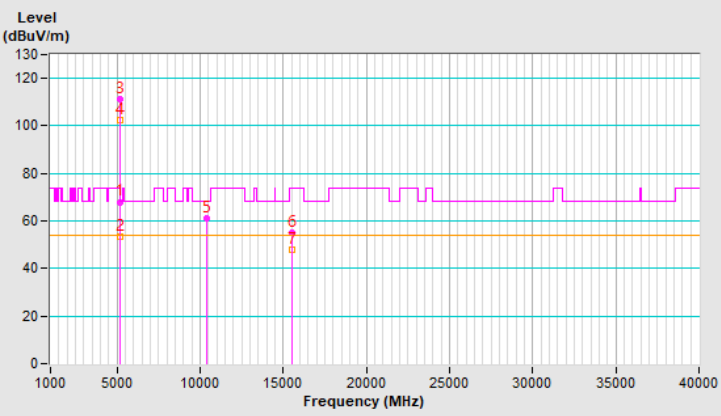
Mode B

RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% 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	68.0 PK	74.0	-6.0	1.64 H	52	62.8	5.2
2	5150.00	53.4 AV	54.0	-0.6	1.64 H	52	48.2	5.2
3	*5180.00	111.2 PK			1.64 H	52	106.1	5.1
4	*5180.00	102.2 AV			1.64 H	52	97.1	5.1
5	#10360.00	61.1 PK	68.2	-7.1	1.19 H	309	45.1	16.0
6	15540.00	55.3 PK	74.0	-18.7	1.11 H	268	37.9	17.4
7	15540.00	48.1 AV	54.0	-5.9	1.11 H	268	30.7	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.

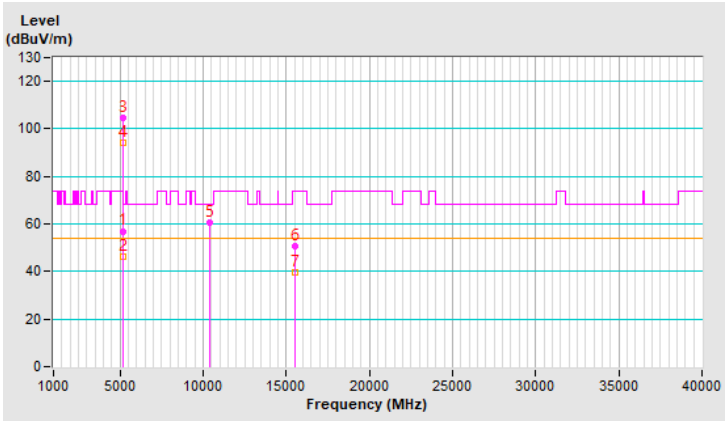


RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	57.0 PK	74.0	-17.0	3.24 V	130	51.8	5.2
2	5150.00	46.0 AV	54.0	-8.0	3.24 V	130	40.8	5.2
3	*5180.00	104.7 PK			3.24 V	130	99.6	5.1
4	*5180.00	94.4 AV			3.24 V	130	89.3	5.1
5	#10360.00	60.4 PK	68.2	-7.8	3.28 V	166	44.4	16.0
6	15540.00	50.9 PK	74.0	-23.1	3.22 V	171	33.5	17.4
7	15540.00	39.4 AV	54.0	-14.6	3.22 V	171	22.0	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.

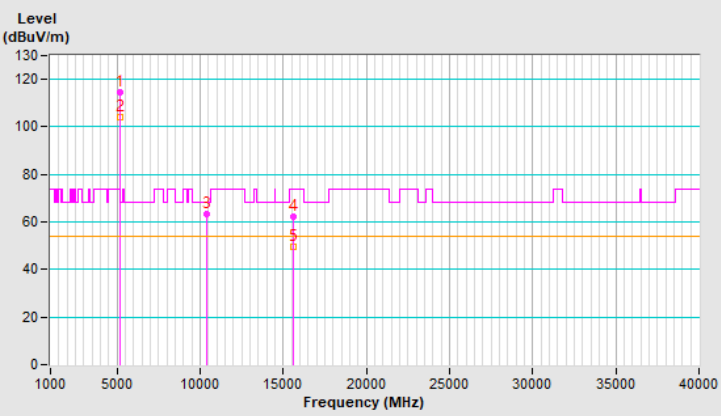


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	114.4 PK			1.64 H	52	109.3	5.1
2	*5200.00	104.3 AV			1.64 H	52	99.2	5.1
3	#10400.00	63.3 PK	68.2	-4.9	1.18 H	301	47.2	16.1
4	15600.00	62.2 PK	74.0	-11.8	1.19 H	281	44.9	17.3
5	15600.00	49.7 AV	54.0	-4.3	1.19 H	281	32.4	17.3

Remarks:

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

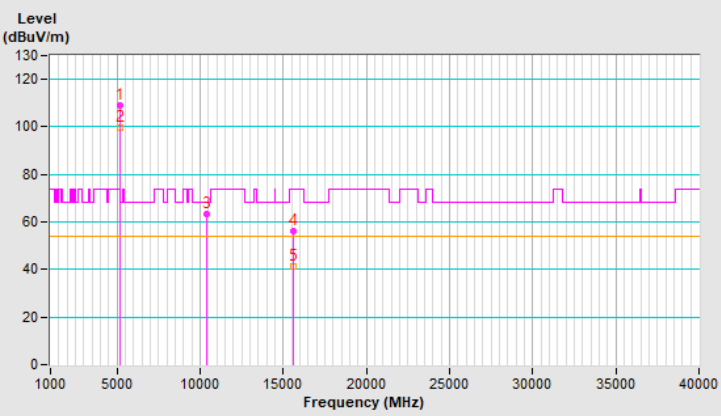


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	109.1 PK			3.21 V	134	104.0	5.1
2	*5200.00	99.9 AV			3.21 V	134	94.8	5.1
3	#10400.00	63.4 PK	68.2	-4.8	3.30 V	165	47.3	16.1
4	15600.00	56.0 PK	74.0	-18.0	3.22 V	178	38.7	17.3
5	15600.00	41.4 AV	54.0	-12.6	3.22 V	178	24.1	17.3

Remarks:

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

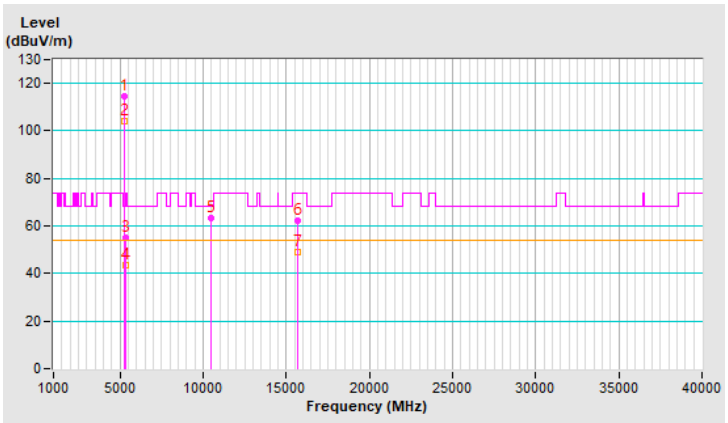


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	114.4 PK			1.64 H	53	109.5	4.9
2	*5240.00	104.2 AV			1.64 H	53	99.3	4.9
3	5350.00	55.3 PK	74.0	-18.7	1.64 H	53	50.3	5.0
4	5350.00	43.5 AV	54.0	-10.5	1.64 H	53	38.5	5.0
5	#10480.00	63.4 PK	68.2	-4.8	1.15 H	311	47.1	16.3
6	15720.00	62.1 PK	74.0	-11.9	1.11 H	271	45.3	16.8
7	15720.00	49.2 AV	54.0	-4.8	1.11 H	271	32.4	16.8

Remarks:

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

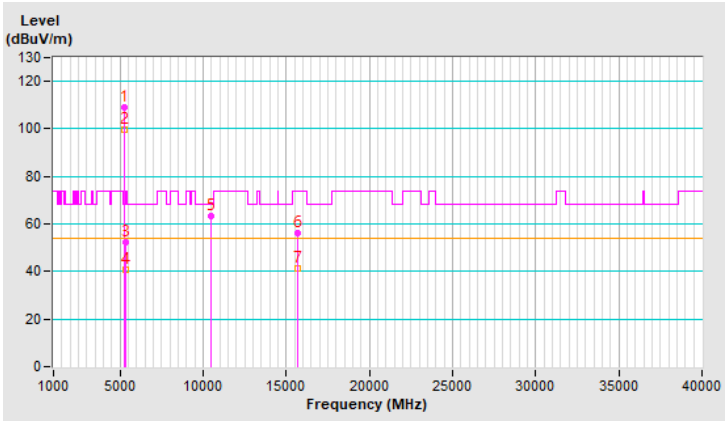


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	109.2 PK			3.36 V	140	104.3	4.9
2	*5240.00	99.5 AV			3.36 V	140	94.6	4.9
3	5350.00	52.2 PK	74.0	-21.8	3.36 V	140	47.2	5.0
4	5350.00	40.8 AV	54.0	-13.2	3.36 V	140	35.8	5.0
5	#10480.00	63.2 PK	68.2	-5.0	3.31 V	165	46.9	16.3
6	15720.00	56.1 PK	74.0	-17.9	3.23 V	168	39.3	16.8
7	15720.00	41.5 AV	54.0	-12.5	3.23 V	168	24.7	16.8

Remarks:

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

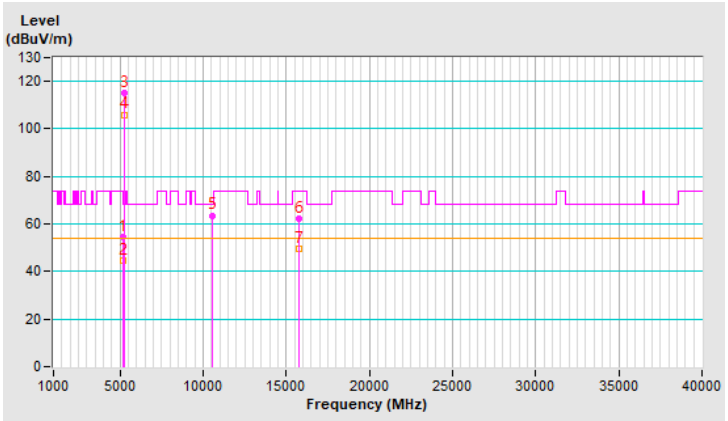


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	54.4 PK	74.0	-19.6	1.44 H	57	49.2	5.2
2	5150.00	44.6 AV	54.0	-9.4	1.44 H	57	39.4	5.2
3	*5260.00	115.0 PK			1.44 H	57	110.3	4.7
4	*5260.00	106.0 AV			1.44 H	57	101.3	4.7
5	#10520.00	63.6 PK	68.2	-4.6	1.18 H	295	47.3	16.3
6	15780.00	62.2 PK	74.0	-11.8	1.17 H	310	45.5	16.7
7	15780.00	49.4 AV	54.0	-4.6	1.17 H	310	32.7	16.7

Remarks:

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

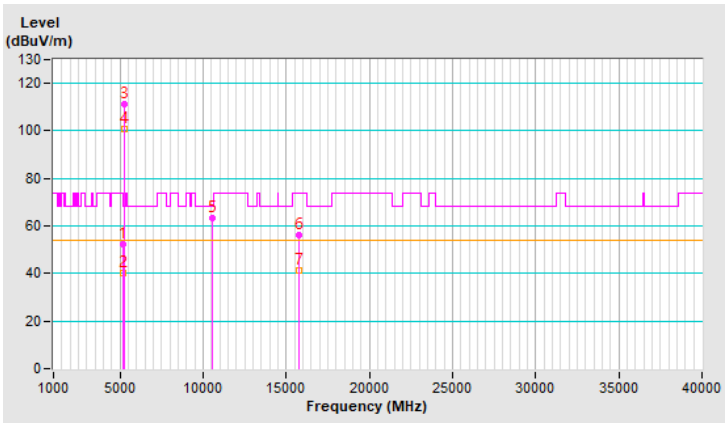


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	52.1 PK	74.0	-21.9	3.36 V	144	46.9	5.2
2	5150.00	40.4 AV	54.0	-13.6	3.36 V	144	35.2	5.2
3	*5260.00	111.1 PK			3.36 V	144	106.4	4.7
4	*5260.00	101.0 AV			3.36 V	144	96.3	4.7
5	#10520.00	63.4 PK	68.2	-4.8	3.31 V	165	47.1	16.3
6	15780.00	56.2 PK	74.0	-17.8	3.23 V	164	39.5	16.7
7	15780.00	41.2 AV	54.0	-12.8	3.23 V	164	24.5	16.7

Remarks:

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

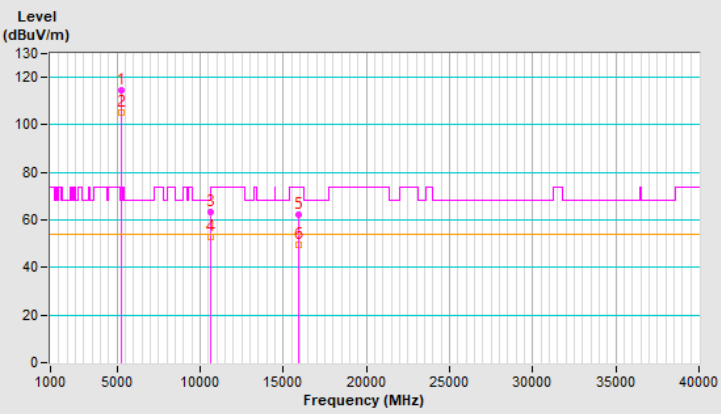


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	114.8 PK			1.44 H	57	110.0	4.8
2	*5300.00	105.3 AV			1.44 H	57	100.5	4.8
3	10600.00	63.4 PK	74.0	-10.6	1.14 H	282	47.5	15.9
4	10600.00	52.7 AV	54.0	-1.3	1.14 H	282	36.8	15.9
5	15900.00	62.1 PK	74.0	-11.9	1.18 H	311	45.5	16.6
6	15900.00	49.5 AV	54.0	-4.5	1.18 H	311	32.9	16.6

Remarks:

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

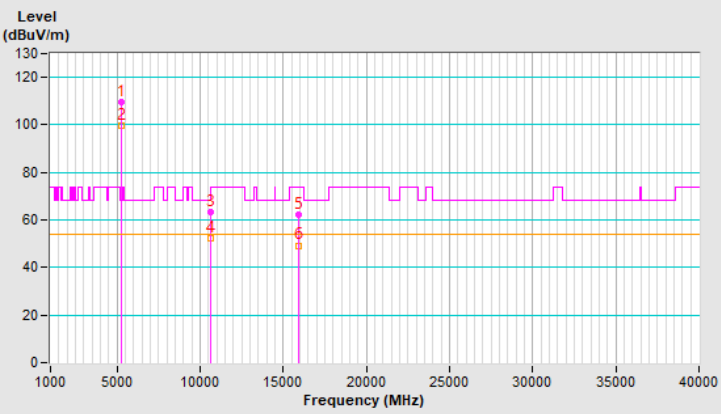


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	109.4 PK			3.33 V	145	104.6	4.8
2	*5300.00	99.5 AV			3.33 V	145	94.7	4.8
3	10600.00	63.2 PK	74.0	-10.8	3.32 V	152	47.3	15.9
4	10600.00	52.1 AV	54.0	-1.9	3.32 V	152	36.2	15.9
5	15900.00	62.2 PK	74.0	-11.8	3.13 V	166	45.6	16.6
6	15900.00	49.3 AV	54.0	-4.7	3.13 V	166	32.7	16.6

Remarks:

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

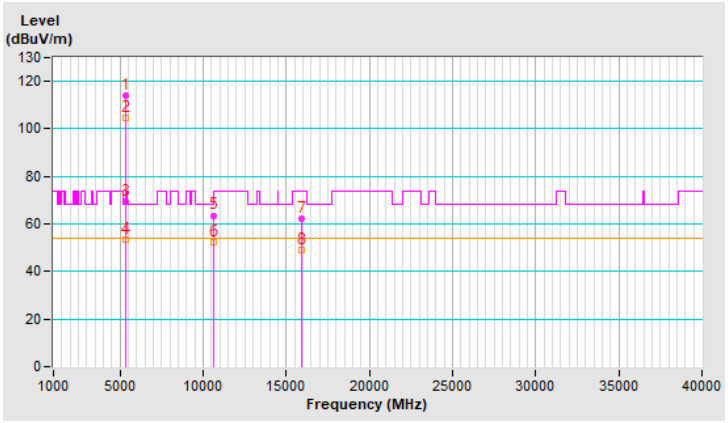


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	114.0 PK			1.44 H	57	109.1	4.9
2	*5320.00	104.8 AV			1.44 H	57	99.9	4.9
3	5350.00	69.6 PK	74.0	-4.4	1.44 H	57	64.6	5.0
4	5350.00	53.4 AV	54.0	-0.6	1.44 H	57	48.4	5.0
5	10640.00	63.6 PK	74.0	-10.4	1.15 H	287	47.8	15.8
6	10640.00	52.3 AV	54.0	-1.7	1.15 H	287	36.5	15.8
7	15960.00	62.3 PK	74.0	-11.7	1.19 H	311	45.6	16.7
8	15960.00	49.1 AV	54.0	-4.9	1.19 H	311	32.4	16.7

Remarks:

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

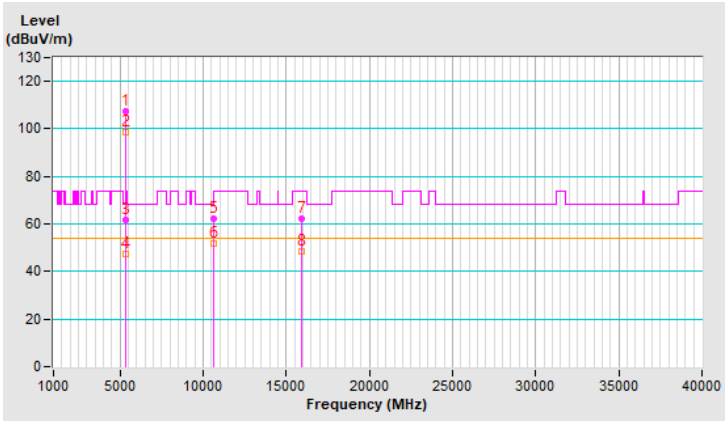


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	107.3 PK			3.22 V	145	102.4	4.9
2	*5320.00	98.8 AV			3.22 V	145	93.9	4.9
3	5350.00	61.9 PK	74.0	-12.1	3.22 V	145	56.9	5.0
4	5350.00	47.1 AV	54.0	-6.9	3.22 V	145	42.1	5.0
5	10640.00	62.2 PK	74.0	-11.8	3.31 V	152	46.4	15.8
6	10640.00	51.9 AV	54.0	-2.1	3.31 V	152	36.1	15.8
7	15960.00	62.0 PK	74.0	-12.0	3.32 V	166	45.3	16.7
8	15960.00	48.2 AV	54.0	-5.8	3.32 V	166	31.5	16.7

Remarks:

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

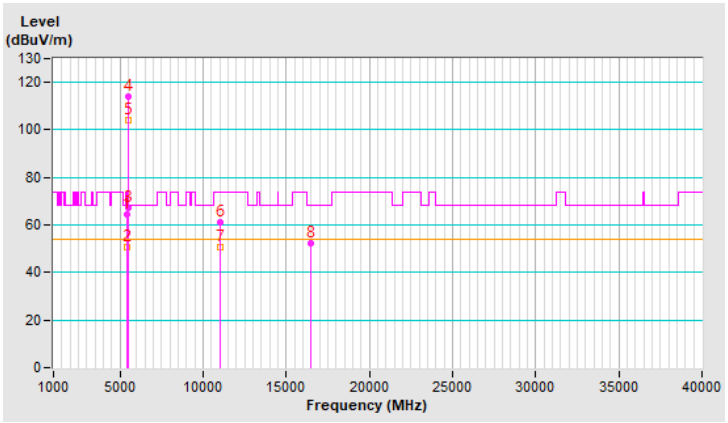


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	64.2 PK	74.0	-9.8	1.44 H	58	59.0	5.2
2	5460.00	50.5 AV	54.0	-3.5	1.44 H	58	45.3	5.2
3	#5470.00	67.3 PK	68.2	-0.9	1.44 H	58	62.1	5.2
4	*5500.00	113.8 PK			1.44 H	58	108.6	5.2
5	*5500.00	104.1 AV			1.44 H	58	98.9	5.2
6	11000.00	61.3 PK	74.0	-12.7	1.44 H	59	44.8	16.5
7	11000.00	50.6 AV	54.0	-3.4	1.44 H	59	34.1	16.5
8	#16500.00	52.4 PK	68.2	-15.8	1.44 H	58	33.8	18.6

Remarks:

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

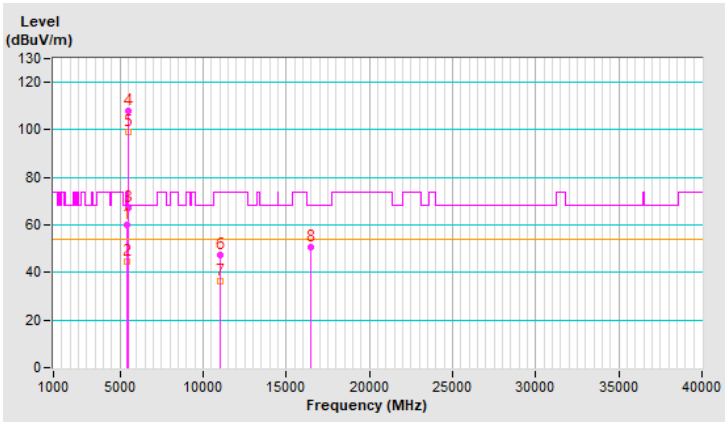


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	60.2 PK	74.0	-13.8	3.52 V	163	55.0	5.2
2	5460.00	44.8 AV	54.0	-9.2	3.52 V	163	39.6	5.2
3	#5470.00	67.0 PK	68.2	-1.2	3.52 V	163	61.8	5.2
4	*5500.00	107.8 PK			3.52 V	163	102.6	5.2
5	*5500.00	99.0 AV			3.52 V	163	93.8	5.2
6	11000.00	47.2 PK	74.0	-26.8	3.54 V	152	30.7	16.5
7	11000.00	36.2 AV	54.0	-17.8	3.54 V	152	19.7	16.5
8	#16500.00	50.8 PK	68.2	-17.4	3.54 V	155	32.2	18.6

Remarks:

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

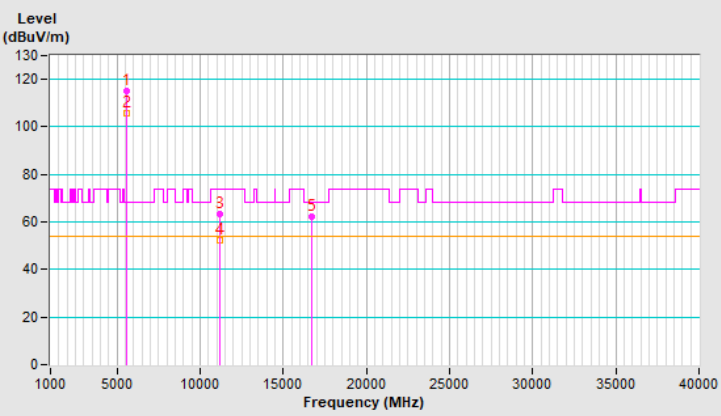


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	115.3 PK			1.44 H	57	109.7	5.6
2	*5580.00	105.5 AV			1.44 H	57	99.9	5.6
3	11160.00	63.1 PK	74.0	-10.9	1.44 H	52	46.5	16.6
4	11160.00	52.4 AV	54.0	-1.6	1.44 H	52	35.8	16.6
5	#16740.00	62.3 PK	68.2	-5.9	1.45 H	52	42.3	20.0

Remarks:

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

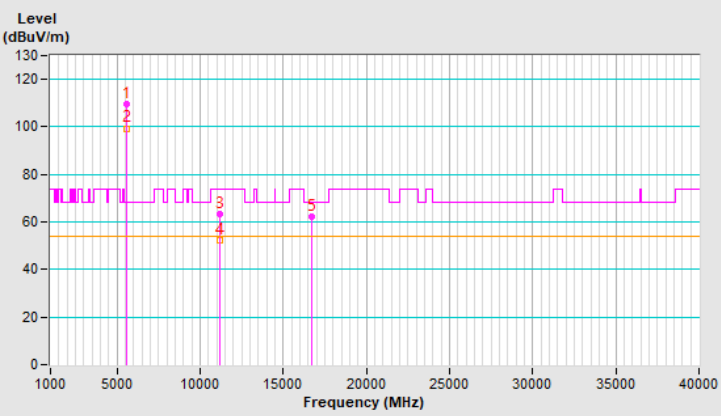


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	109.4 PK			3.31 V	160	103.8	5.6
2	*5580.00	99.4 AV			3.31 V	160	93.8	5.6
3	11160.00	63.1 PK	74.0	-10.9	3.31 V	160	46.5	16.6
4	11160.00	52.2 AV	54.0	-1.8	3.31 V	160	35.6	16.6
5	#16740.00	62.3 PK	68.2	-5.9	3.13 V	166	42.3	20.0

Remarks:

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

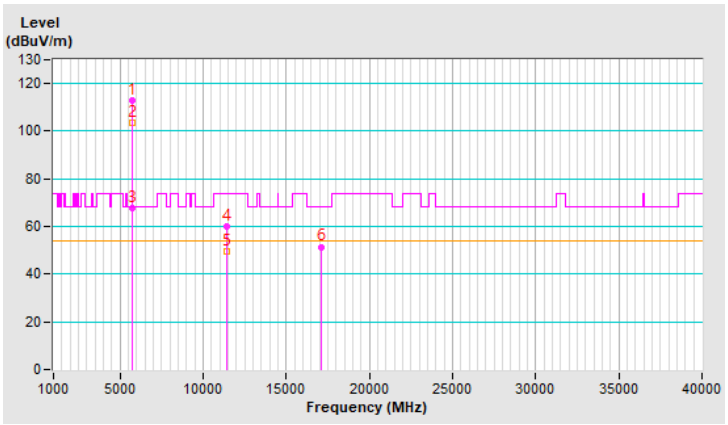


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	113.0 PK			1.43 H	59	107.3	5.7
2	*5700.00	103.3 AV			1.43 H	59	97.6	5.7
3	#5725.00	67.9 PK	68.2	-0.3	1.43 H	59	62.2	5.7
4	11400.00	60.1 PK	74.0	-13.9	1.44 H	58	43.0	17.1
5	11400.00	49.5 AV	54.0	-4.5	1.44 H	58	32.4	17.1
6	#17100.00	51.5 PK	68.2	-16.7	1.44 H	60	31.4	20.1

Remarks:

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

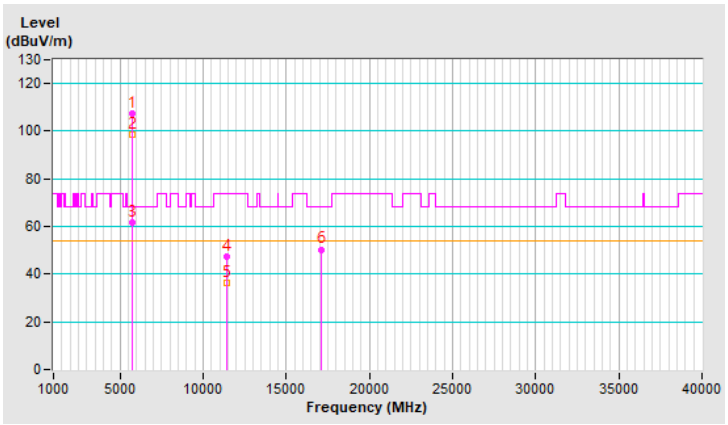


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	107.2 PK			3.55 V	164	101.5	5.7
2	*5700.00	98.8 AV			3.55 V	164	93.1	5.7
3	#5725.00	61.9 PK	68.2	-6.3	3.55 V	164	56.2	5.7
4	11400.00	47.1 PK	74.0	-26.9	3.56 V	163	30.0	17.1
5	11400.00	36.4 AV	54.0	-17.6	3.56 V	163	19.3	17.1
6	#17100.00	50.4 PK	68.2	-17.8	3.52 V	141	30.3	20.1

Remarks:

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

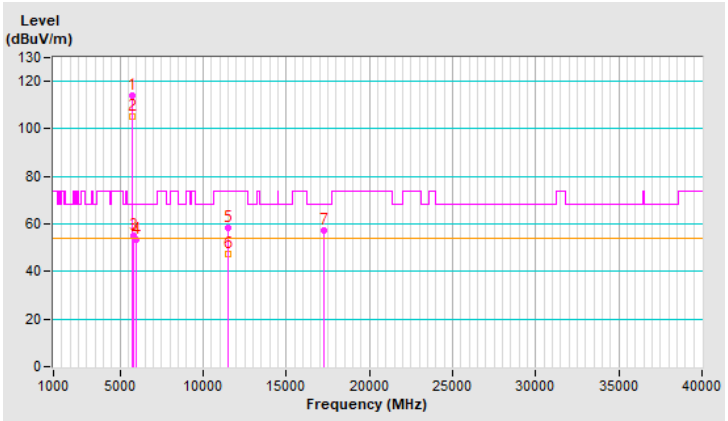


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5745.00	113.8 PK			1.40 H	57	108.0	5.8
2	*5745.00	105.0 AV			1.40 H	57	99.2	5.8
3	#5827.80	55.0 PK	68.2	-13.2	1.40 H	57	49.0	6.0
4	#5937.10	53.4 PK	68.2	-14.8	1.40 H	57	47.0	6.4
5	11490.00	58.5 PK	74.0	-15.5	1.14 H	64	41.2	17.3
6	11490.00	47.1 AV	54.0	-6.9	1.14 H	64	29.8	17.3
7	#17235.00	57.1 PK	68.2	-11.1	1.21 H	61	36.5	20.6

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.

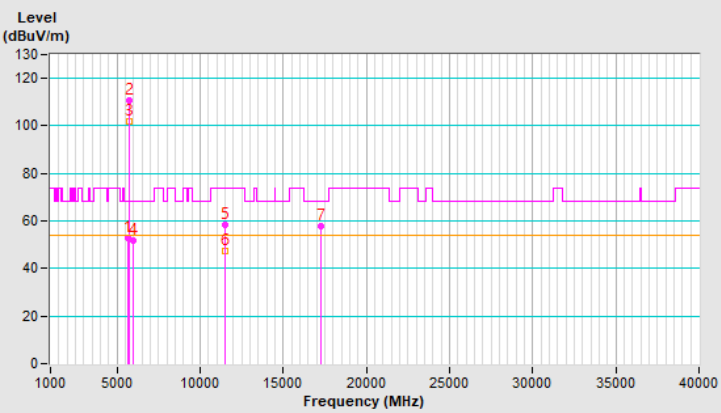


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5620.64	52.8 PK	68.2	-15.4	3.38 V	165	47.1	5.7
2	*5745.00	110.9 PK			3.38 V	165	105.1	5.8
3	*5745.00	101.7 AV			3.38 V	165	95.9	5.8
4	#5982.01	51.8 PK	68.2	-16.4	3.38 V	165	45.3	6.5
5	11490.00	58.4 PK	74.0	-15.6	1.16 V	64	41.1	17.3
6	11490.00	47.6 AV	54.0	-6.4	1.16 V	64	30.3	17.3
7	#17235.00	57.6 PK	68.2	-10.6	1.51 V	62	37.0	20.6

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.

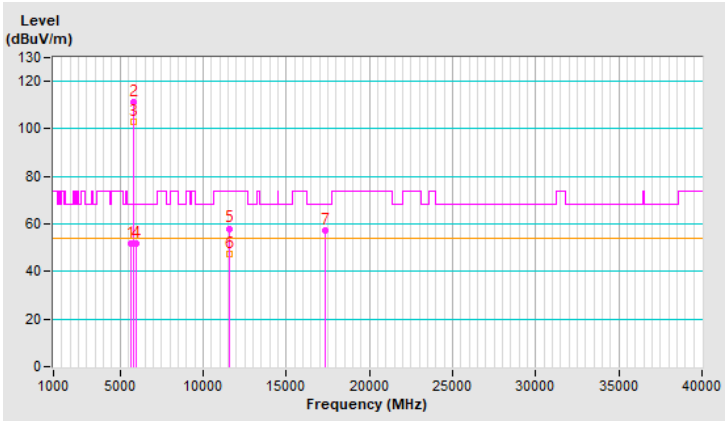


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5641.00	51.6 PK	68.2	-16.6	1.62 H	56	45.9	5.7
2	*5785.00	111.5 PK			1.62 H	56	105.6	5.9
3	*5785.00	102.8 AV			1.62 H	56	96.9	5.9
4	#5993.00	52.0 PK	68.2	-16.2	1.62 H	56	45.5	6.5
5	11570.00	58.1 PK	74.0	-15.9	1.14 H	64	41.0	17.1
6	11570.00	47.3 AV	54.0	-6.7	1.14 H	64	30.2	17.1
7	#17355.00	57.2 PK	68.2	-11.0	1.21 H	61	36.1	21.1

Remarks:

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

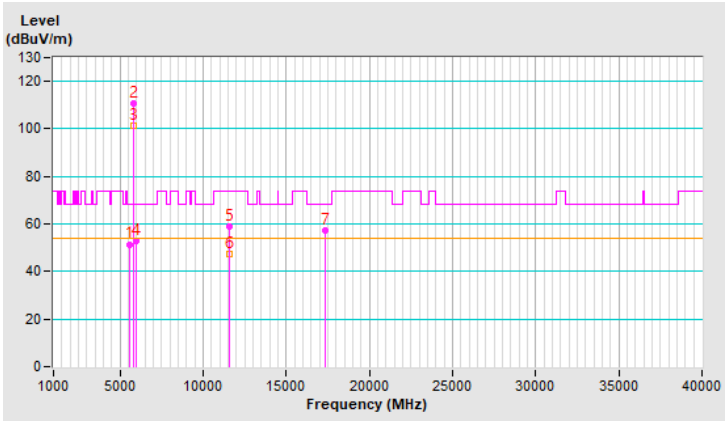


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5615.05	51.5 PK	68.2	-16.7	3.49 V	173	45.8	5.7
2	*5785.00	110.9 PK			3.49 V	173	105.0	5.9
3	*5785.00	101.5 AV			3.49 V	173	95.6	5.9
4	#5961.02	53.0 PK	68.2	-15.2	3.49 V	173	46.5	6.5
5	11570.00	58.7 PK	74.0	-15.3	1.15 V	65	41.6	17.1
6	11570.00	47.5 AV	54.0	-6.5	1.15 V	65	30.4	17.1
7	#17355.00	57.4 PK	68.2	-10.8	1.64 V	62	36.3	21.1

Remarks:

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

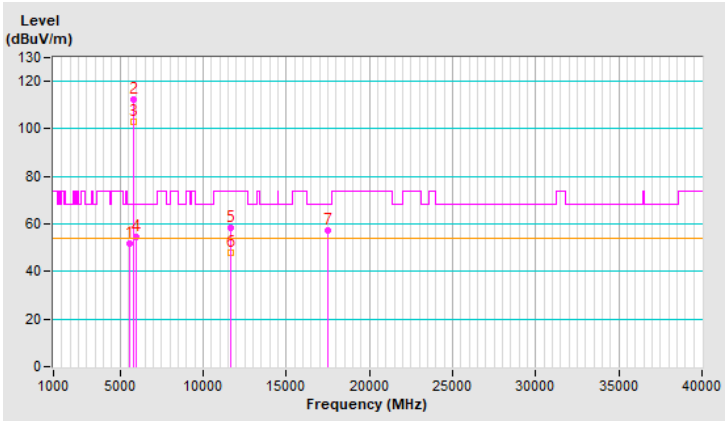


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5616.45	51.8 PK	68.2	-16.4	1.61 H	56	46.1	5.7
2	*5825.00	112.4 PK			1.61 H	56	106.4	6.0
3	*5825.00	103.1 AV			1.61 H	56	97.1	6.0
4	#5947.87	54.5 PK	68.2	-13.7	1.61 H	56	48.0	6.5
5	11650.00	58.3 PK	74.0	-15.7	1.16 H	62	41.6	16.7
6	11650.00	47.8 AV	54.0	-6.2	1.16 H	62	31.1	16.7
7	#17475.00	57.5 PK	68.2	-10.7	1.26 H	66	35.0	22.5

Remarks:

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

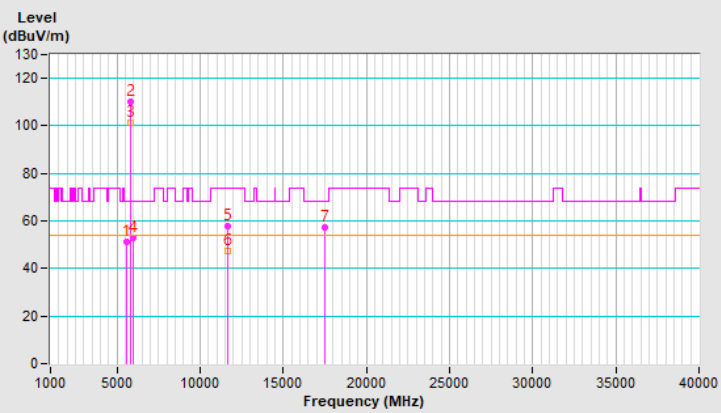


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5602.14	51.1 PK	68.2	-17.1	3.49 V	173	45.5	5.6
2	*5825.00	110.2 PK			3.49 V	173	104.2	6.0
3	*5825.00	101.4 AV			3.49 V	173	95.4	6.0
4	#5980.24	52.9 PK	68.2	-15.3	3.49 V	173	46.4	6.5
5	11650.00	58.0 PK	74.0	-16.0	1.15 V	65	41.3	16.7
6	11650.00	47.6 AV	54.0	-6.4	1.15 V	65	30.9	16.7
7	#17475.00	57.4 PK	68.2	-10.8	1.64 V	62	34.9	22.5

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.

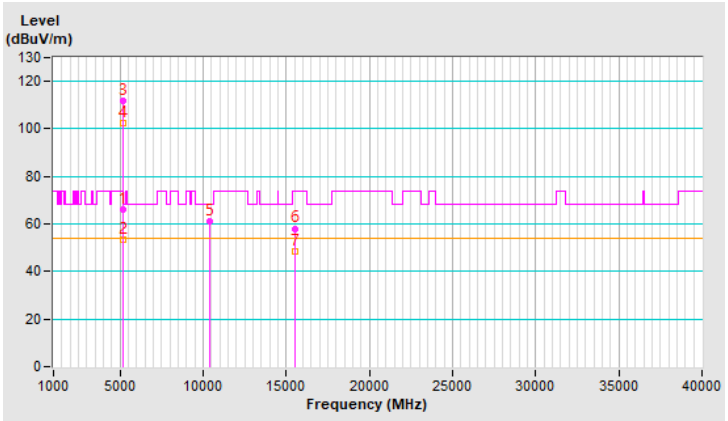


RF Mode	802.11n (HT20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	66.3 PK	74.0	-7.7	1.65 H	52	61.1	5.2
2	5150.00	53.2 AV	54.0	-0.8	1.65 H	52	48.0	5.2
3	*5180.00	111.7 PK			1.65 H	52	106.6	5.1
4	*5180.00	102.3 AV			1.65 H	52	97.2	5.1
5	#10360.00	61.3 PK	68.2	-6.9	1.15 H	315	45.3	16.0
6	15540.00	58.1 PK	74.0	-15.9	1.12 H	266	40.7	17.4
7	15540.00	48.3 AV	54.0	-5.7	1.12 H	266	30.9	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.

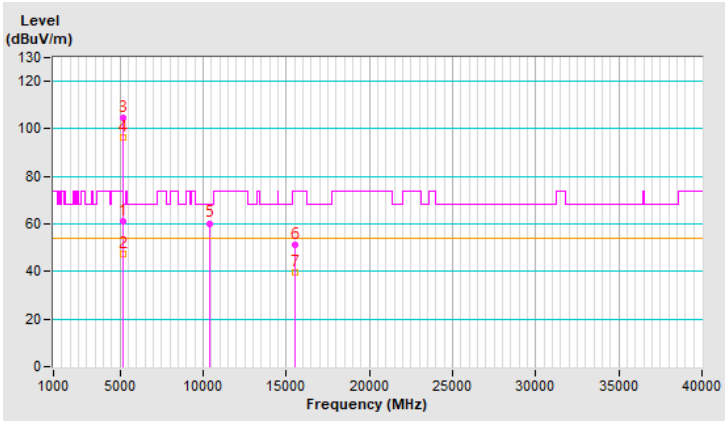


RF Mode	802.11n (HT20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	61.3 PK	74.0	-12.7	3.44 V	136	56.1	5.2
2	5150.00	47.5 AV	54.0	-6.5	3.44 V	136	42.3	5.2
3	*5180.00	104.8 PK			3.44 V	136	99.7	5.1
4	*5180.00	96.2 AV			3.44 V	136	91.1	5.1
5	#10360.00	60.3 PK	68.2	-7.9	3.36 V	164	44.3	16.0
6	15540.00	51.4 PK	74.0	-22.6	3.22 V	178	34.0	17.4
7	15540.00	39.4 AV	54.0	-14.6	3.22 V	178	22.0	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.

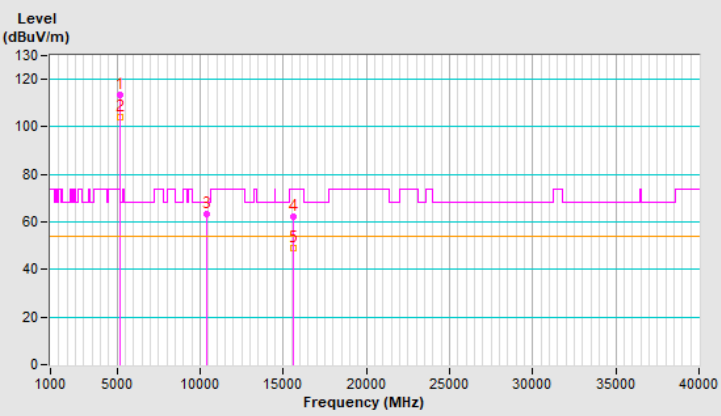


RF Mode	802.11n (HT20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	113.5 PK			1.65 H	52	108.4	5.1
2	*5200.00	103.9 AV			1.65 H	52	98.8	5.1
3	#10400.00	63.1 PK	68.2	-5.1	1.13 H	303	47.0	16.1
4	15600.00	62.4 PK	74.0	-11.6	1.18 H	267	45.1	17.3
5	15600.00	49.1 AV	54.0	-4.9	1.18 H	267	31.8	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.

