TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBCKS-WTW-P23020728-1
FCC ID:	NKR-LS06
Product:	Touchscreen
Brand:	ADT
Model No.:	STS5R0-01
Received Date:	2023/3/7
Test Date:	2023/3/16 ~ 2023/4/20
Issued Date:	2023/5/2
Applicant:	Wistron NeWeb Corporation
Address:	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C.
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:** **2023/5/2**

May Chen / Manager

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Prepared by : Vito Lung / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P23020728-1	Original release.	2023/5/2

1 Certificate

Product:	Touchscreen
Brand:	ADT
Test Model:	STS5R0-01
Sample Status:	Engineering sample
Applicant:	Wistron NeWeb Corporation
Test Date:	2023/3/16 ~ 2023/4/20
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -15.19 dB at 26.76172 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -9.9 dB at 719.40 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5470.00, 5725.00, 5850.00 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	Touchscreen
Brand	ADT
Test Model	STS5R0-01
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from adapter 3.8-4.35 Vdc from battery
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54 Mbps 802.11n: up to 300 Mbps 802.11ac: up to 866.7 Mbps 802.11ax: up to 1201.0 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	5.18 GHz ~ 5.24 GHz : 76.314 mW (18.83 dBm) 5.26 GHz ~ 5.32 GHz : 82.803 mW (19.18 dBm) 5.5 GHz ~ 5.72 GHz : 76.13 mW (18.82 dBm) 5.745 GHz ~ 5.825 GHz : 81.159 mW (19.09 dBm)
EUT Category	Client device

Note:

1. The EUT must be supplied with battery and following table:

Battery 1		
Brand	Model	Specification
Tenergy	34434	Power Rating : 3.8-4.35Vdc, 2100mAh 7.98Wh

2. The EUT uses following accessories.

AC Adapter 1		
Brand	Model	Specification
ADT	1A101-1215-02	AC Input : 100-120V, 500mA, 50-60Hz DC Output : 12V, 1.5A DC Output Cable : 1.5m Plug : US
AC Adapter 2		
Brand	Model	Specification
ADT	1A102-1215	AC Input : 100-120V, 500mA, 50-60Hz DC Output : 12V, 1.5A DC Output Cable : 0.5m Plug : US

3. Simultaneously transmission condition.

Condition	Technology			
1	WLAN (2.4 GHz)	WLAN (5 GHz)	Bluetooth	DECT
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.				

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain(dBi)	Frequency range	Antenna Type	Connector Type
WLAN1	ANT0	WNC	LS06	2.07	2.4~2.4835GHz	PIFA	ipex(MHF)
				3.62	5.15~5.25GHz		
				3.62	5.25~5.35GHz		
				3.41	5.47~5.725GHz		
				3.41	5.725~5.85GHz		
WLAN2/BT	ANT1	WNC	LS06	2.07	2.4~2.4835GHz	PIFA	ipex(MHF)
				3.95	5.15~5.25GHz		
				3.95	5.25~5.35GHz		
				3.42	5.47~5.725GHz		
				3.42	5.725~5.85GHz		

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

2. The EUT incorporates a MIMO function:

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

Note:

1. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz), therefore the manufacturer will control the power for 802.11n/ac mode is the same as the 802.11ax or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The Power Source have the following models: Adapter (1A101-1215-02) / Adapter (1A101-1215-02)/Battery (34434). Pre-scan these models of AC Adapters and find the worst case as a representative test condition. 2. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. Power Source Worst Condition: Adapter (1A101-1215-02) 2. X-axis/ Y-axis/ Z-axis Worst Condition: For Unwanted Emissions Above 1GHz : X-axis, For Unwanted Emissions below 1GHz : X-axis

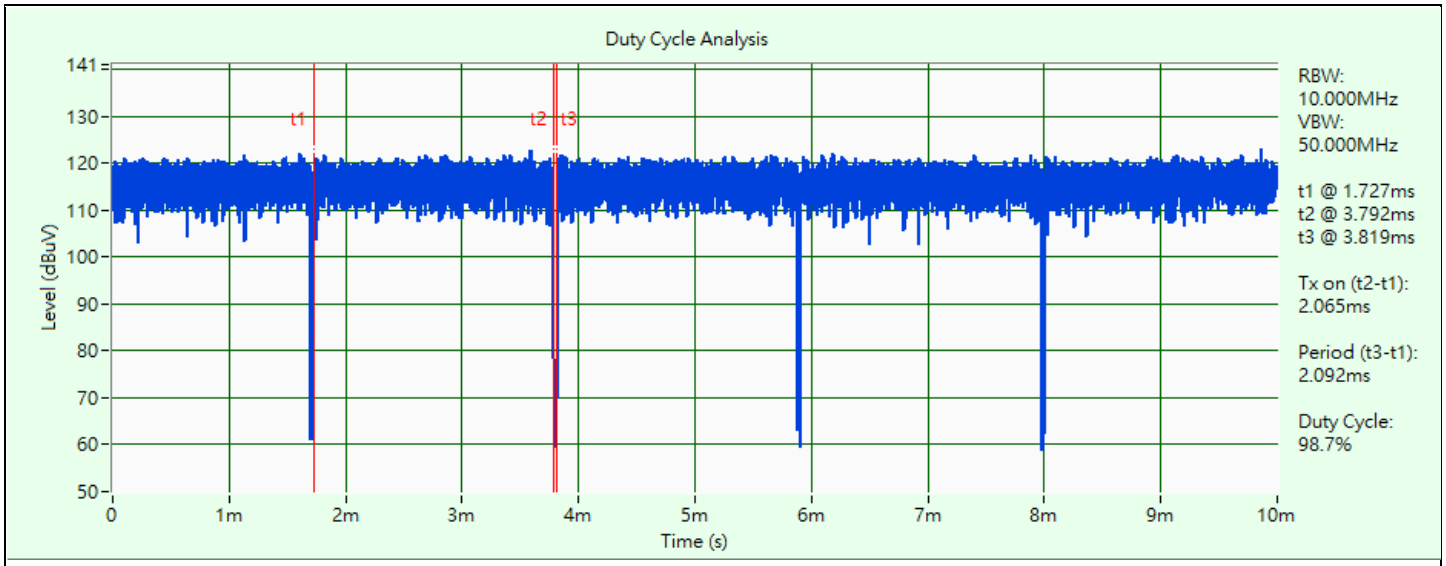
Following channel(s) was (were) selected for the final test as listed below:

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

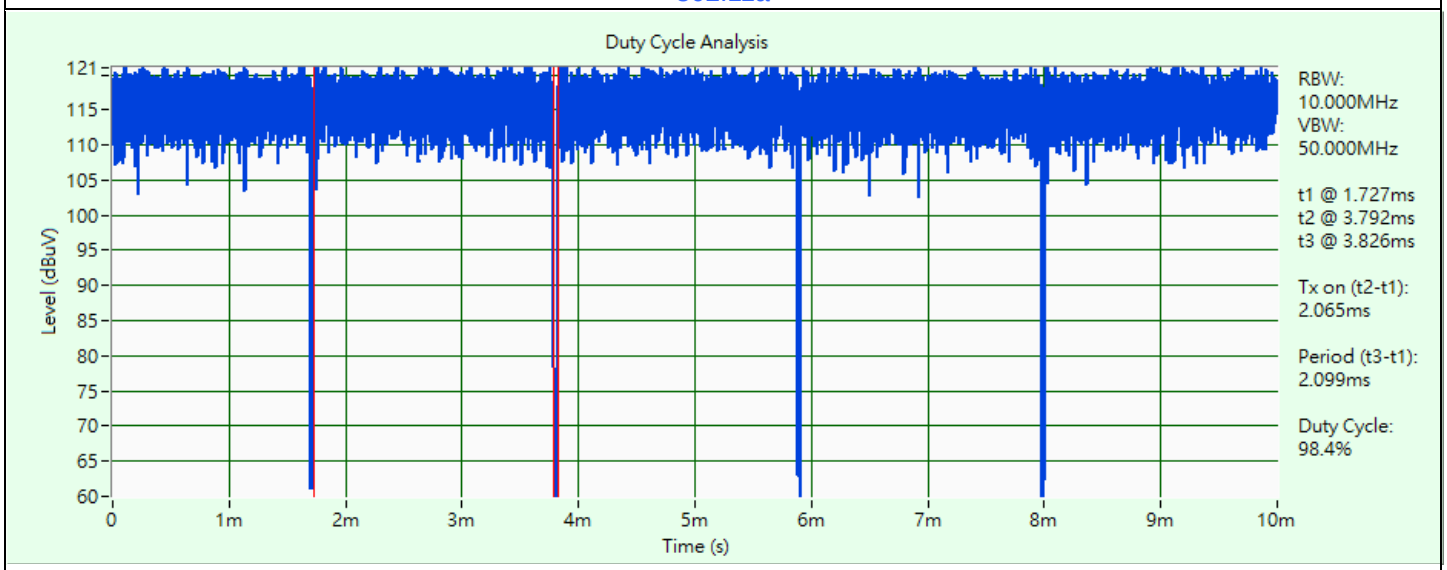
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
Note: Partial RU (resource unit) reduction mechanisms are not supported.				

3.5 Duty Cycle of Test Signal

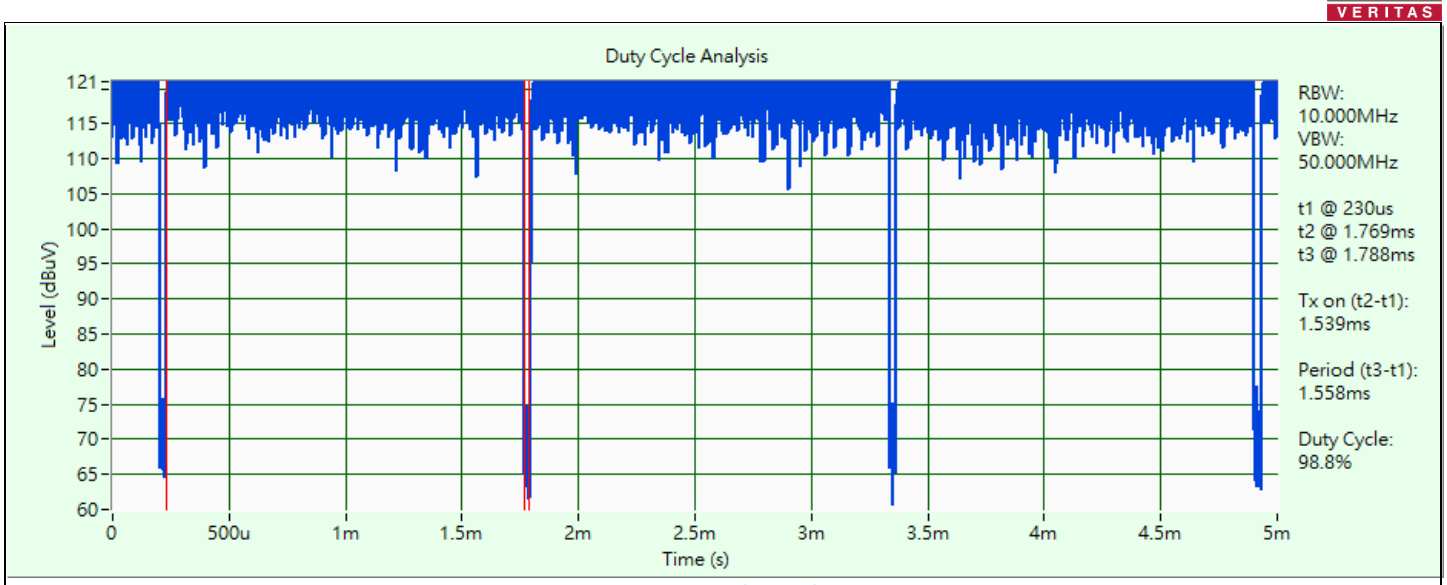
802.11a: Duty cycle = 2.065 ms / 2.092 ms x 100% = 98.7%
802.11ax (HE20): Duty cycle = 2.065 ms / 2.099 ms x 100% = 98.4%
802.11ax (HE40): Duty cycle = 1.539 ms / 1.558 ms x 100% = 98.8%
802.11ax (HE80): Duty cycle = 1.511 ms / 1.539 ms x 100% = 98.2%



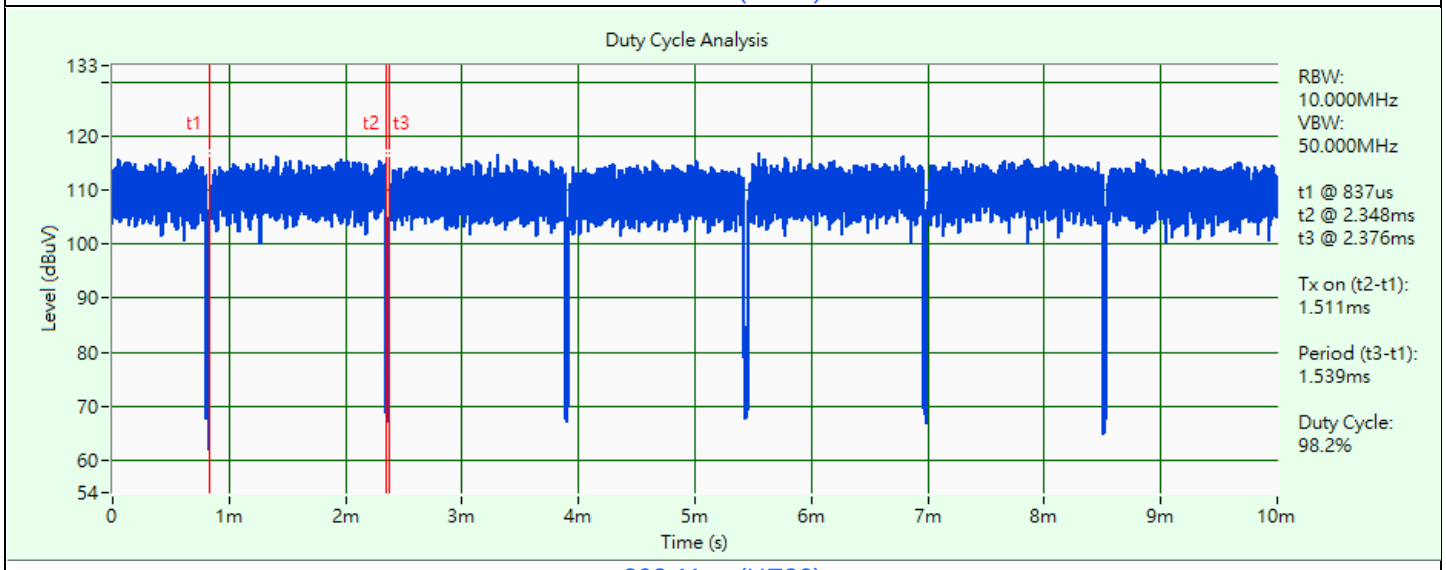
802.11a



802.11ax (HE20)



802.11ax (HE40)

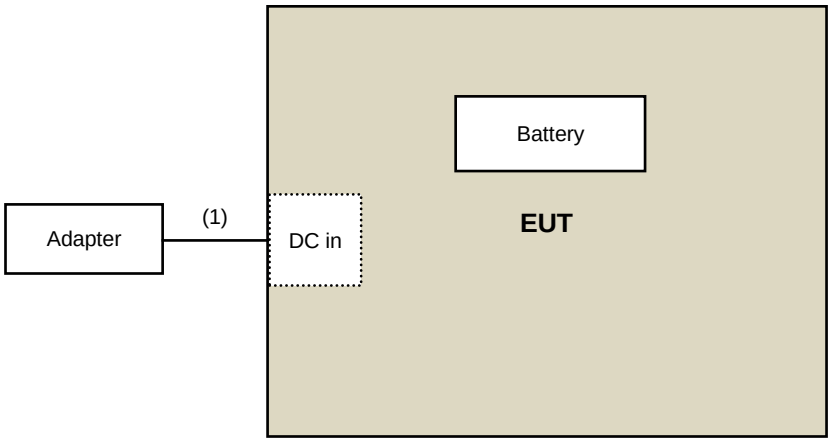


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software (adb paste LS06 WIFI.txt command) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.5	No	0	Supplied by applicant

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/4/12

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/4/12

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Source GOOD WILL	6905S	1991551	N/A	N/A
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2023/3/27	2024/3/26
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/12/26	2023/12/25
True RMS Clamp Meter Fluke	325	31130711WS	2022/6/9	2023/6/8

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/4/12

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: 2023/4/20

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	2022/12/28	2023/12/27
LOOP ANTENNA Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
Pre_Amplifier EMCI	EMC001340	980142	2022/6/2	2023/6/1
Pre_Amplifier(20M-3G) EMCI	EMC330N	980852	2023/2/20	2024/2/19
RF Coaxial Cable COMMATE/PEWC	8D	966-6-1	2023/4/6	2024/4/5
		966-6-2	2023/4/6	2024/4/5
		966-6-3	2023/4/6	2024/4/5
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer Keysight	N9020B	MY60112410	2023/3/6	2024/3/5
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: 2023/4/19

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	2022/12/28	2023/12/27
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	2022/12/28	2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2023/2/20	2024/2/19
	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	2023/3/6	2024/3/5
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: 2023/3/16 ~ 2023/4/18

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

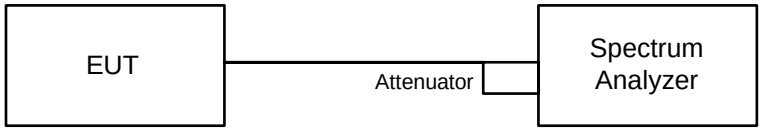
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

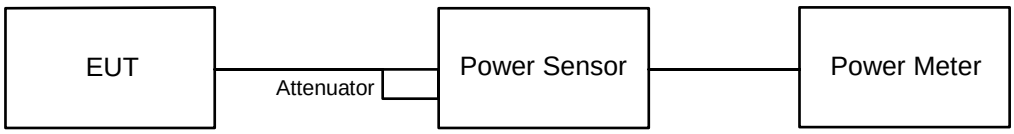


6.1.2 Test Procedure

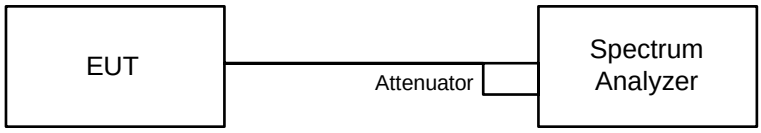
a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

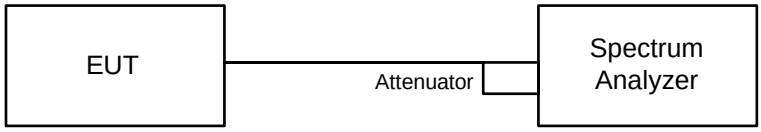
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

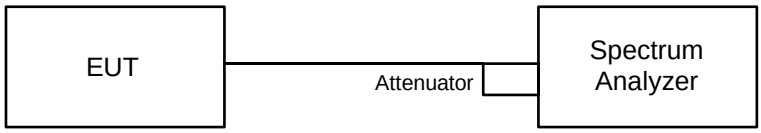
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger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

For specified measurement bandwidth 500 kHz:
Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

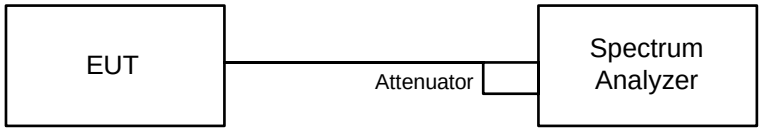


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

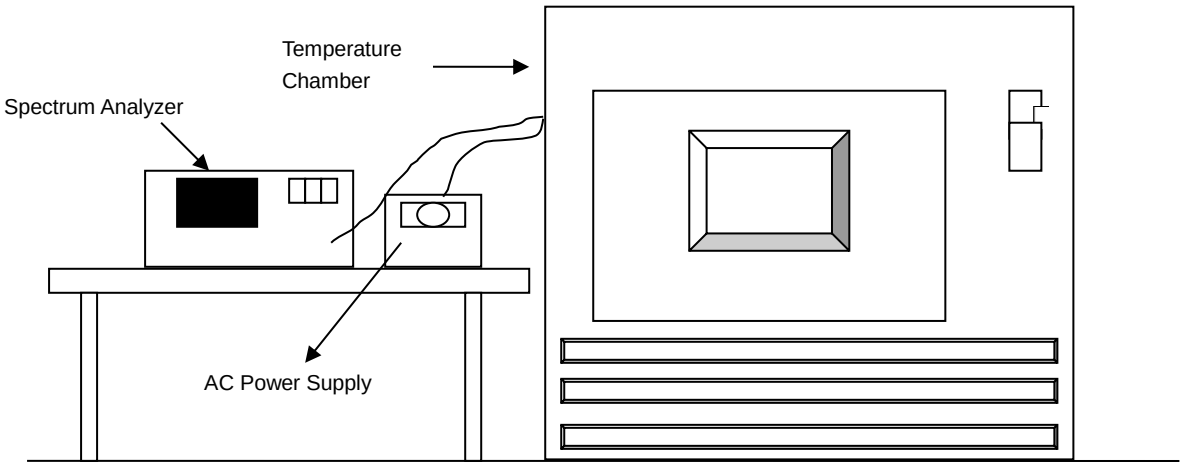


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

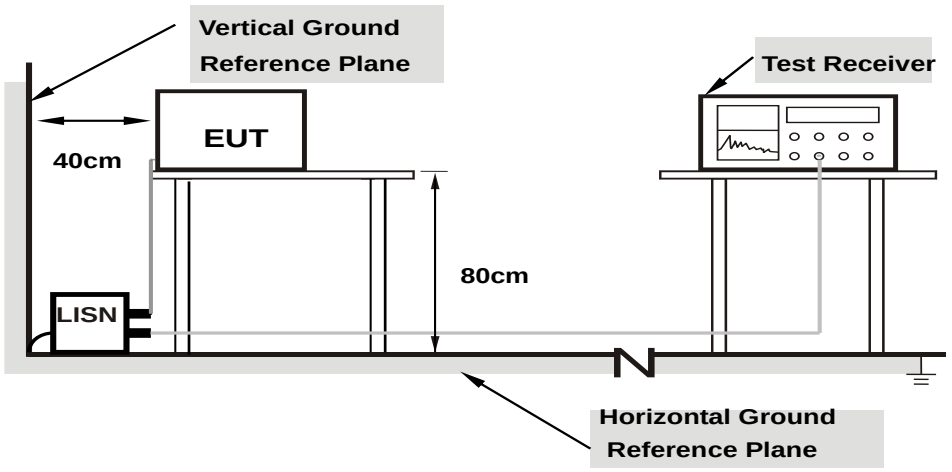


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

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

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

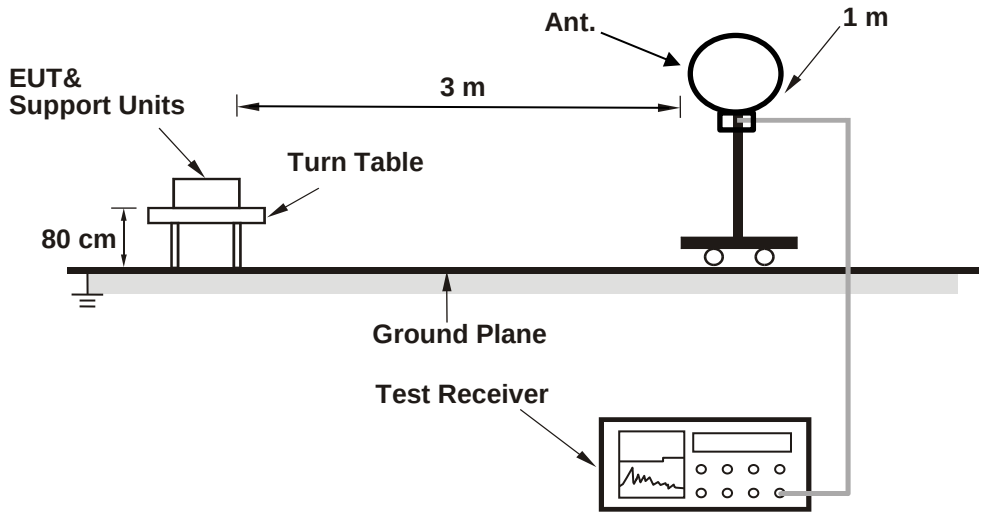
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

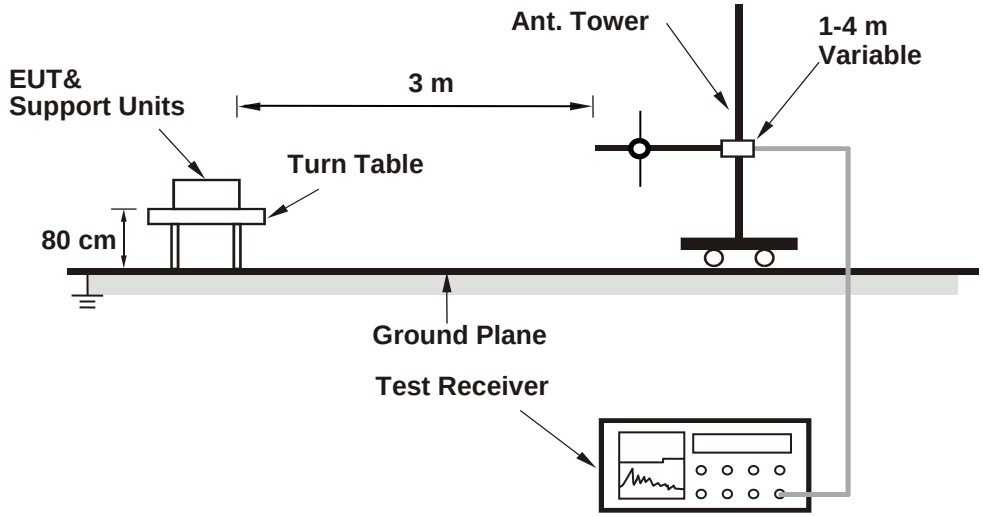
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

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

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

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

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

Notes:

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

For Radiated emission above 30 MHz

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

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

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

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

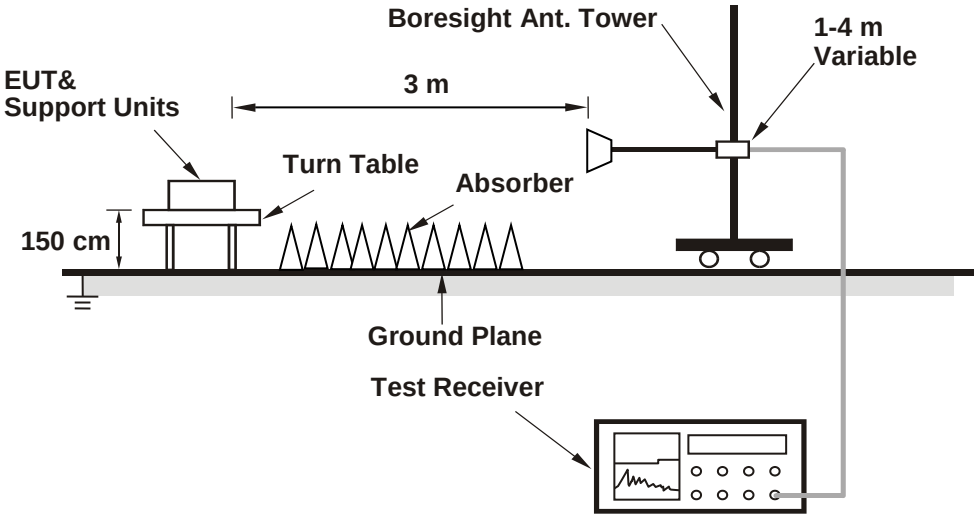
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

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

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

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

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	27.17	21.60
60	5300	27.39	22.05
64	5320	21.40	21.35
100	5500	21.47	21.26
116	5580	21.50	21.51
140	5700	21.45	21.17
144 (U-NII-2C)	5720	15.74	15.67
144 (U-NII-3)	5720	5.77	5.95

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.60	24.34	>	24
60	5300	22.05	24.43	>	24
64	5320	21.35	24.29	>	24
100	5500	21.26	24.27	>	24
116	5580	21.50	24.32	>	24
140	5700	21.17	24.25	>	24
144 (U-NII-2C)	5720	15.67	22.95	<	24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	26.28	22.24
60	5300	25.82	24.54
64	5320	21.67	21.70
100	5500	21.36	22.23
116	5580	23.25	25.38
140	5700	21.58	21.68
144 (U-NII-2C)	5720	15.85	15.85
144 (U-NII-3)	5720	5.81	5.64

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	22.24	24.47	>	24
60	5300	24.54	24.89	>	24
64	5320	21.67	24.35	>	24
100	5500	21.36	24.29	>	24
116	5580	23.25	24.66	>	24
140	5700	21.58	24.34	>	24
144 (U-NII-2C)	5720	15.85	23	<	24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	49.98	78.12
62	5310	41.52	56.52
102	5510	41.27	41.32
110	5550	55.98	57.77
134	5670	45.13	53.57
142 (U-NII-2C)	5710	35.84	35.86
142 (U-NII-3)	5710	17.80	18.36

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	49.98	27.98	>	24
62	5310	41.52	27.18	>	24
102	5510	41.27	27.15	>	24
110	5550	55.98	28.48	>	24
134	5670	45.13	27.54	>	24
142 (U-NII-2C)	5710	35.84	26.54	>	24

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

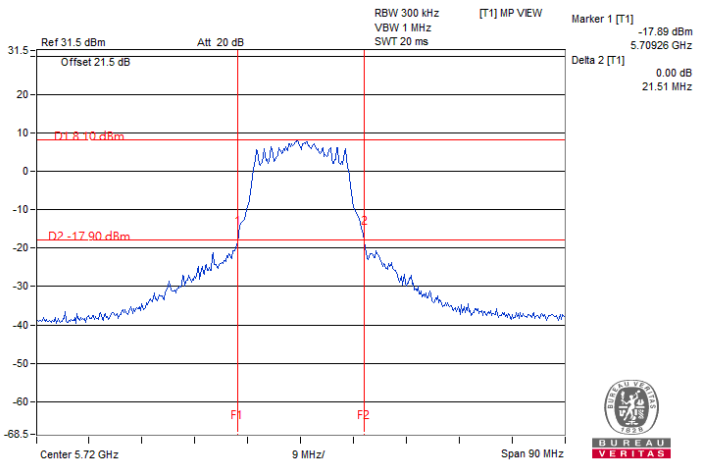
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.92	82.56
106	5530	83.03	82.79
122	5610	141.76	95.73
138 (U-NII-2C)	5690	91.03	90.91
138 (U-NII-3)	5690	18.27	18.00

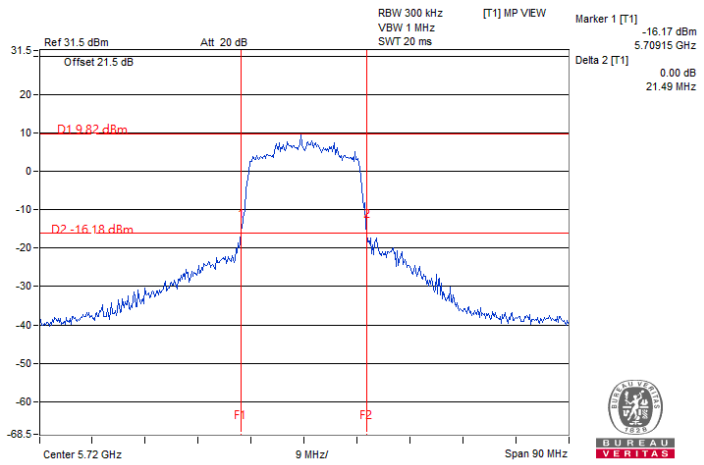
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.56	30.16	>	24
106	5530	82.79	30.17	>	24
122	5610	95.73	30.81	>	24
138 (U-NII-2C)	5690	90.91	30.58	>	24

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

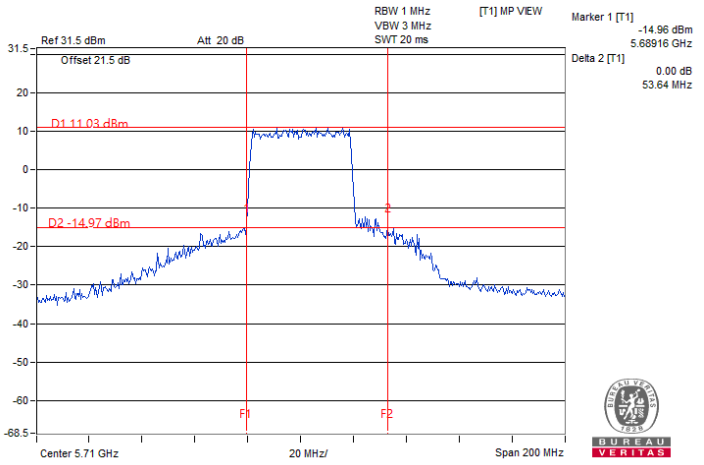
Spectrum Plot of Minimum Value



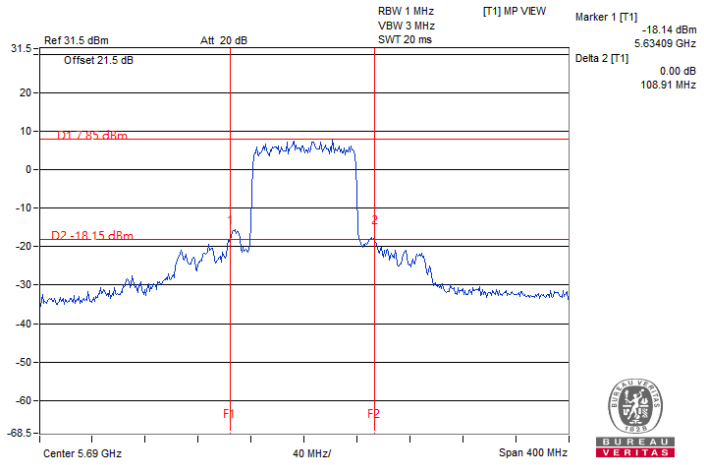
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

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

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.32	14.29	53.893	17.32	24	Pass
40	5200	15.67	15.47	72.135	18.58	24	Pass
48	5240	16.08	15.38	75.065	18.75	24	Pass
52	5260	16.16	16.11	82.137	19.15	24	Pass
60	5300	15.39	15.84	72.965	18.63	24	Pass
64	5320	14.75	15.07	61.99	17.92	24	Pass
100	5500	14.72	14.69	59.093	17.72	24	Pass
116	5580	15.67	15.17	69.783	18.44	24	Pass
140	5700	13.95	14.45	52.693	17.22	24	Pass
*144 (U-NII-2C)	5720	10.77	10.16	22.315	13.49	22.95	Pass
*144 (U-NII-3)	5720	1.97	1.35	2.939	4.68	30	Pass
149	5745	15.47	15.27	68.888	18.38	30	Pass
157	5785	15.48	15.24	68.738	18.37	30	Pass
165	5825	15.38	15.23	67.857	18.32	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.72	12.89	38.16	15.82	24	Pass
40	5200	15.59	15.53	71.952	18.57	24	Pass
48	5240	15.88	15.45	73.801	18.68	24	Pass
52	5260	15.85	15.75	76.043	18.81	24	Pass
60	5300	15.87	15.73	76.048	18.81	24	Pass
64	5320	14.04	14.12	51.174	17.09	24	Pass
100	5500	14.75	14.76	59.776	17.77	24	Pass
116	5580	15.49	15.36	69.756	18.44	24	Pass
140	5700	13.53	13.61	45.504	16.58	24	Pass
*144 (U-NII-2C)	5720	9.42	9.01	16.711	12.23	23	Pass
*144 (U-NII-3)	5720	2.73	2.25	3.554	5.51	30	Pass
149	5745	15.69	15.26	70.642	18.49	30	Pass
157	5785	15.51	15.48	70.881	18.51	30	Pass
165	5825	15.38	15.30	68.399	18.35	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	10.12	10.43	21.321	13.29	24	Pass
46	5230	15.43	16.17	76.314	18.83	24	Pass
54	5270	16.21	16.13	82.803	19.18	24	Pass
62	5310	10.95	16.03	52.532	17.20	24	Pass
102	5510	11.02	10.56	24.024	13.81	24	Pass
110	5550	15.85	15.76	76.13	18.82	24	Pass
134	5670	14.45	14.67	57.17	17.57	24	Pass
*142 (U-NII-2C)	5710	7.70	6.95	10.843	10.35	24	Pass
*142 (U-NII-3)	5710	-1.59	-2.48	1.2584	1.00	30	Pass
151	5755	16.34	15.81	81.159	19.09	30	Pass
159	5795	16.21	15.75	79.367	19.00	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.