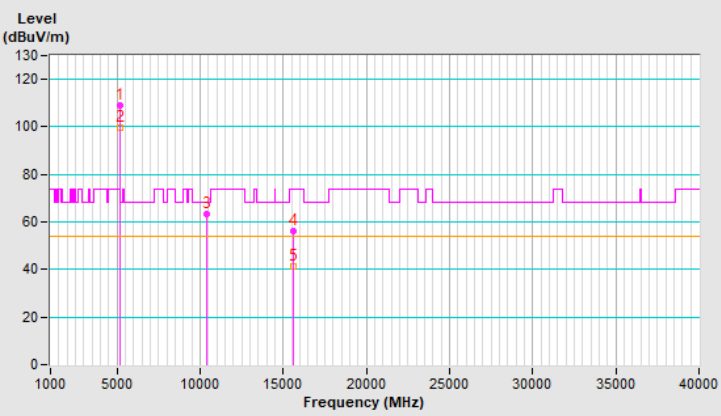


RF Mode	802.11n (HT20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5200.00	108.8 PK			3.21 V	134	103.7	5.1
2	*5200.00	99.5 AV			3.21 V	134	94.4	5.1
3	#10400.00	63.2 PK	68.2	-5.0	3.31 V	167	47.1	16.1
4	15600.00	56.1 PK	74.0	-17.9	3.28 V	181	38.8	17.3
5	15600.00	41.2 AV	54.0	-12.8	3.28 V	181	23.9	17.3

Remarks:

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

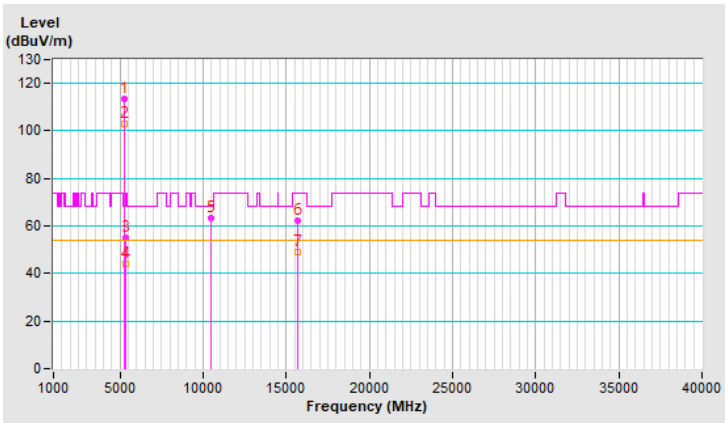


RF Mode	802.11n (HT20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	113.4 PK			1.65 H	52	108.5	4.9
2	*5240.00	103.2 AV			1.65 H	52	98.3	4.9
3	5350.00	55.2 PK	74.0	-18.8	1.65 H	52	50.2	5.0
4	5350.00	44.2 AV	54.0	-9.8	1.65 H	52	39.2	5.0
5	#10480.00	63.2 PK	68.2	-5.0	1.16 H	301	46.9	16.3
6	15720.00	62.1 PK	74.0	-11.9	1.12 H	267	45.3	16.8
7	15720.00	49.2 AV	54.0	-4.8	1.12 H	267	32.4	16.8

Remarks:

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

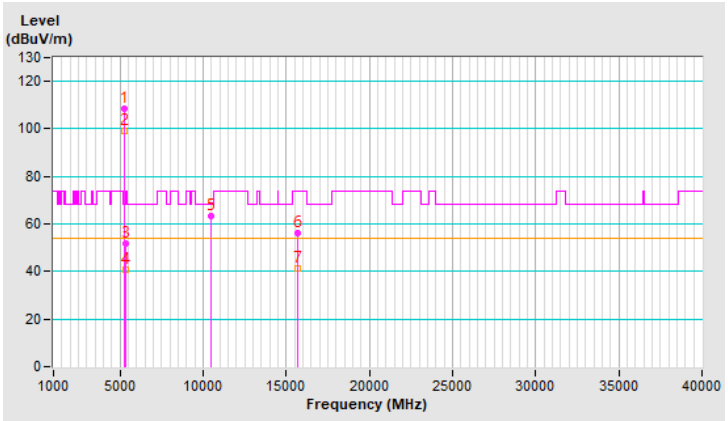


RF Mode	802.11n (HT20)	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5240.00	108.3 PK			3.39 V	141	103.4	4.9
2	*5240.00	99.3 AV			3.39 V	141	94.4	4.9
3	5350.00	51.9 PK	74.0	-22.1	3.39 V	141	46.9	5.0
4	5350.00	40.7 AV	54.0	-13.3	3.39 V	141	35.7	5.0
5	#10480.00	63.1 PK	68.2	-5.1	3.31 V	166	46.8	16.3
6	15720.00	56.3 PK	74.0	-17.7	3.33 V	170	39.5	16.8
7	15720.00	41.5 AV	54.0	-12.5	3.33 V	170	24.7	16.8

Remarks:

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

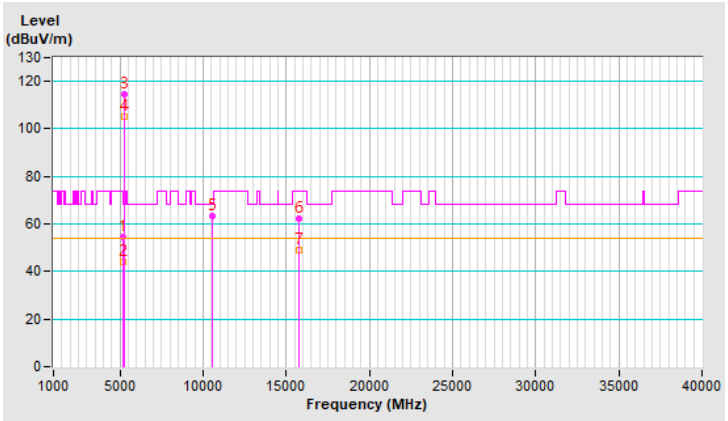


RF Mode	802.11n (HT20)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	54.3 PK	74.0	-19.7	1.44 H	57	49.1	5.2
2	5150.00	44.2 AV	54.0	-9.8	1.44 H	57	39.0	5.2
3	*5260.00	114.8 PK			1.44 H	57	110.1	4.7
4	*5260.00	105.3 AV			1.44 H	57	100.6	4.7
5	#10520.00	63.4 PK	68.2	-4.8	1.15 H	289	47.1	16.3
6	15780.00	62.1 PK	74.0	-11.9	1.17 H	310	45.4	16.7
7	15780.00	49.2 AV	54.0	-4.8	1.17 H	310	32.5	16.7

Remarks:

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

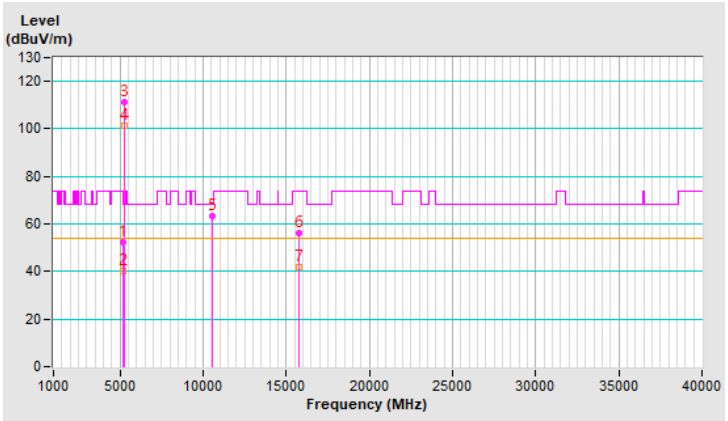


RF Mode	802.11n (HT20)	**Channel**	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	52.2 PK	74.0	-21.8	3.36 V	144	47.0	5.2
2	5150.00	40.3 AV	54.0	-13.7	3.36 V	144	35.1	5.2
3	*5260.00	111.2 PK			3.36 V	144	106.5	4.7
4	*5260.00	101.3 AV			3.36 V	144	96.6	4.7
5	#10520.00	63.2 PK	68.2	-5.0	3.31 V	165	46.9	16.3
6	15780.00	56.1 PK	74.0	-17.9	3.23 V	164	39.4	16.7
7	15780.00	41.6 AV	54.0	-12.4	3.23 V	164	24.9	16.7

Remarks:

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

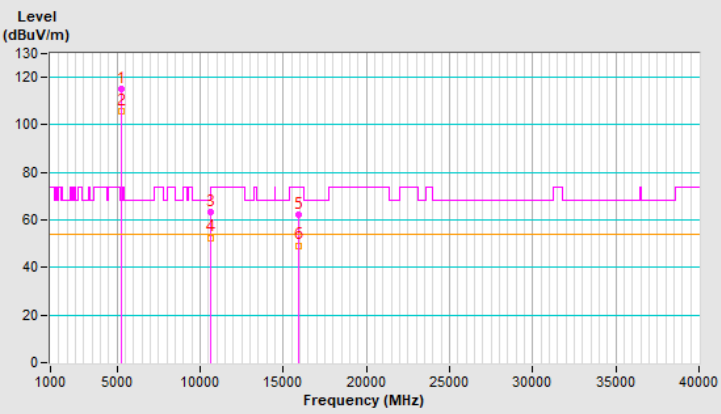


RF Mode	802.11n (HT20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	115.0 PK			1.44 H	57	110.2	4.8
2	*5300.00	105.8 AV			1.44 H	57	101.0	4.8
3	10600.00	63.2 PK	74.0	-10.8	1.14 H	282	47.3	15.9
4	10600.00	52.6 AV	54.0	-1.4	1.14 H	282	36.7	15.9
5	15900.00	62.2 PK	74.0	-11.8	1.18 H	311	45.6	16.6
6	15900.00	49.3 AV	54.0	-4.7	1.18 H	311	32.7	16.6

Remarks:

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

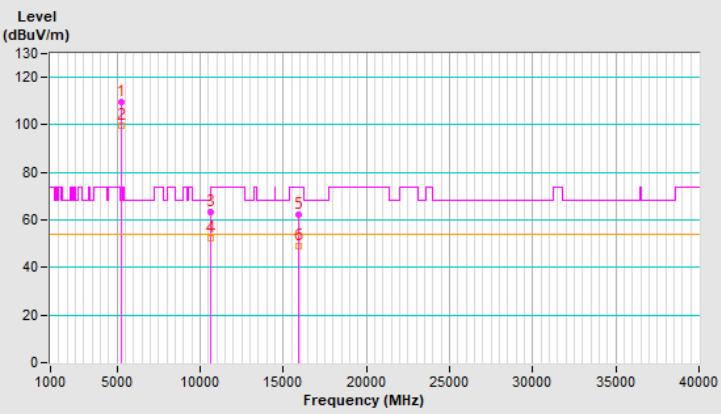


RF Mode	802.11n (HT20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	109.6 PK			3.33 V	145	104.8	4.8
2	*5300.00	99.6 AV			3.33 V	145	94.8	4.8
3	10600.00	63.1 PK	74.0	-10.9	3.32 V	152	47.2	15.9
4	10600.00	52.3 AV	54.0	-1.7	3.32 V	152	36.4	15.9
5	15900.00	62.2 PK	74.0	-11.8	3.13 V	166	45.6	16.6
6	15900.00	49.2 AV	54.0	-4.8	3.13 V	166	32.6	16.6

Remarks:

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

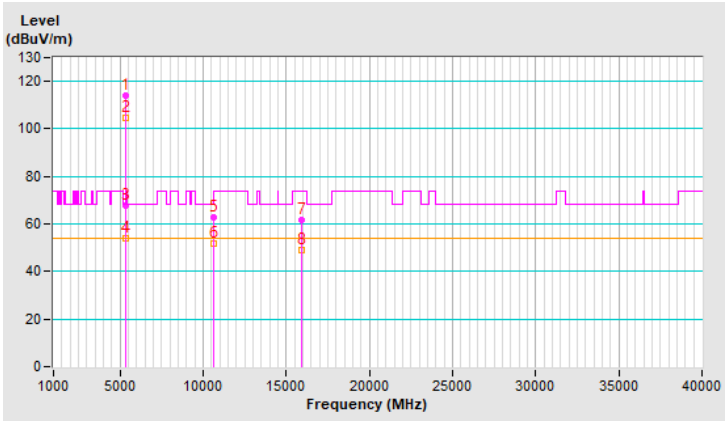


RF Mode	802.11n (HT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	114.0 PK			1.44 H	57	109.1	4.9
2	*5320.00	104.7 AV			1.44 H	57	99.8	4.9
3	5350.00	67.7 PK	74.0	-6.3	1.44 H	57	62.7	5.0
4	**5350.00**	**53.9 AV**	**54.0**	**-0.1**	**1.44 H**	**57**	**48.9**	**5.0**
5	10640.00	62.8 PK	74.0	-11.2	1.15 H	281	47.0	15.8
6	10640.00	51.7 AV	54.0	-2.3	1.15 H	281	35.9	15.8
7	15960.00	61.8 PK	74.0	-12.2	1.15 H	302	45.1	16.7
8	15960.00	49.0 AV	54.0	-5.0	1.15 H	302	32.3	16.7

Remarks:

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

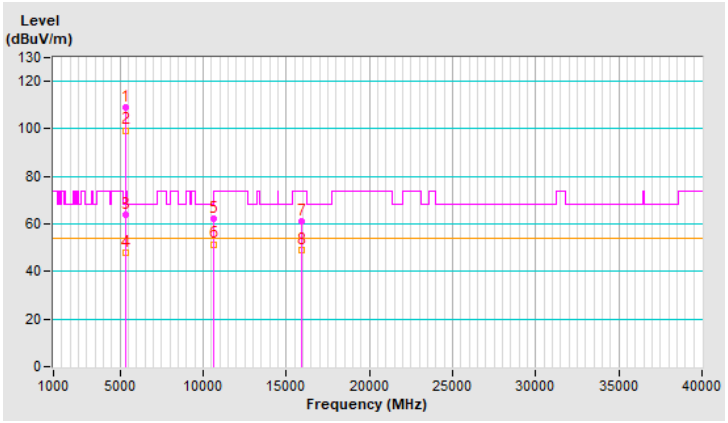


RF Mode	802.11n (HT20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	109.3 PK			3.22 V	148	104.4	4.9
2	*5320.00	99.4 AV			3.22 V	148	94.5	4.9
3	5350.00	63.7 PK	74.0	-10.3	3.22 V	148	58.7	5.0
4	5350.00	47.9 AV	54.0	-6.1	3.22 V	148	42.9	5.0
5	10640.00	62.4 PK	74.0	-11.6	3.23 V	161	46.6	15.8
6	10640.00	51.5 AV	54.0	-2.5	3.23 V	161	35.7	15.8
7	15960.00	61.2 PK	74.0	-12.8	3.03 V	158	44.5	16.7
8	15960.00	48.8 AV	54.0	-5.2	3.03 V	158	32.1	16.7

Remarks:

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

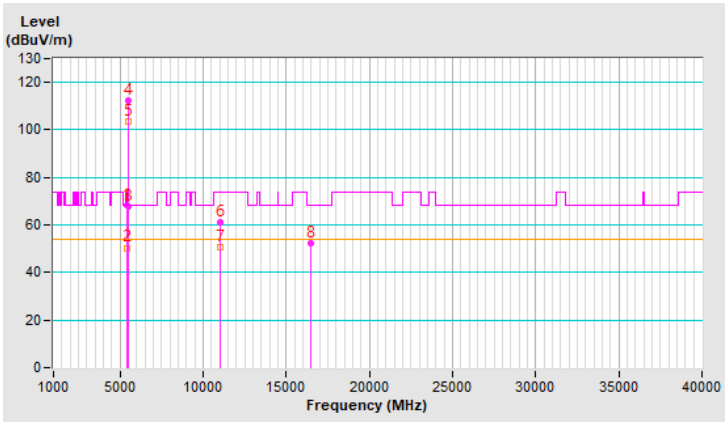


RF Mode	802.11n (HT20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	68.2 PK	74.0	-5.8	1.44 H	57	63.0	5.2
2	5460.00	50.4 AV	54.0	-3.6	1.44 H	57	45.2	5.2
3	#5470.00	67.6 PK	68.2	-0.6	1.44 H	57	62.4	5.2
4	*5500.00	112.1 PK			1.44 H	57	106.9	5.2
5	*5500.00	103.5 AV			1.44 H	57	98.3	5.2
6	11000.00	61.2 PK	74.0	-12.8	1.44 H	52	44.7	16.5
7	11000.00	50.5 AV	54.0	-3.5	1.44 H	52	34.0	16.5
8	#16500.00	52.5 PK	68.2	-15.7	1.44 H	56	33.9	18.6

Remarks:

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

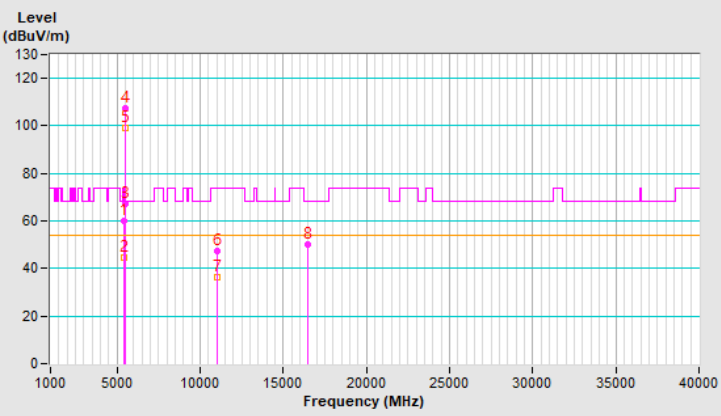


RF Mode	802.11n (HT20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	60.1 PK	74.0	-13.9	3.55 V	165	54.9	5.2
2	5460.00	44.5 AV	54.0	-9.5	3.55 V	165	39.3	5.2
3	#5470.00	67.0 PK	68.2	-1.2	3.55 V	165	61.8	5.2
4	*5500.00	107.5 PK			3.55 V	165	102.3	5.2
5	*5500.00	99.2 AV			3.55 V	165	94.0	5.2
6	11000.00	47.3 PK	74.0	-26.7	3.41 V	152	30.8	16.5
7	11000.00	36.1 AV	54.0	-17.9	3.41 V	152	19.6	16.5
8	#16500.00	50.0 PK	68.2	-18.2	3.23 V	164	31.4	18.6

Remarks:

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

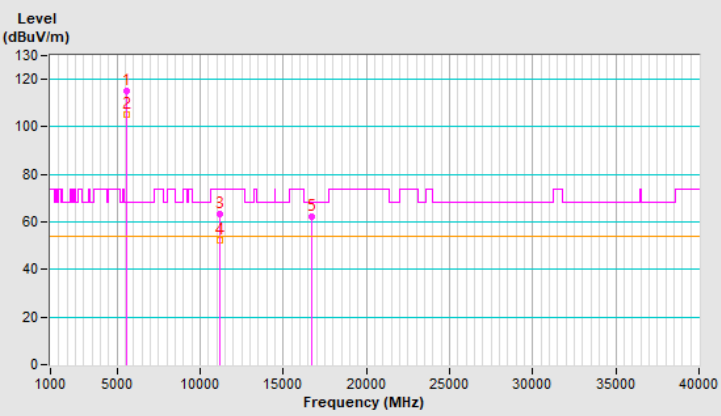


RF Mode	802.11n (HT20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	115.2 PK			1.44 H	54	109.6	5.6
2	*5580.00	105.2 AV			1.44 H	54	99.6	5.6
3	11160.00	63.2 PK	74.0	-10.8	1.44 H	58	46.6	16.6
4	11160.00	52.5 AV	54.0	-1.5	1.44 H	58	35.9	16.6
5	#16740.00	62.3 PK	68.2	-5.9	1.45 H	56	42.3	20.0

Remarks:

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

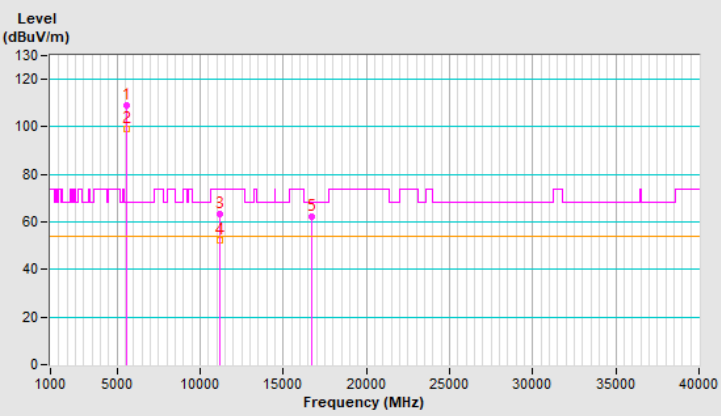


RF Mode	802.11n (HT20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	109.2 PK			3.31 V	160	103.6	5.6
2	*5580.00	99.2 AV			3.31 V	160	93.6	5.6
3	11160.00	63.1 PK	74.0	-10.9	3.35 V	152	46.5	16.6
4	11160.00	52.1 AV	54.0	-1.9	3.35 V	152	35.5	16.6
5	#16740.00	62.1 PK	68.2	-6.1	3.02 V	144	42.1	20.0

Remarks:

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

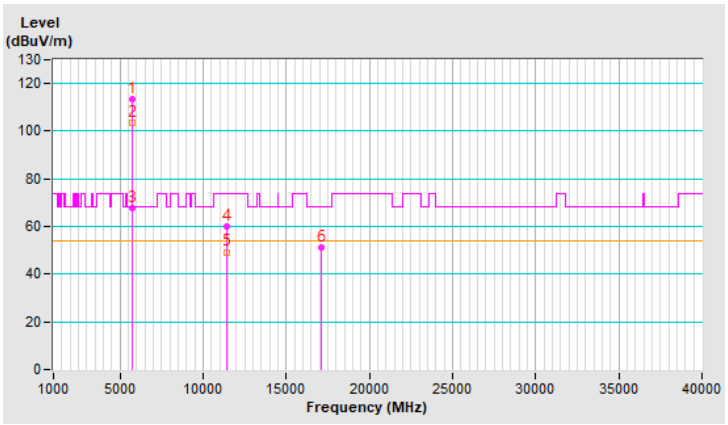


RF Mode	802.11n (HT20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	113.5 PK			1.43 H	59	107.8	5.7
2	*5700.00	103.5 AV			1.43 H	59	97.8	5.7
3	#5725.00	67.5 PK	68.2	-0.7	1.43 H	59	61.8	5.7
4	11400.00	60.2 PK	74.0	-13.8	1.45 H	57	43.1	17.1
5	11400.00	49.3 AV	54.0	-4.7	1.45 H	57	32.2	17.1
6	#17100.00	51.2 PK	68.2	-17.0	1.44 H	58	31.1	20.1

Remarks:

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

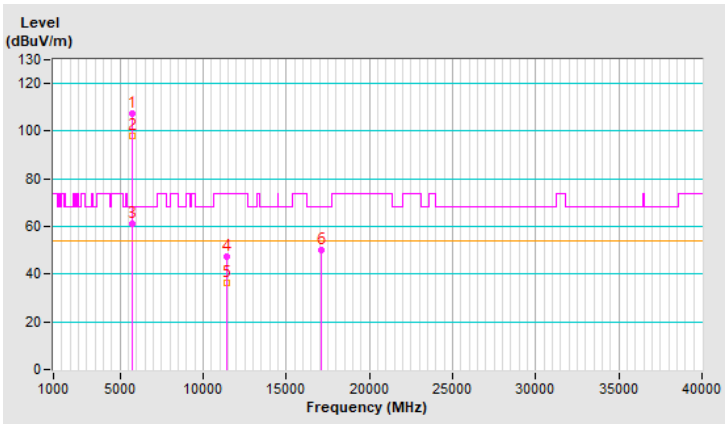


RF Mode	802.11n (HT20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	107.2 PK			3.54 V	152	101.5	5.7
2	*5700.00	98.2 AV			3.54 V	152	92.5	5.7
3	#5725.00	61.2 PK	68.2	-7.0	3.54 V	152	55.5	5.7
4	11400.00	47.2 PK	74.0	-26.8	3.55 V	141	30.1	17.1
5	11400.00	36.1 AV	54.0	-17.9	3.55 V	141	19.0	17.1
6	#17100.00	50.2 PK	68.2	-18.0	3.54 V	152	30.1	20.1

Remarks:

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

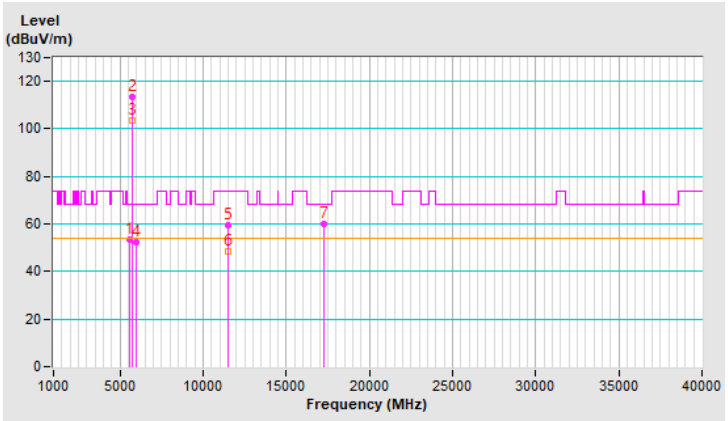


RF Mode	802.11n (HT20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5589.37	53.6 PK	68.2	-14.6	1.50 H	56	48.0	5.6
2	*5745.00	113.2 PK			1.50 H	56	107.4	5.8
3	*5745.00	103.6 AV			1.50 H	56	97.8	5.8
4	#5953.98	52.2 PK	68.2	-16.0	1.50 H	56	45.7	6.5
5	11490.00	59.4 PK	74.0	-14.6	1.15 H	68	42.1	17.3
6	11490.00	48.3 AV	54.0	-5.7	1.15 H	68	31.0	17.3
7	#17235.00	60.2 PK	68.2	-8.0	1.23 H	62	39.6	20.6

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.