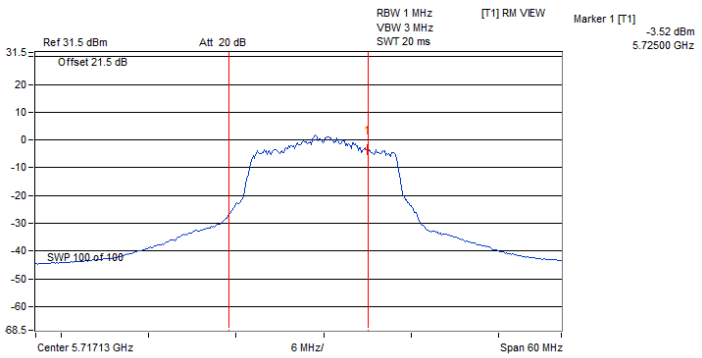
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	10.32	10.35	21.604	13.35	24	Pass
58	5290	11.47	11.14	27.03	14.32	24	Pass
106	5530	11.01	10.35	23.458	13.70	24	Pass
122	5610	15.71	15.45	72.314	18.59	24	Pass
*138 (U-NII-2C)	5690	3.45	3.81	4.617	6.64	24	Pass
*138 (U-NII-3)	5690	-9.38	-9.05	0.2398	-6.20	30	Pass
155	5775	15.17	15.25	66.382	18.22	30	Pass

Notes:

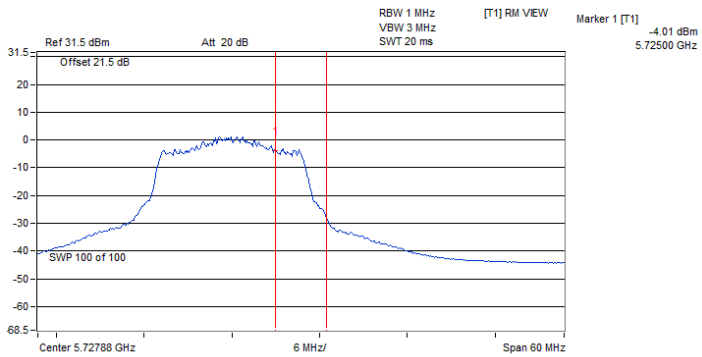
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.95 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.42 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



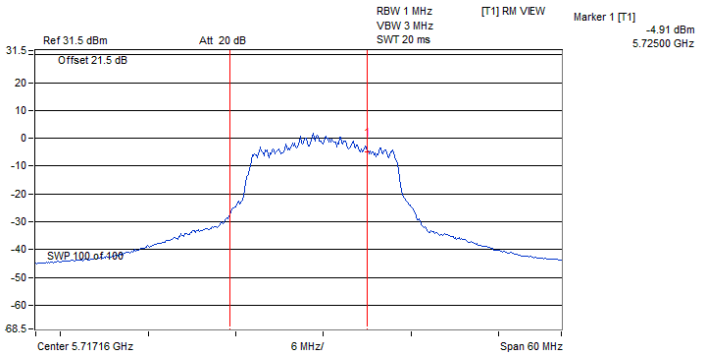
TX Channel Bandwidth 15.74 MHz Power 10.77 dBm

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



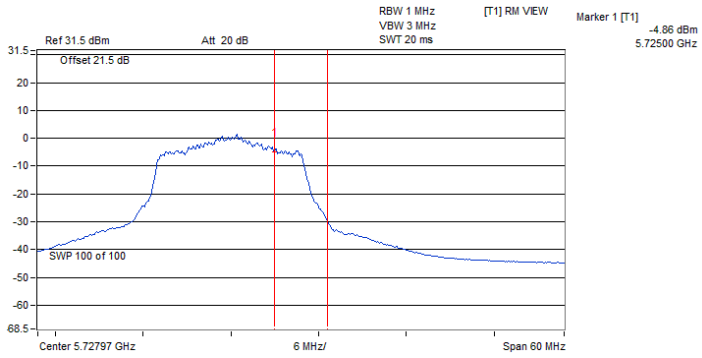
TX Channel Bandwidth 5.77 MHz Power 1.97 dBm

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



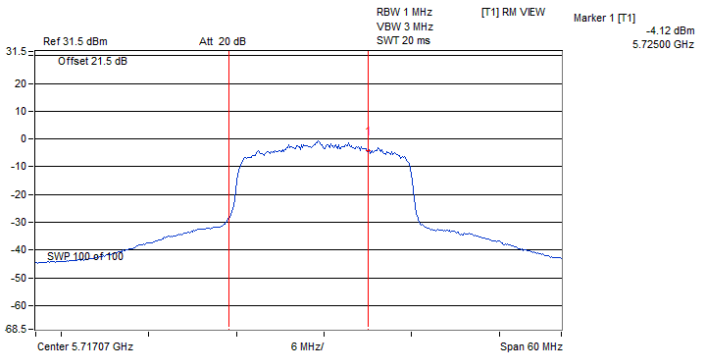
TX Channel Bandwidth 15.67 MHz Power 10.16 dBm

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



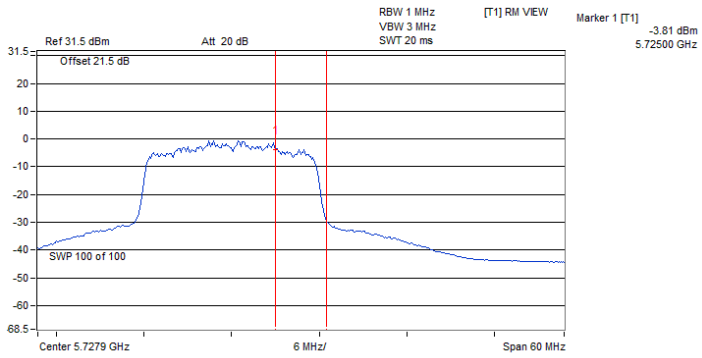
TX Channel Bandwidth 5.95 MHz Power 1.35 dBm

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



TX Channel Bandwidth 15.85 MHz Power 9.42 dBm

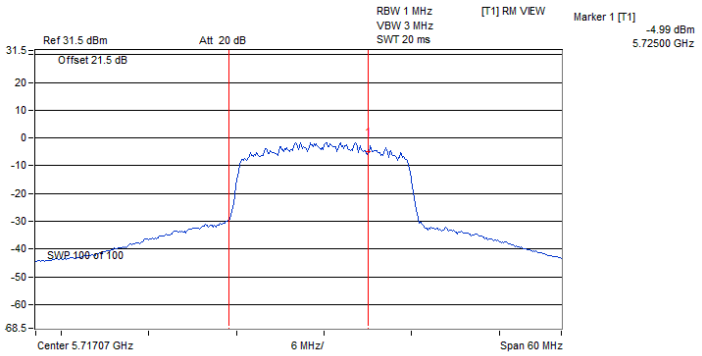
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)



TX Channel Bandwidth 5.81 MHz Power 2.73 dBm

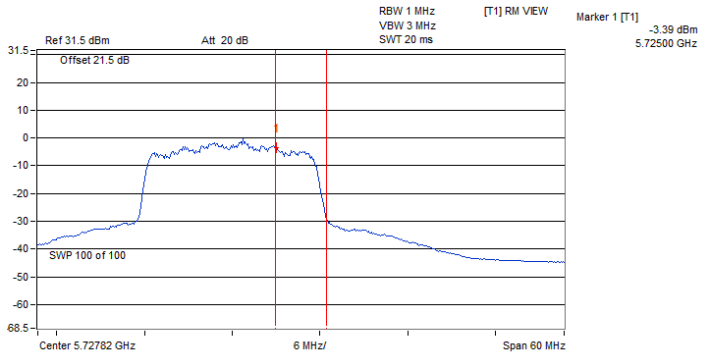
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



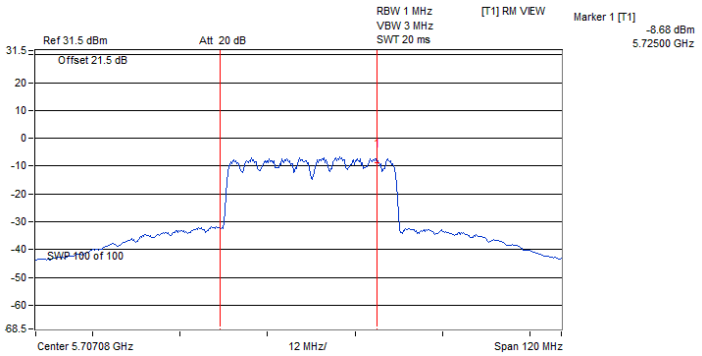
TX Channel Bandwidth 15.85 MHz Power 9.01 dBm

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



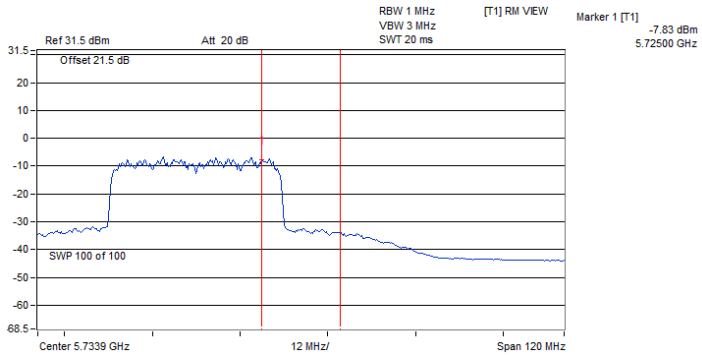
TX Channel Bandwidth 5.64 MHz Power 2.25 dBm

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



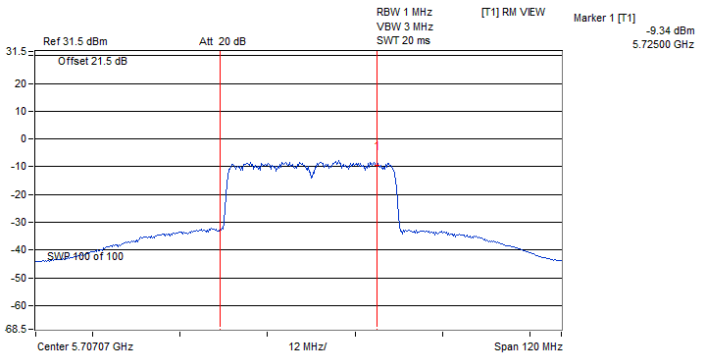
TX Channel Bandwidth 35.84 MHz Power 7.7 dBm

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



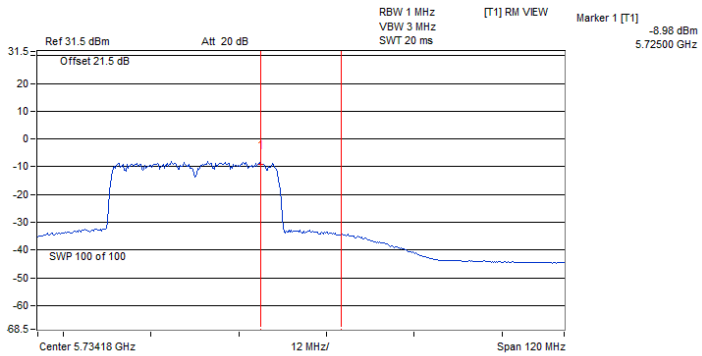
TX Channel Bandwidth 17.8 MHz Power -1.59 dBm

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



TX Channel Bandwidth 35.86 MHz Power 6.95 dBm

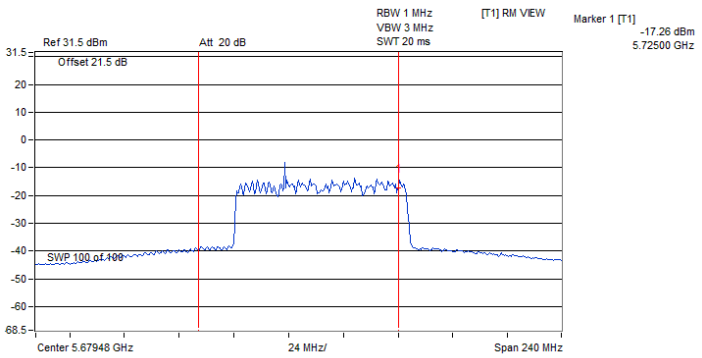
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)



TX Channel Bandwidth 18.36 MHz Power -2.48 dBm

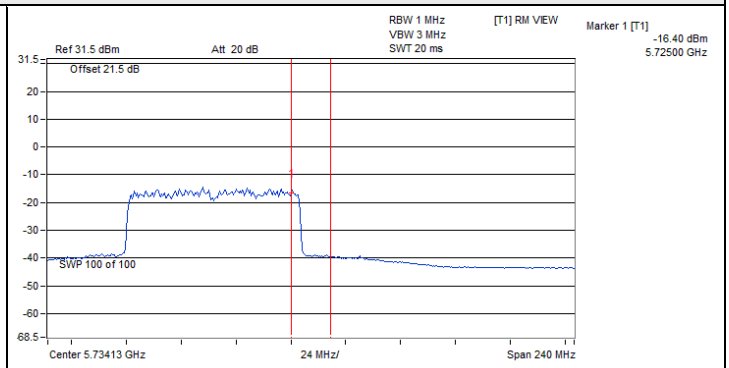
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



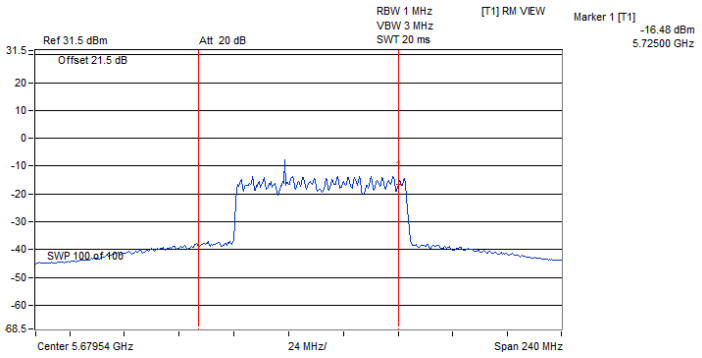
TX Channel Bandwidth 91.03 MHz Power 3.45 dBm

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



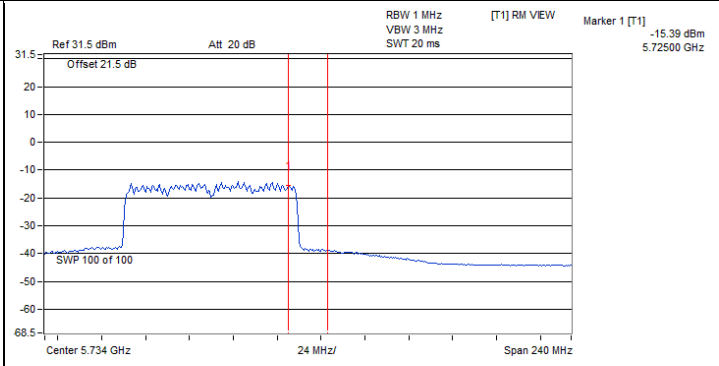
TX Channel Bandwidth 18.27 MHz Power -9.38 dBm

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



TX Channel Bandwidth 90.91 MHz Power 3.81 dBm

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



TX Channel Bandwidth 18 MHz Power -9.05 dBm

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

7.3 Power Spectral Density

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

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	3.30	2.80	6.07	10.2	Pass
40	5200	4.41	3.83	7.14	10.2	Pass
48	5240	5.21	3.99	7.65	10.2	Pass
52	5260	5.17	4.18	7.71	10.2	Pass
60	5300	5.23	4.32	7.81	10.2	Pass
64	5320	3.83	3.09	6.49	10.2	Pass
100	5500	3.52	2.65	6.12	10.57	Pass
116	5580	4.44	3.81	7.15	10.57	Pass
140	5700	2.99	2.57	5.80	10.57	Pass
144 (U-NII-2C)	5720	3.93	3.42	6.69	10.57	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.8 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.8 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.43-6) = 10.57 dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-0.39	-0.77	2.43	10.2	Pass
40	5200	2.46	2.46	5.47	10.2	Pass
48	5240	3.05	1.69	5.43	10.2	Pass
52	5260	3.07	2.22	5.68	10.2	Pass
60	5300	3.17	1.97	5.62	10.2	Pass
64	5320	0.92	0.15	3.56	10.2	Pass
100	5500	1.87	0.45	4.23	10.57	Pass
116	5580	2.30	1.19	4.79	10.57	Pass
140	5700	0.27	-0.13	3.08	10.57	Pass
144 (U-NII-2C)	5720	1.89	1.82	4.87	10.57	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.8 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.8 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.43-6) = 10.57 dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-7.96	-8.61	-5.26	10.2	Pass
46	5230	-2.83	-3.11	0.04	10.2	Pass
54	5270	-2.24	-2.50	0.64	10.2	Pass
62	5310	-7.12	-2.91	-1.51	10.2	Pass
102	5510	-7.09	-8.25	-4.62	10.57	Pass
110	5550	-1.99	-2.72	0.67	10.57	Pass
134	5670	-3.51	-4.18	-0.82	10.57	Pass
142 (U-NII-2C)	5710	-2.69	-3.12	0.11	10.57	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.8 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.8 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.43-6) = 10.57 dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-12.57	-12.05	-9.29	10.2	Pass
58	5290	-11.59	-11.36	-8.46	10.2	Pass
106	5530	-11.63	-12.15	-8.87	10.57	Pass
122	5610	-7.18	-6.50	-3.82	10.57	Pass
138 (U-NII-2C)	5690	-7.43	-7.11	-4.26	10.57	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 6.8 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.8 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.8-6) = 10.2 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.43-6) = 10.57 dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-9.73	-10.17	-6.93	-4.71	29.57	Pass
149	5745	-3.51	-4.45	-0.94	1.28	29.57	Pass
157	5785	-3.29	-4.36	-0.78	1.44	29.57	Pass
165	5825	-3.58	-4.18	-0.86	1.36	29.57	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.43-6) = 29.57 dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-9.20	-9.48	-6.33	-4.11	29.57	Pass
149	5745	-6.62	-7.57	-4.06	-1.84	29.57	Pass
157	5785	-6.80	-7.50	-4.13	-1.91	29.57	Pass
165	5825	-6.84	-7.33	-4.07	-1.85	29.57	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.43-6) = 29.57 dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-11.77	-12.79	-9.24	-7.02	29.57	Pass
151	5755	-10.80	-11.92	-8.31	-6.09	29.57	Pass
159	5795	-10.56	-11.59	-8.03	-5.81	29.57	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.43-6) = 29.57 dBm/500kHz.

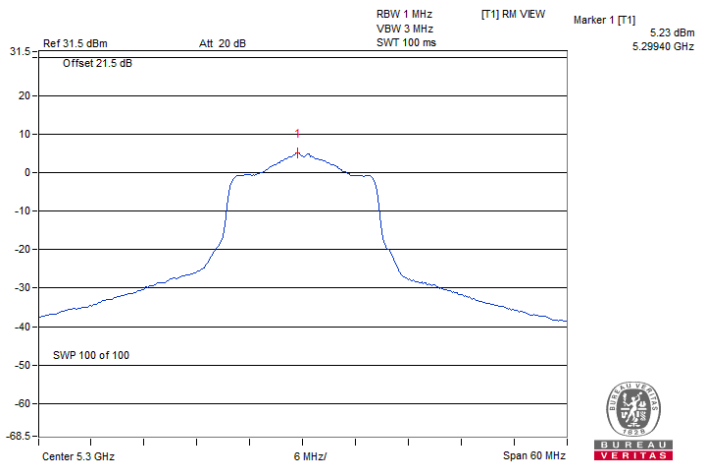
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-16.82	-16.75	-13.77	-11.55	29.57	Pass
155	5775	-16.63	-16.16	-13.38	-11.16	29.57	Pass

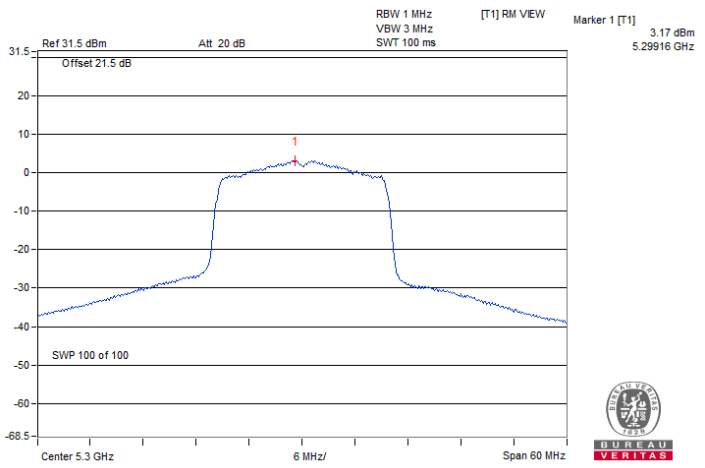
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[(10$^{Chain0/20}$ + 10$^{Chain1/20}$)^2 / 2]
3. For U-NII-3, the directional gain is 6.43 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.43-6) = 29.57 dBm/500kHz.

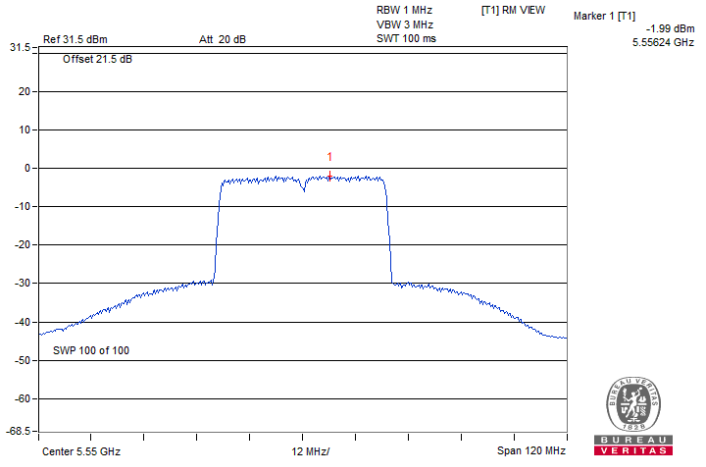
Spectrum Plot of Maximum Value



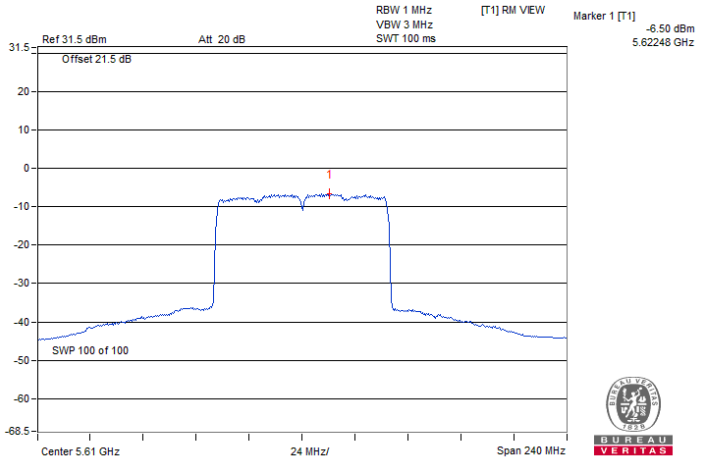
802.11a / Chain 0 : CH 60



802.11ax (HE20) / Chain 0 : CH 60

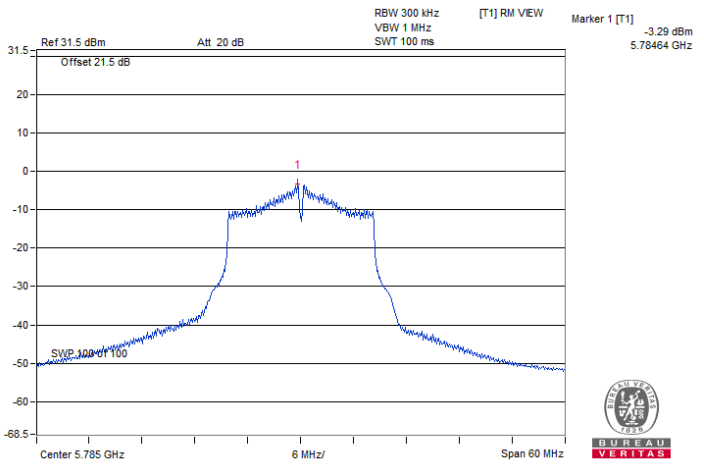


802.11ax (HE40) / Chain 0 : CH 110

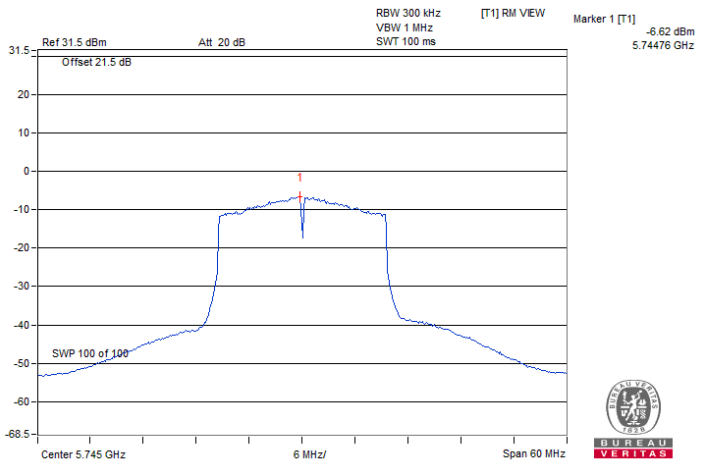


802.11ax (HE80) / Chain 1 : CH 122

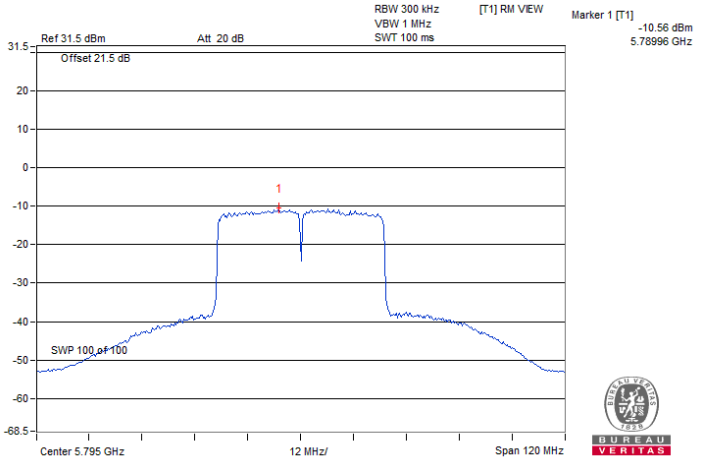
Spectrum Plot of Maximum Value



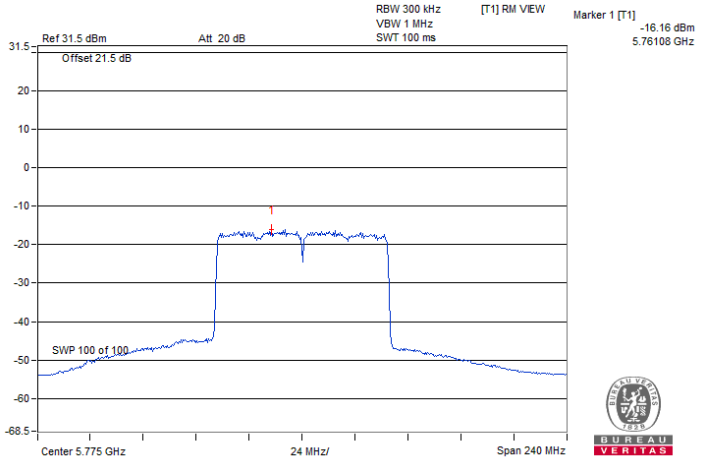
802.11a / Chain 0 : CH 157



802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE40) / Chain 0 : CH 159



802.11ax (HE80) / Chain 1 : CH 155

7.4 6 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.62	2.60	0.5	Pass
149	5745	15.25	15.23	0.5	Pass
157	5785	15.24	15.22	0.5	Pass
165	5825	15.22	15.24	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.44	4.36	0.5	Pass
149	5745	18.42	18.49	0.5	Pass
157	5785	18.51	18.22	0.5	Pass
165	5825	18.73	18.51	0.5	Pass

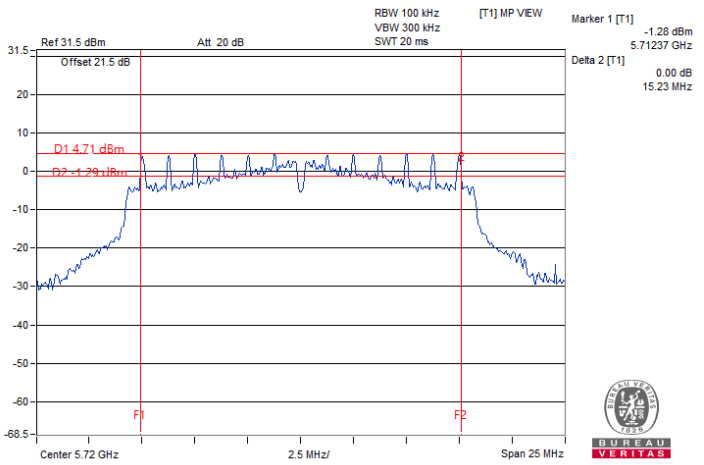
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.86	3.76	0.5	Pass
151	5755	37.72	37.57	0.5	Pass
159	5795	37.22	37.01	0.5	Pass

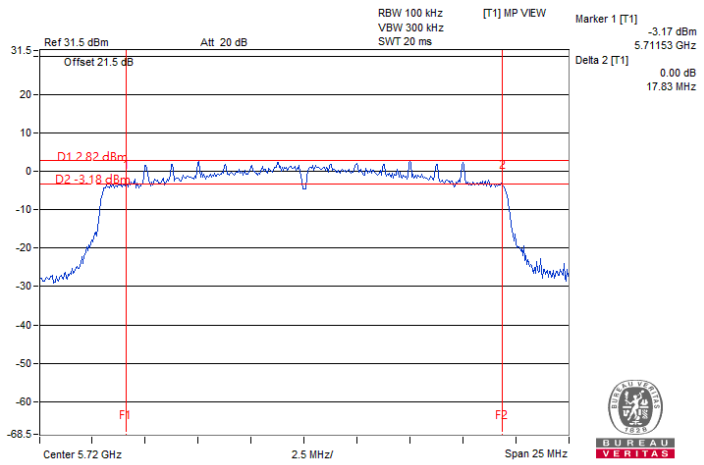
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	4.04	3.88	0.5	Pass
155	5775	77.91	77.71	0.5	Pass

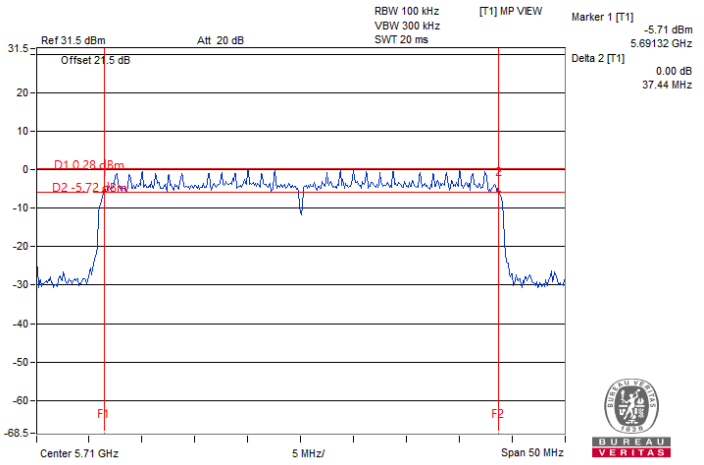
Spectrum Plot of Minimum Value



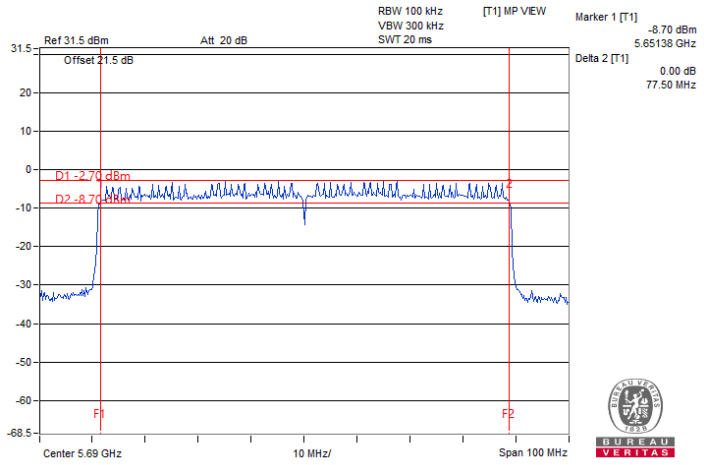
802.11a / Chain 1 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

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

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.68	16.56
40	5200	16.80	16.56
48	5240	17.64	16.56
52	5260	16.92	16.56
60	5300	16.92	16.56
64	5320	16.92	16.56
100	5500	16.80	16.56
116	5580	16.80	16.56
140	5700	16.80	16.56
144 (U-NII-2C)	5720	13.40	13.28
144 (U-NII-3)	5720	3.28	3.28
149	5745	16.68	16.56
157	5785	16.80	16.56
165	5825	16.56	16.56

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.96
40	5200	19.08	19.08
48	5240	19.20	18.96
52	5260	19.20	19.20
60	5300	19.08	18.96
64	5320	19.08	18.96
100	5500	18.96	19.08
116	5580	18.96	19.08
140	5700	19.08	18.96
144 (U-NII-2C)	5720	14.60	14.48
144 (U-NII-3)	5720	4.48	4.48
149	5745	18.96	18.96
157	5785	18.96	18.96
165	5825	18.96	19.08

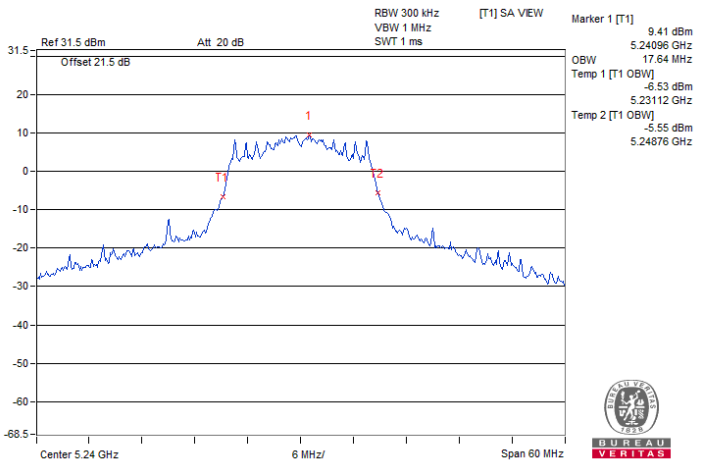
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	38.16
46	5230	37.92	39.12
54	5270	38.16	38.40
62	5310	37.92	39.36
102	5510	37.92	38.16
110	5550	38.88	38.16
134	5670	37.92	37.92
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.96	3.96
151	5755	38.40	38.16
159	5795	38.40	38.16

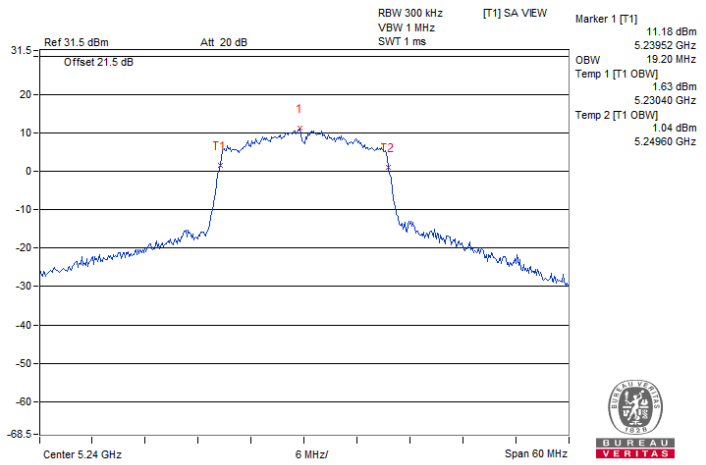
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	78.24	77.28
58	5290	77.28	77.28
106	5530	77.76	77.28
122	5610	77.76	77.28
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.88	3.40
155	5775	77.76	77.76

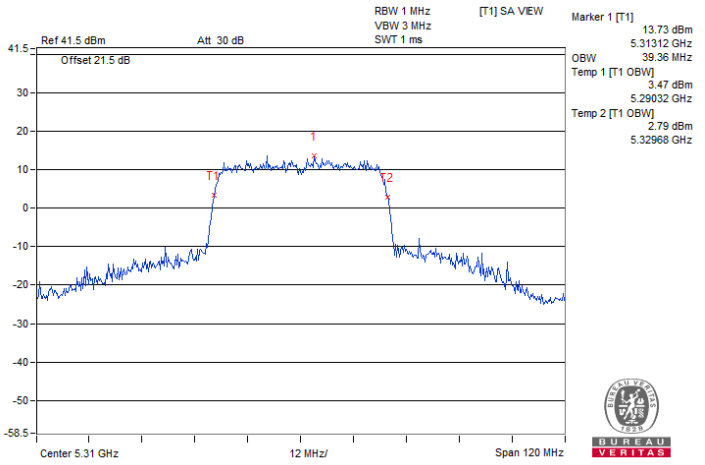
Spectrum Plot of Maximum Value



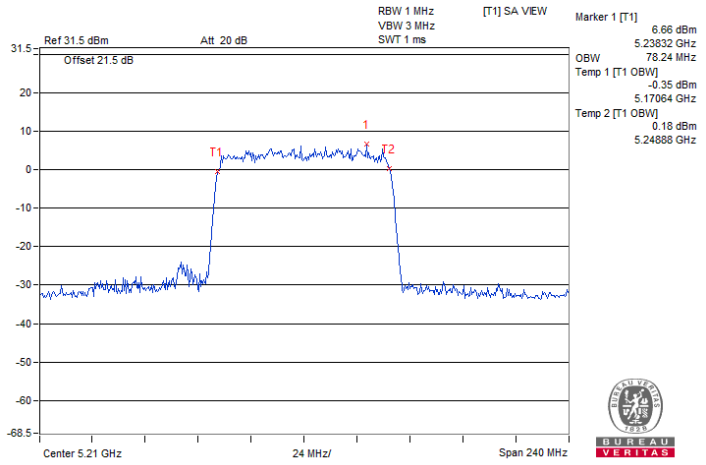
802.11a / Chain 0 : CH 48



802.11ax (HE20) / Chain 0 : CH 48

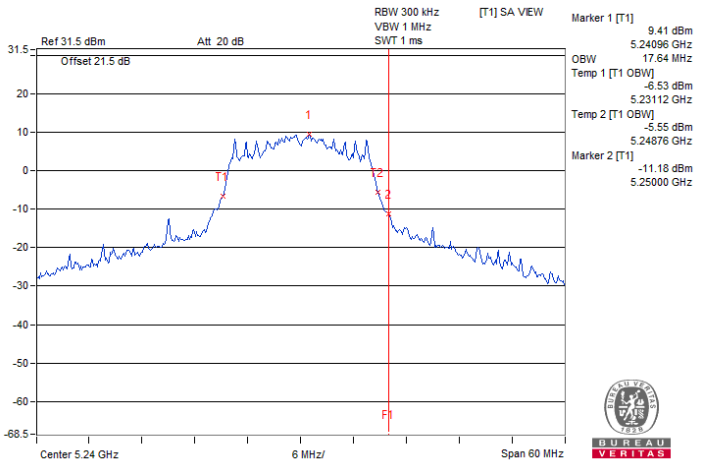


802.11ax (HE40) / Chain 1 : CH 62

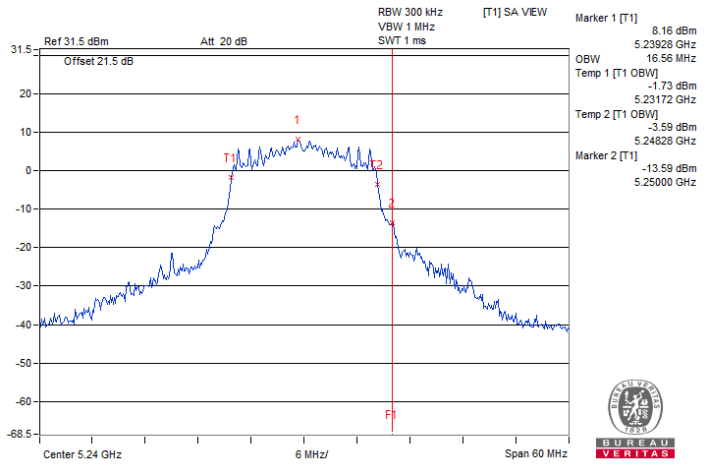


802.11ax (HE80) / Chain 0 : CH 42

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



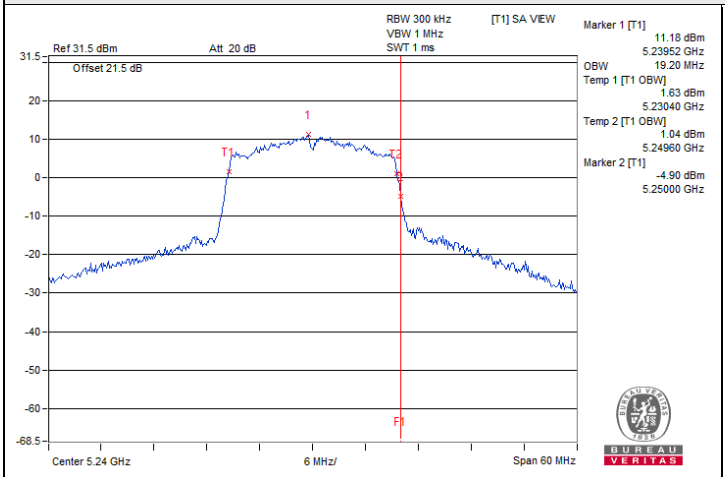
802.11a / Chain 0 : CH 48



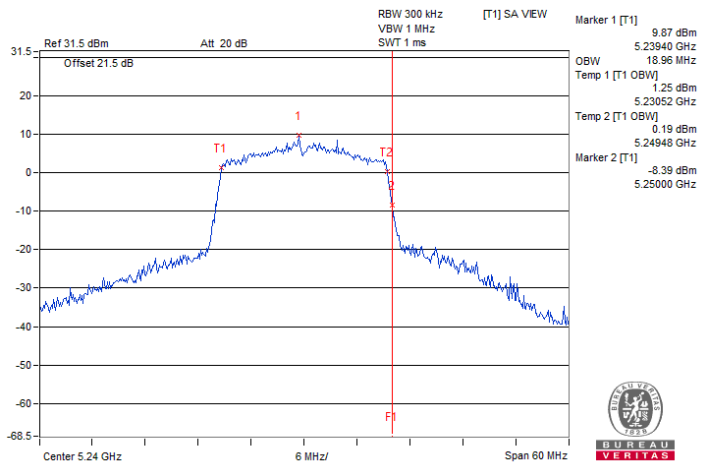
802.11a / Chain 1 : CH 48

Spectrum Plot for nearby DFS band

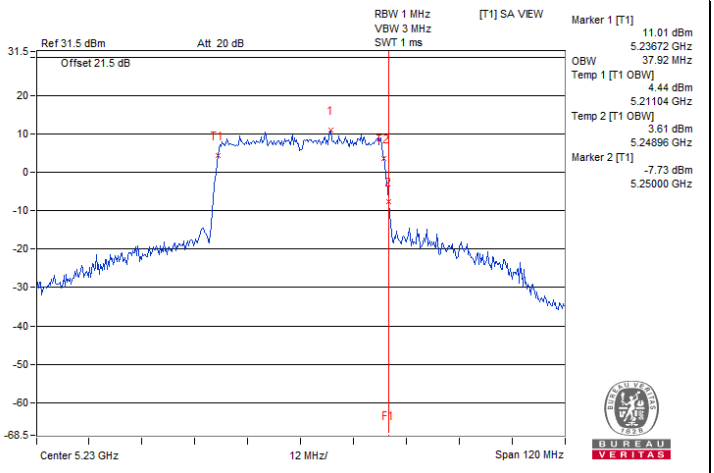
(DFS is required, if 99% OCP straddle into U-NII-2A)



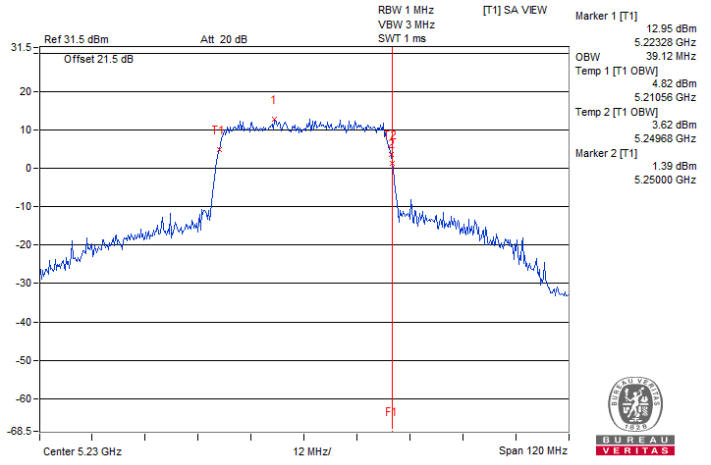
802.11ax (HE20) / Chain 0 : CH 48



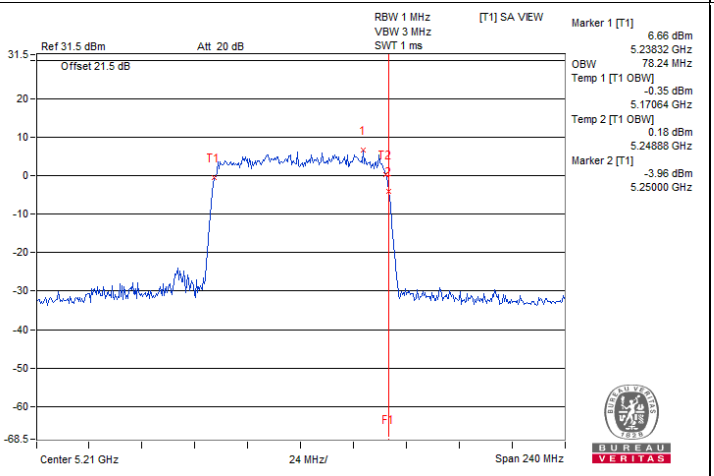
802.11ax (HE20) / Chain 1 : CH 48



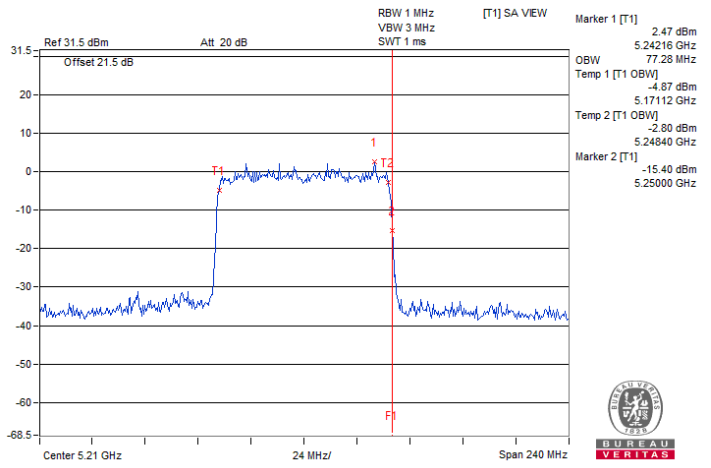
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46



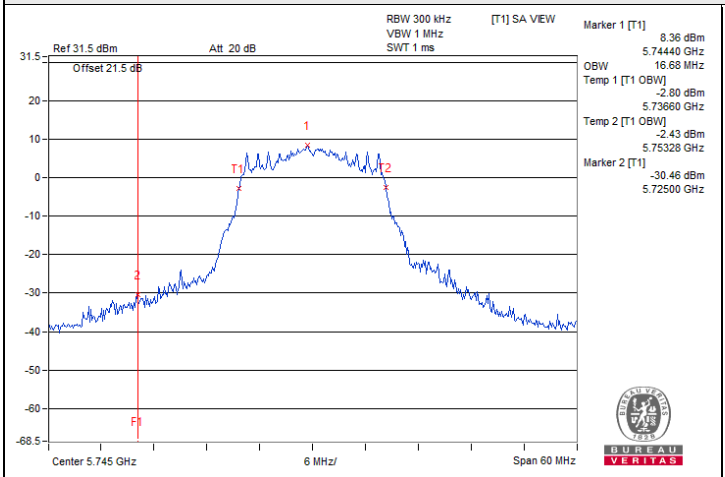
802.11ax (HE80) / Chain 0 : CH 42



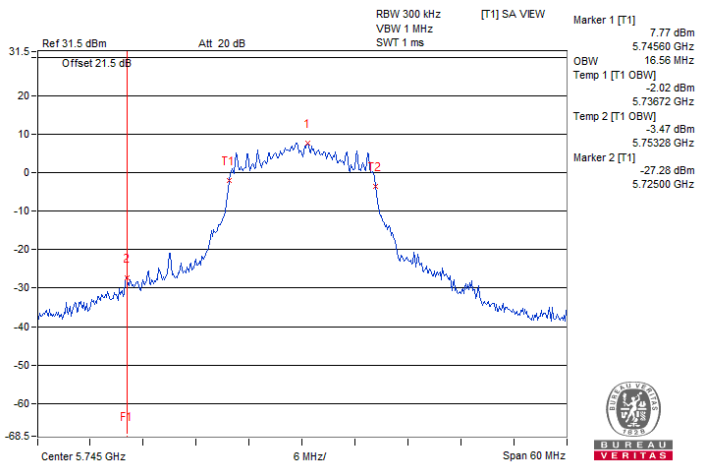
802.11ax (HE80) / Chain 1 : CH 42

Spectrum Plot for nearby DFS band

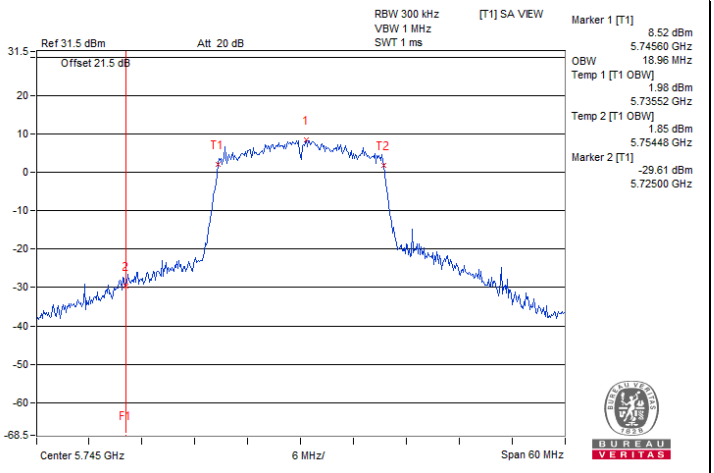
(DFS is required, if 99% OCP straddle into U-NII-2C)



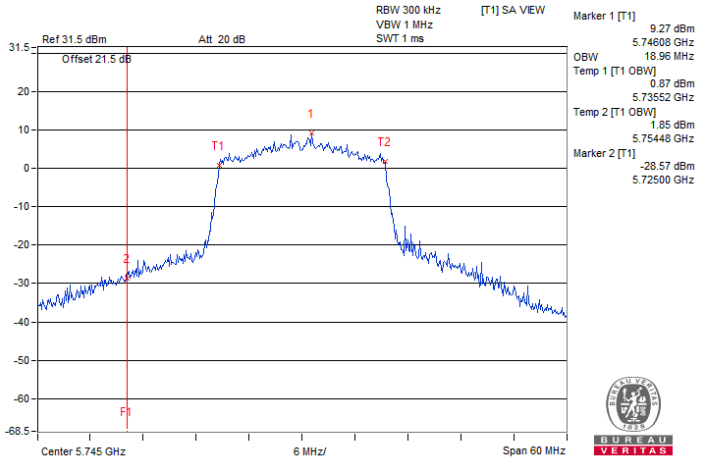
802.11a / Chain 0 : CH 149



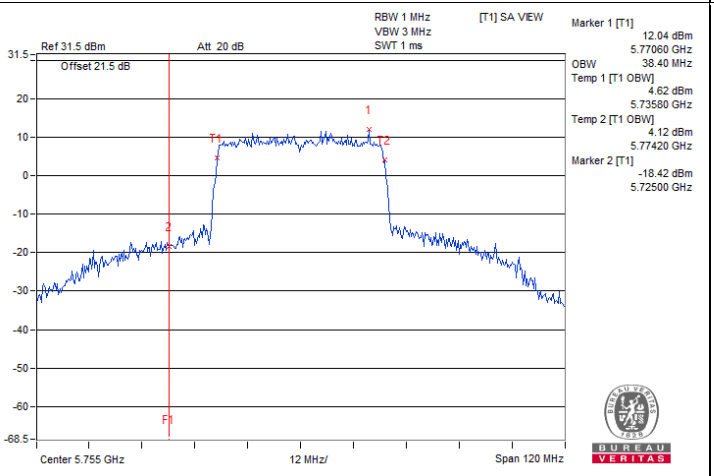
802.11a / Chain 1 : CH 149



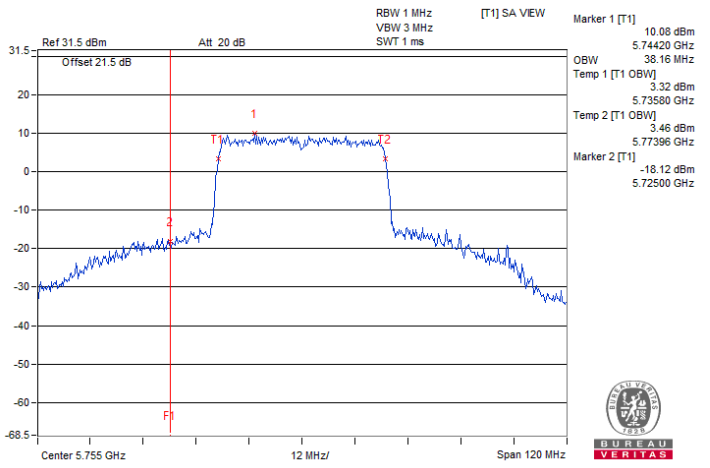
802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE20) / Chain 1 : CH 149



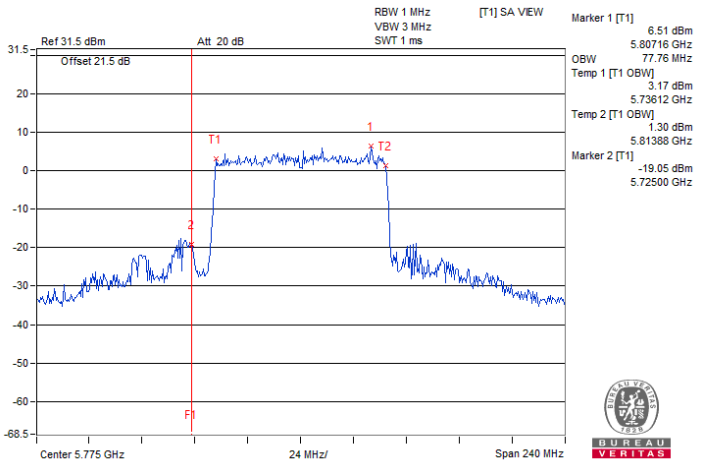
802.11ax (HE40) / Chain 0 : CH 151



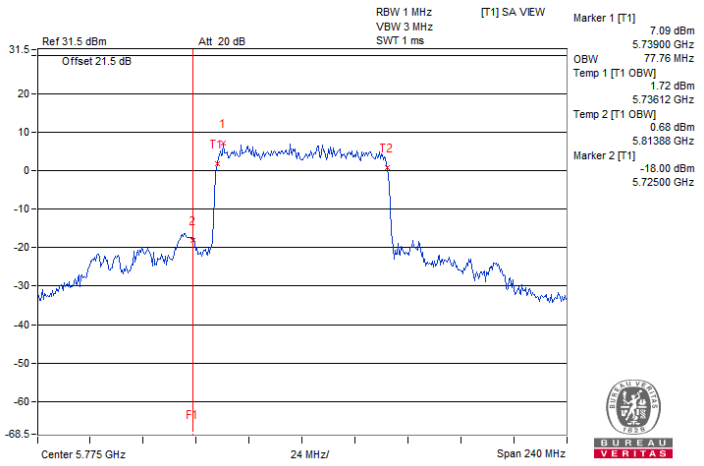
802.11ax (HE40) / Chain 1 : CH 151

Spectrum Plot for nearby DFS band

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



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

7.6 Frequency Stability

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

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5180.0168	Pass	5180.0157	Pass	5180.0177	Pass	5180.0168	Pass
30	120	5180.0031	Pass	5180.0042	Pass	5180.0025	Pass	5180.0011	Pass
20	120	5179.9838	Pass	5179.9813	Pass	5179.9836	Pass	5179.9796	Pass
10	120	5179.9951	Pass	5179.9916	Pass	5179.9902	Pass	5179.9906	Pass
0	120	5180.0067	Pass	5180.0065	Pass	5180.0059	Pass	5180.0077	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9871	Pass	5179.9841	Pass	5179.9865	Pass	5179.9871	Pass
	120	5179.9838	Pass	5179.9813	Pass	5179.9836	Pass	5179.9796	Pass
	102	5179.9904	Pass	5179.9907	Pass	5179.9922	Pass	5179.9943	Pass

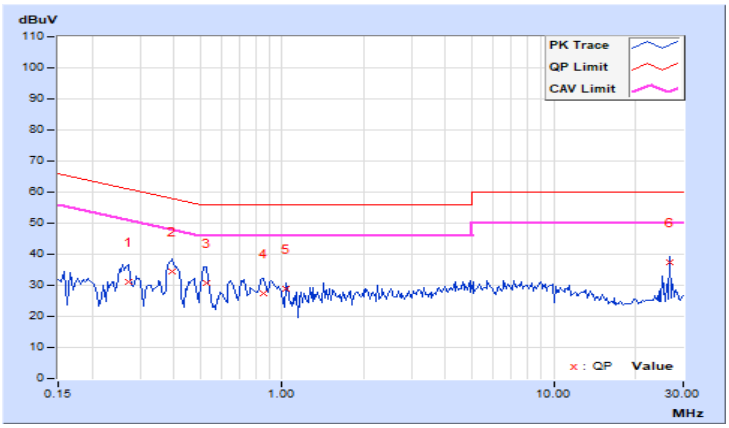
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Sampson Chen		

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	0.27109	9.98	21.11	14.26	31.09	24.24	61.08	51.08	-29.99	-26.84
2	0.39609	9.99	24.40	17.07	34.39	27.06	57.93	47.93	-23.54	-20.87
3	0.52891	10.00	20.75	14.62	30.75	24.62	56.00	46.00	-25.25	-21.38
4	0.85313	10.02	17.56	6.80	27.58	16.82	56.00	46.00	-28.42	-29.18
5	1.03906	10.03	18.81	7.21	28.84	17.24	56.00	46.00	-27.16	-28.76
6	**26.76172**	**11.47**	**26.11**	**23.34**	**37.58**	**34.81**	**60.00**	**50.00**	**-22.42**	**-15.19**

Remarks:

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

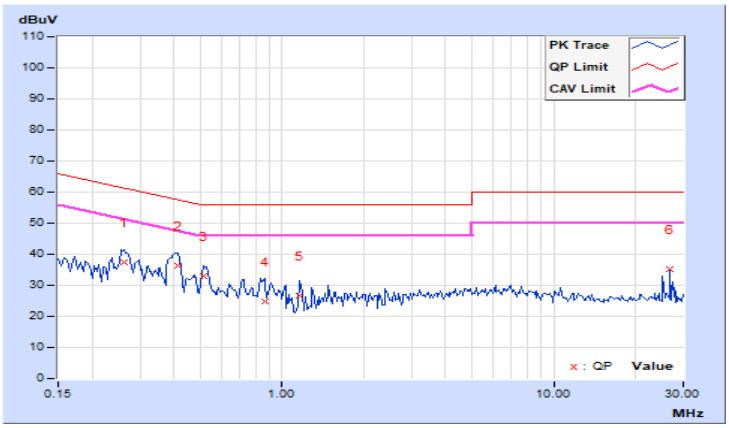


RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Sampson Chen		

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	0.26328	10.03	27.36	19.28	37.39	29.31	61.33	51.33	-23.94	-22.02
2	0.41563	10.04	26.10	15.29	36.14	25.33	57.54	47.54	-21.40	-22.21
3	0.51719	10.05	23.04	12.10	33.09	22.15	56.00	46.00	-22.91	-23.85
4	0.86094	10.07	14.88	3.35	24.95	13.42	56.00	46.00	-31.05	-32.58
5	1.15625	10.09	16.52	4.81	26.61	14.90	56.00	46.00	-29.39	-31.10
6	26.76172	11.16	24.14	18.83	35.30	29.99	60.00	50.00	-24.70	-20.01

Remarks:

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



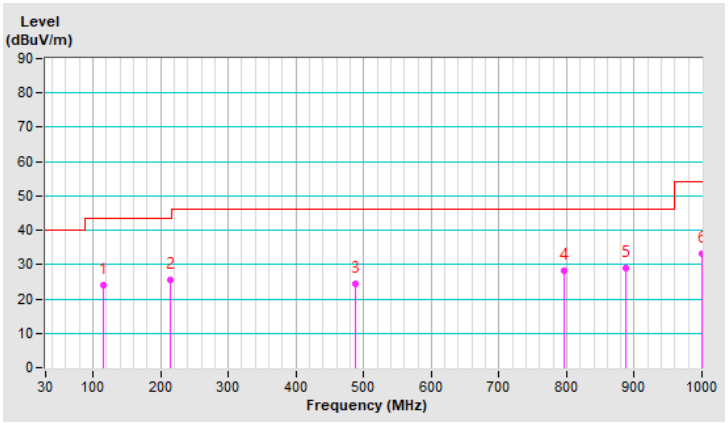
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 67% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	115.21	24.0 QP	43.5	-19.5	1.00 H	241	39.1	-15.1
2	214.98	25.4 QP	43.5	-18.1	1.50 H	321	41.5	-16.1
3	488.64	24.3 QP	46.0	-21.7	1.50 H	215	32.0	-7.7
4	796.01	28.1 QP	46.0	-17.9	1.50 H	87	30.2	-2.1
5	887.41	29.1 QP	46.0	-16.9	2.50 H	216	30.2	-1.1
6	1000.00	33.3 QP	54.0	-20.7	3.00 H	277	33.1	0.2

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

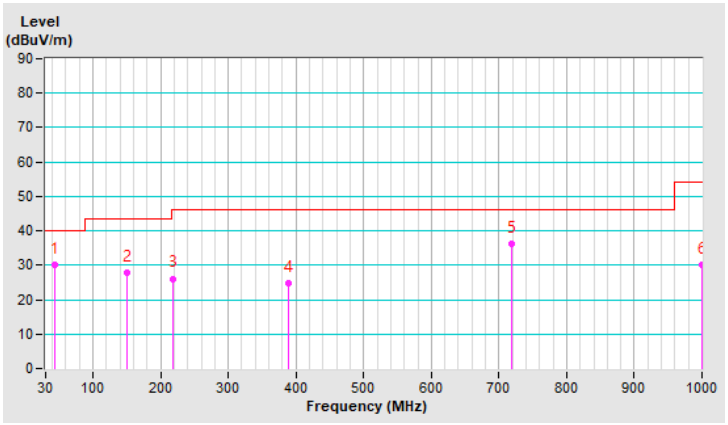


RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21°C, 67% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	44.50	30.0 QP	40.0	-10.0	1.00 V	244	42.6	-12.6
2	150.09	27.9 QP	43.5	-15.6	2.50 V	211	40.3	-12.4
3	217.89	26.1 QP	46.0	-19.9	1.50 V	158	42.2	-16.1
4	387.95	24.6 QP	46.0	-21.4	1.50 V	277	34.6	-10.0
5	**719.40**	**36.1 QP**	**46.0**	**-9.9**	**1.00 V**	**113**	**39.4**	**-3.3**
6	1000.00	30.1 QP	54.0	-23.9	1.50 V	288	29.9	0.2

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



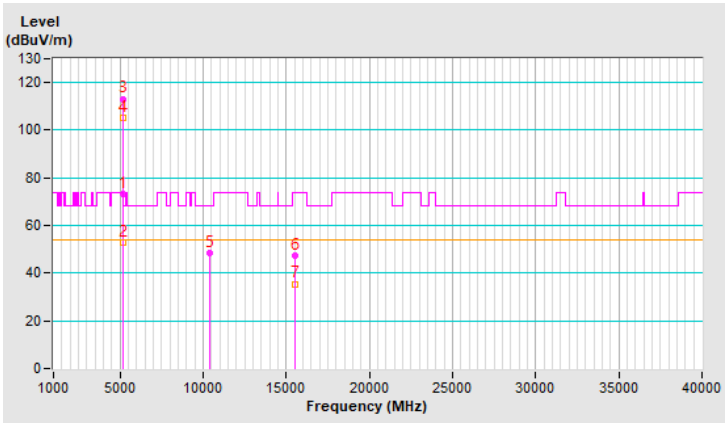
7.9 Unwanted Emissions above 1 GHz

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	73.1 PK	74.0	-0.9	2.13 H	144	69.5	3.6
2	5150.00	52.7 AV	54.0	-1.3	2.13 H	144	49.1	3.6
3	*5180.00	113.2 PK			2.13 H	144	109.8	3.4
4	*5180.00	105.3 AV			2.13 H	144	101.9	3.4
5	#10360.00	48.6 PK	68.2	-19.6	1.78 H	175	34.8	13.8
6	15540.00	47.2 PK	74.0	-26.8	3.29 H	261	31.7	15.5
7	15540.00	35.5 AV	54.0	-18.5	3.29 H	261	20.0	15.5

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.