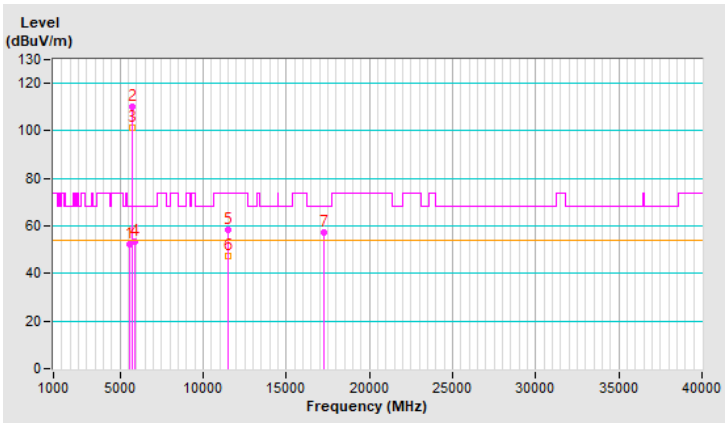


RF Mode	802.11n (HT20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5599.07	52.3 PK	68.2	-15.9	3.32 V	166	46.7	5.6
2	*5745.00	110.2 PK			3.32 V	166	104.4	5.8
3	*5745.00	101.5 AV			3.32 V	166	95.7	5.8
4	#5932.59	53.2 PK	68.2	-15.0	3.32 V	166	46.8	6.4
5	11490.00	58.2 PK	74.0	-15.8	1.16 V	67	40.9	17.3
6	11490.00	47.2 AV	54.0	-6.8	1.16 V	67	29.9	17.3
7	#17235.00	57.5 PK	68.2	-10.7	1.54 V	68	36.9	20.6

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.

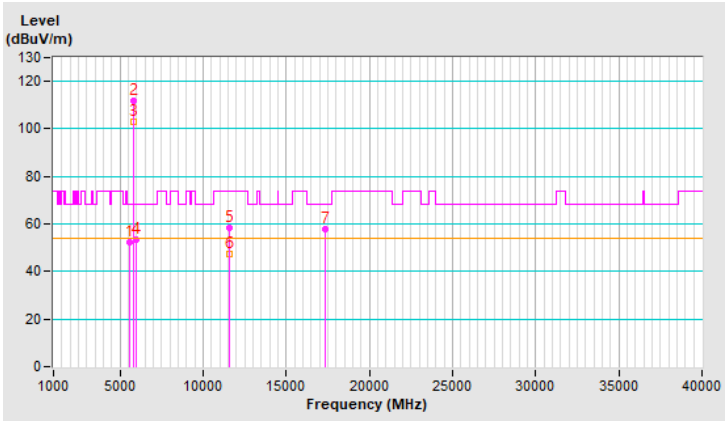


RF Mode	802.11n (HT20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5597.10	52.4 PK	68.2	-15.8	1.32 H	58	46.8	5.6
2	*5785.00	111.9 PK			1.32 H	58	106.0	5.9
3	*5785.00	103.0 AV			1.32 H	58	97.1	5.9
4	#5971.50	53.5 PK	68.2	-14.7	1.32 H	58	47.0	6.5
5	11570.00	58.2 PK	74.0	-15.8	1.15 H	65	41.1	17.1
6	11570.00	47.2 AV	54.0	-6.8	1.15 H	65	30.1	17.1
7	#17355.00	57.6 PK	68.2	-10.6	1.22 H	63	36.5	21.1

Remarks:

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

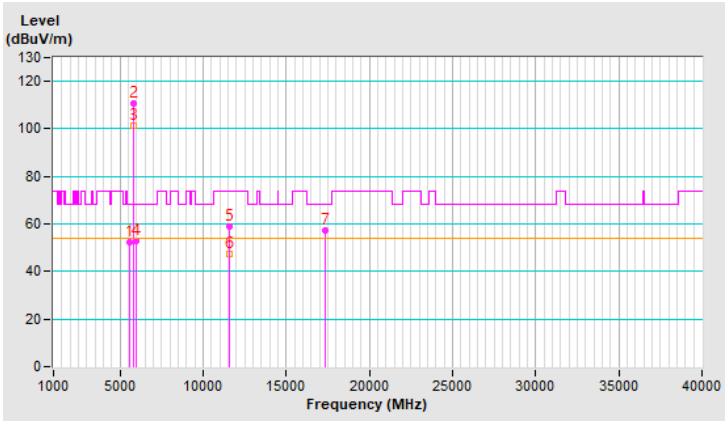


RF Mode	802.11n (HT20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5570.97	52.1 PK	68.2	-16.1	3.49 V	173	46.7	5.4
2	*5785.00	110.9 PK			3.49 V	173	105.0	5.9
3	*5785.00	101.5 AV			3.49 V	173	95.6	5.9
4	#5946.42	53.1 PK	68.2	-15.1	3.49 V	173	46.6	6.5
5	11570.00	58.7 PK	74.0	-15.3	1.15 V	65	41.6	17.1
6	11570.00	47.5 AV	54.0	-6.5	1.15 V	65	30.4	17.1
7	#17355.00	57.4 PK	68.2	-10.8	1.64 V	62	36.3	21.1

Remarks:

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

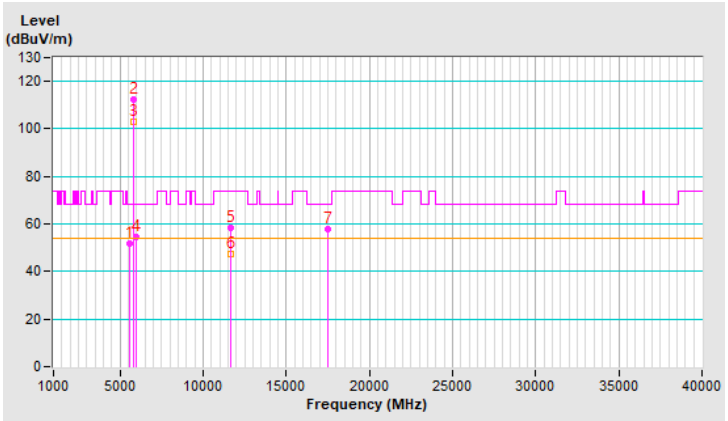


RF Mode	802.11n (HT20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5580.83	51.7 PK	68.2	-16.5	1.31 H	58	46.1	5.6
2	*5825.00	112.4 PK			1.31 H	58	106.4	6.0
3	*5825.00	103.1 AV			1.31 H	58	97.1	6.0
4	#5945.02	54.4 PK	68.2	-13.8	1.31 H	58	47.9	6.5
5	11650.00	58.4 PK	74.0	-15.6	1.16 H	66	41.7	16.7
6	11650.00	47.5 AV	54.0	-6.5	1.16 H	66	30.8	16.7
7	#17475.00	57.6 PK	68.2	-10.6	1.23 H	58	35.1	22.5

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.

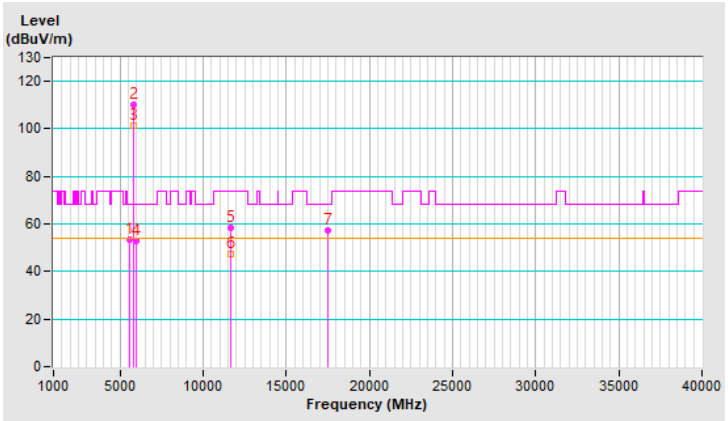


RF Mode	802.11n (HT20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5590.65	53.5 PK	68.2	-14.7	3.52 V	171	47.9	5.6
2	*5825.00	110.2 PK			3.52 V	171	104.2	6.0
3	*5825.00	101.5 AV			3.52 V	171	95.5	6.0
4	#5954.76	52.9 PK	68.2	-15.3	3.52 V	171	46.4	6.5
5	11650.00	58.3 PK	74.0	-15.7	1.15 V	60	41.6	16.7
6	11650.00	47.2 AV	54.0	-6.8	1.15 V	60	30.5	16.7
7	#17475.00	57.1 PK	68.2	-11.1	1.56 V	57	34.6	22.5

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.

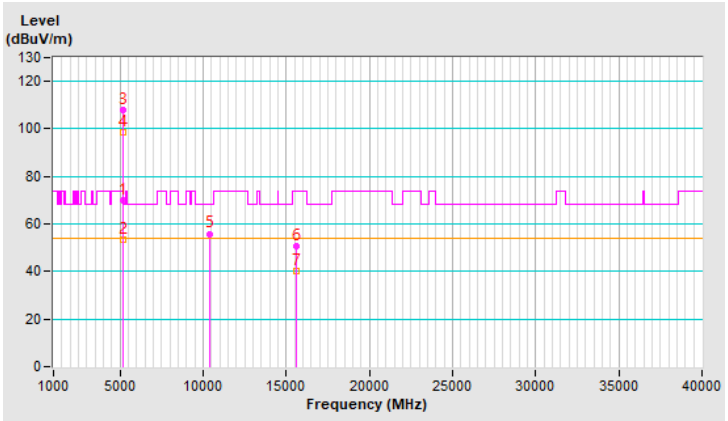


RF Mode	802.11n (HT40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	70.0 PK	74.0	-4.0	1.65 H	52	64.8	5.2
2	5150.00	53.5 AV	54.0	-0.5	1.65 H	52	48.3	5.2
3	*5190.00	107.8 PK			1.65 H	52	102.7	5.1
4	*5190.00	98.4 AV			1.65 H	52	93.3	5.1
5	#10380.00	55.9 PK	68.2	-12.3	1.17 H	303	39.9	16.0
6	15570.00	50.9 PK	74.0	-23.1	1.15 H	286	33.5	17.4
7	15570.00	40.0 AV	54.0	-14.0	1.15 H	286	22.6	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.

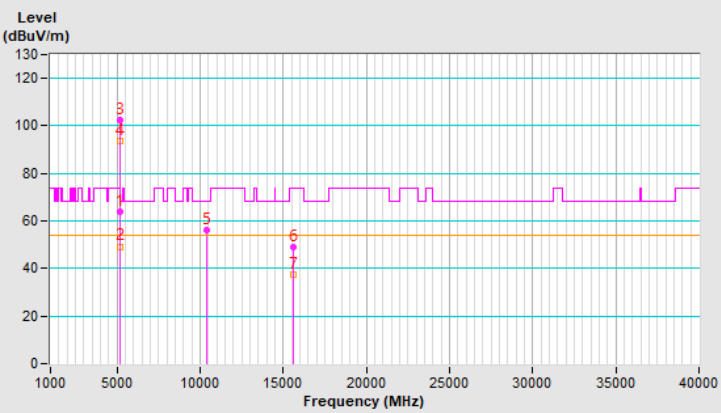


RF Mode	802.11n (HT40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	63.8 PK	74.0	-10.2	3.63 V	159	58.6	5.2
2	5150.00	49.3 AV	54.0	-4.7	3.63 V	159	44.1	5.2
3	*5190.00	102.6 PK			3.63 V	159	97.5	5.1
4	*5190.00	93.7 AV			3.63 V	159	88.6	5.1
5	#10380.00	56.1 PK	68.2	-12.1	3.45 V	154	40.1	16.0
6	15570.00	48.9 PK	74.0	-25.1	3.18 V	182	31.5	17.4
7	15570.00	37.3 AV	54.0	-16.7	3.18 V	182	19.9	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.

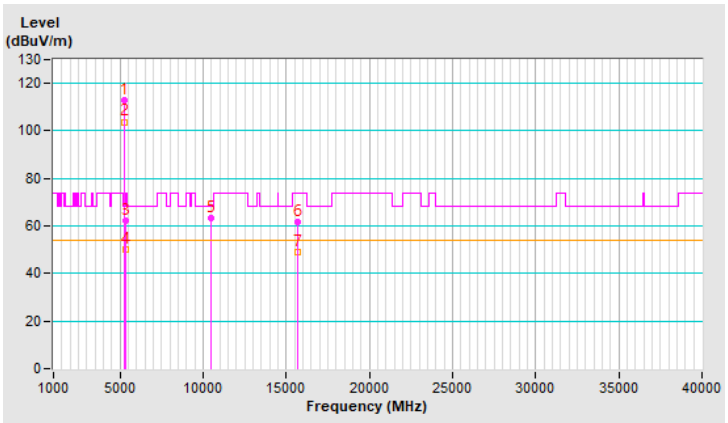


RF Mode	802.11n (HT40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5230.00	113.0 PK			1.65 H	52	108.1	4.9
2	*5230.00	103.8 AV			1.65 H	52	98.9	4.9
3	5350.00	62.1 PK	74.0	-11.9	1.65 H	52	57.1	5.0
4	5350.00	50.1 AV	54.0	-3.9	1.65 H	52	45.1	5.0
5	#10460.00	63.5 PK	68.2	-4.7	1.15 H	304	47.3	16.2
6	15690.00	61.5 PK	74.0	-12.5	1.17 H	287	44.7	16.8
7	15690.00	49.2 AV	54.0	-4.8	1.17 H	287	32.4	16.8

Remarks:

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

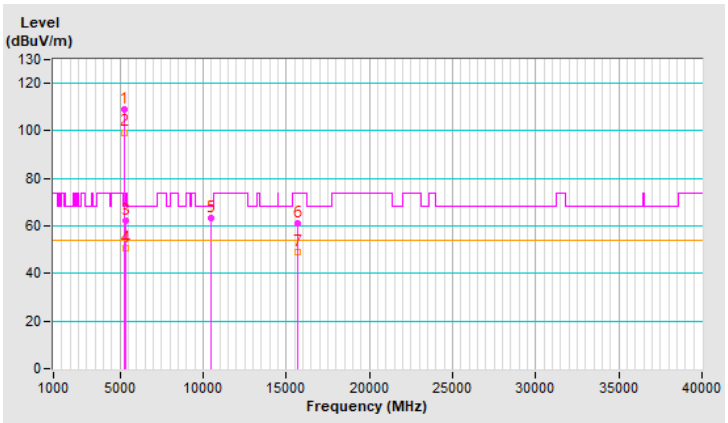


RF Mode	802.11n (HT40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5230.00	108.8 PK			3.57 V	157	103.9	4.9
2	*5230.00	99.4 AV			3.57 V	157	94.5	4.9
3	5350.00	62.4 PK	74.0	-11.6	3.57 V	157	57.4	5.0
4	5350.00	50.8 AV	54.0	-3.2	3.57 V	157	45.8	5.0
5	#10460.00	63.1 PK	68.2	-5.1	3.40 V	166	46.9	16.2
6	15690.00	61.2 PK	74.0	-12.8	3.22 V	175	44.4	16.8
7	15690.00	49.1 AV	54.0	-4.9	3.22 V	175	32.3	16.8

Remarks:

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

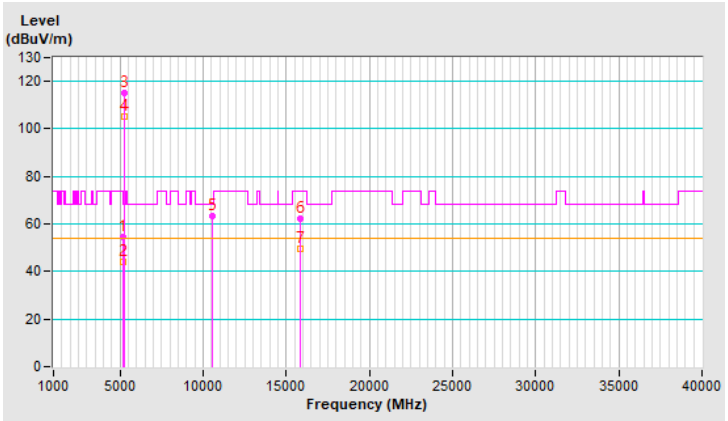


RF Mode	802.11n (HT40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	54.5 PK	74.0	-19.5	1.44 H	57	49.3	5.2
2	5150.00	44.3 AV	54.0	-9.7	1.44 H	57	39.1	5.2
3	*5270.00	115.1 PK			1.44 H	57	110.4	4.7
4	*5270.00	105.2 AV			1.44 H	57	100.5	4.7
5	#10540.00	63.5 PK	68.2	-4.7	1.15 H	289	47.3	16.2
6	15810.00	62.3 PK	74.0	-11.7	1.17 H	303	45.7	16.6
7	15810.00	49.5 AV	54.0	-4.5	1.17 H	303	32.9	16.6

Remarks:

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

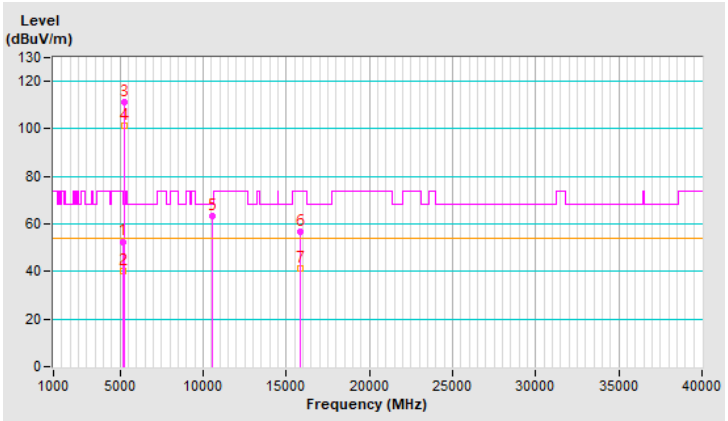


RF Mode	802.11n (HT40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	52.6 PK	74.0	-21.4	3.31 V	145	47.4	5.2
2	5150.00	40.2 AV	54.0	-13.8	3.31 V	145	35.0	5.2
3	*5270.00	111.3 PK			3.31 V	145	106.6	4.7
4	*5270.00	101.5 AV			3.31 V	145	96.8	4.7
5	#10540.00	63.4 PK	68.2	-4.8	3.36 V	152	47.2	16.2
6	15810.00	56.5 PK	74.0	-17.5	3.23 V	164	39.9	16.6
7	15810.00	41.5 AV	54.0	-12.5	3.23 V	164	24.9	16.6

Remarks:

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

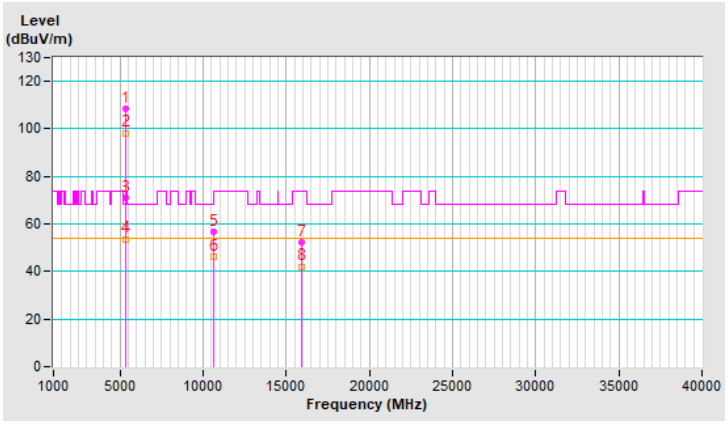


RF Mode	802.11n (HT40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5310.00	108.3 PK			1.44 H	57	103.5	4.8
2	*5310.00	98.3 AV			1.44 H	57	93.5	4.8
3	5350.00	70.8 PK	74.0	-3.2	1.44 H	57	65.8	5.0
4	5350.00	53.7 AV	54.0	-0.3	1.44 H	57	48.7	5.0
5	10620.00	56.8 PK	74.0	-17.2	1.15 H	314	40.9	15.9
6	10620.00	46.5 AV	54.0	-7.5	1.15 H	314	30.6	15.9
7	15930.00	52.3 PK	74.0	-21.7	1.15 H	287	35.7	16.6
8	15930.00	42.1 AV	54.0	-11.9	1.15 H	287	25.5	16.6

Remarks:

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

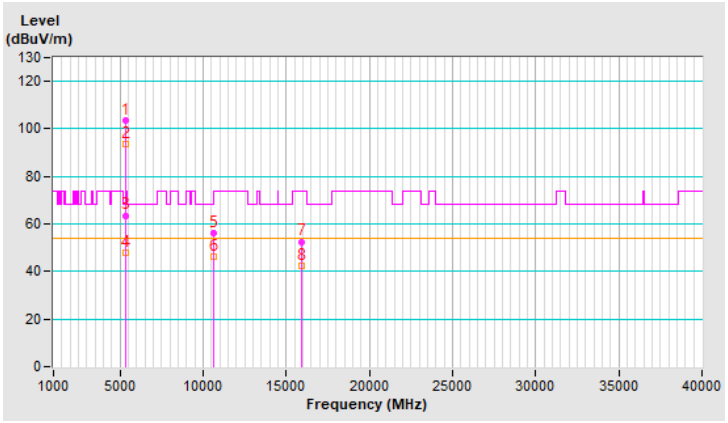


RF Mode	802.11n (HT40)	**Channel**	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5310.00	103.7 PK			3.22 V	151	98.9	4.8
2	*5310.00	93.8 AV			3.22 V	151	89.0	4.8
3	5350.00	63.6 PK	74.0	-10.4	3.22 V	151	58.6	5.0
4	5350.00	48.1 AV	54.0	-5.9	3.22 V	151	43.1	5.0
5	10620.00	56.4 PK	74.0	-17.6	3.21 V	166	40.5	15.9
6	10620.00	46.3 AV	54.0	-7.7	3.21 V	166	30.4	15.9
7	15930.00	52.6 PK	74.0	-21.4	3.33 V	154	36.0	16.6
8	15930.00	42.5 AV	54.0	-11.5	3.33 V	154	25.9	16.6

Remarks:

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

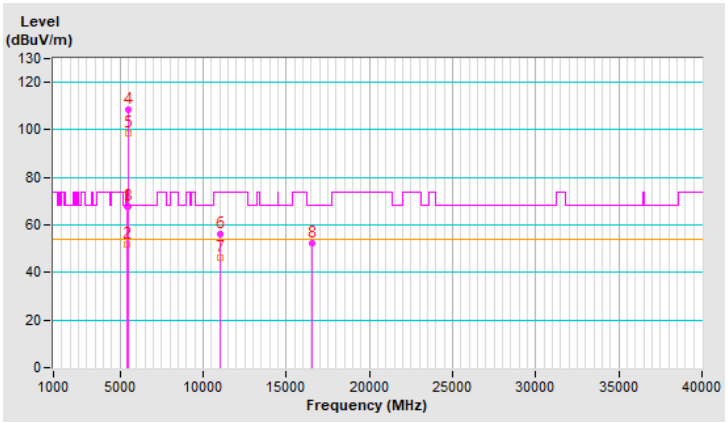


RF Mode	802.11n (HT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	67.8 PK	74.0	-6.2	1.44 H	57	62.6	5.2
2	5460.00	51.6 AV	54.0	-2.4	1.44 H	57	46.4	5.2
3	#5470.00	67.5 PK	68.2	-0.7	1.44 H	57	62.3	5.2
4	*5510.00	108.6 PK			1.44 H	57	103.3	5.3
5	*5510.00	98.8 AV			1.44 H	57	93.5	5.3
6	11020.00	56.2 PK	74.0	-17.8	1.46 H	56	39.6	16.6
7	11020.00	46.1 AV	54.0	-7.9	1.46 H	56	29.5	16.6
8	#16530.00	52.4 PK	68.2	-15.8	1.66 H	55	33.8	18.6

Remarks:

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

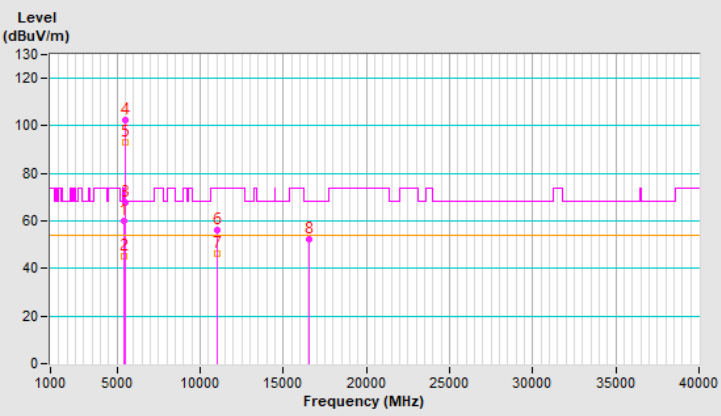


RF Mode	802.11n (HT40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	60.2 PK	74.0	-13.8	3.34 V	162	55.0	5.2
2	5460.00	45.2 AV	54.0	-8.8	3.34 V	162	40.0	5.2
3	#5470.00	67.5 PK	68.2	-0.7	3.34 V	162	62.3	5.2
4	*5510.00	102.4 PK			3.34 V	162	97.1	5.3
5	*5510.00	93.2 AV			3.34 V	162	87.9	5.3
6	11020.00	56.1 PK	74.0	-17.9	3.31 V	152	39.5	16.6
7	11020.00	46.2 AV	54.0	-7.8	3.31 V	152	29.6	16.6
8	#16530.00	52.4 PK	68.2	-15.8	3.33 V	125	33.8	18.6

Remarks:

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

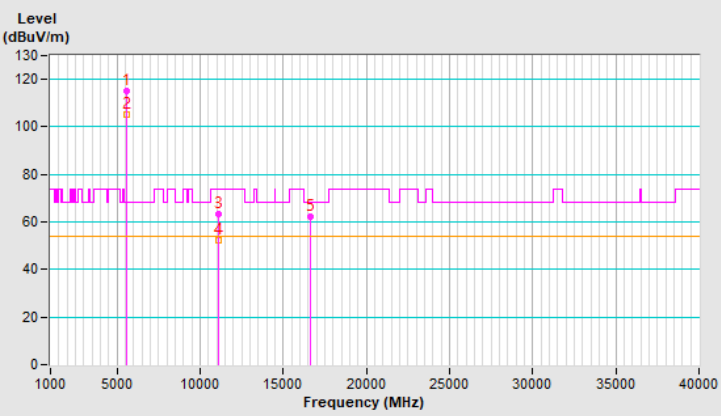


RF Mode	802.11n (HT40)	**Channel**	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5550.00	115.3 PK			1.44 H	57	110.0	5.3
2	*5550.00	105.1 AV			1.44 H	57	99.8	5.3
3	11100.00	63.4 PK	74.0	-10.6	1.44 H	60	46.7	16.7
4	11100.00	52.3 AV	54.0	-1.7	1.44 H	60	35.6	16.7
5	#16650.00	62.1 PK	68.2	-6.1	1.45 H	58	42.7	19.4

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.

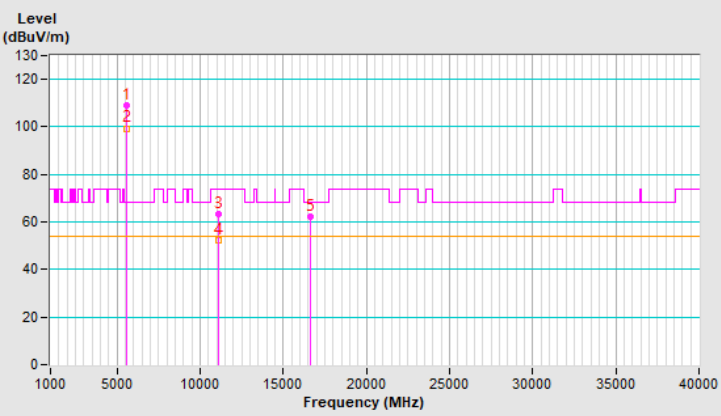


RF Mode	802.11n (HT40)	**Channel**	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5550.00	109.2 PK			3.36 V	158	103.9	5.3
2	*5550.00	99.4 AV			3.36 V	158	94.1	5.3
3	11100.00	63.2 PK	74.0	-10.8	3.34 V	163	46.5	16.7
4	11100.00	52.4 AV	54.0	-1.6	3.34 V	163	35.7	16.7
5	#16650.00	62.2 PK	68.2	-6.0	3.01 V	145	42.8	19.4

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.

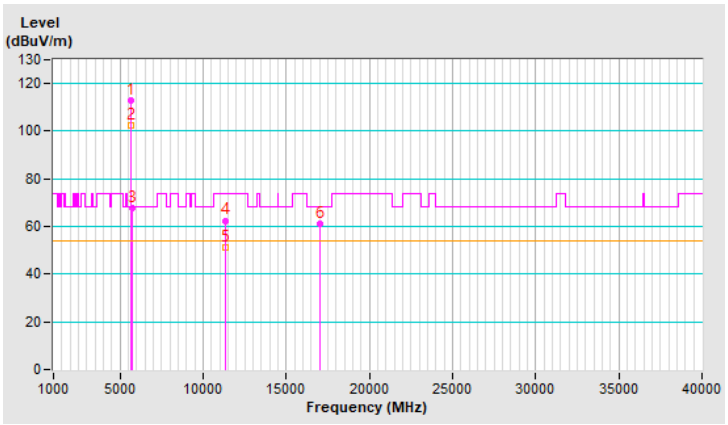


RF Mode	802.11n (HT40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	*5670.00	113.0 PK			1.44 H	57	107.3	5.7
2	*5670.00	102.3 AV			1.44 H	57	96.6	5.7
3	#5725.00	67.8 PK	68.2	-0.4	1.44 H	57	62.1	5.7
4	11340.00	62.5 PK	74.0	-11.5	1.45 H	60	45.6	16.9
5	11340.00	51.3 AV	54.0	-2.7	1.45 H	60	34.4	16.9
6	#17010.00	61.3 PK	68.2	-6.9	1.46 H	58	41.1	20.2

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.

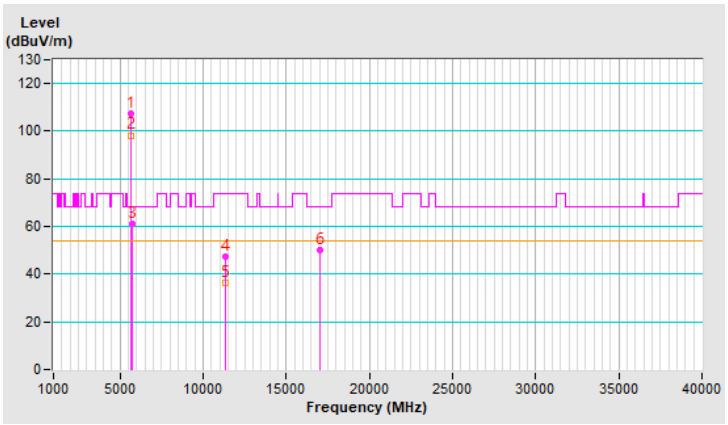


RF Mode	802.11n (HT40)	**Channel**	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	*5670.00	107.5 PK			3.45 V	153	101.8	5.7
2	*5670.00	98.3 AV			3.45 V	153	92.6	5.7
3	#5725.00	61.1 PK	68.2	-7.1	3.45 V	153	55.4	5.7
4	11340.00	47.3 PK	74.0	-26.7	3.45 V	152	30.4	16.9
5	11340.00	36.4 AV	54.0	-17.6	3.45 V	152	19.5	16.9
6	#17010.00	50.3 PK	68.2	-17.9	3.44 V	125	30.1	20.2

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.

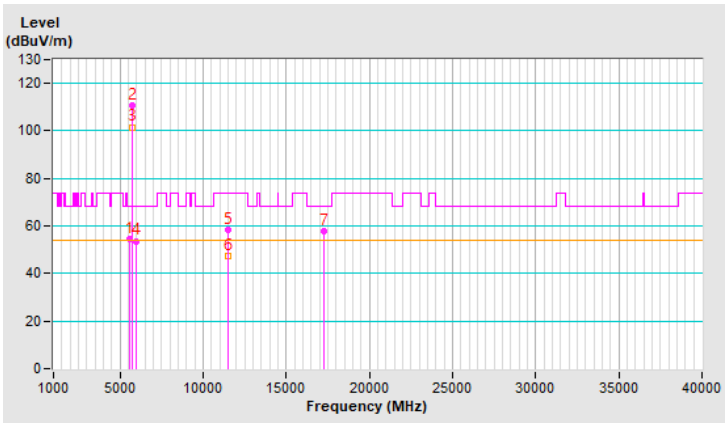


RF Mode	802.11n (HT40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5588.18	54.6 PK	68.2	-13.6	1.41 H	58	49.0	5.6
2	*5755.00	110.9 PK			1.41 H	58	105.0	5.9
3	*5755.00	101.6 AV			1.41 H	58	95.7	5.9
4	#5945.35	53.7 PK	68.2	-14.5	1.41 H	58	47.2	6.5
5	11510.00	58.6 PK	74.0	-15.4	1.16 H	66	41.3	17.3
6	11510.00	47.5 AV	54.0	-6.5	1.16 H	66	30.2	17.3
7	#17265.00	57.6 PK	68.2	-10.6	1.41 H	58	36.9	20.7

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.

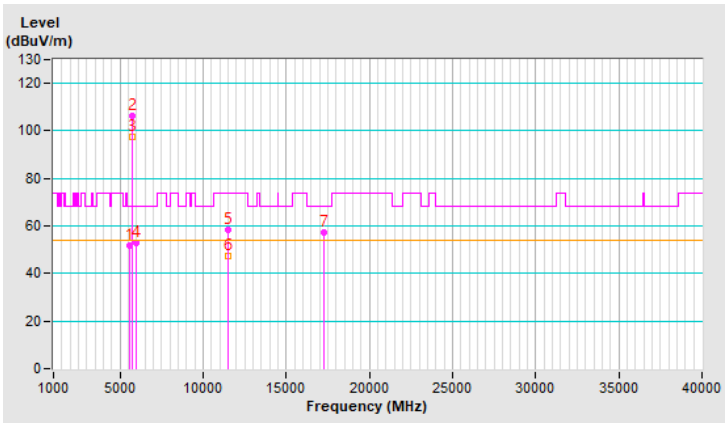


RF Mode	802.11n (HT40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	20°C, 70% RH
Tested By	Sampson Chen		

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	#5605.59	51.7 PK	68.2	-16.5	3.45 V	154	46.1	5.6
2	*5755.00	106.4 PK			3.45 V	154	100.5	5.9
3	*5755.00	97.3 AV			3.45 V	154	91.4	5.9
4	#5972.90	52.9 PK	68.2	-15.3	3.45 V	154	46.4	6.5
5	11510.00	58.3 PK	74.0	-15.7	1.15 V	67	41.0	17.3
6	11510.00	47.1 AV	54.0	-6.9	1.15 V	67	29.8	17.3
7	#17265.00	57.3 PK	68.2	-10.9	1.56 V	34	36.6	20.7

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.

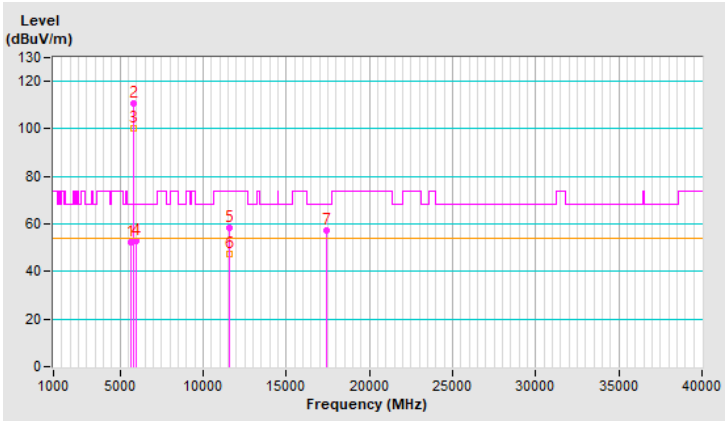


RF Mode	802.11n (HT40)	**Channel**	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

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	#5625.62	52.5 PK	68.2	-15.7	1.41 H	57	46.8	5.7
2	*5795.00	110.7 PK			1.41 H	57	104.8	5.9
3	*5795.00	100.4 AV			1.41 H	57	94.5	5.9
4	#5957.41	52.8 PK	68.2	-15.4	1.41 H	57	46.3	6.5
5	11590.00	58.4 PK	74.0	-15.6	1.15 H	66	41.4	17.0
6	11590.00	47.3 AV	54.0	-6.7	1.15 H	66	30.3	17.0
7	#17385.00	57.5 PK	68.2	-10.7	1.21 H	54	36.4	21.1

Remarks:

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

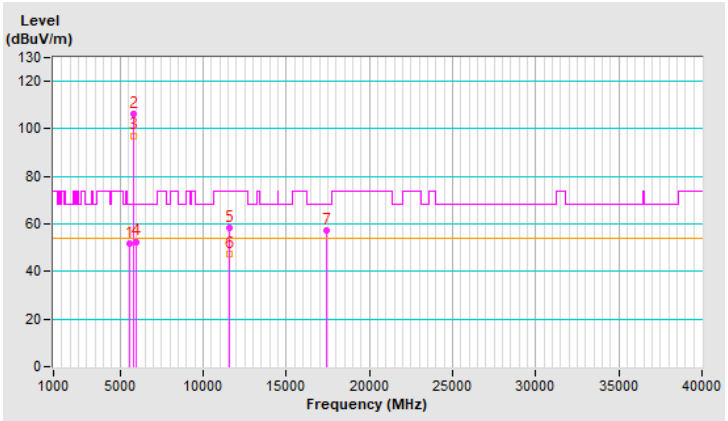


RF Mode	802.11n (HT40)	**Channel**	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power (System)	120 Vac, 60Hz	**Environmental Conditions**	20°C, 70% RH
Tested By	Sampson Chen		

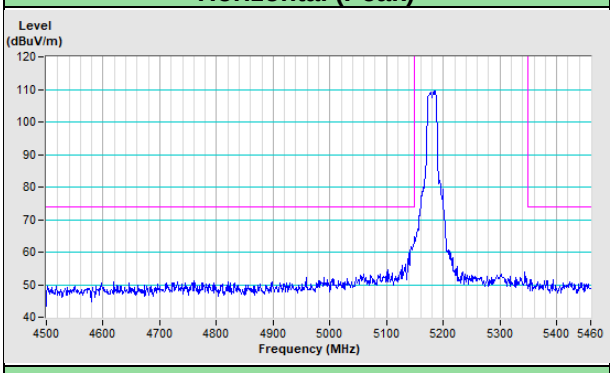
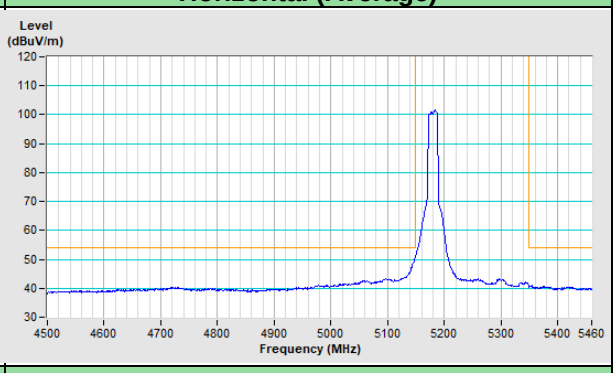
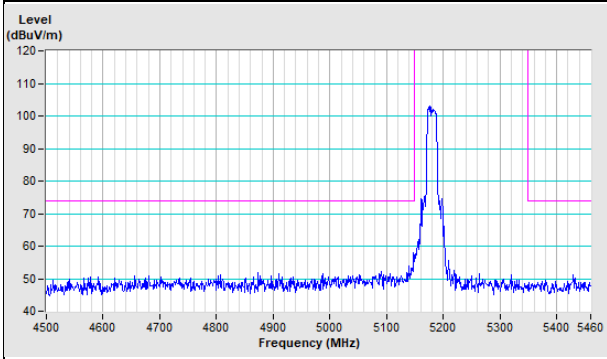
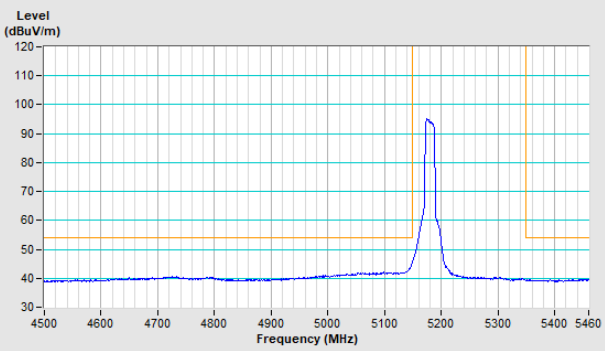
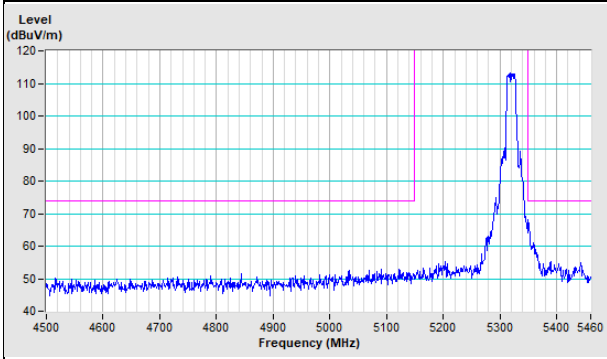
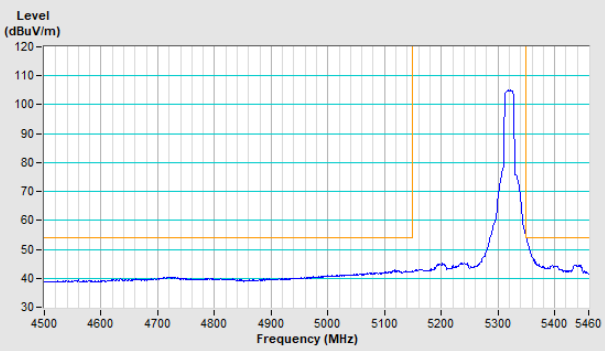
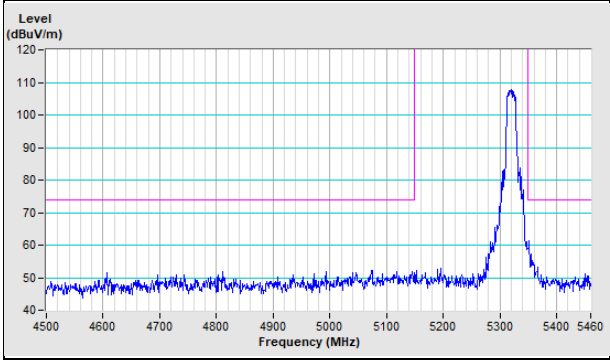
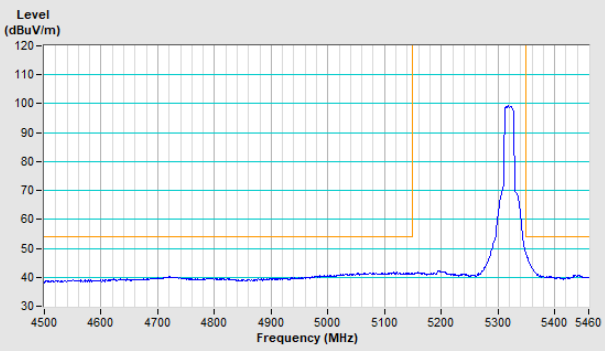
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5609.52	52.0 PK	68.2	-16.2	3.52 V	188	46.3	5.7
2	*5795.00	106.5 PK			3.52 V	188	100.6	5.9
3	*5795.00	97.2 AV			3.52 V	188	91.3	5.9
4	#5977.62	52.6 PK	68.2	-15.6	3.52 V	188	46.1	6.5
5	11590.00	58.4 PK	74.0	-15.6	1.64 V	66	41.4	17.0
6	11590.00	47.3 AV	54.0	-6.7	1.64 V	66	30.3	17.0
7	#17385.00	57.2 PK	68.2	-11.0	1.71 V	55	36.1	21.1

Remarks:

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

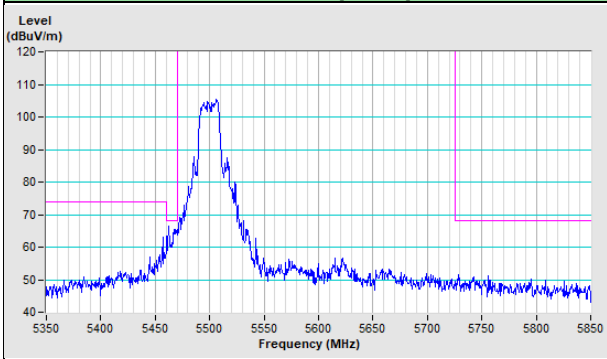


Plot of Band Edge-_Mode B

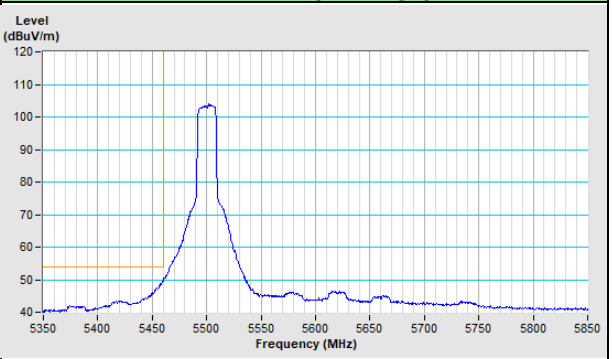
802.11a Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11a Channel 100

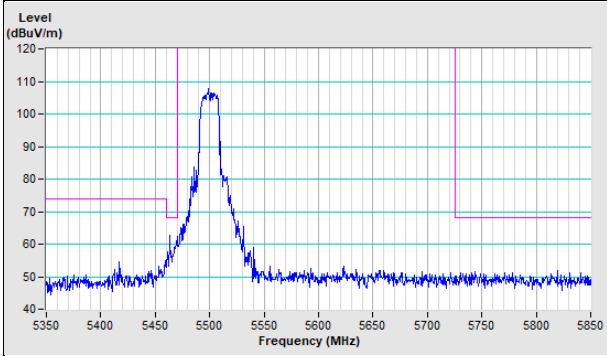
Horizontal (Peak)