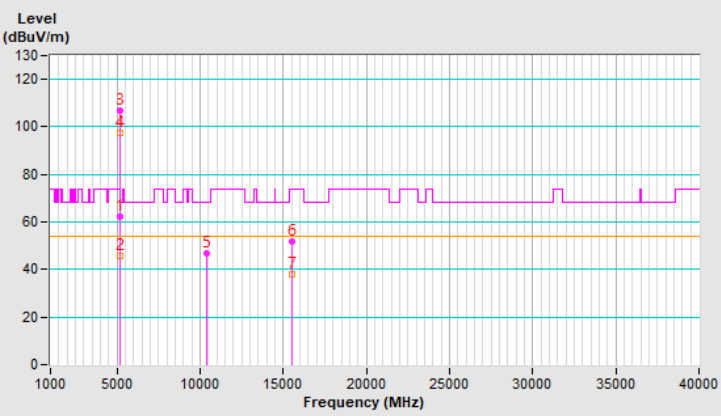


RF Mode	802.11a	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	62.3 PK	74.0	-11.7	1.50 V	345	58.7	3.6
2	5150.00	45.5 AV	54.0	-8.5	1.50 V	345	41.9	3.6
3	*5180.00	106.9 PK			1.50 V	345	103.5	3.4
4	*5180.00	97.6 AV			1.50 V	345	94.2	3.4
5	#10360.00	46.8 PK	68.2	-21.4	1.59 V	355	33.0	13.8
6	15540.00	51.6 PK	74.0	-22.4	1.70 V	212	36.1	15.5
7	15540.00	37.8 AV	54.0	-16.2	1.70 V	212	22.3	15.5

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.

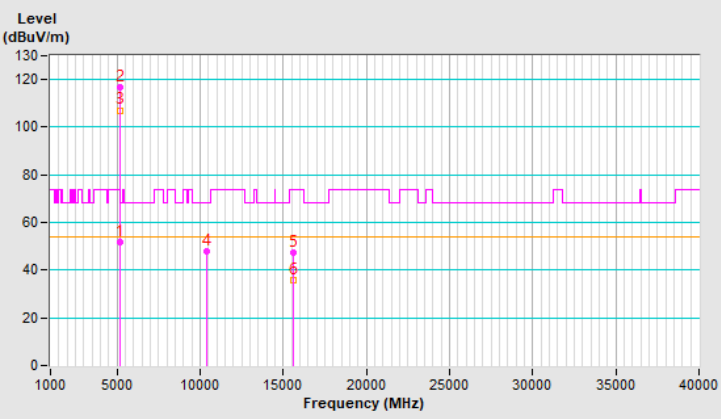


RF Mode	802.11a	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5152.00	52.0 PK	68.2	-16.2	2.14 H	142	48.4	3.6
2	*5200.00	116.6 PK			2.14 H	142	113.2	3.4
3	*5200.00	107.1 AV			2.14 H	142	103.7	3.4
4	#10400.00	47.9 PK	68.2	-20.3	1.70 H	194	33.9	14.0
5	15600.00	47.2 PK	74.0	-26.8	3.20 H	236	31.6	15.6
6	15600.00	35.8 AV	54.0	-18.2	3.20 H	236	20.2	15.6

Remarks:

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

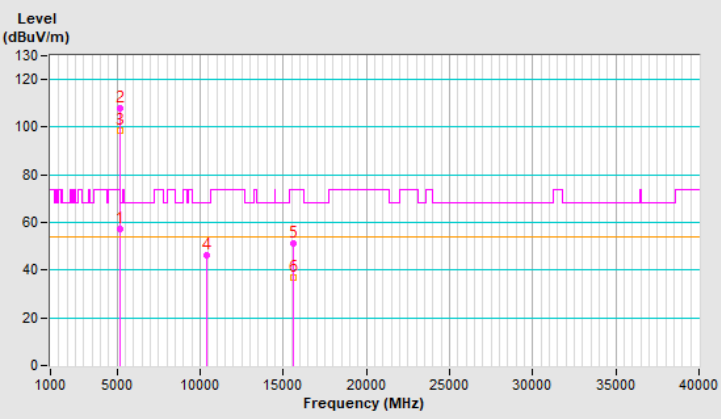


RF Mode	802.11a	Channel	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5151.00	57.4 PK	68.2	-10.8	1.05 V	47	53.8	3.6
2	*5200.00	107.8 PK			1.05 V	47	104.4	3.4
3	*5200.00	98.6 AV			1.05 V	47	95.2	3.4
4	#10400.00	46.5 PK	68.2	-21.7	1.67 V	353	32.5	14.0
5	15600.00	51.0 PK	74.0	-23.0	1.66 V	219	35.4	15.6
6	15600.00	37.0 AV	54.0	-17.0	1.66 V	219	21.4	15.6

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.

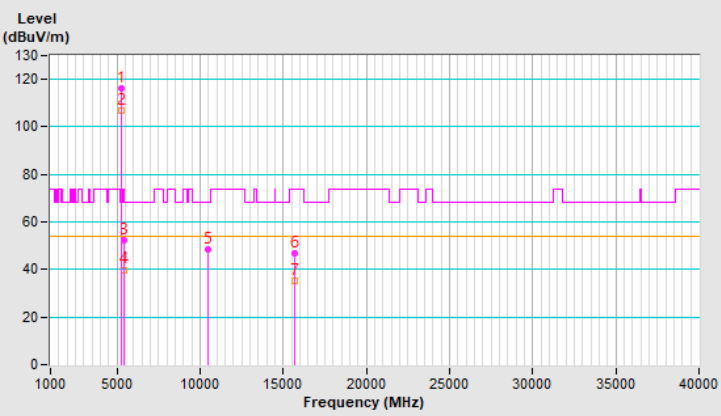


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	116.3 PK			2.17 H	144	113.0	3.3
2	*5240.00	106.6 AV			2.17 H	144	103.3	3.3
3	5399.00	52.2 PK	74.0	-21.8	2.17 H	144	49.0	3.2
4	5399.00	39.9 AV	54.0	-14.1	2.17 H	144	36.7	3.2
5	#10480.00	48.3 PK	68.2	-19.9	1.74 H	192	34.2	14.1
6	15720.00	46.7 PK	74.0	-27.3	3.27 H	256	32.8	13.9
7	15720.00	35.2 AV	54.0	-18.8	3.27 H	256	21.3	13.9

Remarks:

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

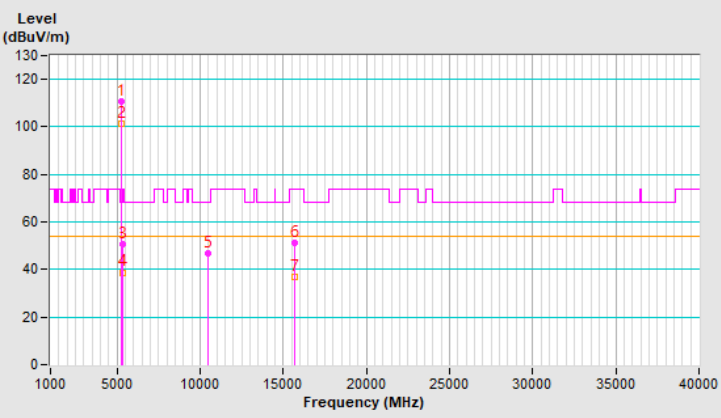


RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	110.6 PK			3.35 V	0	107.3	3.3
2	*5240.00	101.4 AV			3.35 V	0	98.1	3.3
3	5350.00	50.9 PK	74.0	-23.1	3.35 V	0	47.6	3.3
4	5350.00	38.8 AV	54.0	-15.2	3.35 V	0	35.5	3.3
5	#10480.00	46.9 PK	68.2	-21.3	1.58 V	360	32.8	14.1
6	15720.00	51.3 PK	74.0	-22.7	1.67 V	242	37.4	13.9
7	15720.00	37.0 AV	54.0	-17.0	1.67 V	242	23.1	13.9

Remarks:

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

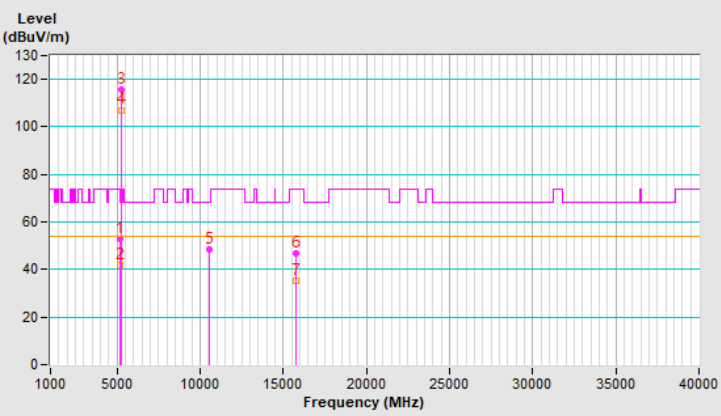


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.1 PK	74.0	-20.9	2.07 H	142	49.5	3.6
2	5150.00	41.7 AV	54.0	-12.3	2.07 H	142	38.1	3.6
3	*5260.00	115.4 PK			2.07 H	142	112.3	3.1
4	*5260.00	107.1 AV			2.07 H	142	104.0	3.1
5	#10520.00	48.3 PK	68.2	-19.9	1.75 H	195	34.2	14.1
6	15780.00	46.6 PK	74.0	-27.4	3.24 H	256	32.5	14.1
7	15780.00	35.2 AV	54.0	-18.8	3.24 H	256	21.1	14.1

Remarks:

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

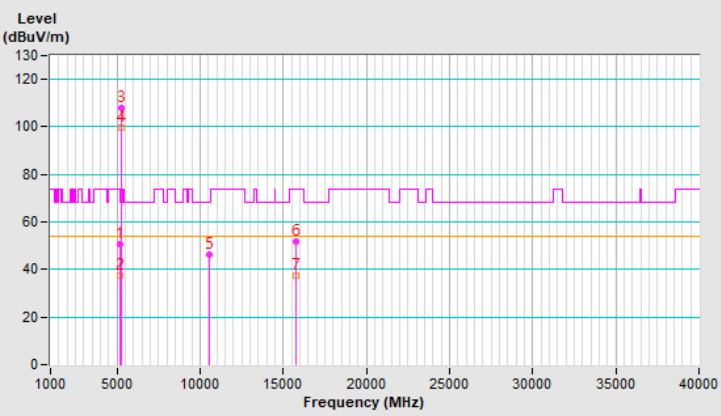


RF Mode	802.11a	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.6 PK	74.0	-23.4	1.03 V	37	47.0	3.6
2	5150.00	37.6 AV	54.0	-16.4	1.03 V	37	34.0	3.6
3	*5260.00	107.7 PK			1.03 V	37	104.6	3.1
4	*5260.00	99.9 AV			1.03 V	37	96.8	3.1
5	#10520.00	46.4 PK	68.2	-21.8	1.56 V	349	32.3	14.1
6	15780.00	51.6 PK	74.0	-22.4	1.76 V	218	37.5	14.1
7	15780.00	37.6 AV	54.0	-16.4	1.76 V	218	23.5	14.1

Remarks:

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

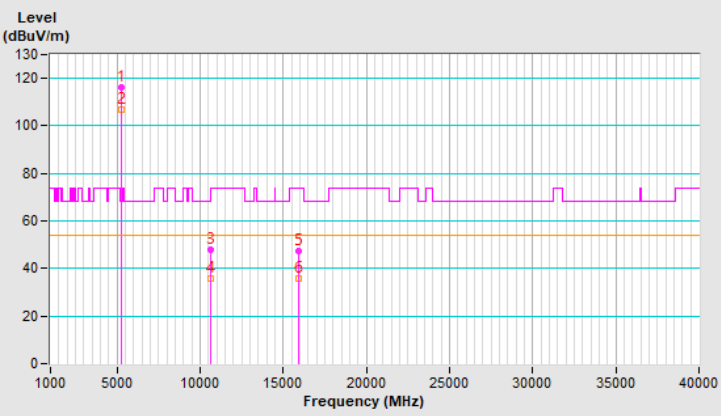


RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.4 PK			1.86 H	142	113.3	3.1
2	*5300.00	106.9 AV			1.86 H	142	103.8	3.1
3	10600.00	48.0 PK	74.0	-26.0	1.75 H	170	34.3	13.7
4	10600.00	35.7 AV	54.0	-18.3	1.75 H	170	22.0	13.7
5	15900.00	47.1 PK	74.0	-26.9	3.20 H	251	33.0	14.1
6	15900.00	35.8 AV	54.0	-18.2	3.20 H	251	21.7	14.1

Remarks:

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

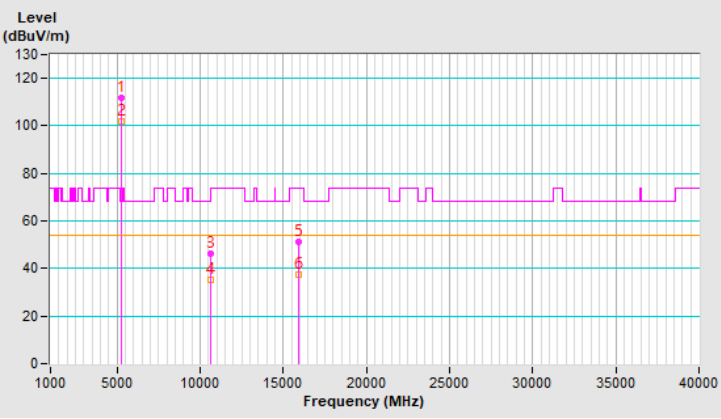


RF Mode	802.11a	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5300.00	111.9 PK			3.42 V	0	108.8	3.1
2	*5300.00	102.0 AV			3.42 V	0	98.9	3.1
3	10600.00	46.3 PK	74.0	-27.7	1.58 V	336	32.6	13.7
4	10600.00	35.0 AV	54.0	-19.0	1.58 V	336	21.3	13.7
5	15900.00	51.2 PK	74.0	-22.8	1.74 V	224	37.1	14.1
6	15900.00	37.3 AV	54.0	-16.7	1.74 V	224	23.2	14.1

Remarks:

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

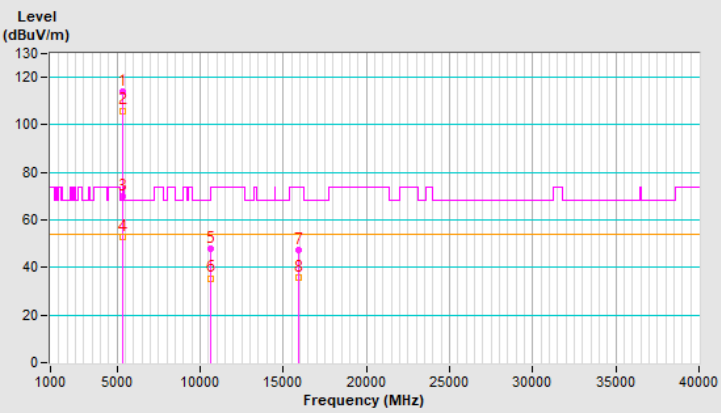


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.9 PK			2.07 H	140	110.7	3.2
2	*5320.00	106.0 AV			2.07 H	140	102.8	3.2
3	5350.00	69.7 PK	74.0	-4.3	2.07 H	140	66.4	3.3
4	5350.00	52.7 AV	54.0	-1.3	2.07 H	140	49.4	3.3
5	10640.00	48.0 PK	74.0	-26.0	1.75 H	184	34.3	13.7
6	10640.00	35.5 AV	54.0	-18.5	1.75 H	184	21.8	13.7
7	15960.00	47.2 PK	74.0	-26.8	3.25 H	248	32.7	14.5
8	15960.00	35.6 AV	54.0	-18.4	3.25 H	248	21.1	14.5

Remarks:

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

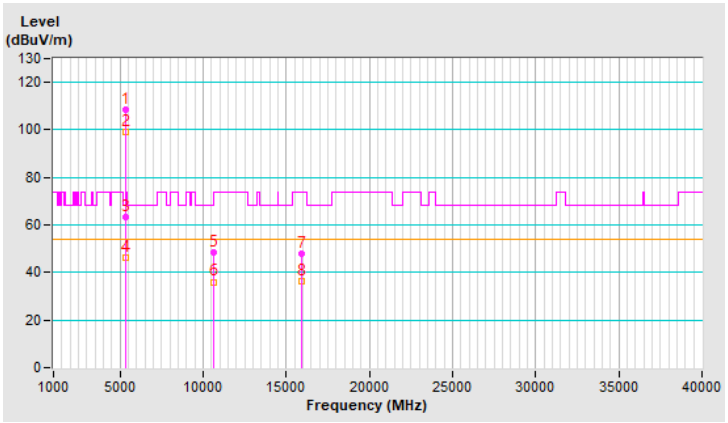


RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.7 PK			3.41 V	360	105.5	3.2
2	*5320.00	99.3 AV			3.41 V	360	96.1	3.2
3	5350.00	63.4 PK	74.0	-10.6	3.41 V	360	60.1	3.3
4	5350.00	46.4 AV	54.0	-7.6	3.41 V	360	43.1	3.3
5	10640.00	48.3 PK	74.0	-25.7	1.47 V	2	34.6	13.7
6	10640.00	36.1 AV	54.0	-17.9	1.47 V	2	22.4	13.7
7	15960.00	48.1 PK	74.0	-25.9	1.73 V	227	33.6	14.5
8	15960.00	36.2 AV	54.0	-17.8	1.73 V	227	21.7	14.5

Remarks:

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

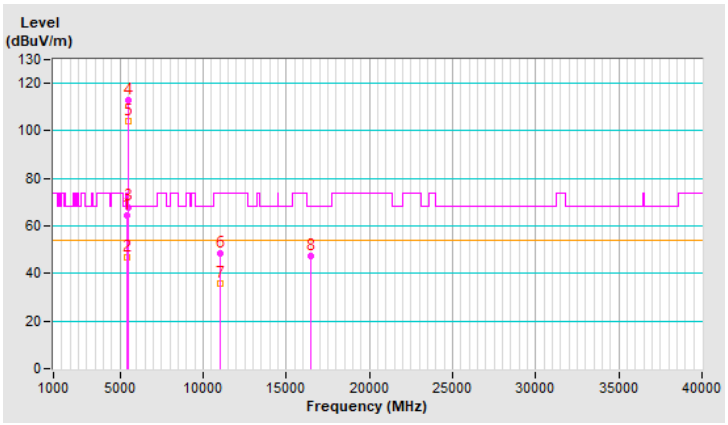


RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.5 PK	74.0	-9.5	1.89 H	145	61.0	3.5
2	5460.00	46.6 AV	54.0	-7.4	1.89 H	145	43.1	3.5
3	**#5470.00**	**68.0 PK**	**68.2**	**-0.2**	**1.89 H**	**145**	**64.5**	**3.5**
4	*5500.00	112.7 PK			1.89 H	145	109.2	3.5
5	*5500.00	104.1 AV			1.89 H	145	100.6	3.5
6	11000.00	48.7 PK	74.0	-25.3	1.74 H	170	34.5	14.2
7	11000.00	35.9 AV	54.0	-18.1	1.74 H	170	21.7	14.2
8	#16500.00	47.6 PK	68.2	-20.6	3.31 H	259	31.6	16.0

Remarks:

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

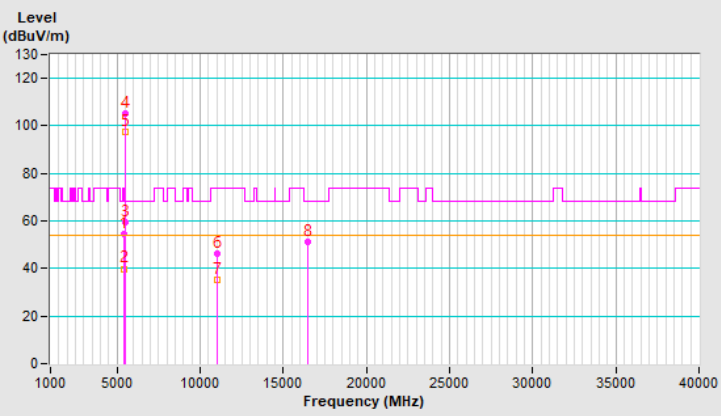


RF Mode	802.11a	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	54.3 PK	74.0	-19.7	1.00 V	0	50.8	3.5
2	5460.00	39.9 AV	54.0	-14.1	1.00 V	0	36.4	3.5
3	#5470.00	59.4 PK	68.2	-8.8	1.00 V	0	55.9	3.5
4	*5500.00	105.2 PK			3.52 V	12	101.7	3.5
5	*5500.00	97.3 AV			3.52 V	12	93.8	3.5
6	11000.00	46.3 PK	74.0	-27.7	1.59 V	360	32.1	14.2
7	11000.00	35.0 AV	54.0	-19.0	1.59 V	360	20.8	14.2
8	#16500.00	51.2 PK	68.2	-17.0	1.67 V	223	35.2	16.0

Remarks:

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

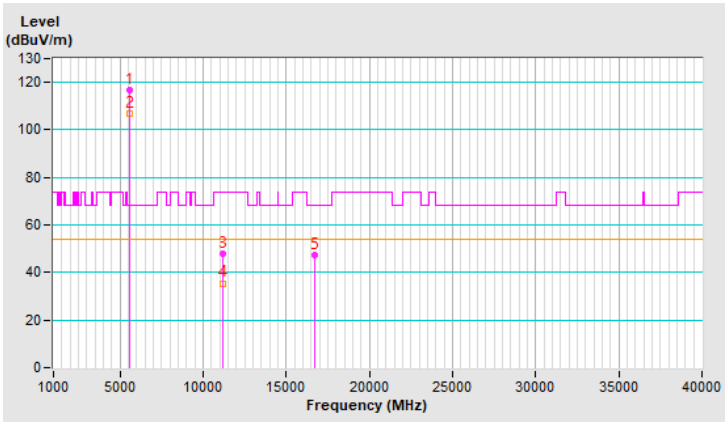


RF Mode	802.11a	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	116.8 PK			1.85 H	169	113.0	3.8
2	*5580.00	106.9 AV			1.85 H	169	103.1	3.8
3	11160.00	48.1 PK	74.0	-25.9	1.78 H	195	33.7	14.4
4	11160.00	35.5 AV	54.0	-18.5	1.78 H	195	21.1	14.4
5	#16740.00	47.2 PK	68.2	-21.0	3.23 H	244	29.6	17.6

Remarks:

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

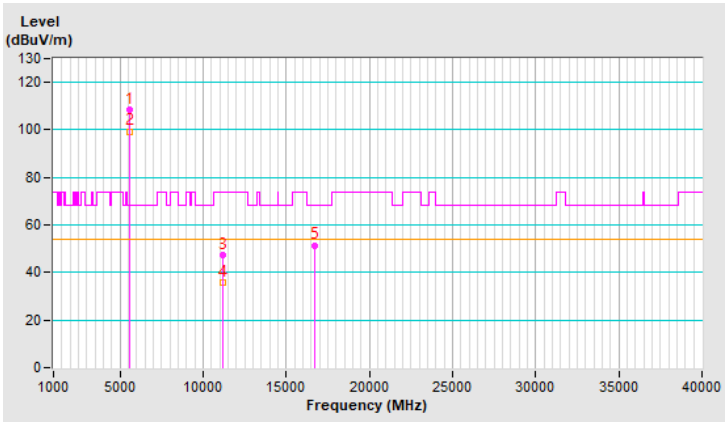


RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.5 PK			2.68 V	62	104.7	3.8
2	*5580.00	99.4 AV			2.68 V	62	95.6	3.8
3	11160.00	47.4 PK	74.0	-26.6	1.58 V	339	33.0	14.4
4	11160.00	35.7 AV	54.0	-18.3	1.58 V	339	21.3	14.4
5	#16740.00	51.5 PK	68.2	-16.7	1.75 V	243	33.9	17.6

Remarks:

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

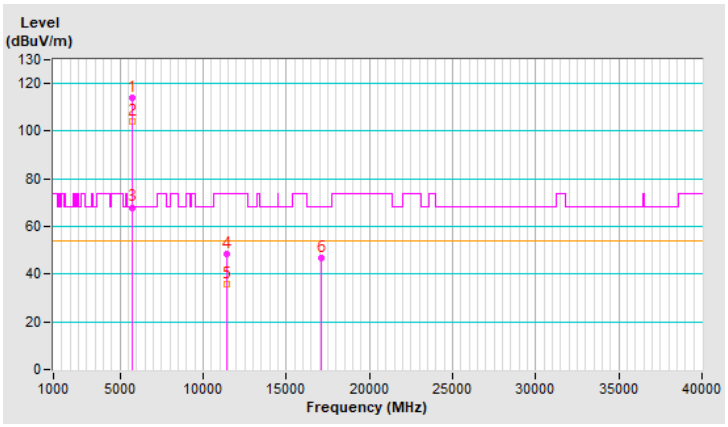


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.9 PK			1.68 H	168	110.0	3.9
2	*5700.00	104.2 AV			1.68 H	168	100.3	3.9
3	**#5725.00**	**68.0 PK**	**68.2**	**-0.2**	**1.68 H**	**168**	**64.0**	**4.0**
4	11400.00	48.2 PK	74.0	-25.8	1.79 H	177	33.2	15.0
5	11400.00	35.6 AV	54.0	-18.4	1.79 H	177	20.6	15.0
6	#17100.00	47.0 PK	68.2	-21.2	3.27 H	237	29.2	17.8

Remarks:

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

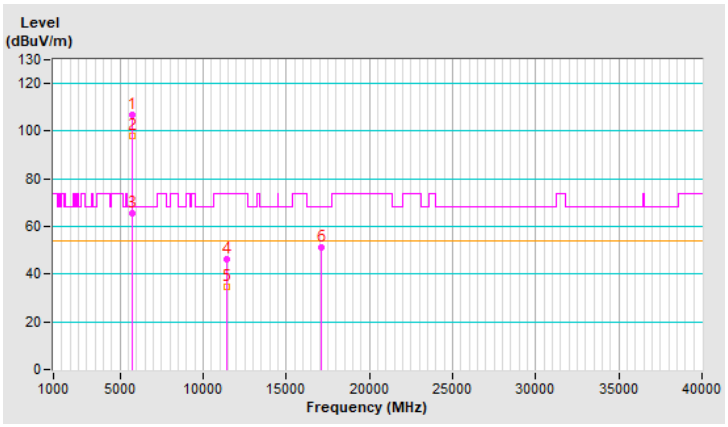


RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.7 PK			2.68 V	60	102.8	3.9
2	*5700.00	97.9 AV			2.68 V	60	94.0	3.9
3	#5725.00	65.5 PK	68.2	-2.7	2.68 V	60	61.5	4.0
4	11400.00	46.2 PK	74.0	-27.8	1.65 V	360	31.2	15.0
5	11400.00	34.9 AV	54.0	-19.1	1.65 V	360	19.9	15.0
6	#17100.00	51.2 PK	68.2	-17.0	1.74 V	216	33.4	17.8

Remarks:

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

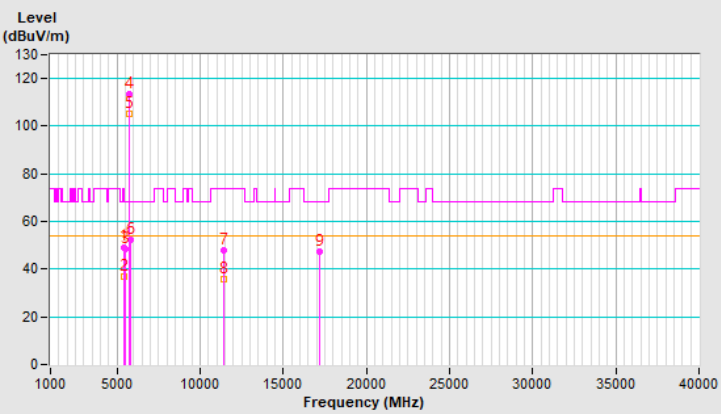


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5425.00	49.3 PK	74.0	-24.7	2.03 H	171	45.9	3.4
2	5425.00	37.0 AV	54.0	-17.0	2.03 H	171	33.6	3.4
3	#5470.00	48.3 PK	68.2	-19.9	2.03 H	171	44.8	3.5
4	*5720.00	113.6 PK			2.03 H	171	109.6	4.0
5	*5720.00	105.4 AV			2.03 H	171	101.4	4.0
6	#5850.00	52.1 PK	68.2	-16.1	2.03 H	171	47.8	4.3
7	11440.00	48.0 PK	74.0	-26.0	1.71 H	179	33.0	15.0
8	11440.00	35.6 AV	54.0	-18.4	1.71 H	179	20.6	15.0
9	#17160.00	47.1 PK	68.2	-21.1	3.30 H	260	29.6	17.5

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.

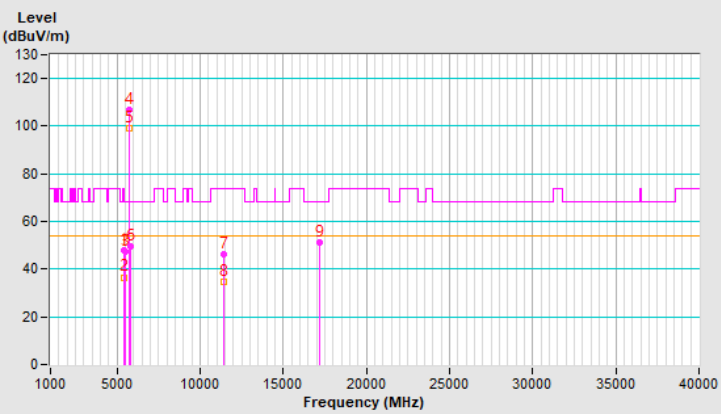


RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	47.9 PK	74.0	-26.1	1.00 V	0	44.4	3.5
2	5460.00	36.6 AV	54.0	-17.4	1.00 V	0	33.1	3.5
3	#5470.00	47.5 PK	68.2	-20.7	1.00 V	0	44.0	3.5
4	*5720.00	107.0 PK			2.98 V	318	103.0	4.0
5	*5720.00	99.0 AV			2.98 V	318	95.0	4.0
6	#5850.00	49.6 PK	68.2	-18.6	1.00 V	0	45.3	4.3
7	11440.00	46.2 PK	74.0	-27.8	1.65 V	356	31.2	15.0
8	11440.00	34.9 AV	54.0	-19.1	1.65 V	356	19.9	15.0
9	#17160.00	51.2 PK	68.2	-17.0	1.69 V	235	33.7	17.5

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.