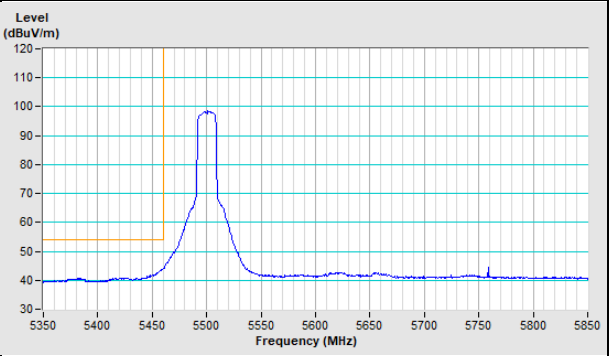
Horizontal (Average)



Vertical (Peak)

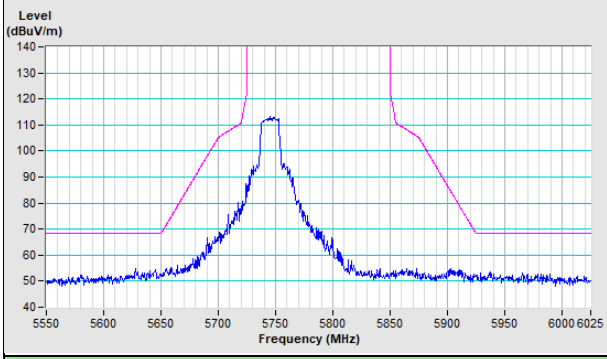


Vertical (Average)

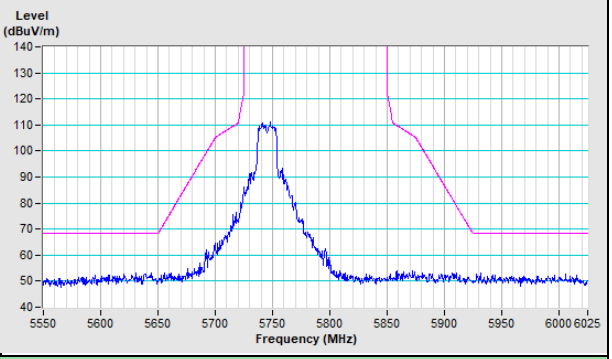


802.11a Channel 149

Horizontal (Peak)

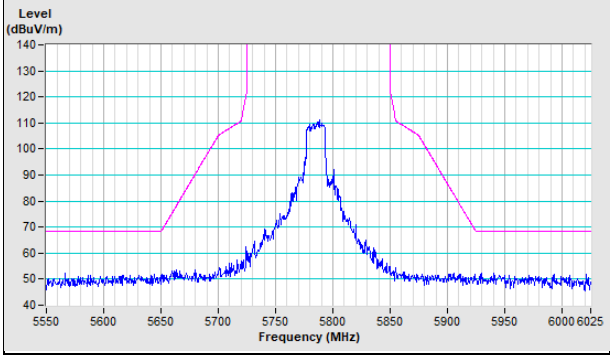


Vertical (Peak)

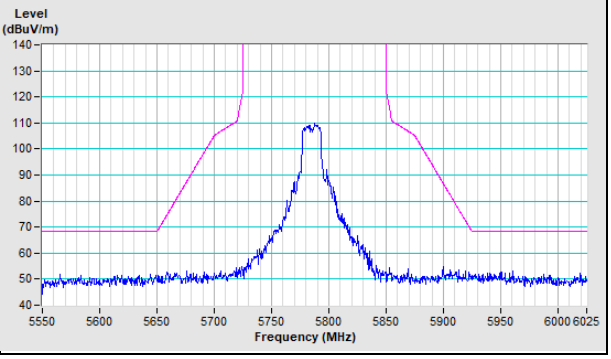


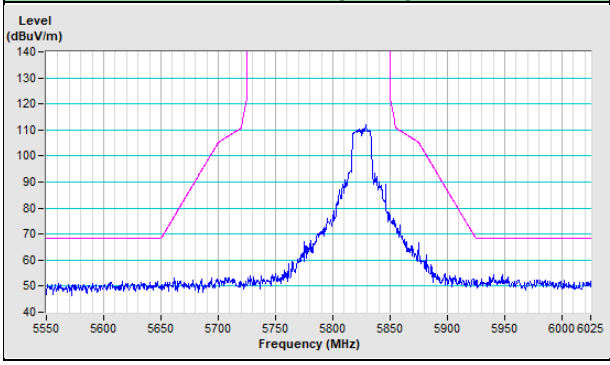
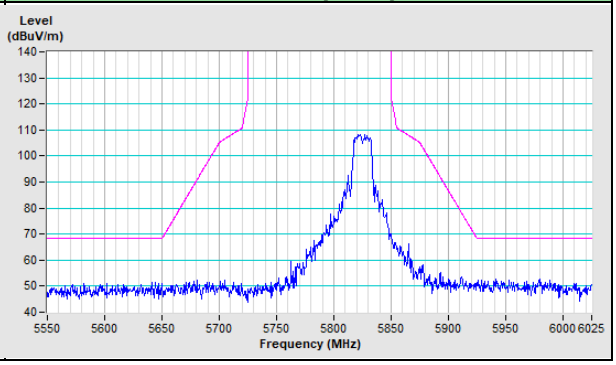
802.11a Channel 157

Horizontal (Peak)



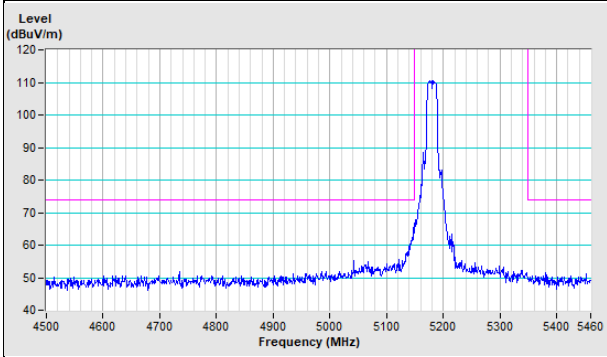
Vertical (Peak)



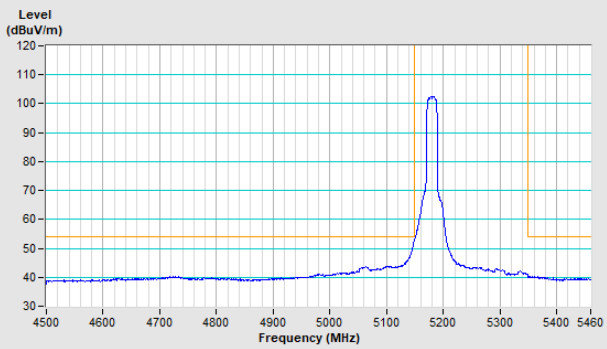
802.11a Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11n (HT20) Channel 36

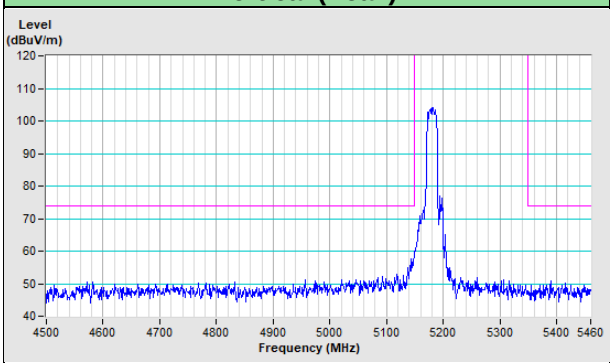
Horizontal (Peak)



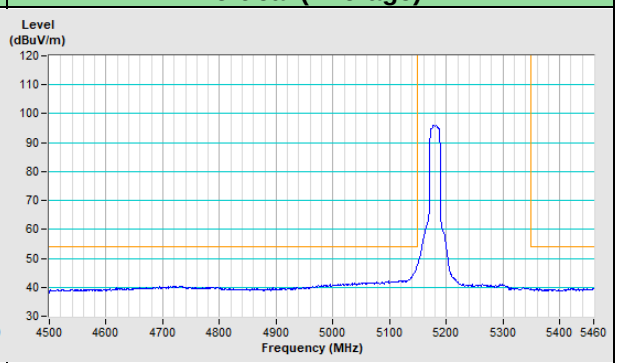
Horizontal (Average)



Vertical (Peak)

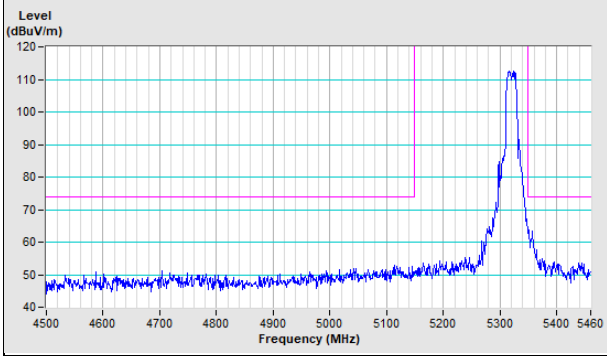


Vertical (Average)

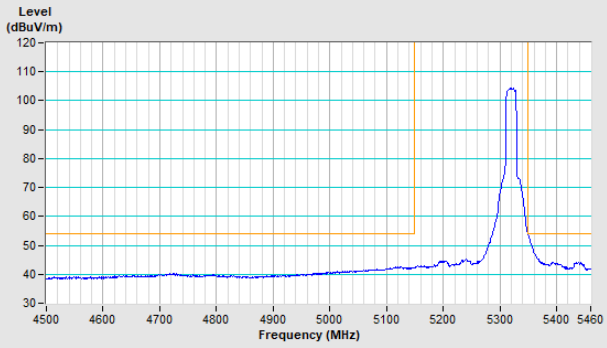


802.11n (HT20) Channel 64

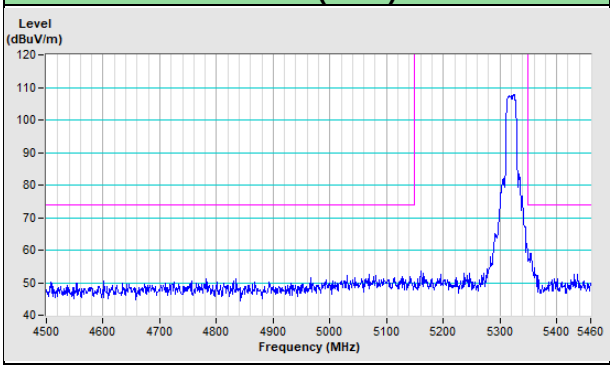
Horizontal (Peak)



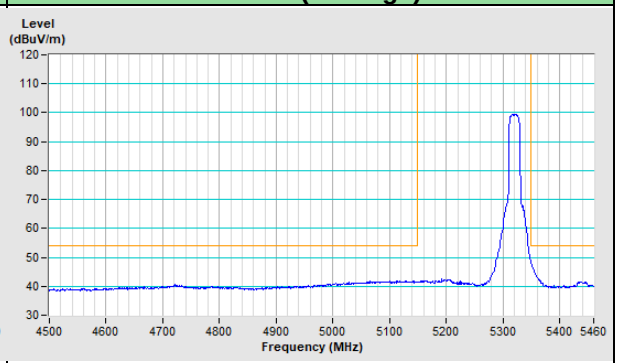
Horizontal (Average)



Vertical (Peak)

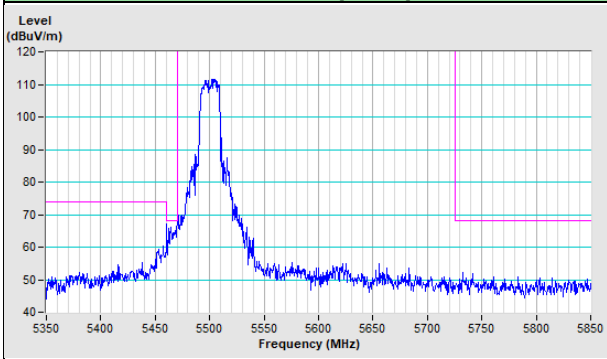


Vertical (Average)

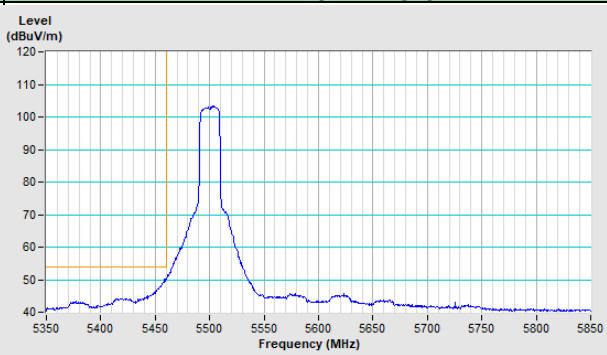


802.11n (HT20) Channel 100

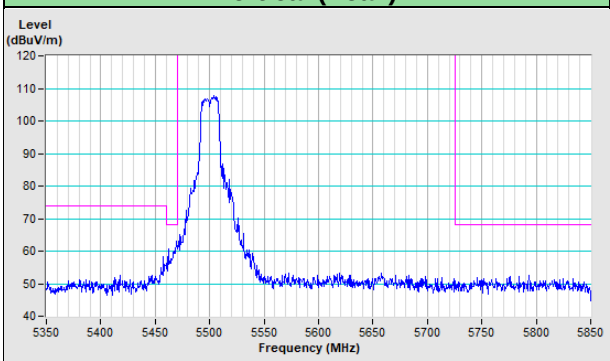
Horizontal (Peak)



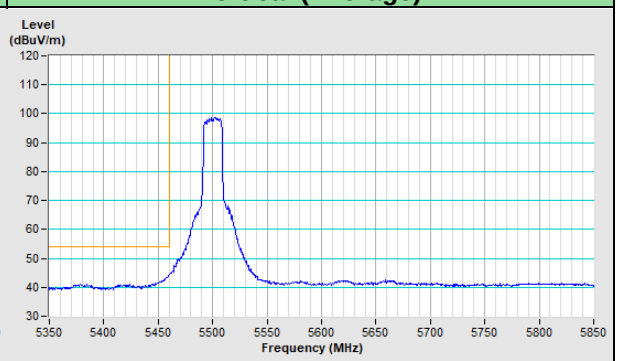
Horizontal (Average)



Vertical (Peak)

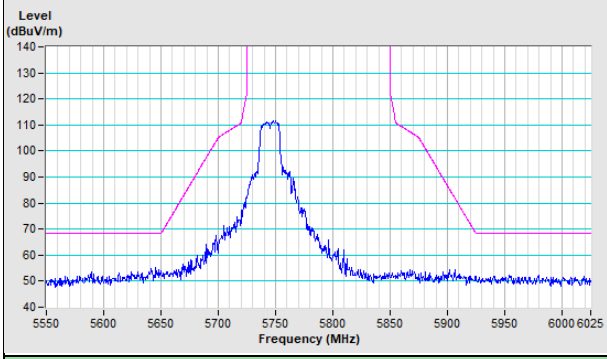


Vertical (Average)

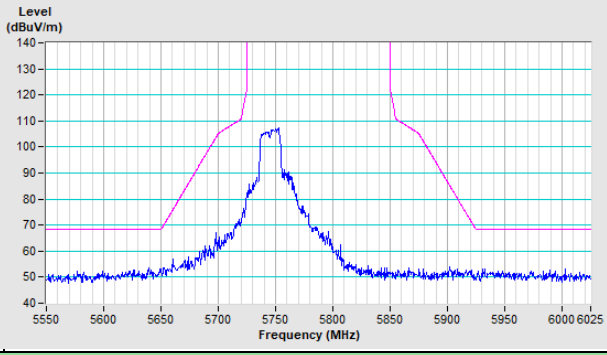


802.11n (HT20) Channel 149

Horizontal (Peak)

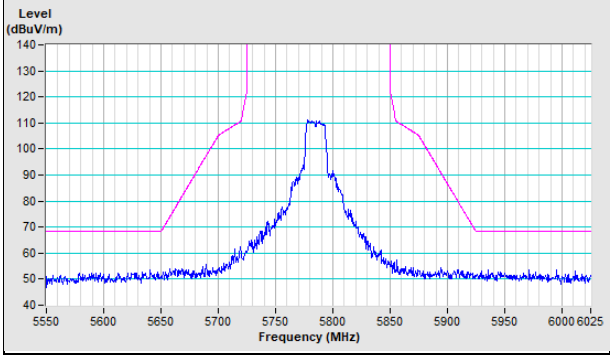


Vertical (Peak)

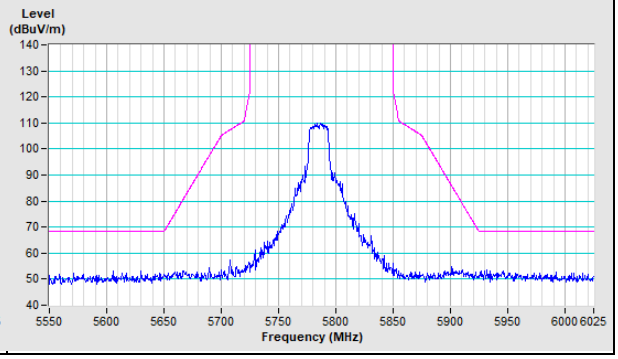


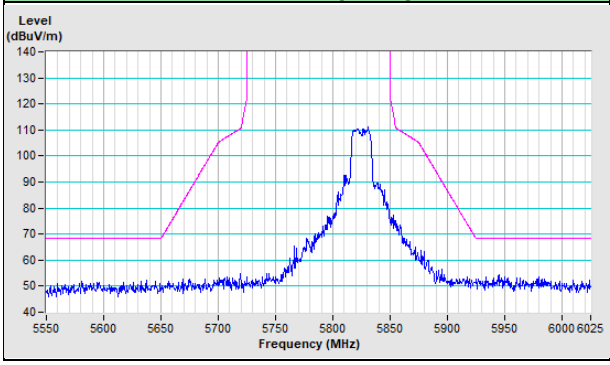
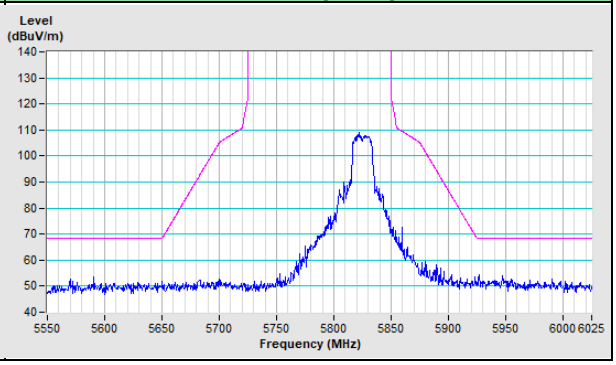
802.11n (HT20) Channel 157

Horizontal (Peak)



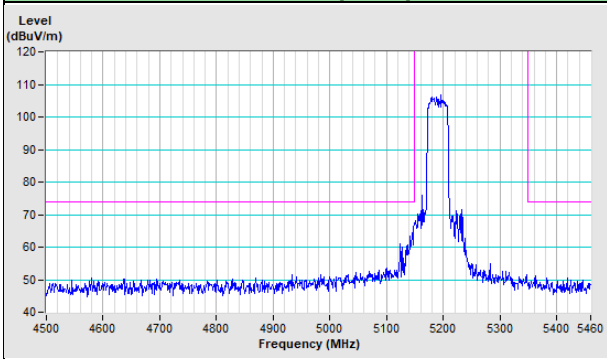
Vertical (Peak)



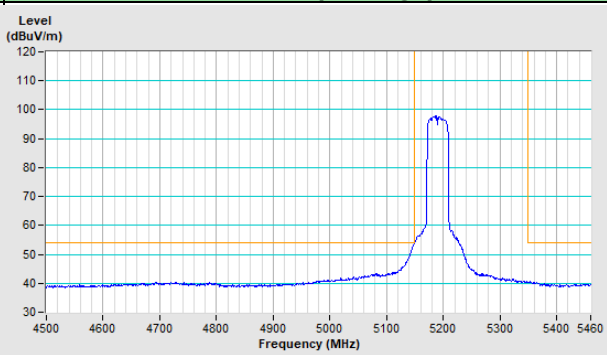
802.11n (HT20) Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11n (HT40) Channel 38

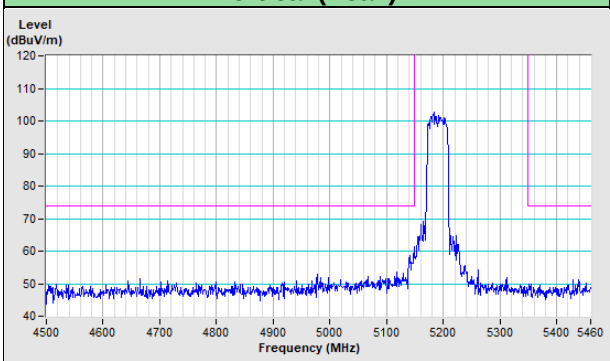
Horizontal (Peak)



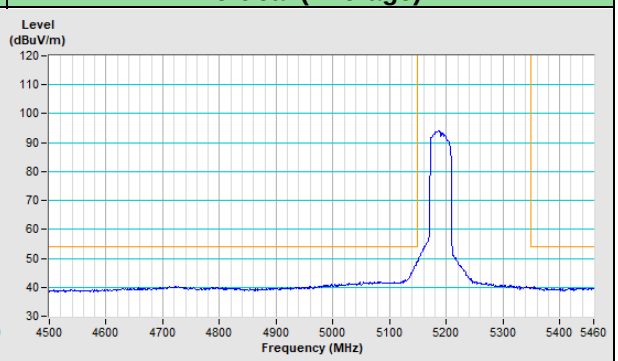
Horizontal (Average)



Vertical (Peak)

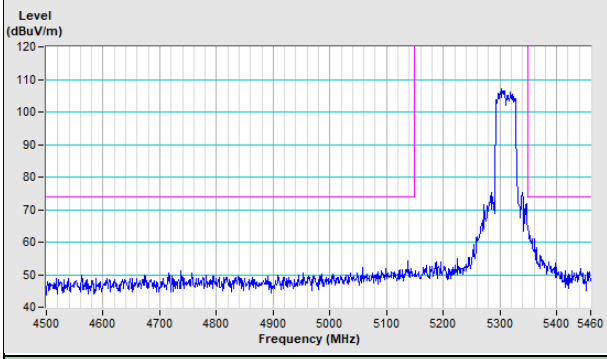


Vertical (Average)

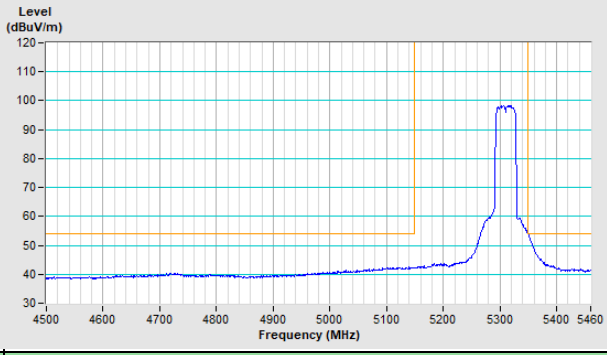


802.11n (HT40) Channel 62

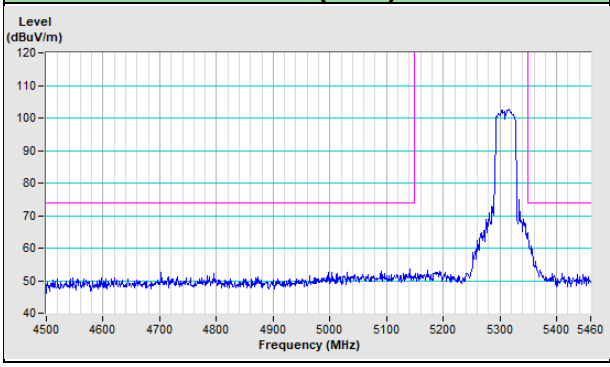
Horizontal (Peak)



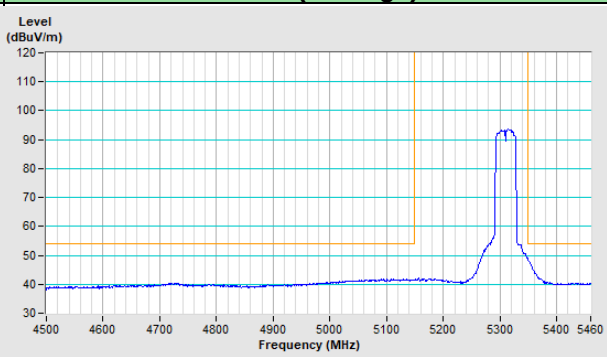
Horizontal (Average)



Vertical (Peak)

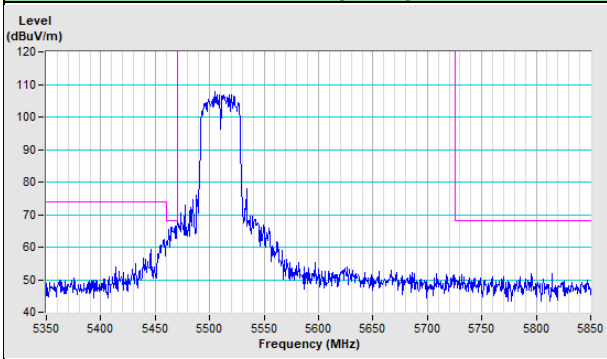


Vertical (Average)

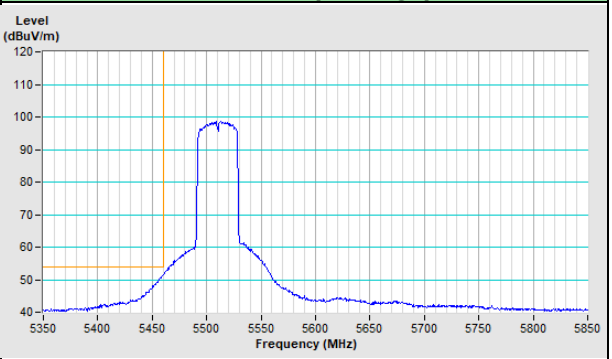


802.11n (HT40) Channel 102

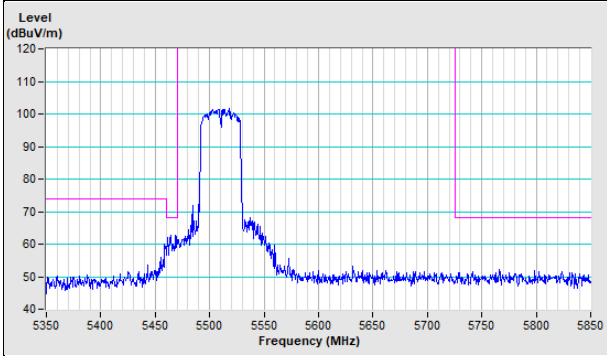
Horizontal (Peak)



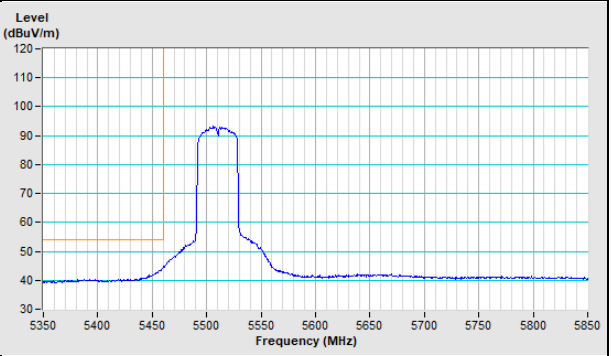
Horizontal (Average)



Vertical (Peak)

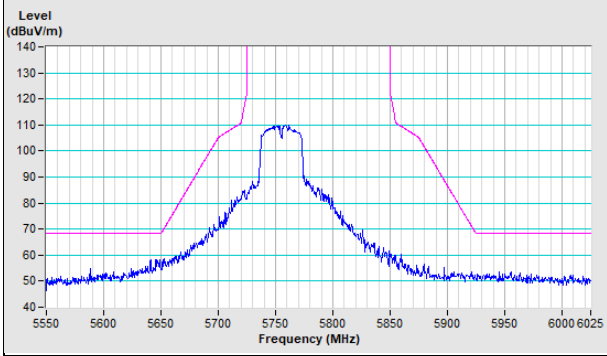


Vertical (Average)

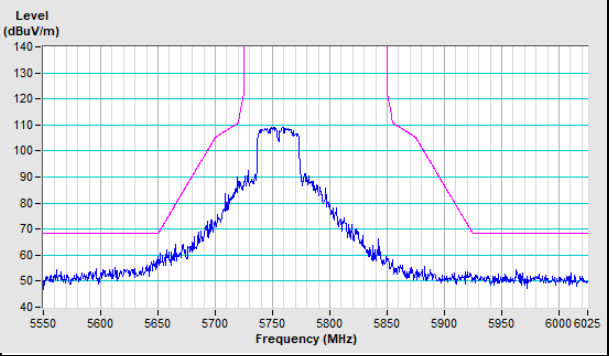


802.11n (HT40) Channel 151

Horizontal (Peak)

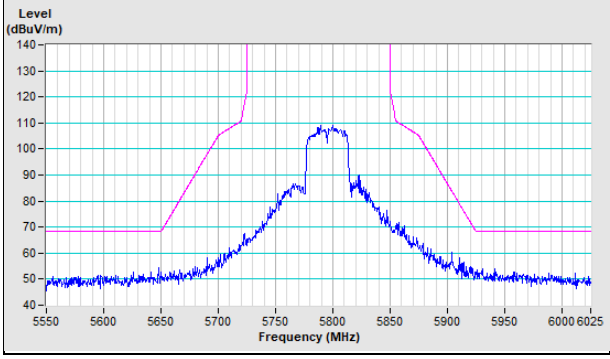


Vertical (Peak)

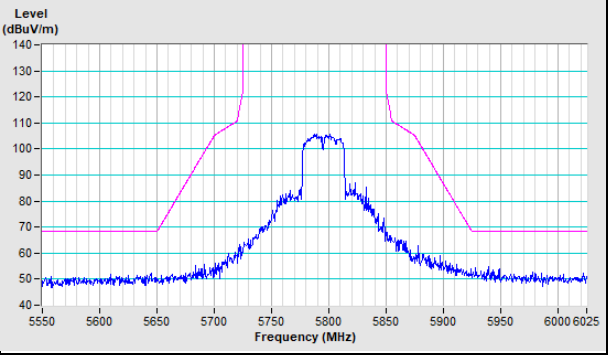


802.11n (HT40) Channel 159

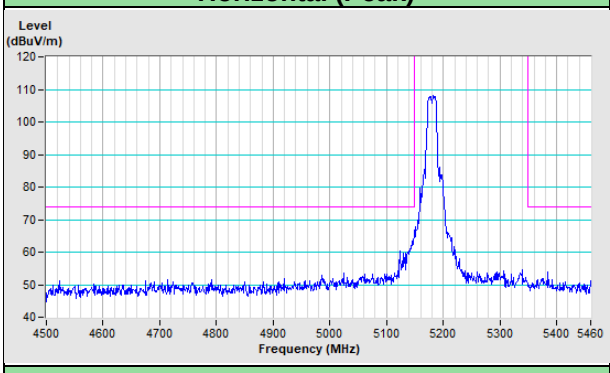
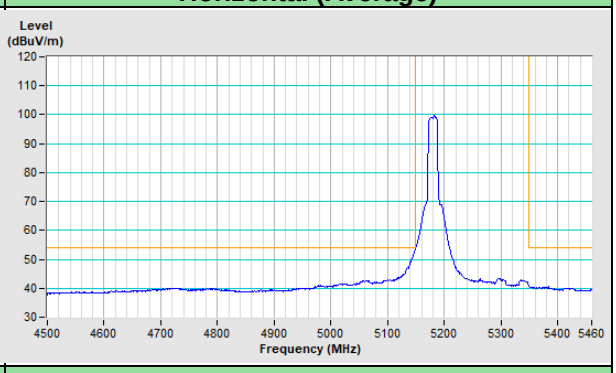
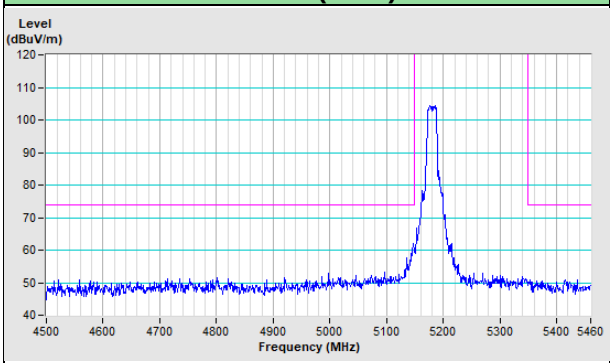
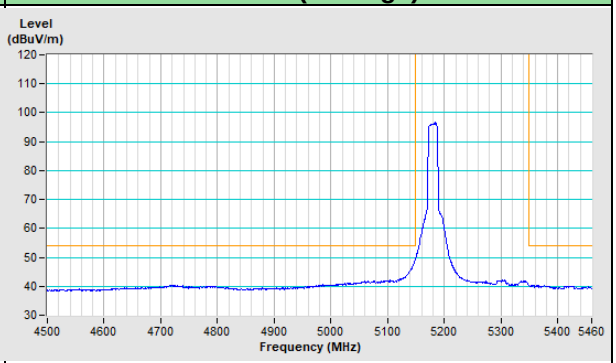
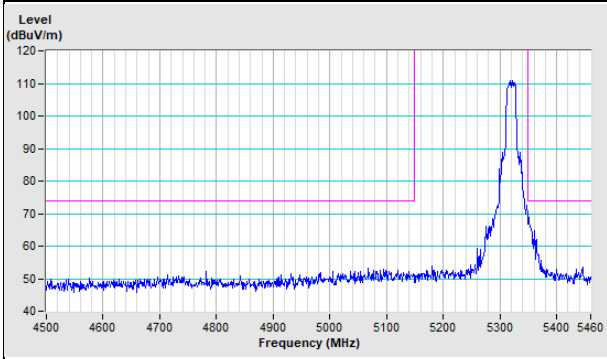
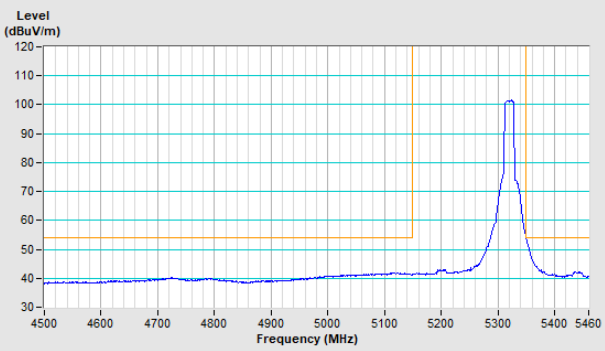
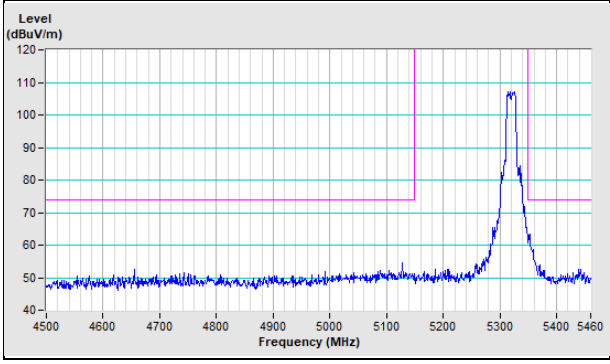
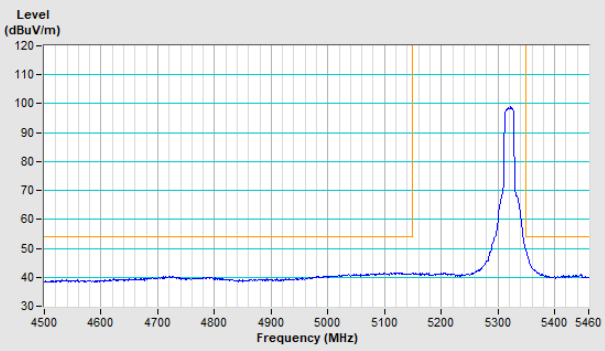
Horizontal (Peak)



Vertical (Peak)

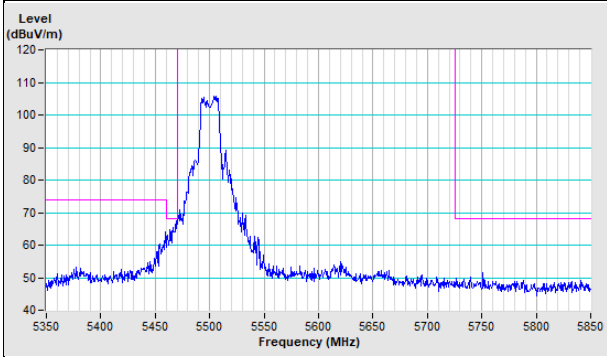


Plot of Band Edge_Mode A

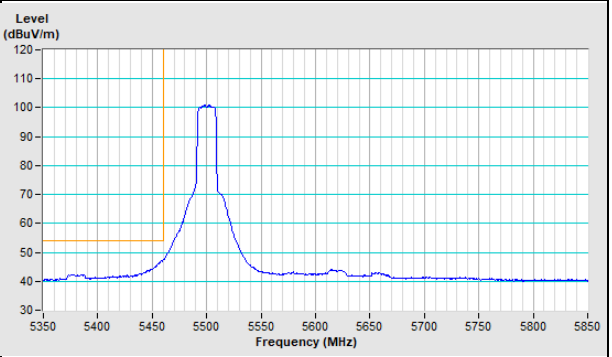
802.11a Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 64	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11a Channel 100

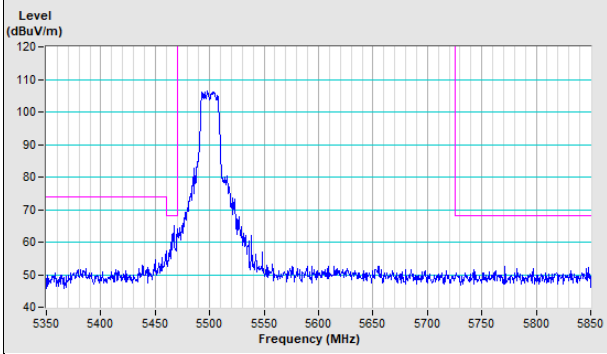
Horizontal (Peak)



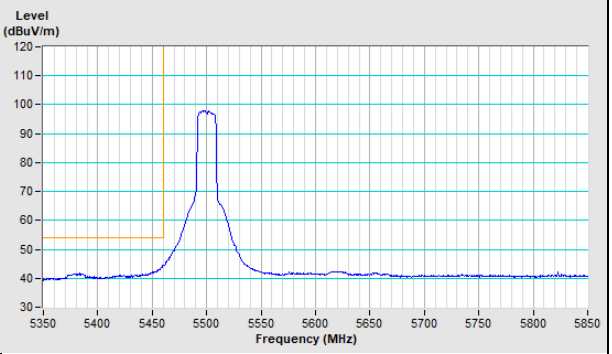
Horizontal (Average)



Vertical (Peak)

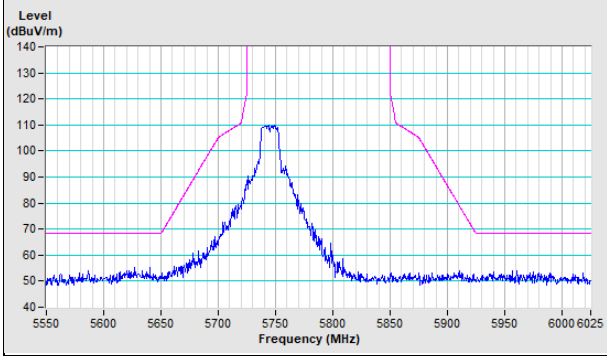


Vertical (Average)

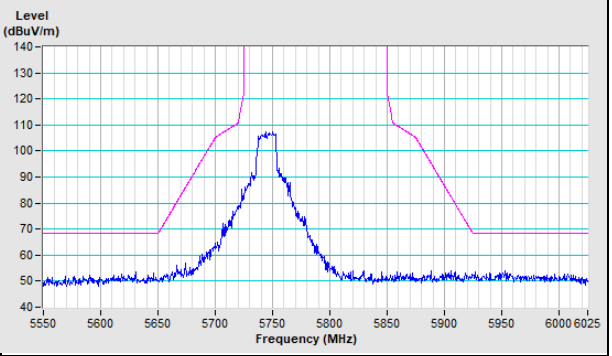


802.11a Channel 149

Horizontal (Peak)

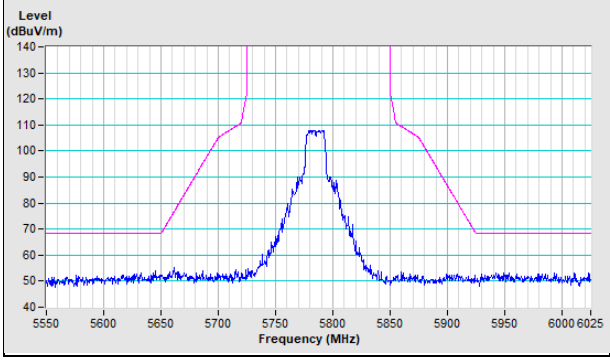


Vertical (Peak)

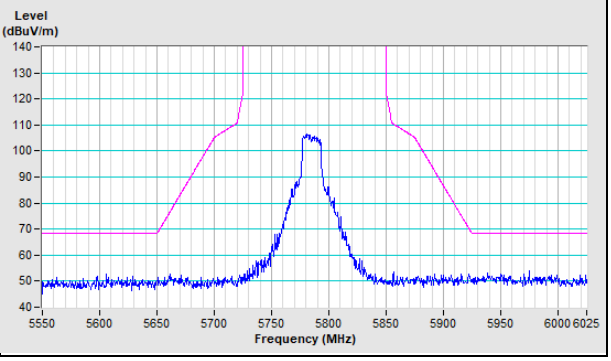


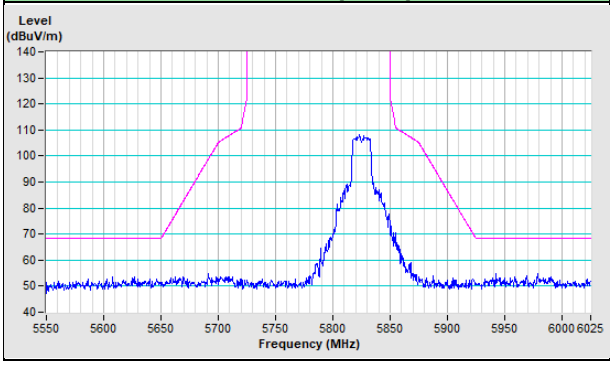
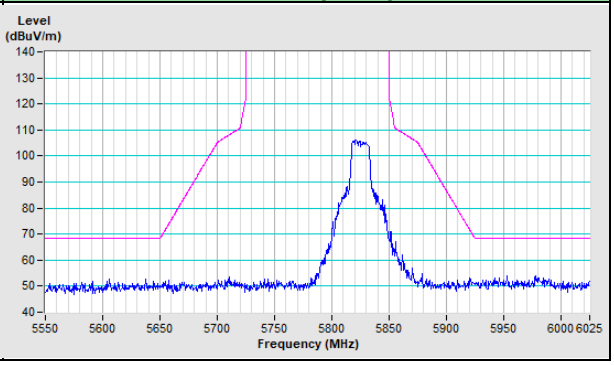
802.11a Channel 157

Horizontal (Peak)



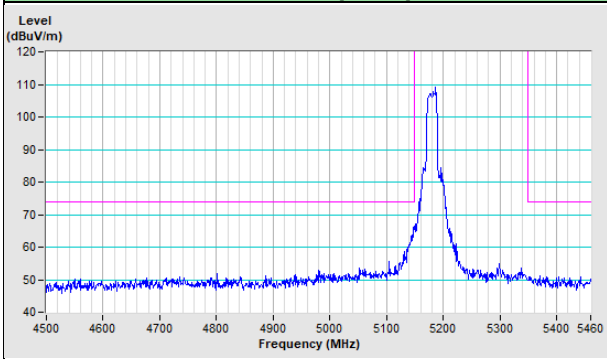
Vertical (Peak)



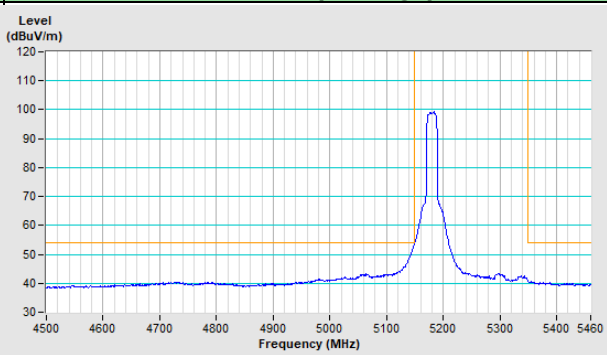
802.11a Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11n (HT20) Channel 36

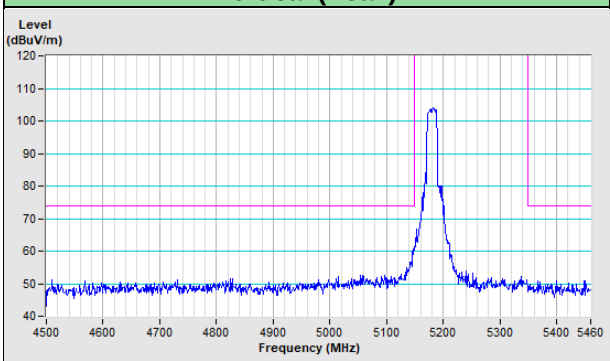
Horizontal (Peak)