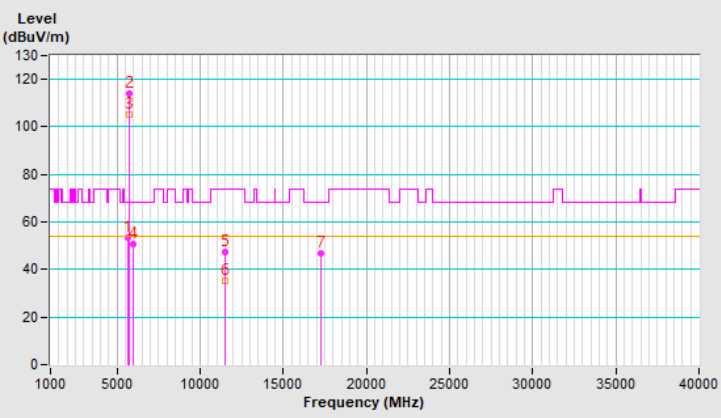


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.00	53.5 PK	68.2	-14.7	1.79 H	164	49.6	3.9
2	*5745.00	114.1 PK			1.79 H	164	110.1	4.0
3	*5745.00	105.2 AV			1.79 H	164	101.2	4.0
4	#5945.34	50.9 PK	68.2	-17.3	1.79 H	164	46.2	4.7
5	11490.00	47.6 PK	74.0	-26.4	1.71 H	193	32.4	15.2
6	11490.00	35.2 AV	54.0	-18.8	1.71 H	193	20.0	15.2
7	#17235.00	46.6 PK	68.2	-21.6	3.28 H	248	28.7	17.9

Remarks:

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

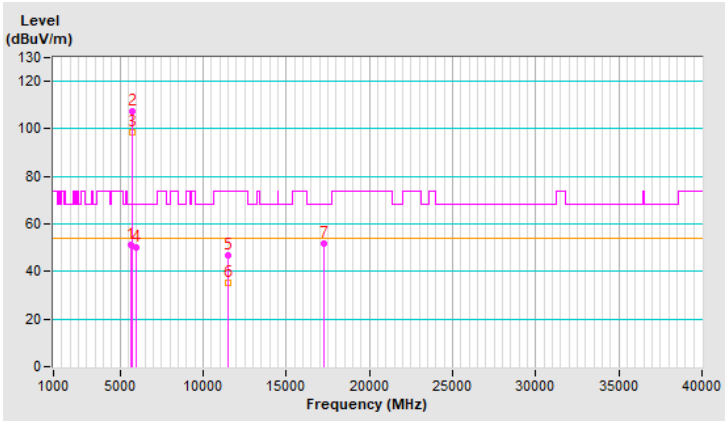


RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.94	51.2 PK	68.2	-17.0	2.81 V	314	47.3	3.9
2	*5745.00	107.5 PK			2.81 V	314	103.5	4.0
3	*5745.00	98.8 AV			2.81 V	314	94.8	4.0
4	#5936.21	50.0 PK	68.2	-18.2	2.81 V	314	45.4	4.6
5	11490.00	46.8 PK	74.0	-27.2	1.63 V	341	31.6	15.2
6	11490.00	35.4 AV	54.0	-18.6	1.63 V	341	20.2	15.2
7	#17235.00	51.8 PK	68.2	-16.4	1.66 V	227	33.9	17.9

Remarks:

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

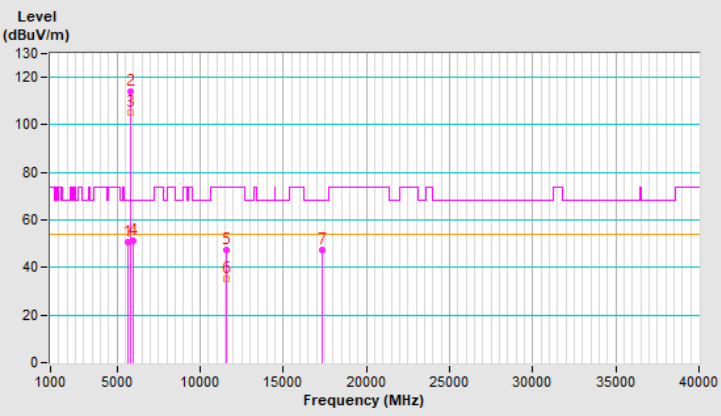


RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.00	50.9 PK	68.2	-17.3	1.78 H	165	47.0	3.9
2	*5785.00	113.9 PK			1.78 H	165	109.7	4.2
3	*5785.00	105.3 AV			1.78 H	165	101.1	4.2
4	#5945.00	51.0 PK	68.2	-17.2	1.78 H	165	46.3	4.7
5	11570.00	47.4 PK	74.0	-26.6	1.79 H	180	32.5	14.9
6	11570.00	35.1 AV	54.0	-18.9	1.79 H	180	20.2	14.9
7	#17355.00	47.4 PK	68.2	-20.8	3.30 H	258	28.3	19.1

Remarks:

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

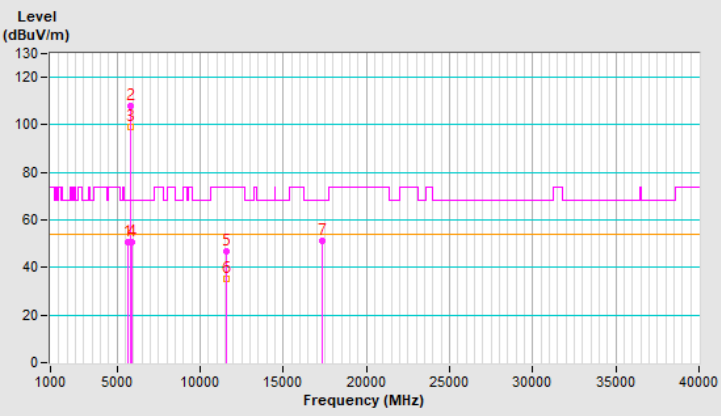


RF Mode	802.11a	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5632.84	50.6 PK	68.2	-17.6	2.81 V	320	46.6	4.0
2	*5785.00	107.8 PK			2.81 V	320	103.6	4.2
3	*5785.00	99.0 AV			2.81 V	320	94.8	4.2
4	#5925.12	50.7 PK	68.2	-17.5	2.81 V	320	46.1	4.6
5	11570.00	46.8 PK	74.0	-27.2	1.63 V	360	31.9	14.9
6	11570.00	35.0 AV	54.0	-19.0	1.63 V	360	20.1	14.9
7	#17355.00	51.3 PK	68.2	-16.9	1.68 V	239	32.2	19.1

Remarks:

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

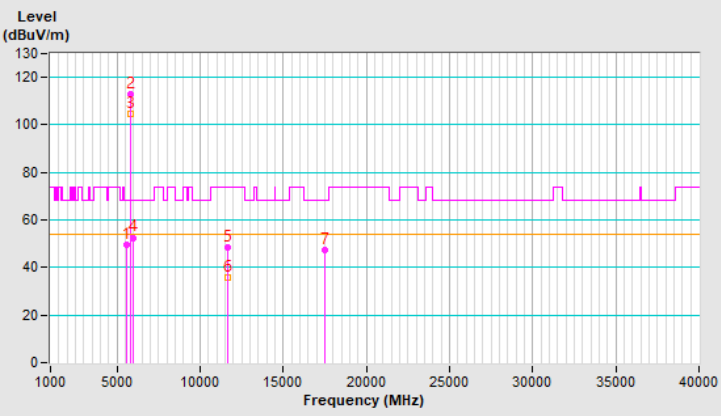


RF Mode	802.11a	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5605.62	49.7 PK	68.2	-18.5	1.89 H	172	45.9	3.8
2	*5825.00	113.0 PK			1.89 H	172	108.7	4.3
3	*5825.00	104.4 AV			1.89 H	172	100.1	4.3
4	#5985.73	52.6 PK	68.2	-15.6	1.89 H	172	47.9	4.7
5	11650.00	48.6 PK	74.0	-25.4	1.72 H	197	34.0	14.6
6	11650.00	35.9 AV	54.0	-18.1	1.72 H	197	21.3	14.6
7	#17475.00	47.2 PK	68.2	-21.0	3.26 H	242	26.7	20.5

Remarks:

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

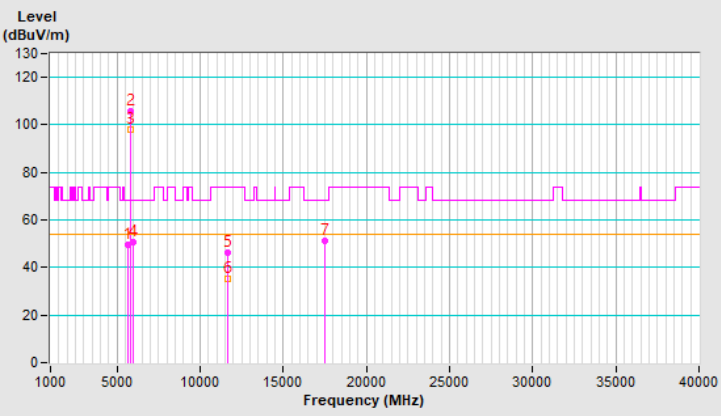


RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.00	49.4 PK	68.2	-18.8	2.50 V	171	45.5	3.9
2	*5825.00	105.6 PK			2.50 V	171	101.3	4.3
3	*5825.00	97.8 AV			2.50 V	171	93.5	4.3
4	#5937.00	50.7 PK	68.2	-17.5	2.50 V	171	46.1	4.6
5	11650.00	46.5 PK	74.0	-27.5	1.67 V	352	31.9	14.6
6	11650.00	35.2 AV	54.0	-18.8	1.67 V	352	20.6	14.6
7	#17475.00	51.3 PK	68.2	-16.9	1.76 V	242	30.8	20.5

Remarks:

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

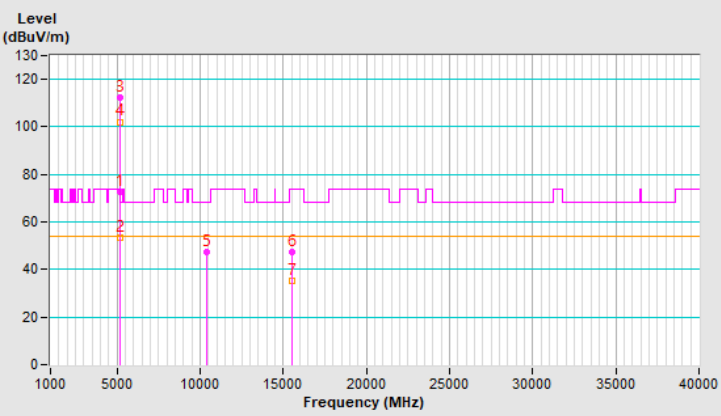


RF Mode	802.11ax (HE20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	72.6 PK	74.0	-1.4	2.04 H	143	69.0	3.6
2	5150.00	53.6 AV	54.0	-0.4	2.04 H	143	50.0	3.6
3	*5180.00	112.1 PK			2.04 H	143	108.7	3.4
4	*5180.00	102.2 AV			2.04 H	143	98.8	3.4
5	#10360.00	47.4 PK	68.2	-20.8	1.71 H	187	33.6	13.8
6	15540.00	47.1 PK	74.0	-26.9	3.22 H	254	31.6	15.5
7	15540.00	35.4 AV	54.0	-18.6	3.22 H	254	19.9	15.5

Remarks:

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

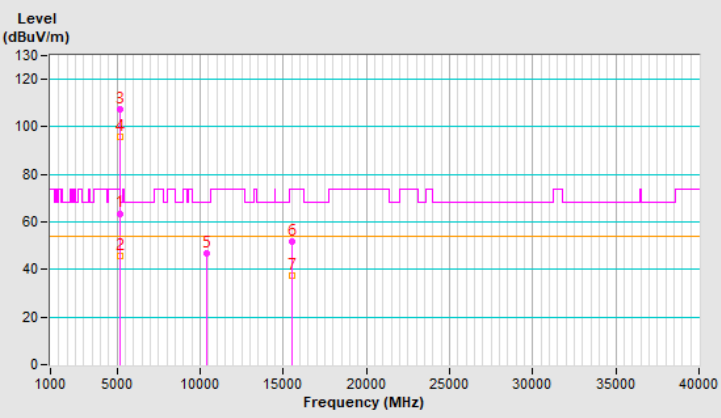


RF Mode	802.11ax (HE20)	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	63.6 PK	74.0	-10.4	1.00 V	48	60.0	3.6
2	5150.00	45.5 AV	54.0	-8.5	1.00 V	48	41.9	3.6
3	*5180.00	107.6 PK			1.00 V	48	104.2	3.4
4	*5180.00	95.7 AV			1.00 V	48	92.3	3.4
5	#10360.00	46.6 PK	68.2	-21.6	1.67 V	348	32.8	13.8
6	15540.00	51.7 PK	74.0	-22.3	1.73 V	242	36.2	15.5
7	15540.00	37.5 AV	54.0	-16.5	1.73 V	242	22.0	15.5

Remarks:

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

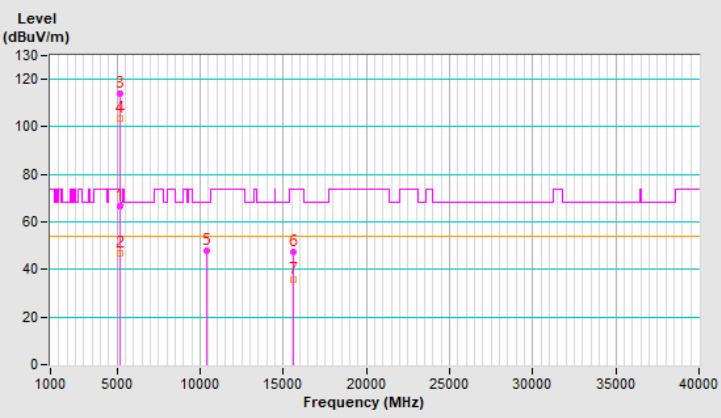


RF Mode	802.11ax (HE20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	66.7 PK	74.0	-7.3	2.11 H	146	63.1	3.6
2	5150.00	46.7 AV	54.0	-7.3	2.11 H	146	43.1	3.6
3	*5200.00	114.1 PK			2.11 H	146	110.7	3.4
4	*5200.00	103.5 AV			2.11 H	146	100.1	3.4
5	#10400.00	48.0 PK	68.2	-20.2	1.78 H	196	34.0	14.0
6	15600.00	47.4 PK	74.0	-26.6	3.20 H	239	31.8	15.6
7	15600.00	35.8 AV	54.0	-18.2	3.20 H	239	20.2	15.6

Remarks:

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

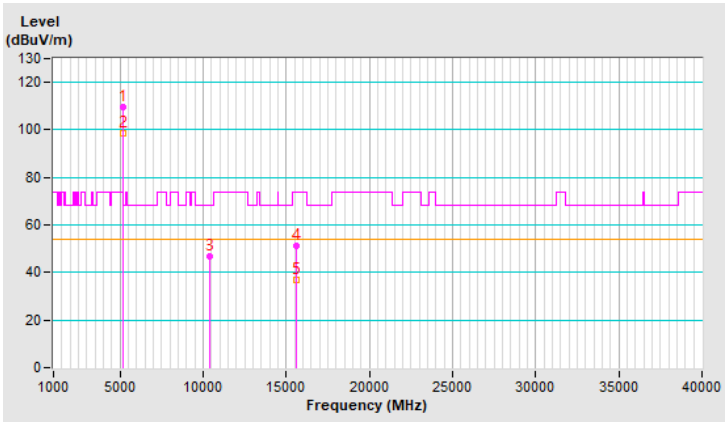


RF Mode	802.11ax (HE20)	**Channel**	CH 40：5200 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	109.8 PK			1.00 V	49	106.4	3.4
2	*5200.00	98.5 AV			1.00 V	49	95.1	3.4
3	#10400.00	47.0 PK	68.2	-21.2	1.58 V	359	33.0	14.0
4	15600.00	51.1 PK	74.0	-22.9	1.68 V	238	35.5	15.6
5	15600.00	36.9 AV	54.0	-17.1	1.68 V	238	21.3	15.6

Remarks:

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

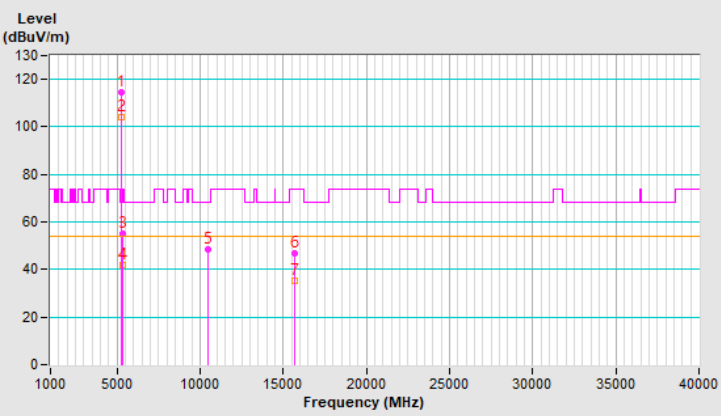


RF Mode	802.11ax (HE20)	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	114.5 PK			1.89 H	177	111.2	3.3
2	*5240.00	104.2 AV			1.89 H	177	100.9	3.3
3	5350.00	54.9 PK	74.0	-19.1	1.89 H	177	51.6	3.3
4	5350.00	42.0 AV	54.0	-12.0	1.89 H	177	38.7	3.3
5	#10480.00	48.2 PK	68.2	-20.0	1.74 H	172	34.1	14.1
6	15720.00	46.8 PK	74.0	-27.2	3.21 H	250	32.9	13.9
7	15720.00	35.2 AV	54.0	-18.8	3.21 H	250	21.3	13.9

Remarks:

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

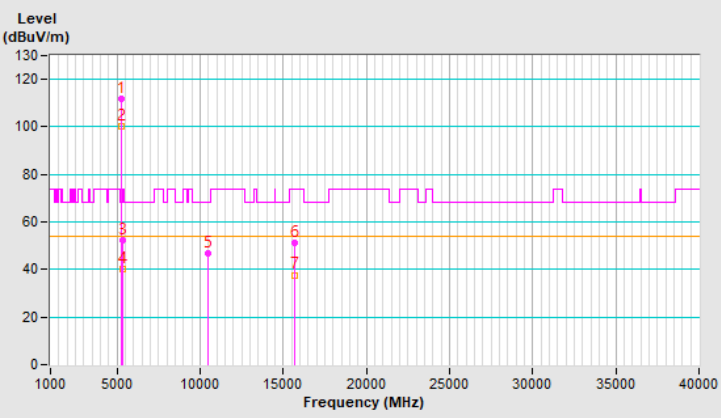


RF Mode	802.11ax (HE20)	**Channel**	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	111.6 PK			3.34 V	360	108.3	3.3
2	*5240.00	100.2 AV			3.34 V	360	96.9	3.3
3	5350.00	52.2 PK	74.0	-21.8	3.34 V	360	48.9	3.3
4	5350.00	40.2 AV	54.0	-13.8	3.34 V	360	36.9	3.3
5	#10480.00	46.9 PK	68.2	-21.3	1.67 V	360	32.8	14.1
6	15720.00	51.4 PK	74.0	-22.6	1.77 V	213	37.5	13.9
7	15720.00	37.7 AV	54.0	-16.3	1.77 V	213	23.8	13.9

Remarks:

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

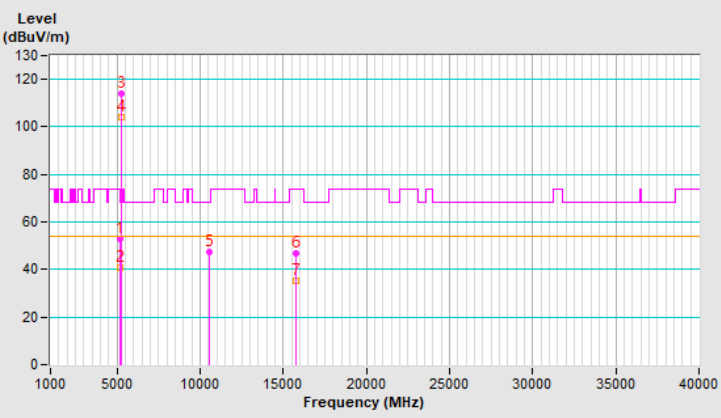


RF Mode	802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.0 PK	74.0	-21.0	1.84 H	177	49.4	3.6
2	5150.00	40.7 AV	54.0	-13.3	1.84 H	177	37.1	3.6
3	*5260.00	114.1 PK			1.84 H	177	111.0	3.1
4	*5260.00	104.2 AV			1.84 H	177	101.1	3.1
5	#10520.00	47.6 PK	68.2	-20.6	1.76 H	174	33.5	14.1
6	15780.00	46.8 PK	74.0	-27.2	3.23 H	232	32.7	14.1
7	15780.00	35.2 AV	54.0	-18.8	3.23 H	232	21.1	14.1

Remarks:

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

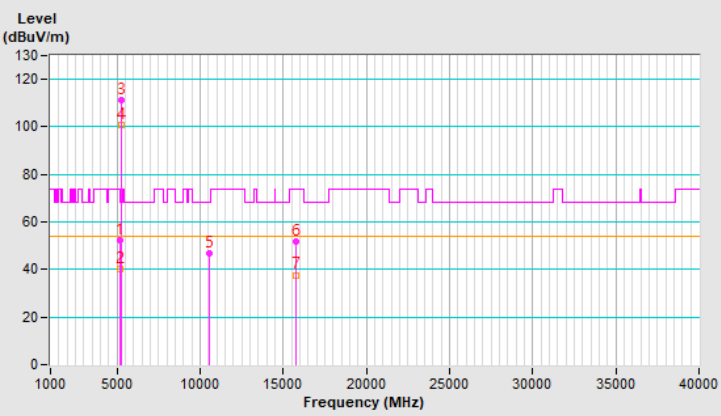


RF Mode	802.11ax (HE20)	Channel	CH 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.3 PK	74.0	-21.7	3.32 V	358	48.7	3.6
2	5150.00	40.0 AV	54.0	-14.0	3.32 V	358	36.4	3.6
3	*5260.00	111.4 PK			3.32 V	358	108.3	3.1
4	*5260.00	101.0 AV			3.32 V	358	97.9	3.1
5	#10520.00	46.8 PK	68.2	-21.4	1.66 V	349	32.7	14.1
6	15780.00	51.8 PK	74.0	-22.2	1.68 V	227	37.7	14.1
7	15780.00	37.7 AV	54.0	-16.3	1.68 V	227	23.6	14.1

Remarks:

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

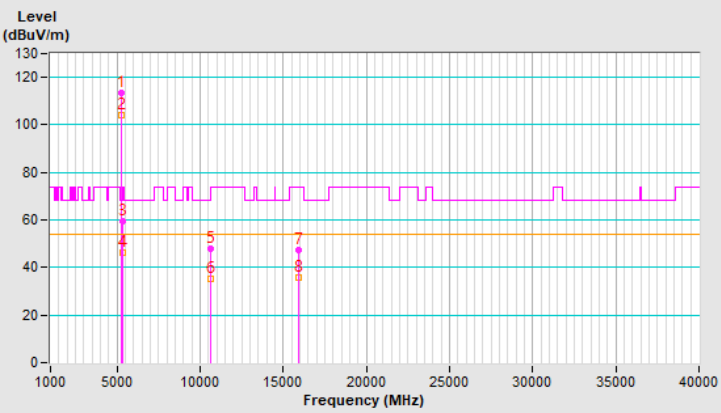


RF Mode	802.11ax (HE20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	113.4 PK			1.83 H	148	110.3	3.1
2	*5300.00	104.1 AV			1.83 H	148	101.0	3.1
3	5351.00	59.5 PK	74.0	-14.5	1.83 H	148	56.2	3.3
4	5351.00	46.4 AV	54.0	-7.6	1.83 H	148	43.1	3.3
5	10600.00	47.8 PK	74.0	-26.2	1.76 H	174	34.1	13.7
6	10600.00	35.2 AV	54.0	-18.8	1.76 H	174	21.5	13.7
7	15900.00	47.5 PK	74.0	-26.5	3.27 H	257	33.4	14.1
8	15900.00	35.7 AV	54.0	-18.3	3.27 H	257	21.6	14.1

Remarks:

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

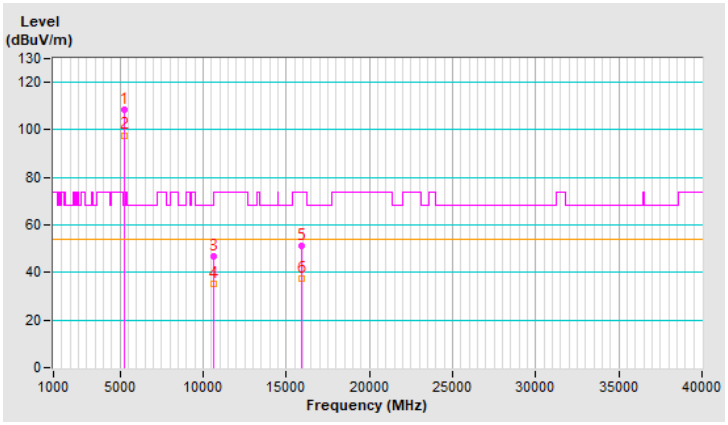


RF Mode	802.11ax (HE20)	**Channel**	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	108.3 PK			1.10 V	19	105.2	3.1
2	*5300.00	97.8 AV			1.10 V	19	94.7	3.1
3	10600.00	46.8 PK	74.0	-27.2	1.62 V	352	33.1	13.7
4	10600.00	35.3 AV	54.0	-18.7	1.62 V	352	21.6	13.7
5	15900.00	51.3 PK	74.0	-22.7	1.72 V	227	37.2	14.1
6	15900.00	37.3 AV	54.0	-16.7	1.72 V	227	23.2	14.1

Remarks:

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

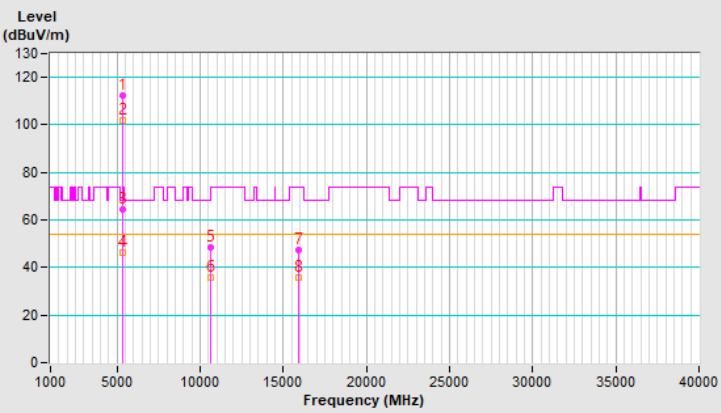


RF Mode	802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.5 PK			2.02 H	176	109.3	3.2
2	*5320.00	101.7 AV			2.02 H	176	98.5	3.2
3	5350.00	64.6 PK	74.0	-9.4	2.02 H	176	61.3	3.3
4	5350.00	46.1 AV	54.0	-7.9	2.02 H	176	42.8	3.3
5	10640.00	48.4 PK	74.0	-25.6	1.76 H	194	34.7	13.7
6	10640.00	36.0 AV	54.0	-18.0	1.76 H	194	22.3	13.7
7	15960.00	47.2 PK	74.0	-26.8	3.31 H	250	32.7	14.5
8	15960.00	35.8 AV	54.0	-18.2	3.31 H	250	21.3	14.5

Remarks:

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

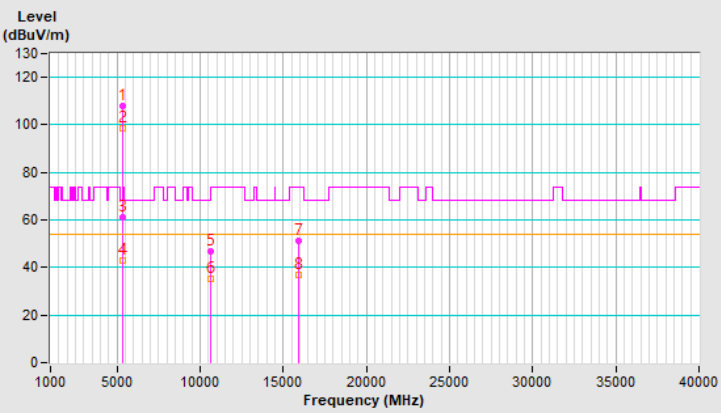


RF Mode	802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	108.1 PK			3.25 V	356	104.9	3.2
2	*5320.00	98.7 AV			3.25 V	356	95.5	3.2
3	5350.00	61.2 PK	74.0	-12.8	3.25 V	356	57.9	3.3
4	5350.00	43.1 AV	54.0	-10.9	3.25 V	356	39.8	3.3
5	10640.00	46.8 PK	74.0	-27.2	1.61 V	341	33.1	13.7
6	10640.00	35.2 AV	54.0	-18.8	1.61 V	341	21.5	13.7
7	15960.00	51.0 PK	74.0	-23.0	1.71 V	217	36.5	14.5
8	15960.00	37.0 AV	54.0	-17.0	1.71 V	217	22.5	14.5

Remarks:

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

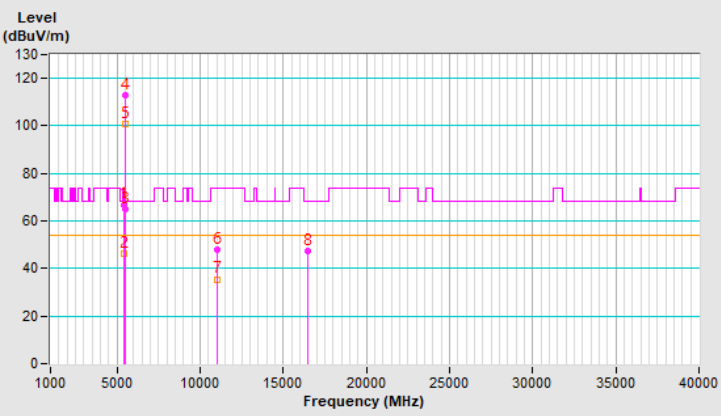


RF Mode	802.11ax (HE20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	66.9 PK	74.0	-7.1	1.75 H	176	63.4	3.5
2	5460.00	46.4 AV	54.0	-7.6	1.75 H	176	42.9	3.5
3	#5470.00	65.1 PK	68.2	-3.1	1.75 H	176	61.6	3.5
4	*5500.00	112.7 PK			1.75 H	176	109.2	3.5
5	*5500.00	100.8 AV			1.75 H	176	97.3	3.5
6	11000.00	47.8 PK	74.0	-26.2	1.88 H	176	33.6	14.2
7	11000.00	35.5 AV	54.0	-18.5	1.88 H	176	21.3	14.2
8	#16500.00	47.5 PK	68.2	-20.7	3.25 H	233	31.5	16.0

Remarks:

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

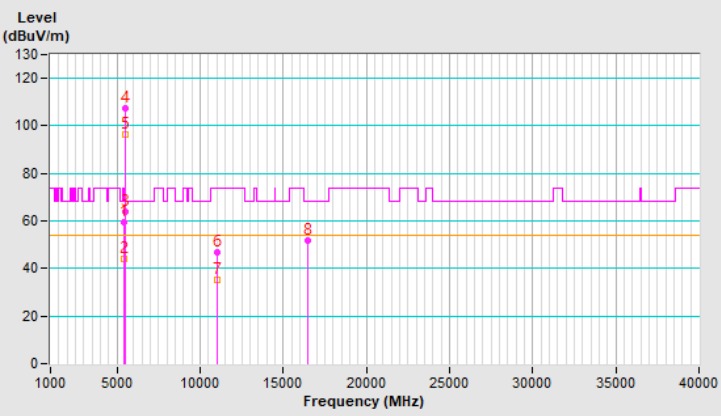


RF Mode	802.11ax (HE20)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	59.5 PK	74.0	-14.5	3.06 V	28	56.0	3.5
2	5460.00	43.8 AV	54.0	-10.2	3.06 V	28	40.3	3.5
3	#5470.00	63.7 PK	68.2	-4.5	3.06 V	28	60.2	3.5
4	*5500.00	107.5 PK			3.06 V	28	104.0	3.5
5	*5500.00	96.5 AV			3.06 V	28	93.0	3.5
6	11000.00	46.6 PK	74.0	-27.4	1.64 V	352	32.4	14.2
7	11000.00	35.3 AV	54.0	-18.7	1.64 V	352	21.1	14.2
8	#16500.00	51.9 PK	68.2	-16.3	1.73 V	221	35.9	16.0

Remarks:

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

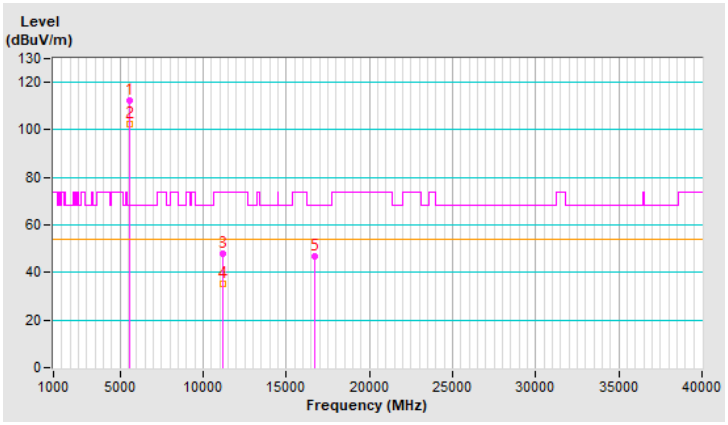


RF Mode	802.11ax (HE20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5580.00	112.4 PK			1.96 H	171	108.6	3.8
2	*5580.00	102.5 AV			1.96 H	171	98.7	3.8
3	11160.00	47.9 PK	74.0	-26.1	1.80 H	182	33.5	14.4
4	11160.00	35.3 AV	54.0	-18.7	1.80 H	182	20.9	14.4
5	#16740.00	46.8 PK	68.2	-21.4	3.24 H	234	29.2	17.6

Remarks:

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

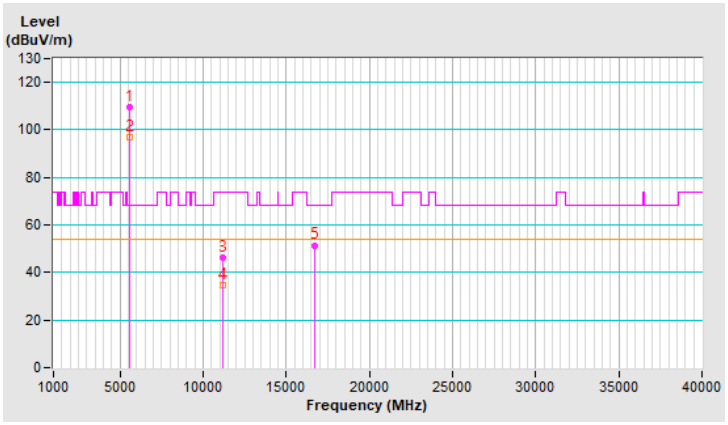


RF Mode	802.11ax (HE20)	**Channel**	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	109.7 PK			3.40 V	360	105.9	3.8
2	*5580.00	97.0 AV			3.40 V	360	93.2	3.8
3	11160.00	46.5 PK	74.0	-27.5	1.67 V	360	32.1	14.4
4	11160.00	34.9 AV	54.0	-19.1	1.67 V	360	20.5	14.4
5	#16740.00	51.5 PK	68.2	-16.7	1.72 V	241	33.9	17.6

Remarks:

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

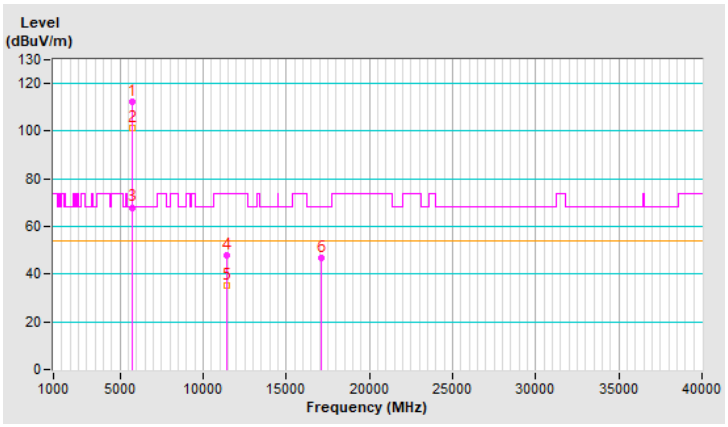


RF Mode	802.11ax (HE20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	112.3 PK			1.93 H	170	108.4	3.9
2	*5700.00	101.1 AV			1.93 H	170	97.2	3.9
3	**#5725.00**	**68.0 PK**	**68.2**	**-0.2**	**1.93 H**	**170**	**64.0**	**4.0**
4	11400.00	47.8 PK	74.0	-26.2	1.77 H	180	32.8	15.0
5	11400.00	35.3 AV	54.0	-18.7	1.77 H	180	20.3	15.0
6	#17100.00	47.0 PK	68.2	-21.2	3.29 H	263	29.2	17.8

Remarks:

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

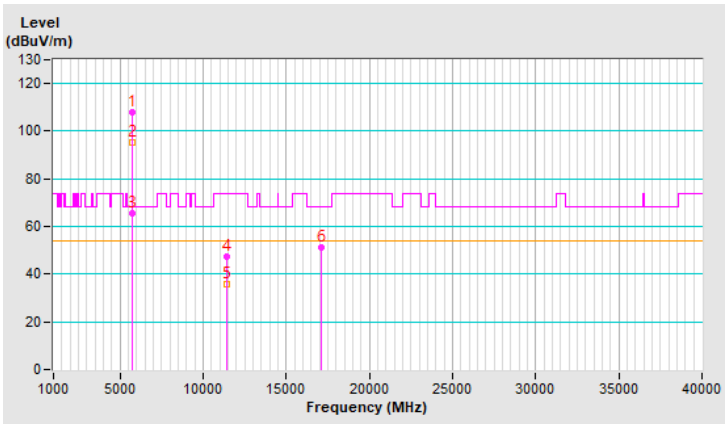


RF Mode	802.11ax (HE20)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	108.0 PK			3.41 V	360	104.1	3.9
2	*5700.00	95.1 AV			3.41 V	360	91.2	3.9
3	#5725.00	65.6 PK	68.2	-2.6	3.41 V	360	61.6	4.0
4	11400.00	47.4 PK	74.0	-26.6	1.67 V	346	32.4	15.0
5	11400.00	35.7 AV	54.0	-18.3	1.67 V	346	20.7	15.0
6	#17100.00	51.1 PK	68.2	-17.1	1.71 V	234	33.3	17.8

Remarks:

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

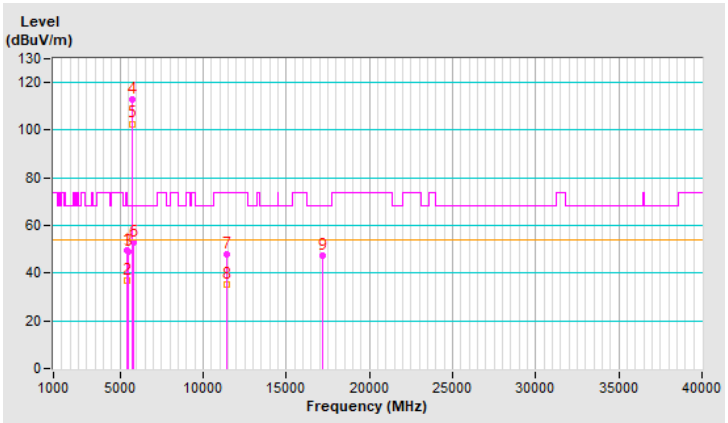


RF Mode	802.11ax (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	49.6 PK	74.0	-24.4	1.79 H	162	46.1	3.5
2	5460.00	36.9 AV	54.0	-17.1	1.79 H	162	33.4	3.5
3	#5470.00	49.1 PK	68.2	-19.1	1.79 H	162	45.6	3.5
4	*5720.00	112.8 PK			1.79 H	162	108.8	4.0
5	*5720.00	102.7 AV			1.79 H	162	98.7	4.0
6	#5850.00	52.8 PK	68.2	-15.4	1.79 H	162	48.5	4.3
7	11440.00	47.9 PK	74.0	-26.1	1.71 H	175	32.9	15.0
8	11440.00	35.2 AV	54.0	-18.8	1.71 H	175	20.2	15.0
9	#17160.00	47.1 PK	68.2	-21.1	3.21 H	251	29.6	17.5

Remarks:

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

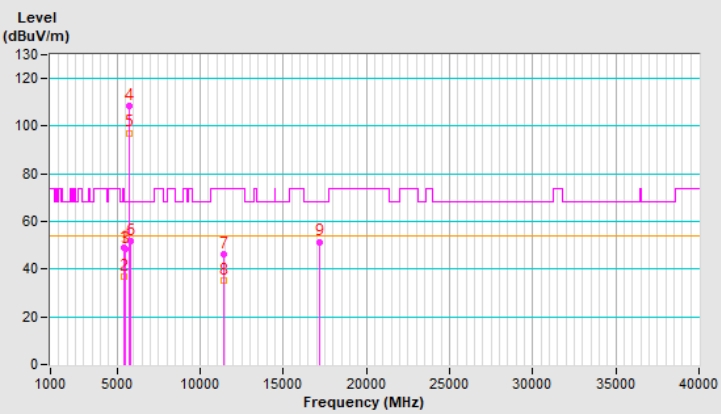


RF Mode	802.11ax (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	49.1 PK	74.0	-24.9	2.86 V	26	45.6	3.5
2	5460.00	36.7 AV	54.0	-17.3	2.86 V	26	33.2	3.5
3	#5470.00	48.5 PK	68.2	-19.7	2.86 V	26	45.0	3.5
4	*5720.00	108.6 PK			2.86 V	26	104.6	4.0
5	*5720.00	97.2 AV			2.86 V	26	93.2	4.0
6	#5850.00	51.7 PK	68.2	-16.5	2.86 V	26	47.4	4.3
7	11440.00	46.5 PK	74.0	-27.5	1.60 V	355	31.5	15.0
8	11440.00	35.0 AV	54.0	-19.0	1.60 V	355	20.0	15.0
9	#17160.00	51.5 PK	68.2	-16.7	1.76 V	238	34.0	17.5

Remarks:

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

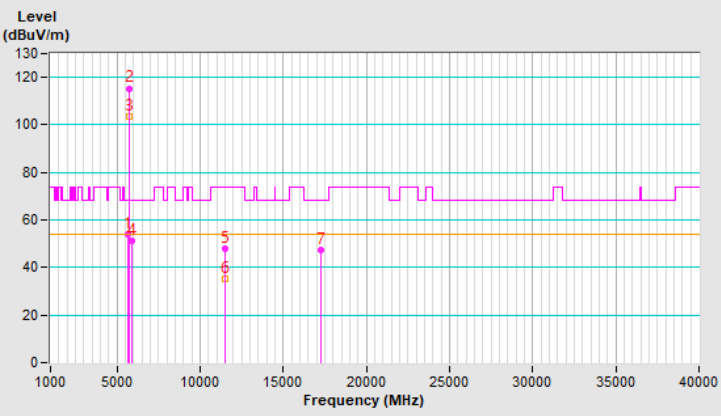


RF Mode	802.11ax (HE20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.00	54.1 PK	68.2	-14.1	1.95 H	175	50.2	3.9
2	*5745.00	115.4 PK			1.95 H	175	111.4	4.0
3	*5745.00	103.6 AV			1.95 H	175	99.6	4.0
4	#5933.00	51.4 PK	68.2	-16.8	1.95 H	175	46.8	4.6
5	11490.00	47.7 PK	74.0	-26.3	1.74 H	190	32.5	15.2
6	11490.00	35.2 AV	54.0	-18.8	1.74 H	190	20.0	15.2
7	#17235.00	47.1 PK	68.2	-21.1	3.22 H	240	29.2	17.9

Remarks:

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

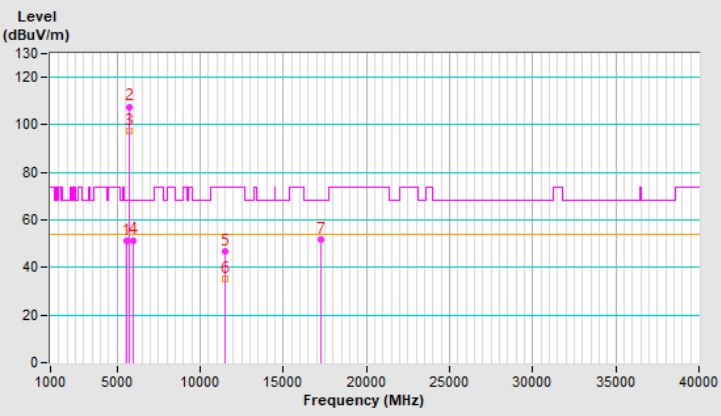


RF Mode	802.11ax (HE20)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5601.00	51.0 PK	68.2	-17.2	2.95 V	24	47.2	3.8
2	*5745.00	107.7 PK			2.95 V	24	103.7	4.0
3	*5745.00	97.5 AV			2.95 V	24	93.5	4.0
4	#5941.00	51.5 PK	68.2	-16.7	2.95 V	24	46.9	4.6
5	11490.00	47.0 PK	74.0	-27.0	1.61 V	360	31.8	15.2
6	11490.00	35.2 AV	54.0	-18.8	1.61 V	360	20.0	15.2
7	#17235.00	51.6 PK	68.2	-16.6	1.72 V	218	33.7	17.9

Remarks:

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

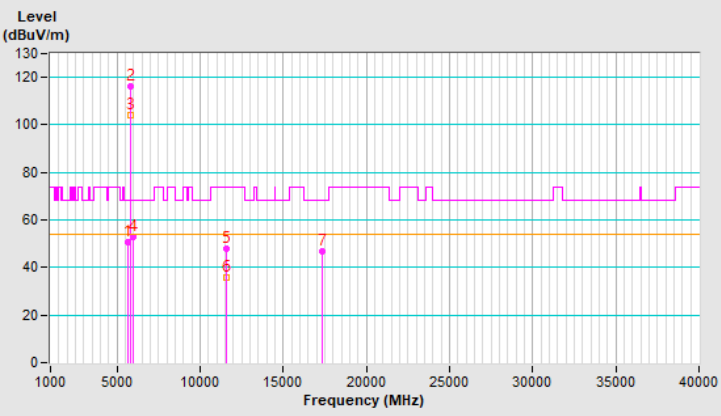


RF Mode	802.11ax (HE20)	**Channel**	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5627.00	50.8 PK	68.2	-17.4	1.79 H	175	46.9	3.9
2	*5785.00	116.4 PK			1.79 H	175	112.2	4.2
3	*5785.00	104.0 AV			1.79 H	175	99.8	4.2
4	#5941.00	52.7 PK	68.2	-15.5	1.79 H	175	48.1	4.6
5	11570.00	48.0 PK	74.0	-26.0	1.78 H	179	33.1	14.9
6	11570.00	35.7 AV	54.0	-18.3	1.78 H	179	20.8	14.9
7	#17355.00	46.9 PK	68.2	-21.3	3.27 H	252	27.8	19.1

Remarks:

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

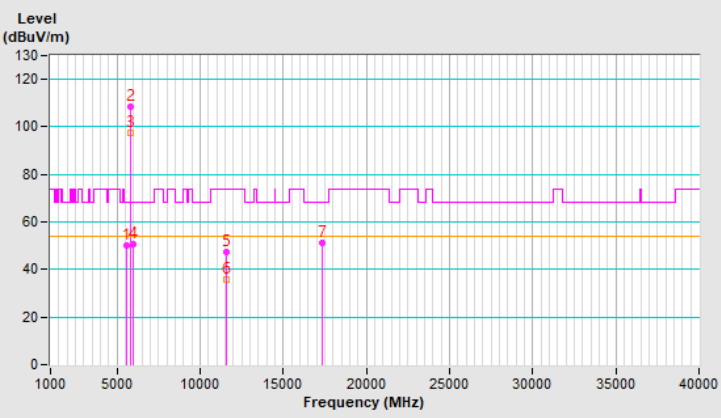


RF Mode	802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5601.00	50.2 PK	68.2	-18.0	2.93 V	311	46.4	3.8
2	*5785.00	108.5 PK			2.93 V	311	104.3	4.2
3	*5785.00	97.5 AV			2.93 V	311	93.3	4.2
4	#5941.00	50.7 PK	68.2	-17.5	2.93 V	311	46.1	4.6
5	11570.00	47.2 PK	74.0	-26.8	1.62 V	360	32.3	14.9
6	11570.00	35.7 AV	54.0	-18.3	1.62 V	360	20.8	14.9
7	#17355.00	51.0 PK	68.2	-17.2	1.67 V	213	31.9	19.1

Remarks:

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

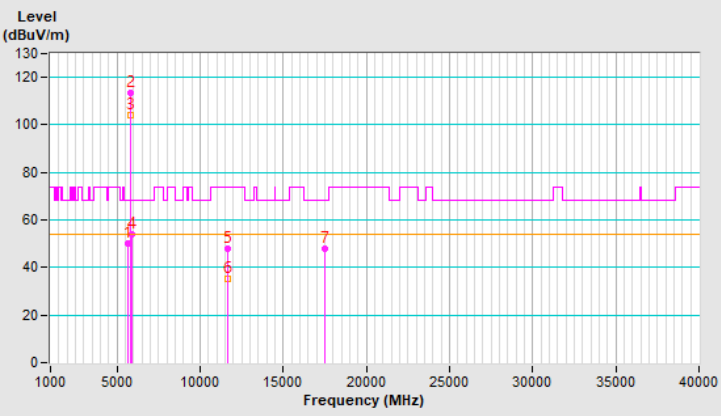


RF Mode	802.11ax (HE20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5631.00	50.0 PK	68.2	-18.2	1.00 H	0	46.0	4.0
2	*5825.00	113.4 PK			1.92 H	178	109.1	4.3
3	*5825.00	104.1 AV			1.92 H	178	99.8	4.3
4	#5933.00	53.8 PK	68.2	-14.4	1.00 H	0	49.2	4.6
5	11650.00	47.8 PK	74.0	-26.2	1.76 H	192	33.2	14.6
6	11650.00	35.2 AV	54.0	-18.8	1.76 H	192	20.6	14.6
7	#17475.00	47.7 PK	68.2	-20.5	3.30 H	263	27.2	20.5

Remarks:

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

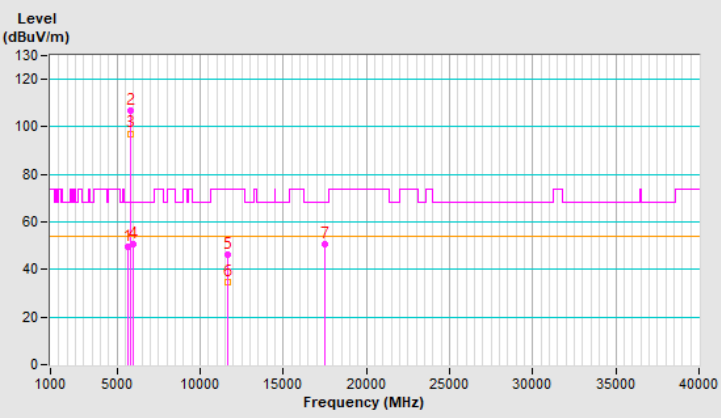


RF Mode	802.11ax (HE20)	**Channel**	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5649.00	49.4 PK	68.2	-18.8	2.88 V	27	45.5	3.9
2	*5825.00	106.7 PK			2.88 V	27	102.4	4.3
3	*5825.00	97.2 AV			2.88 V	27	92.9	4.3
4	#5939.00	50.8 PK	68.2	-17.4	2.88 V	27	46.2	4.6
5	11650.00	46.5 PK	74.0	-27.5	1.64 V	355	31.9	14.6
6	11650.00	34.9 AV	54.0	-19.1	1.64 V	355	20.3	14.6
7	#17475.00	50.7 PK	68.2	-17.5	1.74 V	237	30.2	20.5

Remarks:

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

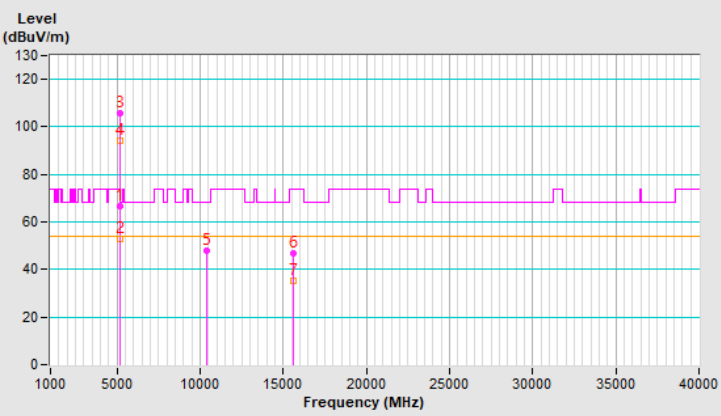


RF Mode	802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.7 PK	74.0	-7.3	1.89 H	146	63.1	3.6
2	5150.00	52.9 AV	54.0	-1.1	1.89 H	146	49.3	3.6
3	*5190.00	105.7 PK			1.89 H	146	102.3	3.4
4	*5190.00	94.2 AV			1.89 H	146	90.8	3.4
5	#10380.00	47.9 PK	68.2	-20.3	1.77 H	173	34.0	13.9
6	15570.00	47.0 PK	74.0	-27.0	3.27 H	257	31.5	15.5
7	15570.00	35.4 AV	54.0	-18.6	3.27 H	257	19.9	15.5

Remarks:

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

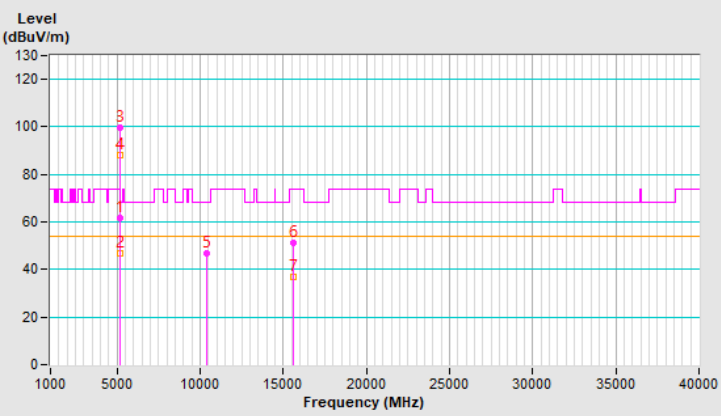


RF Mode	802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (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	61.8 PK	74.0	-12.2	1.00 V	46	58.2	3.6
2	5150.00	46.8 AV	54.0	-7.2	1.00 V	46	43.2	3.6
3	*5190.00	99.8 PK			1.00 V	46	96.4	3.4
4	*5190.00	88.0 AV			1.00 V	46	84.6	3.4
5	#10380.00	46.9 PK	68.2	-21.3	1.58 V	358	33.0	13.9
6	15570.00	51.1 PK	74.0	-22.9	1.76 V	224	35.6	15.5
7	15570.00	37.1 AV	54.0	-16.9	1.76 V	224	21.6	15.5

Remarks:

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

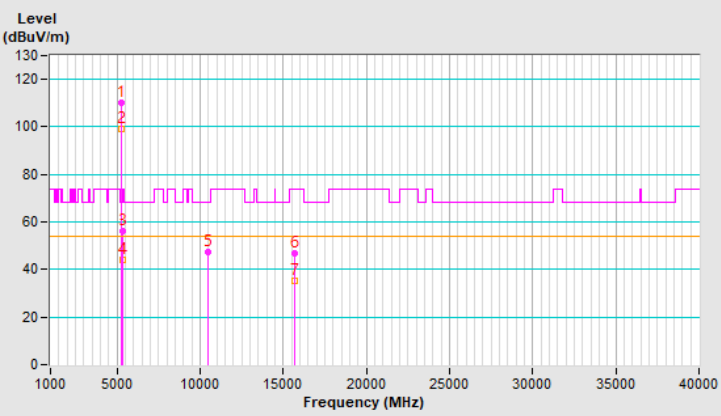


RF Mode	802.11ax (HE40)	**Channel**	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	110.2 PK			2.12 H	145	106.9	3.3
2	*5230.00	99.3 AV			2.12 H	145	96.0	3.3
3	5350.00	56.2 PK	74.0	-17.8	2.12 H	145	52.9	3.3
4	5350.00	43.8 AV	54.0	-10.2	2.12 H	145	40.5	3.3
5	#10460.00	47.6 PK	68.2	-20.6	1.76 H	172	33.5	14.1
6	15690.00	46.9 PK	74.0	-27.1	3.28 H	254	32.9	14.0
7	15690.00	35.4 AV	54.0	-18.6	3.28 H	254	21.4	14.0

Remarks:

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

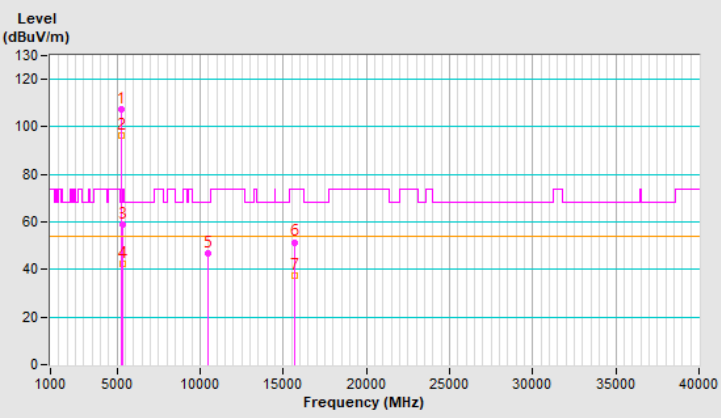


RF Mode	802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	107.3 PK			3.34 V	360	104.0	3.3
2	*5230.00	96.4 AV			3.34 V	360	93.1	3.3
3	5350.00	58.8 PK	74.0	-15.2	3.34 V	360	55.5	3.3
4	5350.00	42.3 AV	54.0	-11.7	3.34 V	360	39.0	3.3
5	#10460.00	46.7 PK	68.2	-21.5	1.68 V	338	32.6	14.1
6	15690.00	51.5 PK	74.0	-22.5	1.74 V	233	37.5	14.0
7	15690.00	37.4 AV	54.0	-16.6	1.74 V	233	23.4	14.0

Remarks:

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

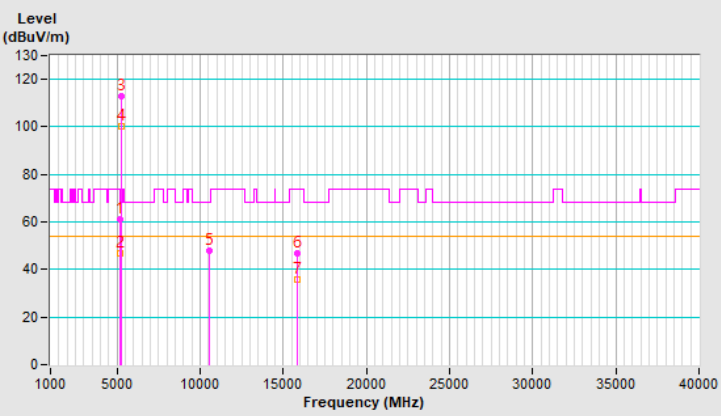


RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	61.3 PK	74.0	-12.7	1.88 H	143	57.7	3.6
2	5150.00	46.7 AV	54.0	-7.3	1.88 H	143	43.1	3.6
3	*5270.00	112.9 PK			1.88 H	143	109.8	3.1
4	*5270.00	100.0 AV			1.88 H	143	96.9	3.1
5	#10540.00	47.7 PK	68.2	-20.5	1.79 H	187	33.7	14.0
6	15810.00	47.0 PK	74.0	-27.0	3.23 H	262	32.9	14.1
7	15810.00	35.6 AV	54.0	-18.4	3.23 H	262	21.5	14.1

Remarks:

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

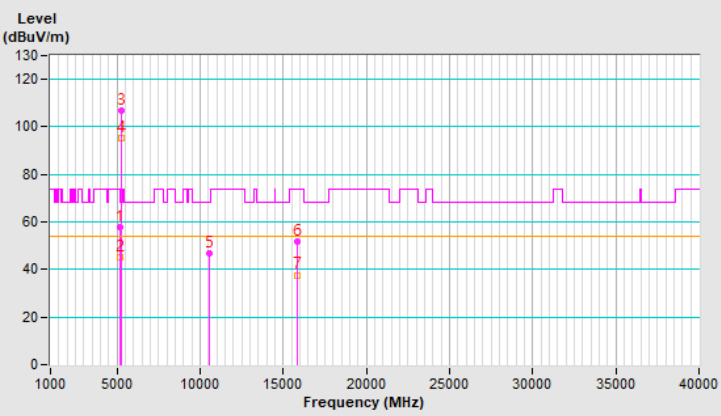


RF Mode	802.11ax (HE40)	**Channel**	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	58.0 PK	74.0	-16.0	3.12 V	360	54.4	3.6
2	5150.00	45.3 AV	54.0	-8.7	3.12 V	360	41.7	3.6
3	*5270.00	106.6 PK			3.12 V	360	103.5	3.1
4	*5270.00	95.3 AV			3.12 V	360	92.2	3.1
5	#10540.00	47.0 PK	68.2	-21.2	1.62 V	339	33.0	14.0
6	15810.00	51.7 PK	74.0	-22.3	1.69 V	215	37.6	14.1
7	15810.00	37.7 AV	54.0	-16.3	1.69 V	215	23.6	14.1

Remarks:

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

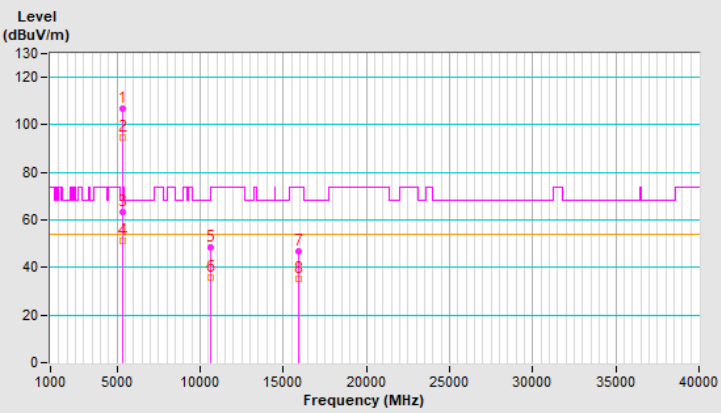


RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.6 PK			1.97 H	142	103.5	3.1
2	*5310.00	94.7 AV			1.97 H	142	91.6	3.1
3	5350.00	63.2 PK	74.0	-10.8	1.97 H	142	59.9	3.3
4	5350.00	51.1 AV	54.0	-2.9	1.97 H	142	47.8	3.3
5	10620.00	48.7 PK	74.0	-25.3	1.76 H	171	35.0	13.7
6	10620.00	35.9 AV	54.0	-18.1	1.76 H	171	22.2	13.7
7	15930.00	46.6 PK	74.0	-27.4	3.20 H	258	32.3	14.3
8	15930.00	35.1 AV	54.0	-18.9	3.20 H	258	20.8	14.3

Remarks:

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

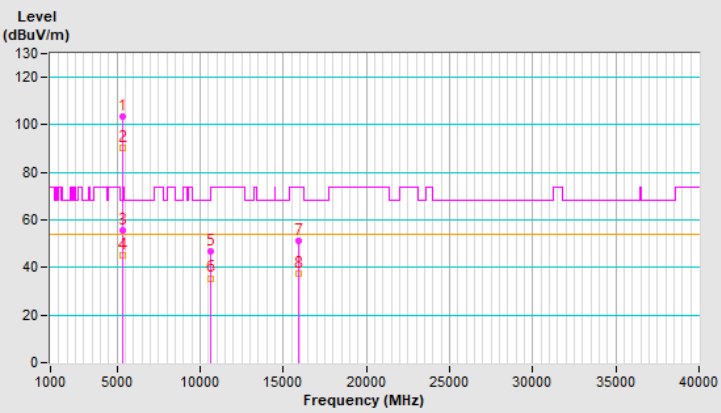


RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	103.3 PK			3.42 V	355	100.2	3.1
2	*5310.00	90.3 AV			3.42 V	355	87.2	3.1
3	5350.00	55.8 PK	74.0	-18.2	3.42 V	355	52.5	3.3
4	5350.00	45.4 AV	54.0	-8.6	3.42 V	355	42.1	3.3
5	10620.00	46.9 PK	74.0	-27.1	1.61 V	339	33.2	13.7
6	10620.00	35.5 AV	54.0	-18.5	1.61 V	339	21.8	13.7
7	15930.00	51.4 PK	74.0	-22.6	1.76 V	228	37.1	14.3
8	15930.00	37.3 AV	54.0	-16.7	1.76 V	228	23.0	14.3

Remarks:

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

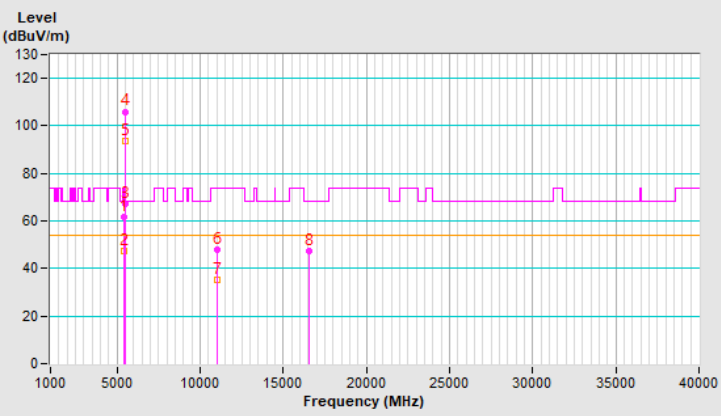


RF Mode	802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.99 H	168	58.3	3.5
2	5460.00	47.2 AV	54.0	-6.8	1.99 H	168	43.7	3.5
3	#5470.00	67.1 PK	68.2	-1.1	1.99 H	168	63.6	3.5
4	*5510.00	106.0 PK			1.99 H	168	102.4	3.6
5	*5510.00	93.7 AV			1.99 H	168	90.1	3.6
6	11020.00	48.0 PK	74.0	-26.0	1.71 H	170	33.7	14.3
7	11020.00	35.3 AV	54.0	-18.7	1.71 H	170	21.0	14.3
8	#16530.00	47.1 PK	68.2	-21.1	3.20 H	258	30.8	16.3

Remarks:

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

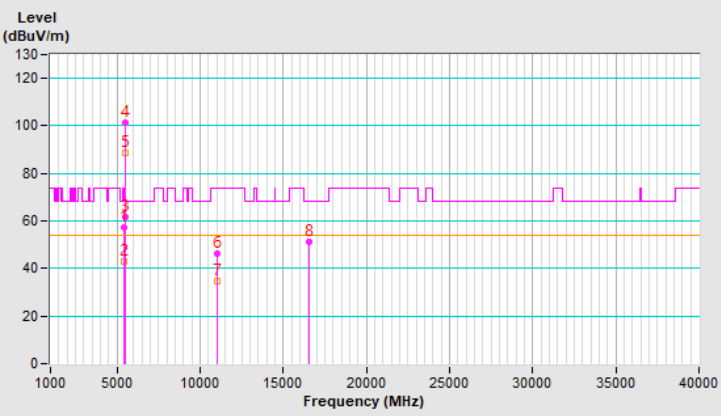


RF Mode	802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.4 PK	74.0	-16.6	3.17 V	26	53.9	3.5
2	5460.00	42.8 AV	54.0	-11.2	3.17 V	26	39.3	3.5
3	#5470.00	61.8 PK	68.2	-6.4	3.17 V	26	58.3	3.5
4	*5510.00	101.4 PK			3.17 V	26	97.8	3.6
5	*5510.00	88.8 AV			3.17 V	26	85.2	3.6
6	11020.00	46.4 PK	74.0	-27.6	1.67 V	357	32.1	14.3
7	11020.00	34.8 AV	54.0	-19.2	1.67 V	357	20.5	14.3
8	#16530.00	51.1 PK	68.2	-17.1	1.73 V	227	34.8	16.3