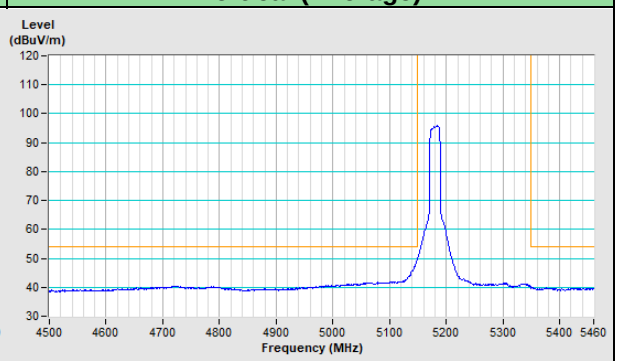
Horizontal (Average)



Vertical (Peak)

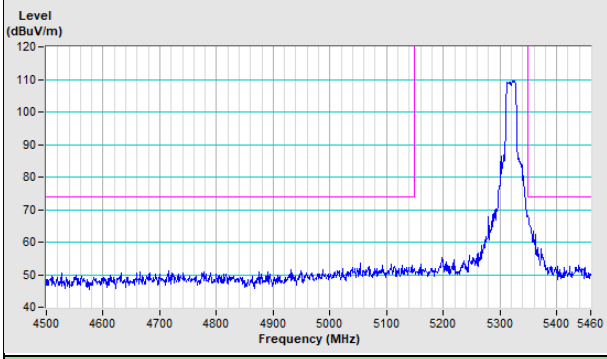


Vertical (Average)

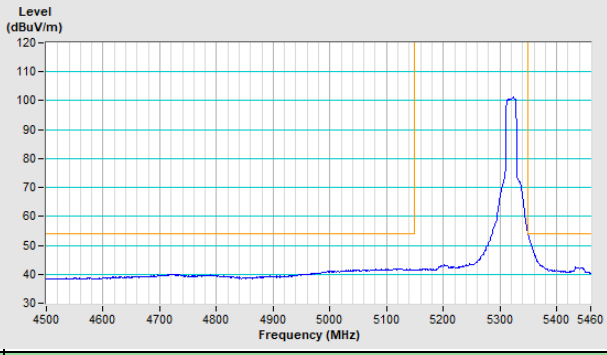


802.11n (HT20) Channel 64

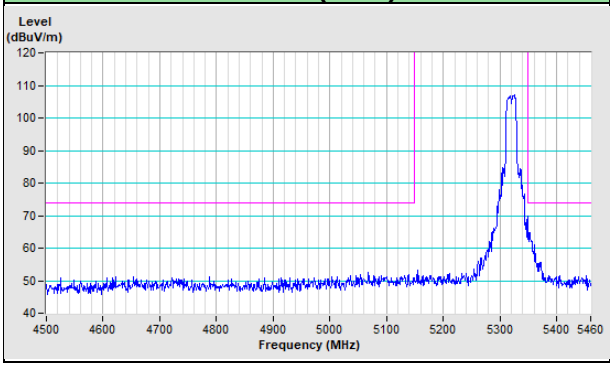
Horizontal (Peak)



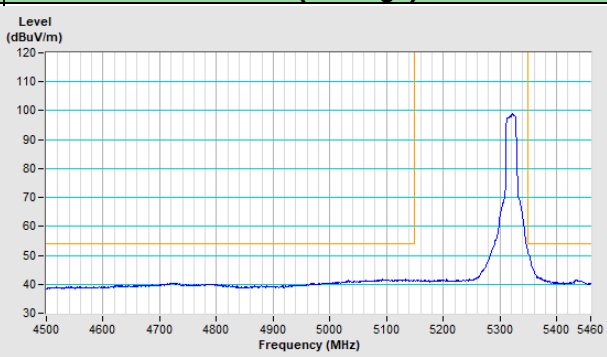
Horizontal (Average)



Vertical (Peak)

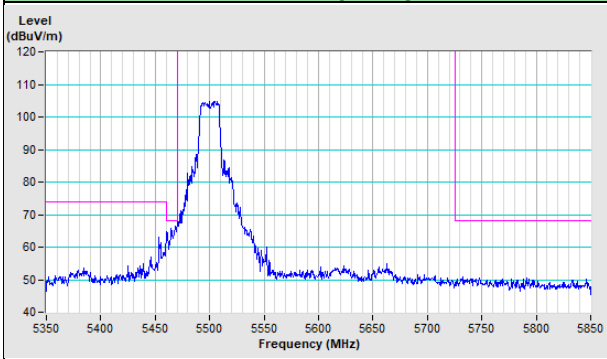


Vertical (Average)

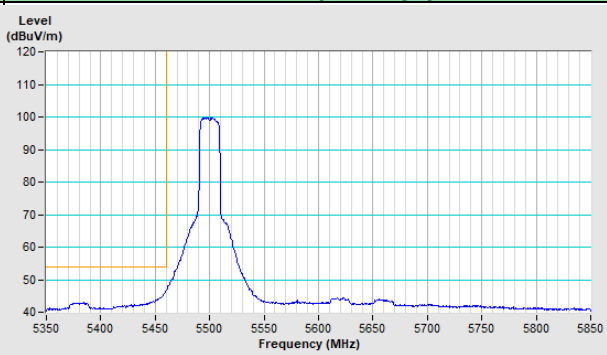


802.11n (HT20) Channel 100

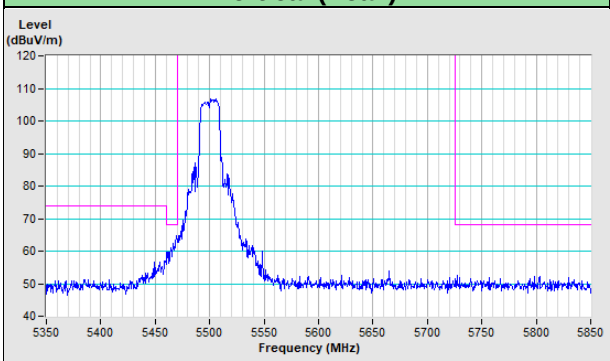
Horizontal (Peak)



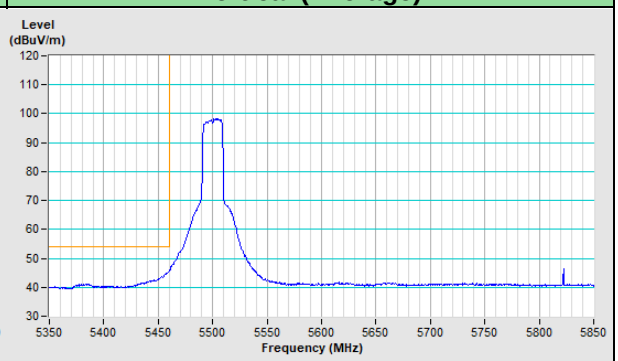
Horizontal (Average)



Vertical (Peak)

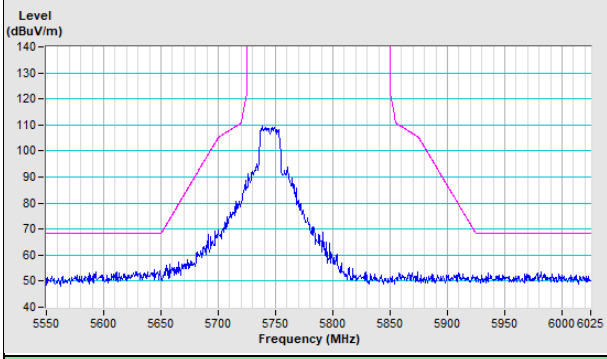


Vertical (Average)

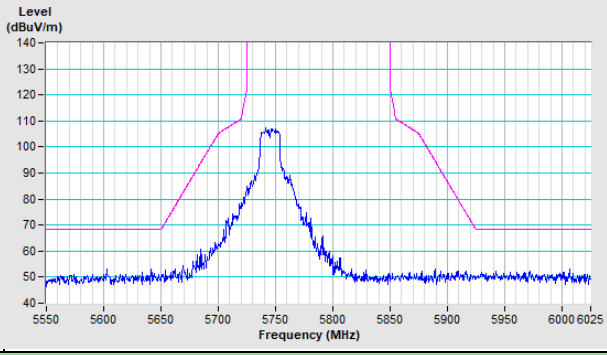


802.11n (HT20) Channel 149

Horizontal (Peak)

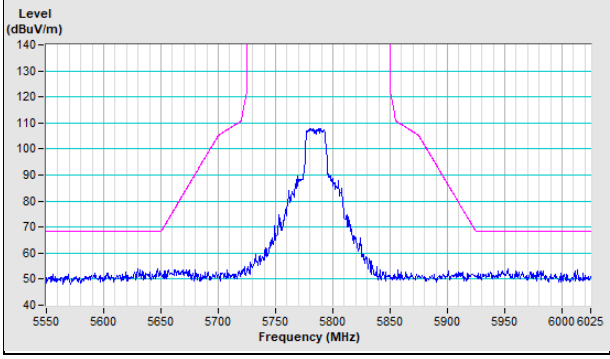


Vertical (Peak)

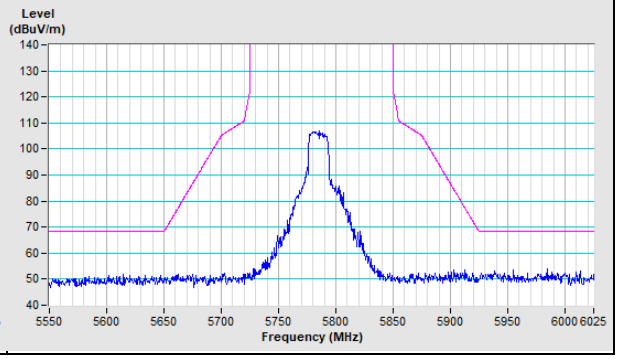


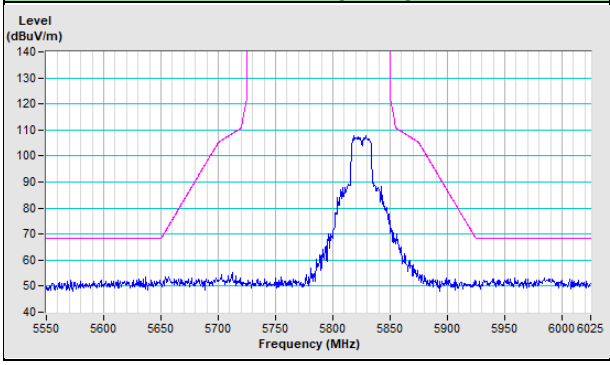
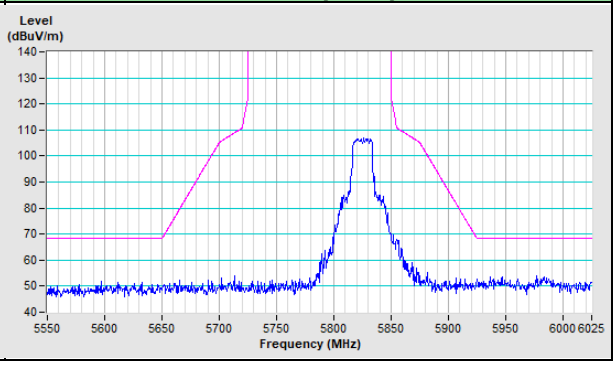
802.11n (HT20) Channel 157

Horizontal (Peak)



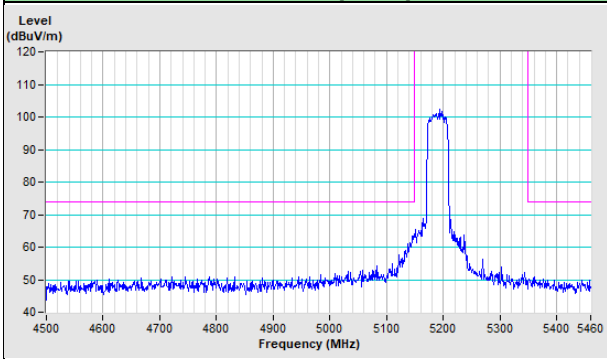
Vertical (Peak)



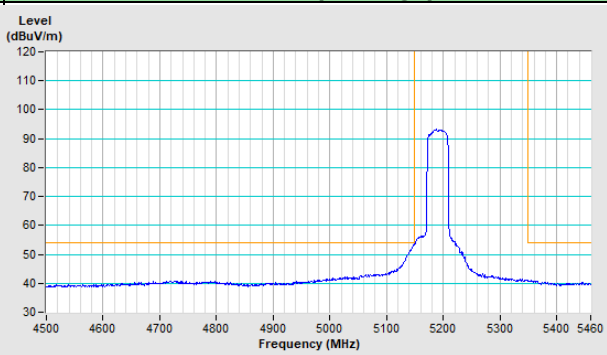
802.11n (HT20) Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11n (HT40) Channel 38

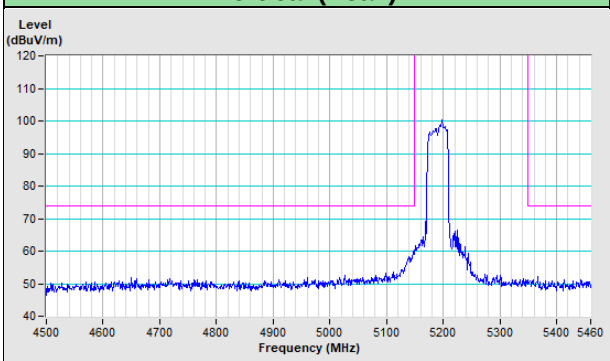
Horizontal (Peak)



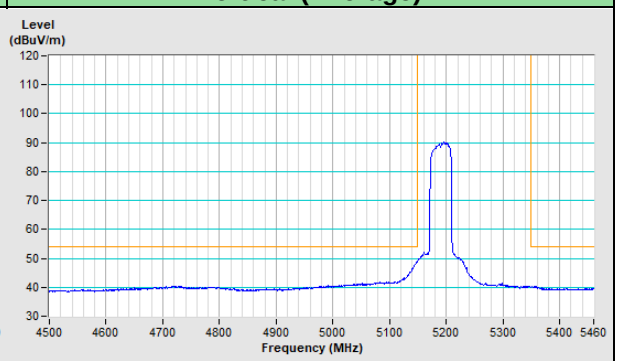
Horizontal (Average)



Vertical (Peak)

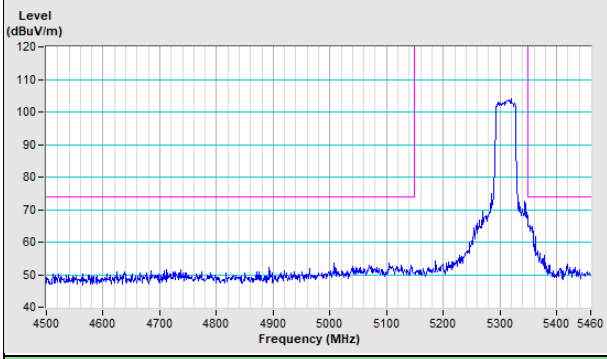


Vertical (Average)

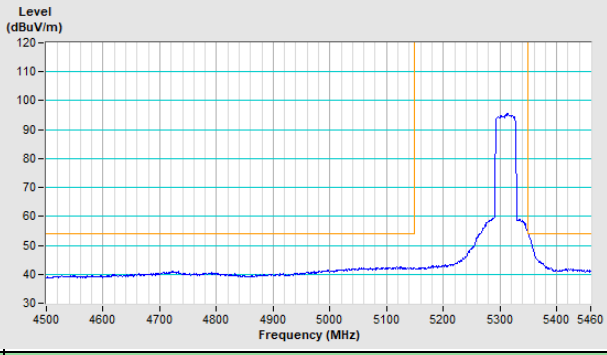


802.11n (HT40) Channel 62

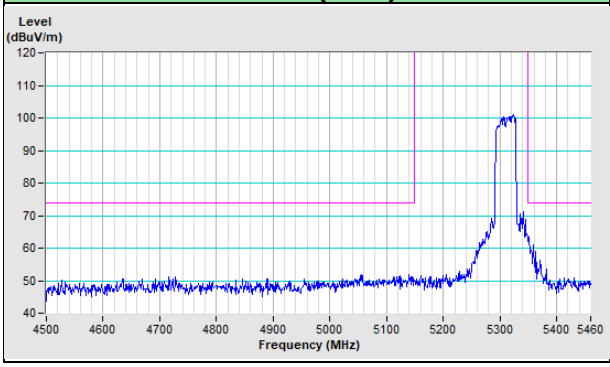
Horizontal (Peak)



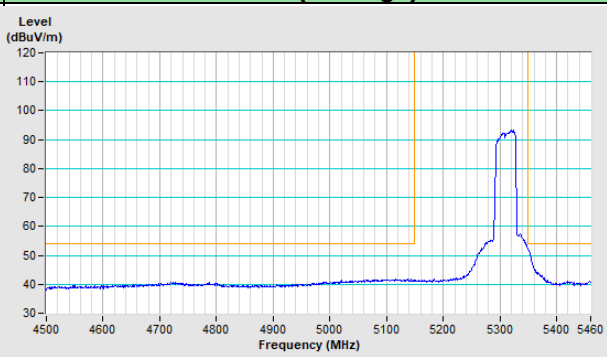
Horizontal (Average)



Vertical (Peak)

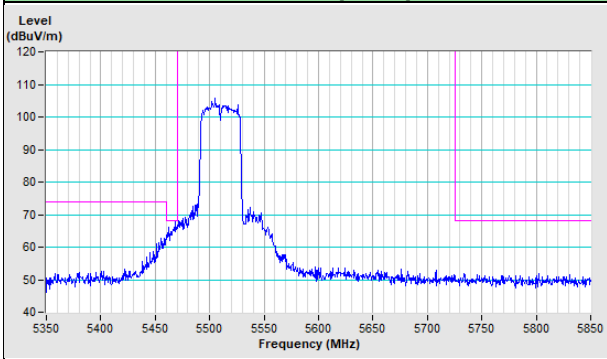


Vertical (Average)

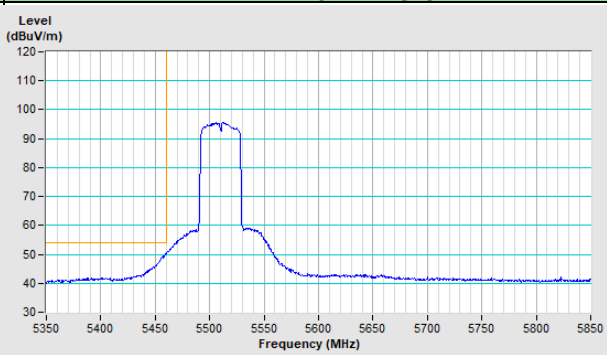


802.11n (HT40) Channel 102

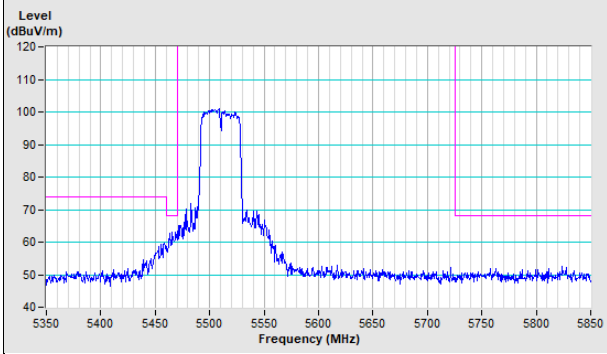
Horizontal (Peak)



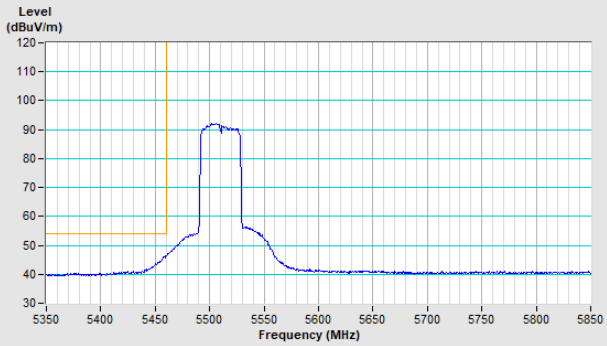
Horizontal (Average)



Vertical (Peak)

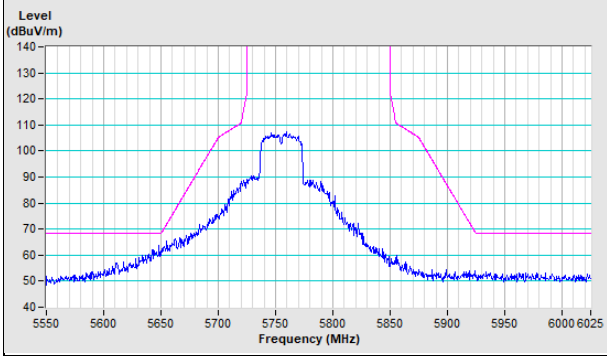


Vertical (Average)

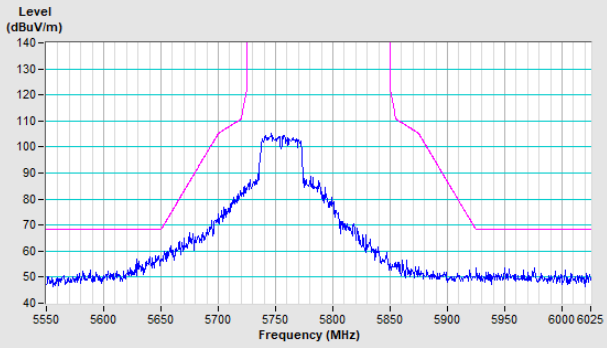


802.11n (HT40) Channel 151

Horizontal (Peak)

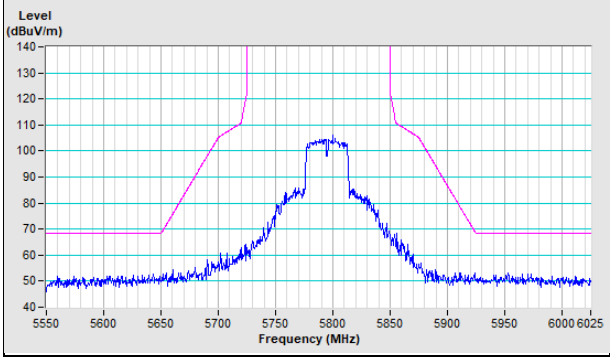


Vertical (Peak)

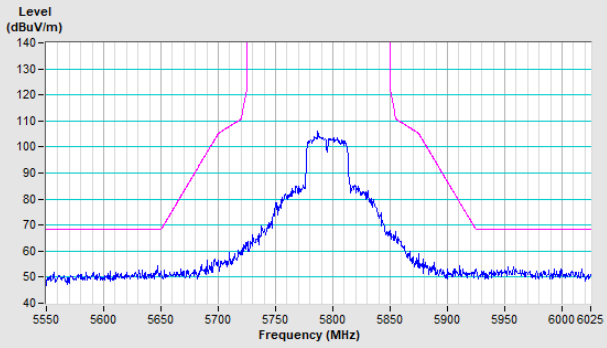


802.11n (HT40) Channel 159

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:

Lin Kou EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@bureauveritas.com
Web Site: http://ee.bureauveritas.com.tw

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

--- END ---