Remarks:

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

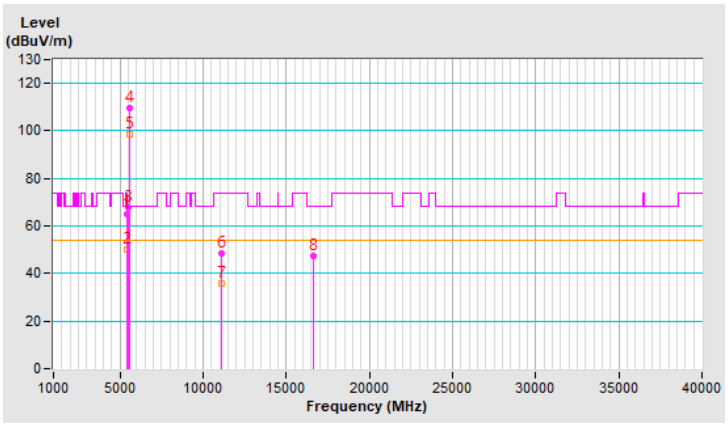


RF Mode	802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5457.00	64.8 PK	74.0	-9.2	2.00 H	170	61.3	3.5
2	5457.00	50.3 AV	54.0	-3.7	2.00 H	170	46.8	3.5
3	#5469.00	67.6 PK	68.2	-0.6	2.00 H	170	64.1	3.5
4	*5550.00	109.7 PK			2.00 H	170	106.1	3.6
5	*5550.00	98.3 AV			2.00 H	170	94.7	3.6
6	11100.00	48.6 PK	74.0	-25.4	1.79 H	188	34.1	14.5
7	11100.00	35.8 AV	54.0	-18.2	1.79 H	188	21.3	14.5
8	#16650.00	47.5 PK	68.2	-20.7	3.22 H	255	30.1	17.4

Remarks:

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

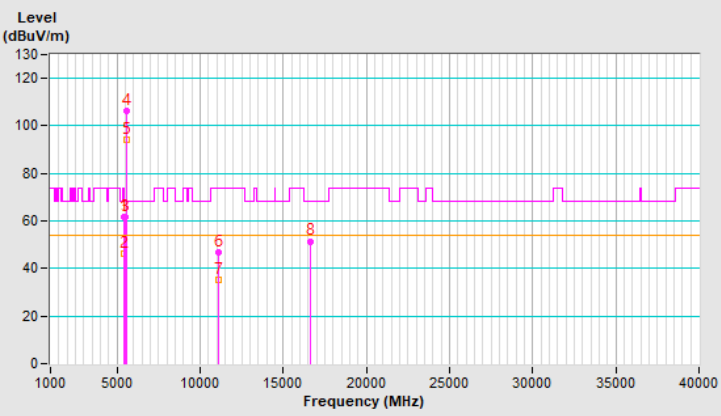


RF Mode	802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5454.00	61.5 PK	74.0	-12.5	3.14 V	67	58.0	3.5
2	5454.00	46.1 AV	54.0	-7.9	3.14 V	67	42.6	3.5
3	#5467.00	61.8 PK	68.2	-6.4	3.14 V	67	58.3	3.5
4	*5550.00	106.0 PK			3.14 V	67	102.4	3.6
5	*5550.00	94.2 AV			3.14 V	67	90.6	3.6
6	11100.00	46.7 PK	74.0	-27.3	1.66 V	337	32.2	14.5
7	11100.00	35.2 AV	54.0	-18.8	1.66 V	337	20.7	14.5
8	#16650.00	51.5 PK	68.2	-16.7	1.74 V	241	34.1	17.4

Remarks:

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

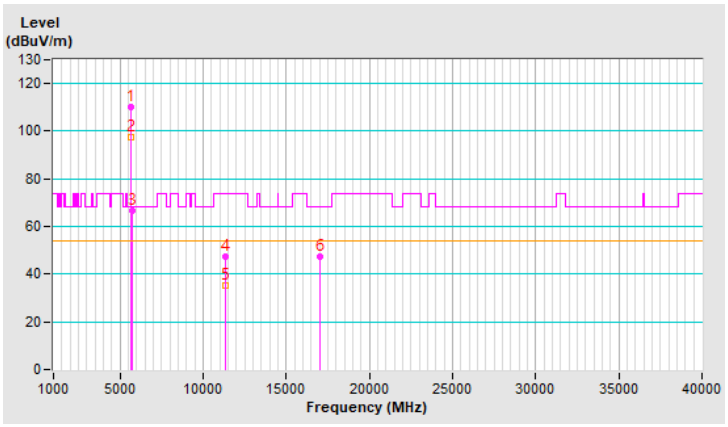


RF Mode	802.11ax (HE40)	**Channel**	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (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	110.2 PK			2.00 H	170	106.3	3.9
2	*5670.00	97.6 AV			2.00 H	170	93.7	3.9
3	#5725.00	66.6 PK	68.2	-1.6	2.00 H	170	62.6	4.0
4	11340.00	47.5 PK	74.0	-26.5	1.72 H	180	32.8	14.7
5	11340.00	35.2 AV	54.0	-18.8	1.72 H	180	20.5	14.7
6	#17010.00	47.4 PK	68.2	-20.8	3.20 H	247	29.1	18.3

Remarks:

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

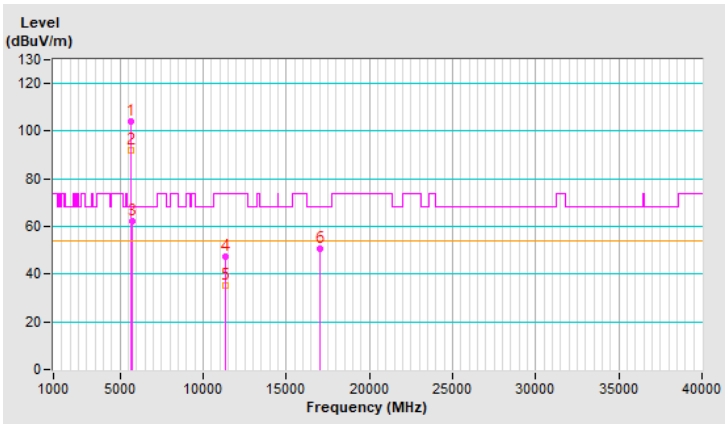


RF Mode	802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	103.8 PK			3.14 V	28	99.9	3.9
2	*5670.00	92.2 AV			3.14 V	28	88.3	3.9
3	#5725.00	62.1 PK	68.2	-6.1	3.14 V	28	58.1	4.0
4	11340.00	47.1 PK	74.0	-26.9	1.57 V	354	32.4	14.7
5	11340.00	35.3 AV	54.0	-18.7	1.57 V	354	20.6	14.7
6	#17010.00	50.6 PK	68.2	-17.6	1.76 V	239	32.3	18.3

Remarks:

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

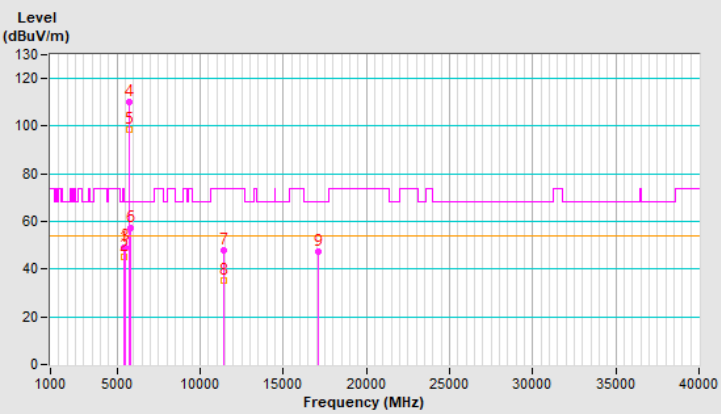


RF Mode	802.11ax (HE40)	**Channel**	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	48.9 PK	74.0	-25.1	1.94 H	174	45.4	3.5
2	5460.00	45.0 AV	54.0	-9.0	1.94 H	174	41.5	3.5
3	#5470.00	49.3 PK	68.2	-18.9	1.94 H	174	45.8	3.5
4	*5710.00	110.3 PK			1.94 H	174	106.3	4.0
5	*5710.00	98.8 AV			1.94 H	174	94.8	4.0
6	#5850.00	57.5 PK	68.2	-10.7	1.94 H	174	53.2	4.3
7	11420.00	47.7 PK	74.0	-26.3	1.77 H	197	32.7	15.0
8	11420.00	35.1 AV	54.0	-18.9	1.77 H	197	20.1	15.0
9	#17130.00	47.2 PK	68.2	-21.0	3.24 H	263	29.5	17.7

Remarks:

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

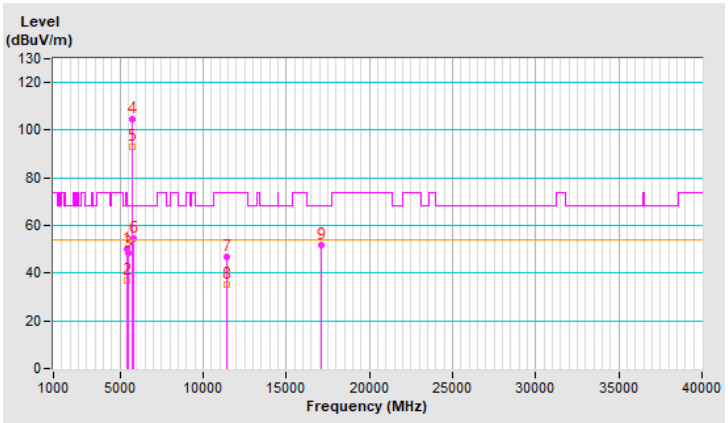


RF Mode	802.11ax (HE40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.0 PK	74.0	-24.0	1.00 V	0	46.5	3.5
2	5460.00	37.0 AV	54.0	-17.0	1.00 V	0	33.5	3.5
3	#5470.00	48.7 PK	68.2	-19.5	1.00 V	0	45.2	3.5
4	*5710.00	104.7 PK			3.00 V	26	100.7	4.0
5	*5710.00	93.1 AV			3.00 V	26	89.1	4.0
6	#5850.00	54.5 PK	68.2	-13.7	1.00 V	0	50.2	4.3
7	11420.00	46.6 PK	74.0	-27.4	1.61 V	360	31.6	15.0
8	11420.00	35.2 AV	54.0	-18.8	1.61 V	360	20.2	15.0
9	#17130.00	51.7 PK	68.2	-16.5	1.68 V	230	34.0	17.7

Remarks:

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

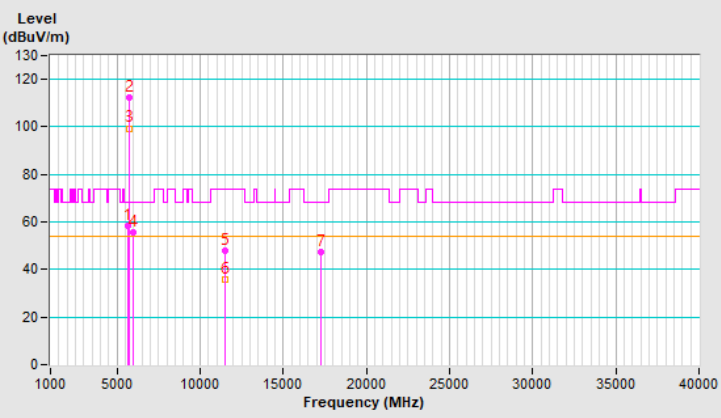


RF Mode	802.11ax (HE40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5647.00	58.5 PK	68.2	-9.7	1.94 H	176	54.6	3.9
2	*5755.00	112.2 PK			1.94 H	176	108.1	4.1
3	*5755.00	99.4 AV			1.94 H	176	95.3	4.1
4	#5947.00	55.7 PK	68.2	-12.5	1.94 H	176	51.0	4.7
5	11510.00	47.9 PK	74.0	-26.1	1.76 H	189	32.8	15.1
6	11510.00	35.6 AV	54.0	-18.4	1.76 H	189	20.5	15.1
7	#17265.00	47.5 PK	68.2	-20.7	3.29 H	254	29.1	18.4

Remarks:

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

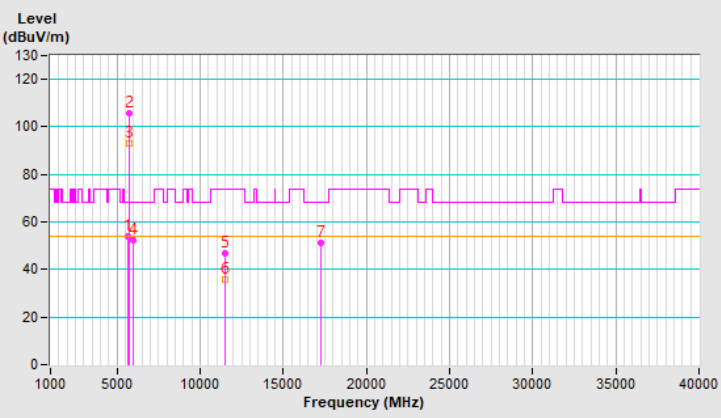


RF Mode	802.11ax (HE40)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5636.78	54.2 PK	68.2	-14.0	2.93 V	24	50.3	3.9
2	*5755.00	105.7 PK			2.93 V	24	101.6	4.1
3	*5755.00	93.3 AV			2.93 V	24	89.2	4.1
4	#5943.37	52.3 PK	68.2	-15.9	2.93 V	24	47.6	4.7
5	11510.00	46.9 PK	74.0	-27.1	1.65 V	360	31.8	15.1
6	11510.00	35.7 AV	54.0	-18.3	1.65 V	360	20.6	15.1
7	#17265.00	51.4 PK	68.2	-16.8	1.71 V	216	33.0	18.4

Remarks:

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

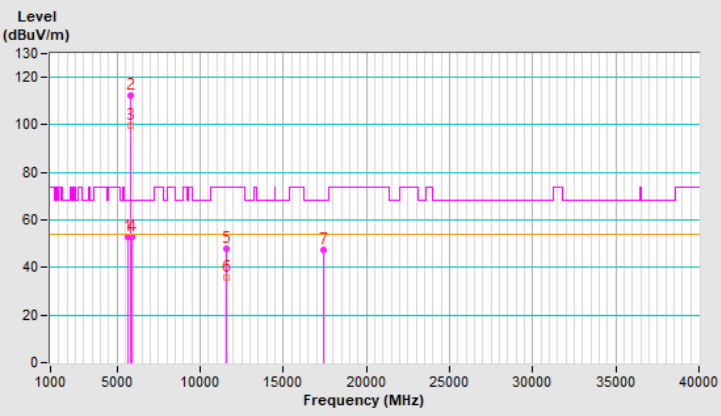


RF Mode	802.11ax (HE40)	**Channel**	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5649.00	52.7 PK	68.2	-15.5	1.93 H	177	48.8	3.9
2	*5795.00	112.3 PK			1.93 H	177	108.1	4.2
3	*5795.00	99.6 AV			1.93 H	177	95.4	4.2
4	#5927.00	52.9 PK	68.2	-15.3	1.93 H	177	48.3	4.6
5	11590.00	48.1 PK	74.0	-25.9	1.75 H	182	33.3	14.8
6	11590.00	35.6 AV	54.0	-18.4	1.75 H	182	20.8	14.8
7	#17385.00	47.3 PK	68.2	-20.9	3.22 H	235	28.2	19.1

Remarks:

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

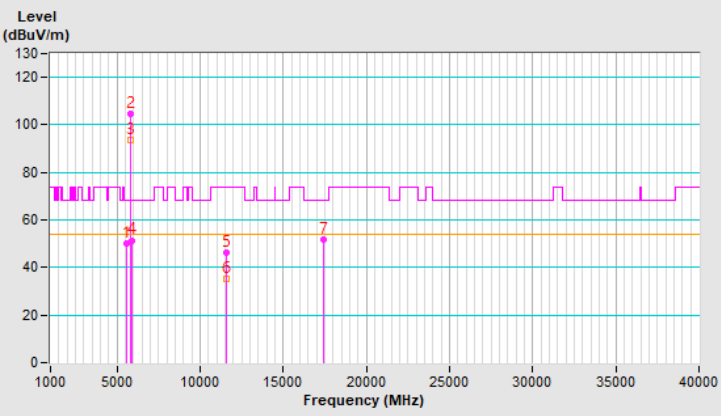


RF Mode	802.11ax (HE40)	**Channel**	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5616.20	50.3 PK	68.2	-17.9	3.01 V	27	46.4	3.9
2	*5795.00	104.7 PK			3.01 V	27	100.5	4.2
3	*5795.00	93.4 AV			3.01 V	27	89.2	4.2
4	#5926.73	51.5 PK	68.2	-16.7	3.01 V	27	46.9	4.6
5	11590.00	46.5 PK	74.0	-27.5	1.63 V	356	31.7	14.8
6	11590.00	35.1 AV	54.0	-18.9	1.63 V	356	20.3	14.8
7	#17385.00	51.6 PK	68.2	-16.6	1.66 V	217	32.5	19.1

Remarks:

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

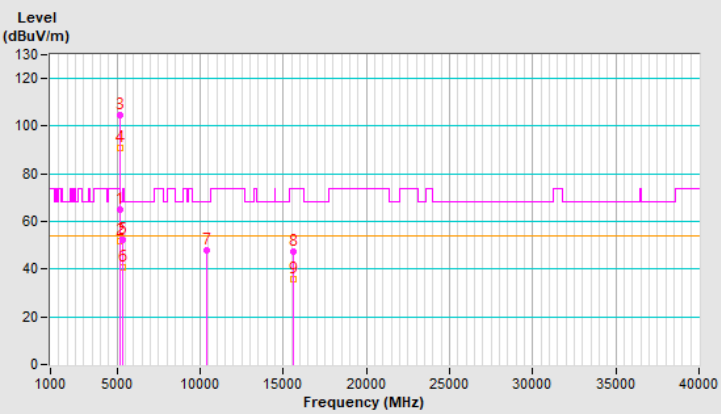


RF Mode	802.11ax (HE80)	**Channel**	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	65.0 PK	74.0	-9.0	1.98 H	148	61.4	3.6
2	5150.00	51.7 AV	54.0	-2.3	1.98 H	148	48.1	3.6
3	*5210.00	104.6 PK			1.98 H	148	101.3	3.3
4	*5210.00	91.0 AV			1.98 H	148	87.7	3.3
5	5350.00	52.2 PK	74.0	-21.8	1.98 H	148	48.9	3.3
6	5350.00	40.7 AV	54.0	-13.3	1.98 H	148	37.4	3.3
7	#10420.00	47.7 PK	68.2	-20.5	1.74 H	179	33.8	13.9
8	15630.00	47.4 PK	74.0	-26.6	3.29 H	233	32.4	15.0
9	15630.00	36.0 AV	54.0	-18.0	3.29 H	233	21.0	15.0

Remarks:

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

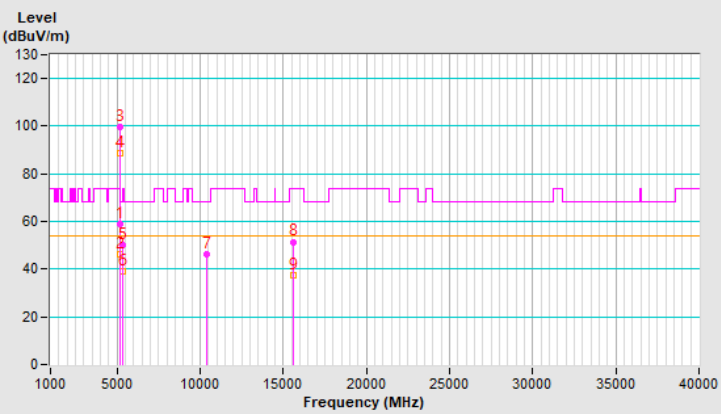


RF Mode	802.11ax (HE80)	**Channel**	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	58.7 PK	74.0	-15.3	3.39 V	358	55.1	3.6
2	5150.00	46.0 AV	54.0	-8.0	3.39 V	358	42.4	3.6
3	*5210.00	99.7 PK			3.39 V	358	96.4	3.3
4	*5210.00	88.7 AV			3.39 V	358	85.4	3.3
5	5350.00	50.1 PK	74.0	-23.9	3.39 V	358	46.8	3.3
6	5350.00	39.0 AV	54.0	-15.0	3.39 V	358	35.7	3.3
7	#10420.00	46.4 PK	68.2	-21.8	1.60 V	351	32.5	13.9
8	15630.00	51.5 PK	74.0	-22.5	1.70 V	218	36.5	15.0
9	15630.00	37.6 AV	54.0	-16.4	1.70 V	218	22.6	15.0

Remarks:

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

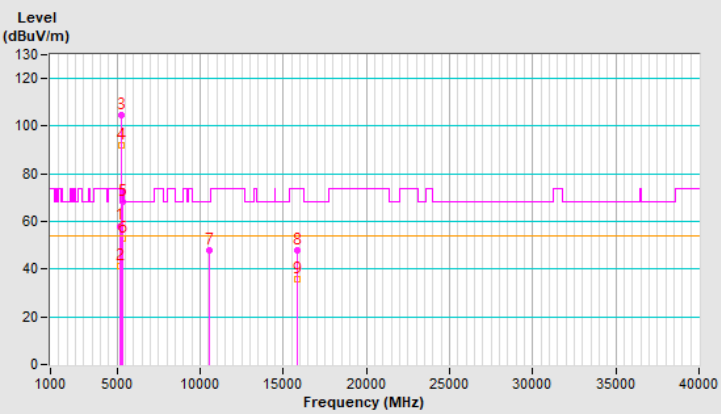


RF Mode	802.11ax (HE80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	58.1 PK	74.0	-15.9	1.84 H	148	54.5	3.6
2	5150.00	41.3 AV	54.0	-12.7	1.84 H	148	37.7	3.6
3	*5290.00	104.5 PK			1.84 H	148	101.4	3.1
4	*5290.00	92.0 AV			1.84 H	148	88.9	3.1
5	5350.00	68.1 PK	74.0	-5.9	1.84 H	148	64.8	3.3
6	5350.00	52.8 AV	54.0	-1.2	1.84 H	148	49.5	3.3
7	#10580.00	47.9 PK	68.2	-20.3	1.71 H	196	34.0	13.9
8	15870.00	47.9 PK	74.0	-26.1	3.30 H	240	33.8	14.1
9	15870.00	36.0 AV	54.0	-18.0	3.30 H	240	21.9	14.1

Remarks:

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

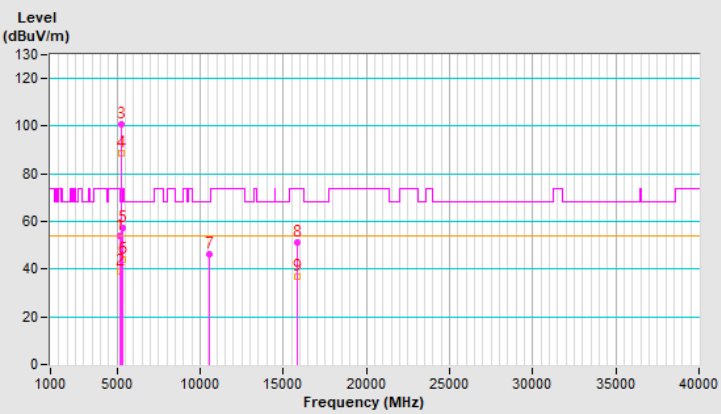


RF Mode	802.11ax (HE80)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	53.9 PK	74.0	-20.1	3.46 V	360	50.3	3.6
2	5150.00	39.3 AV	54.0	-14.7	3.46 V	360	35.7	3.6
3	*5290.00	100.9 PK			3.46 V	360	97.8	3.1
4	*5290.00	88.5 AV			3.46 V	360	85.4	3.1
5	5350.00	57.3 PK	74.0	-16.7	3.46 V	360	54.0	3.3
6	5350.00	43.9 AV	54.0	-10.1	3.46 V	360	40.6	3.3
7	#10580.00	46.5 PK	68.2	-21.7	1.57 V	360	32.6	13.9
8	15870.00	51.2 PK	74.0	-22.8	1.73 V	217	37.1	14.1
9	15870.00	36.9 AV	54.0	-17.1	1.73 V	217	22.8	14.1

Remarks:

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

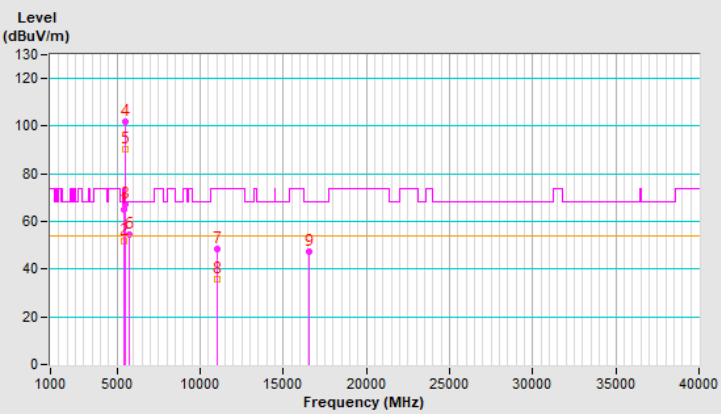


RF Mode	802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.1 PK	74.0	-8.9	1.99 H	171	61.6	3.5
2	5460.00	51.9 AV	54.0	-2.1	1.99 H	171	48.4	3.5
3	#5470.00	67.0 PK	68.2	-1.2	1.99 H	171	63.5	3.5
4	*5530.00	101.9 PK			1.99 H	171	98.3	3.6
5	*5530.00	90.2 AV			1.99 H	171	86.6	3.6
6	#5725.00	54.6 PK	68.2	-13.6	1.99 H	171	50.6	4.0
7	11060.00	48.4 PK	74.0	-25.6	1.81 H	193	34.0	14.4
8	11060.00	36.0 AV	54.0	-18.0	1.81 H	193	21.6	14.4
9	#16590.00	47.6 PK	68.2	-20.6	3.30 H	254	30.7	16.9

Remarks:

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

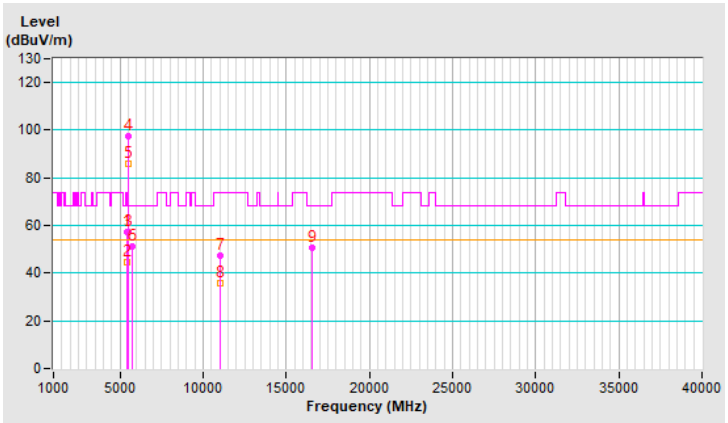


RF Mode	802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.1 PK	74.0	-16.9	3.47 V	360	53.6	3.5
2	5460.00	44.7 AV	54.0	-9.3	3.47 V	360	41.2	3.5
3	#5470.00	57.4 PK	68.2	-10.8	3.47 V	360	53.9	3.5
4	*5530.00	97.4 PK			3.47 V	360	93.8	3.6
5	*5530.00	85.7 AV			3.47 V	360	82.1	3.6
6	#5725.00	51.0 PK	68.2	-17.2	3.47 V	360	47.0	4.0
7	11060.00	47.3 PK	74.0	-26.7	1.57 V	338	32.9	14.4
8	11060.00	35.7 AV	54.0	-18.3	1.57 V	338	21.3	14.4
9	#16590.00	50.8 PK	68.2	-17.4	1.73 V	221	33.9	16.9

Remarks:

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

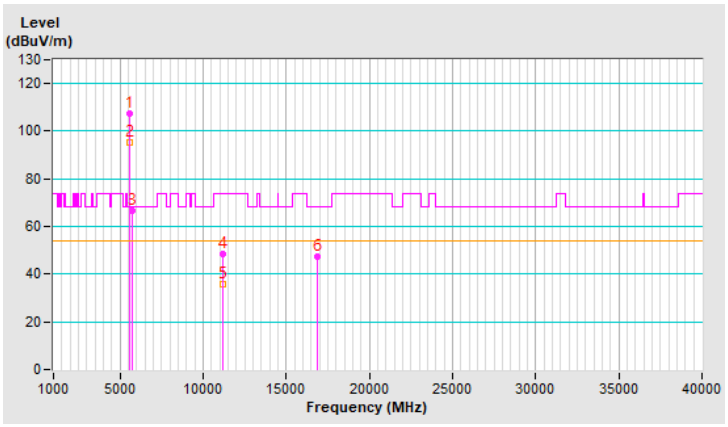


RF Mode	802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	107.2 PK			2.05 H	205	103.3	3.9
2	*5610.00	95.2 AV			2.05 H	205	91.3	3.9
3	#5725.00	66.4 PK	68.2	-1.8	2.05 H	205	62.4	4.0
4	11220.00	48.4 PK	74.0	-25.6	1.79 H	175	34.1	14.3
5	11220.00	35.9 AV	54.0	-18.1	1.79 H	175	21.6	14.3
6	#16830.00	47.3 PK	68.2	-20.9	3.22 H	245	29.9	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.

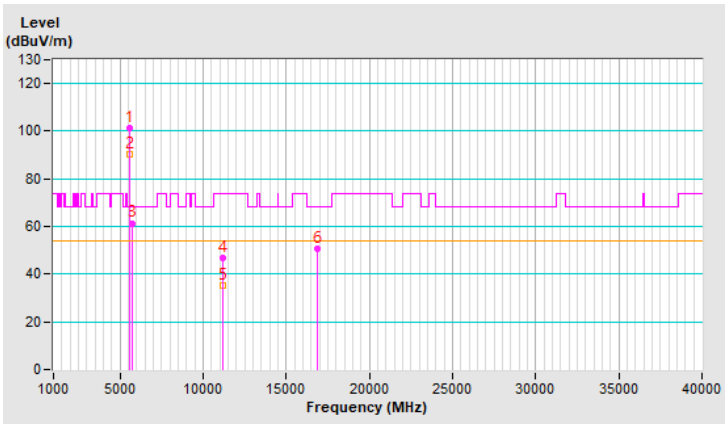


RF Mode	802.11ax (HE80)	**Channel**	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5610.00	101.3 PK			3.52 V	360	97.4	3.9
2	*5610.00	90.3 AV			3.52 V	360	86.4	3.9
3	#5725.00	61.4 PK	68.2	-6.8	3.52 V	360	57.4	4.0
4	11220.00	46.7 PK	74.0	-27.3	1.67 V	352	32.4	14.3
5	11220.00	35.1 AV	54.0	-18.9	1.67 V	352	20.8	14.3
6	#16830.00	50.6 PK	68.2	-17.6	1.76 V	241	33.2	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.

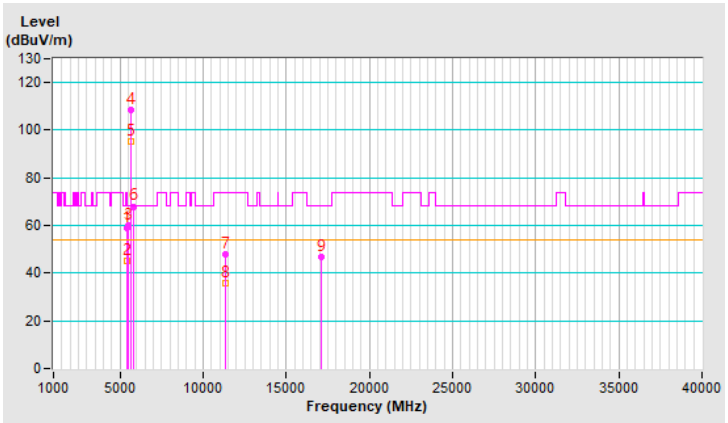


RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	1.73 H	179	55.6	3.5
2	5460.00	45.2 AV	54.0	-8.8	1.73 H	179	41.7	3.5
3	#5470.00	60.2 PK	68.2	-8.0	1.73 H	179	56.7	3.5
4	*5690.00	108.5 PK			1.73 H	179	104.6	3.9
5	*5690.00	95.5 AV			1.73 H	179	91.6	3.9
6	**#5850.00**	**68.0 PK**	**68.2**	**-0.2**	**1.73 H**	**179**	**63.7**	**4.3**
7	11380.00	47.9 PK	74.0	-26.1	1.72 H	196	33.0	14.9
8	11380.00	35.6 AV	54.0	-18.4	1.72 H	196	20.7	14.9
9	#17070.00	46.8 PK	68.2	-21.4	3.24 H	258	28.9	17.9

Remarks:

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

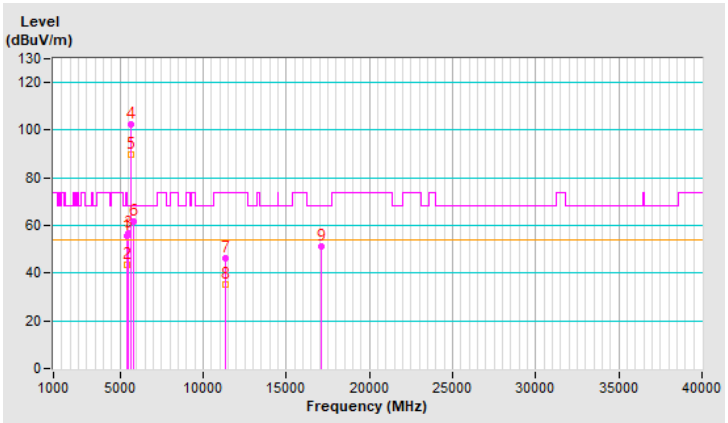


RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.6 PK	74.0	-18.4	3.26 V	28	52.1	3.5
2	5460.00	43.3 AV	54.0	-10.7	3.26 V	28	39.8	3.5
3	#5470.00	56.8 PK	68.2	-11.4	3.26 V	28	53.3	3.5
4	*5690.00	102.5 PK			3.26 V	28	98.6	3.9
5	*5690.00	89.9 AV			3.26 V	28	86.0	3.9
6	#5850.00	61.8 PK	68.2	-6.4	3.26 V	28	57.5	4.3
7	11380.00	46.4 PK	74.0	-27.6	1.65 V	344	31.5	14.9
8	11380.00	35.1 AV	54.0	-18.9	1.65 V	344	20.2	14.9
9	#17070.00	51.1 PK	68.2	-17.1	1.71 V	212	33.2	17.9

Remarks:

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

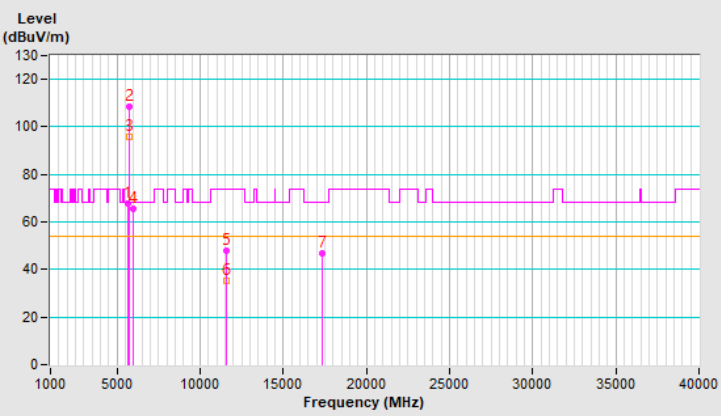


RF Mode	802.11ax (HE80)	**Channel**	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5636.00	67.6 PK	68.2	-0.6	1.96 H	178	63.7	3.9
2	*5775.00	108.7 PK			1.96 H	178	104.5	4.2
3	*5775.00	95.9 AV			1.96 H	178	91.7	4.2
4	#5949.00	65.7 PK	68.2	-2.5	1.96 H	178	61.0	4.7
5	11550.00	47.8 PK	74.0	-26.2	1.80 H	178	32.8	15.0
6	11550.00	35.2 AV	54.0	-18.8	1.80 H	178	20.2	15.0
7	#17325.00	46.8 PK	68.2	-21.4	3.24 H	243	27.7	19.1

Remarks:

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

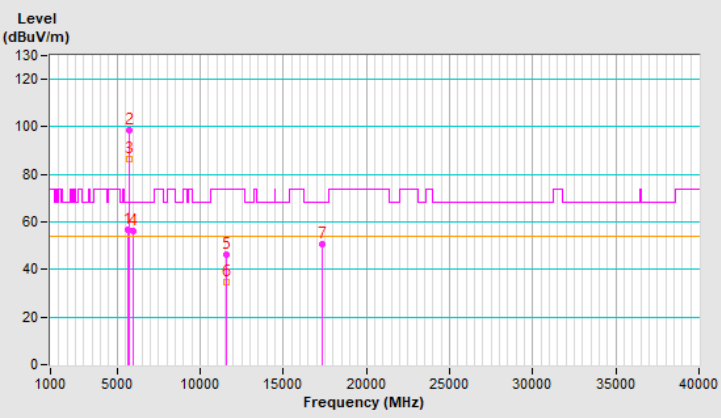


RF Mode	802.11ax (HE80)	**Channel**	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Nick Tsou		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5648.67	56.9 PK	68.2	-11.3	1.61 V	190	53.0	3.9
2	*5775.00	98.7 PK			1.61 V	190	94.5	4.2
3	*5775.00	86.5 AV			1.61 V	190	82.3	4.2
4	#5944.04	56.2 PK	68.2	-12.0	1.61 V	190	51.5	4.7
5	11550.00	46.4 PK	74.0	-27.6	1.63 V	338	31.4	15.0
6	11550.00	34.8 AV	54.0	-19.2	1.63 V	338	19.8	15.0
7	#17325.00	50.7 PK	68.2	-17.5	1.73 V	226	31.6	19.1

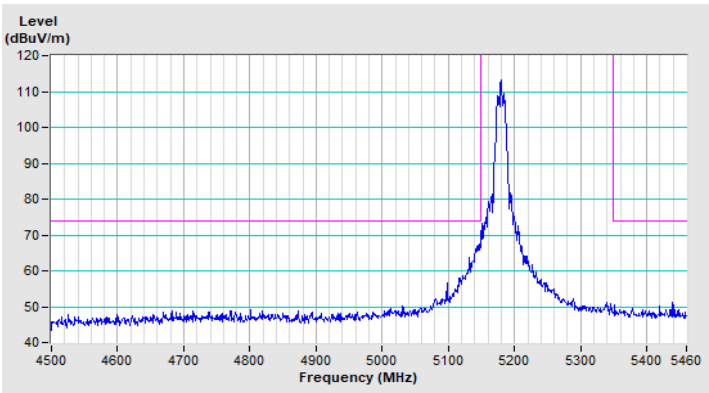
Remarks:

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

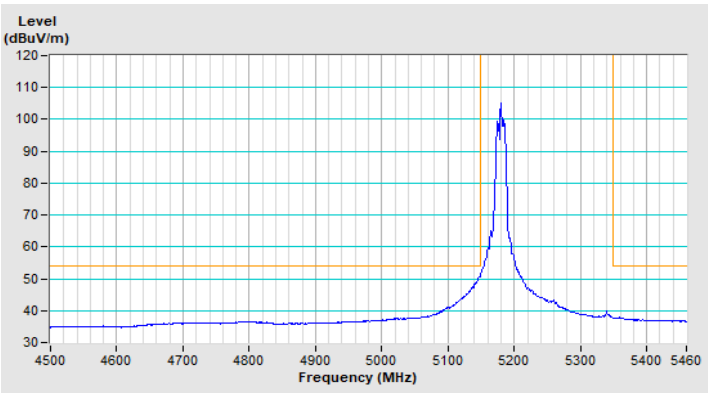


Plot of Band Edge

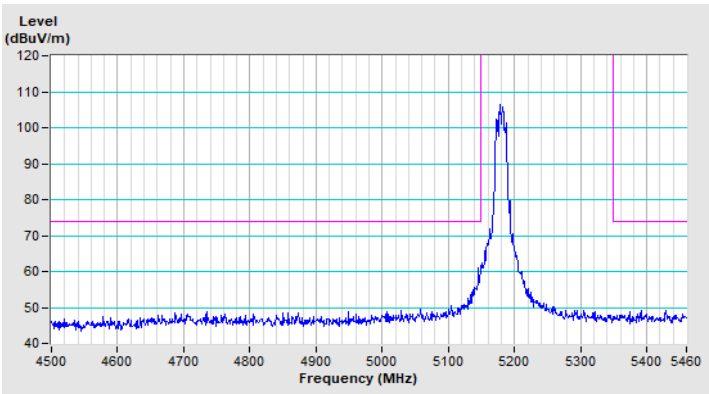
802.11a Channel 36



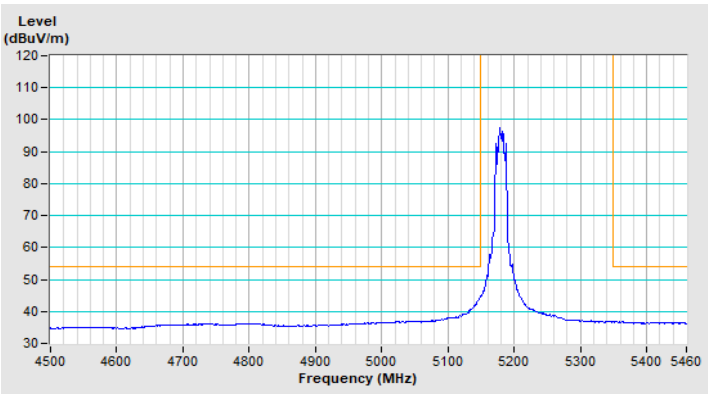
Horizontal (Peak)



Horizontal (Average)

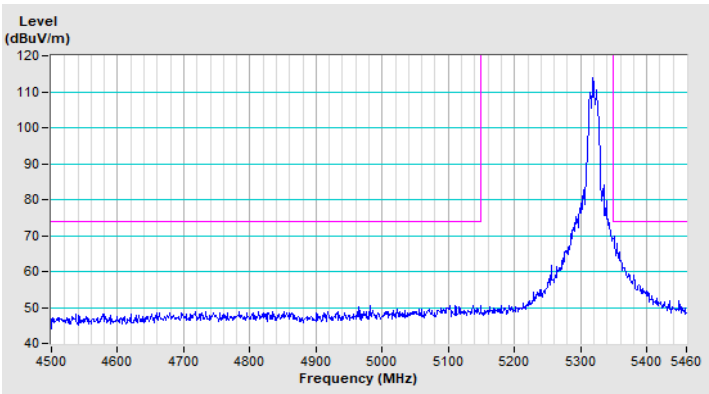


Vertical (Peak)

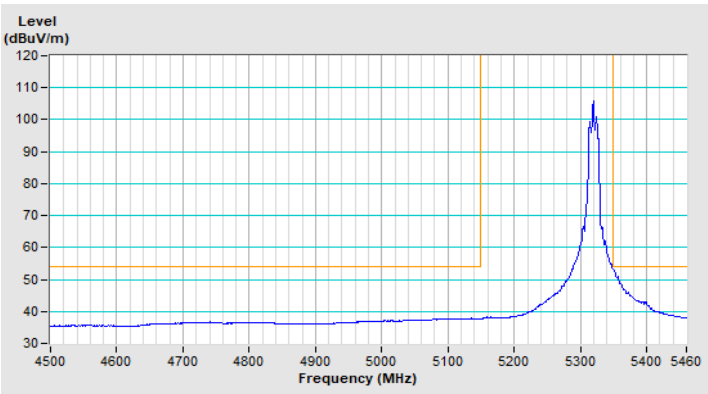


Vertical (Average)

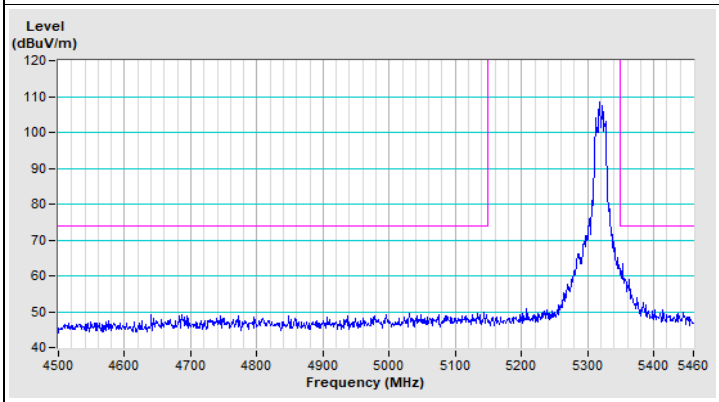
802.11a Channel 64



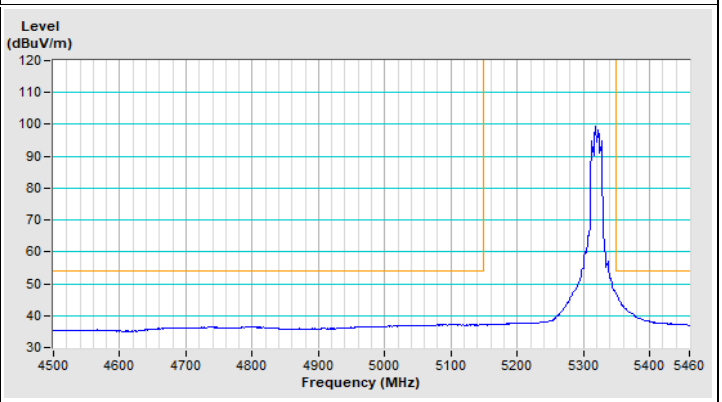
Horizontal (Peak)



Horizontal (Average)

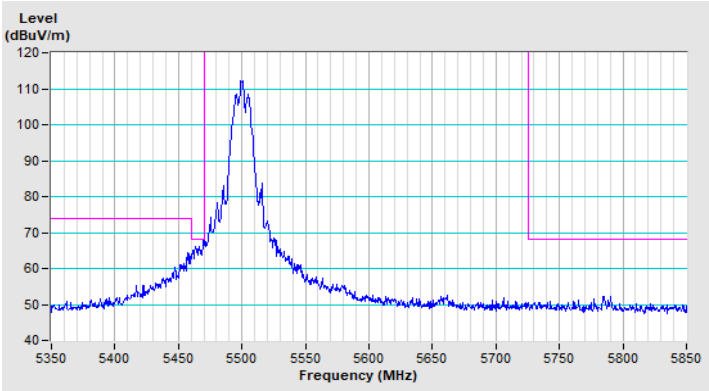


Vertical (Peak)

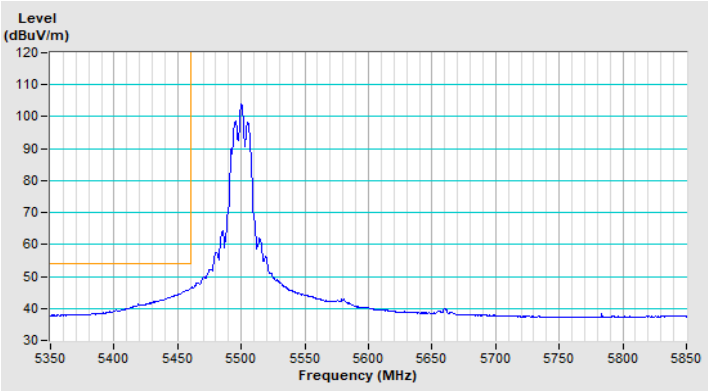


Vertical (Average)

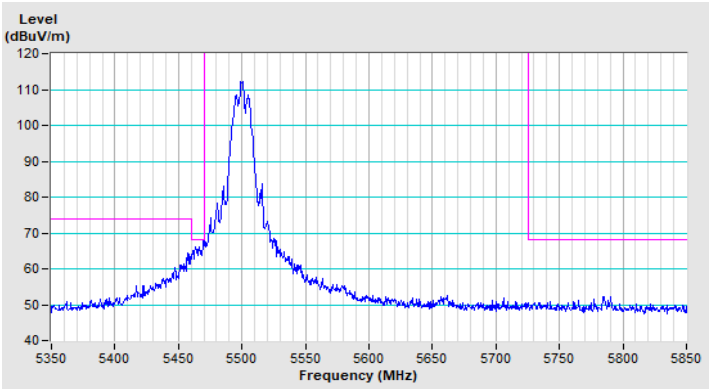
802.11a Channel 100



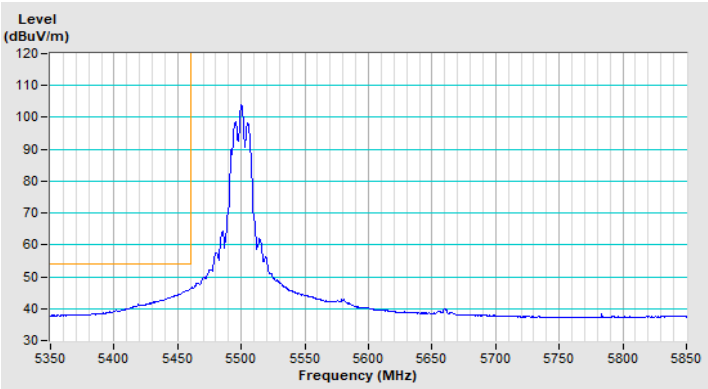
Horizontal (Peak)



Horizontal (Average)

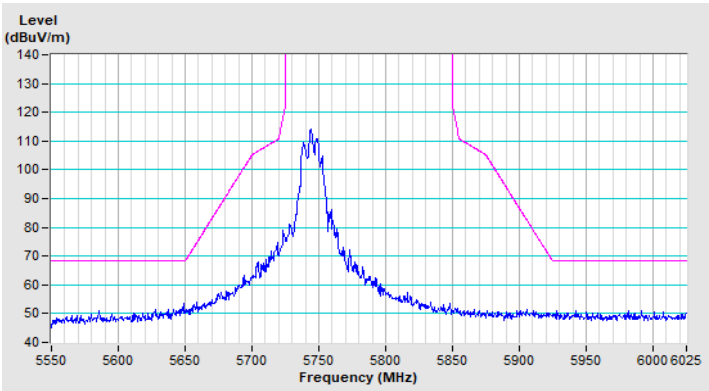


Vertical (Peak)

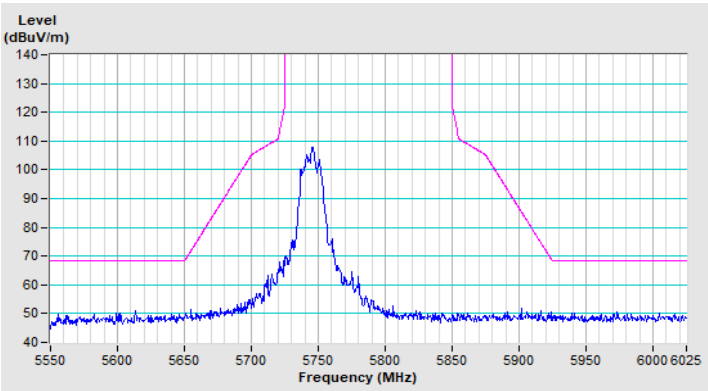


Vertical (Average)

802.11a Channel 149

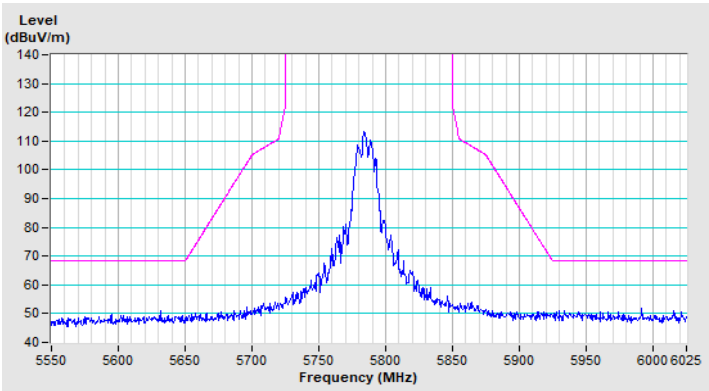


Horizontal (Peak)

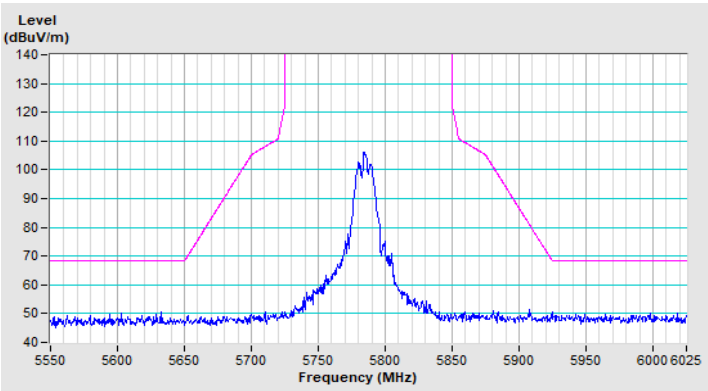


Vertical (Peak)

802.11a Channel 157

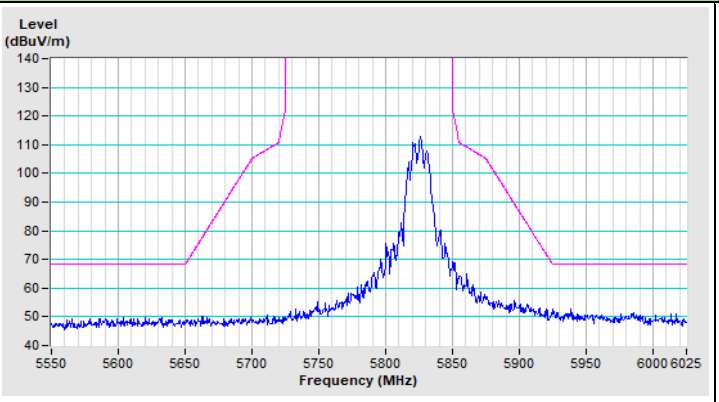


Horizontal (Peak)

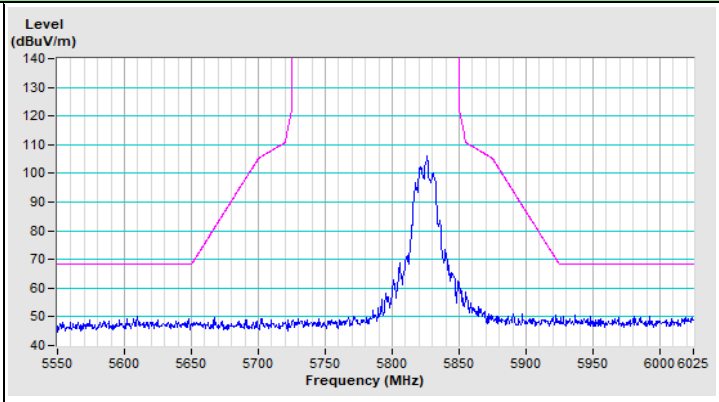


Vertical (Peak)

802.11a Channel 165

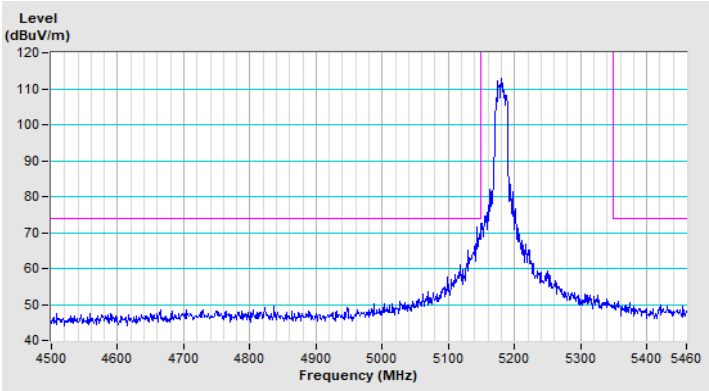


Horizontal (Peak)

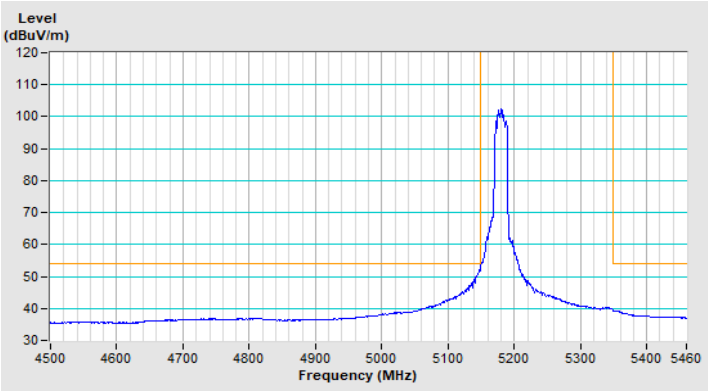


Vertical (Peak)

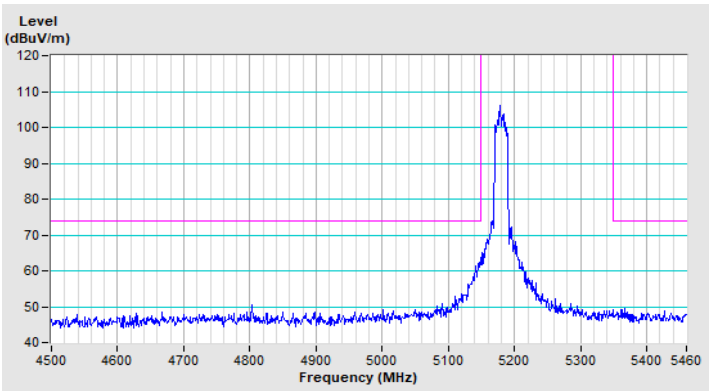
802.11ax (HE20) Channel 36



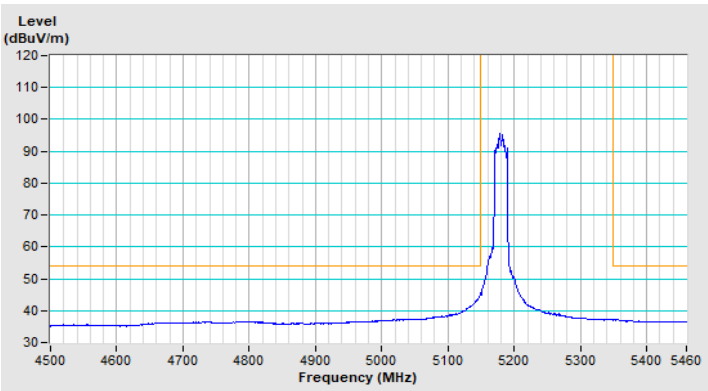
Horizontal (Peak)



Horizontal (Average)

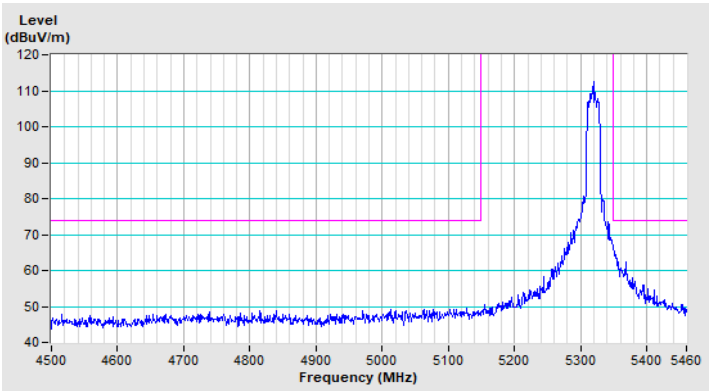


Vertical (Peak)

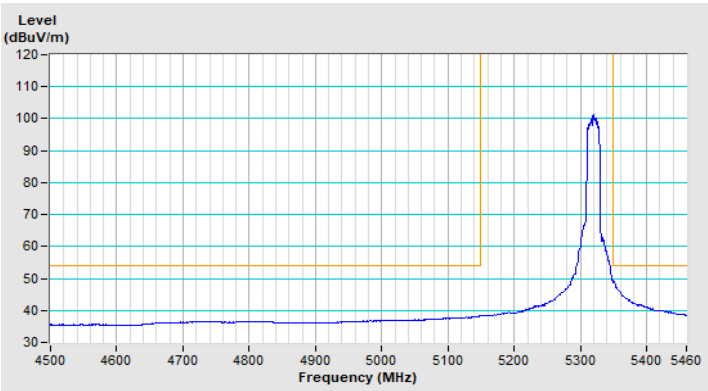


Vertical (Average)

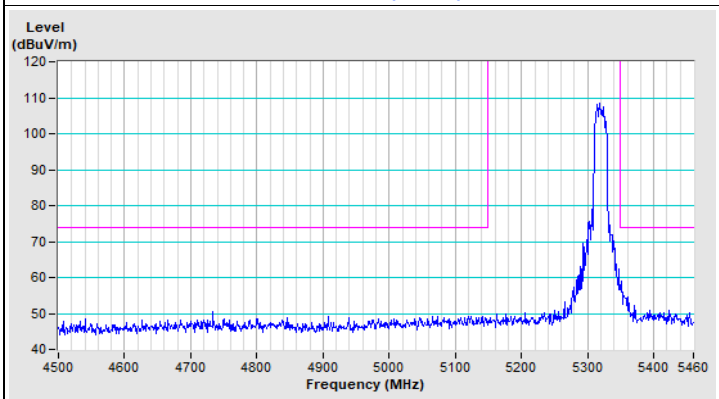
802.11ax (HE20) Channel 64



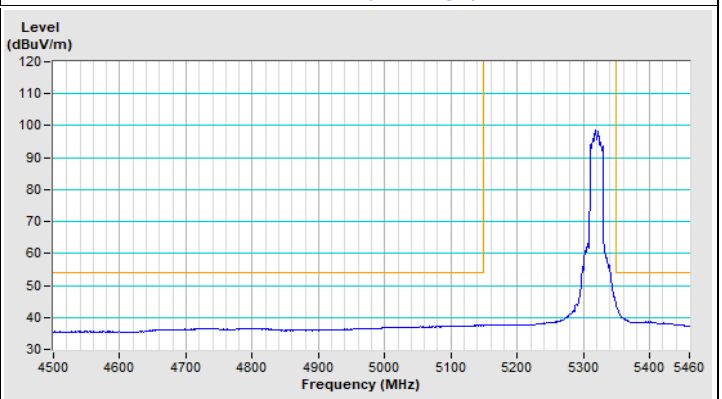
Horizontal (Peak)



Horizontal (Average)

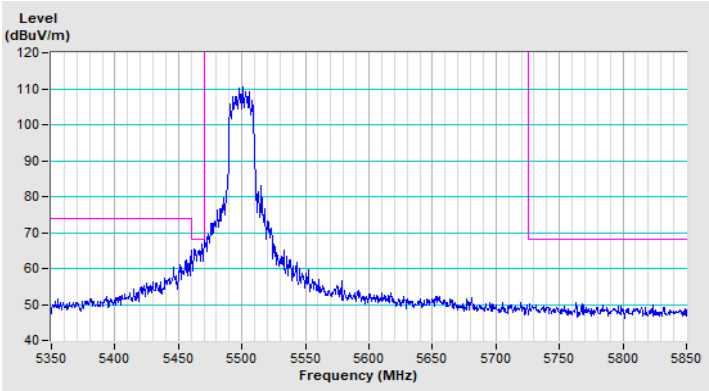


Vertical (Peak)

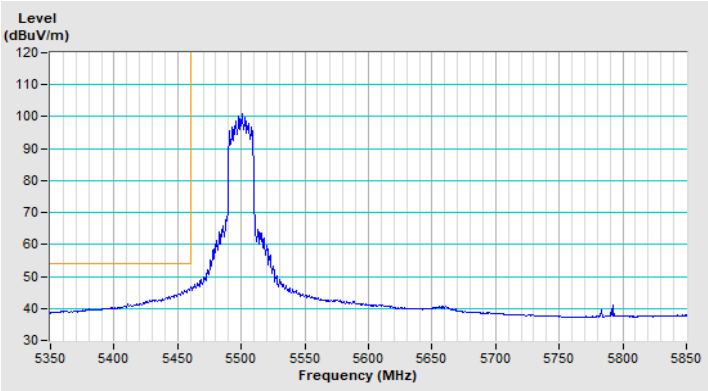


Vertical (Average)

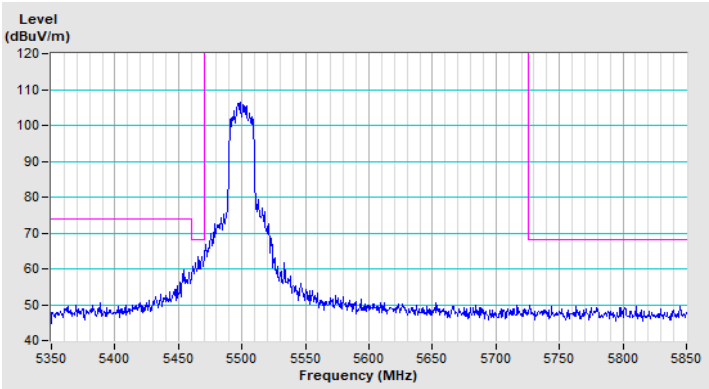
802.11ax (HE20) Channel 100



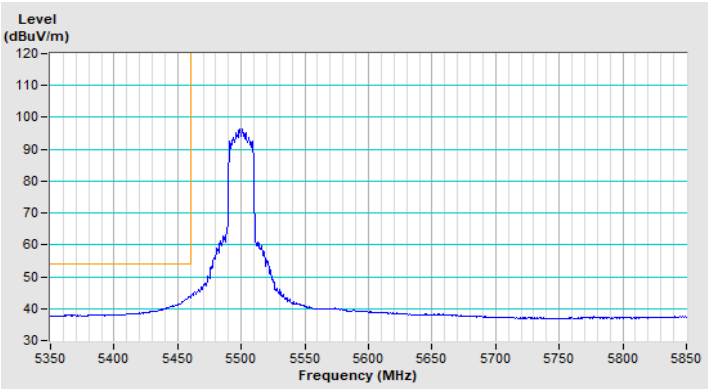
Horizontal (Peak)



Horizontal (Average)

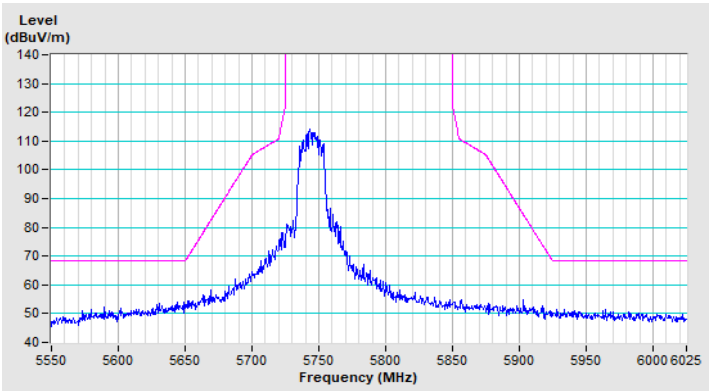


Vertical (Peak)

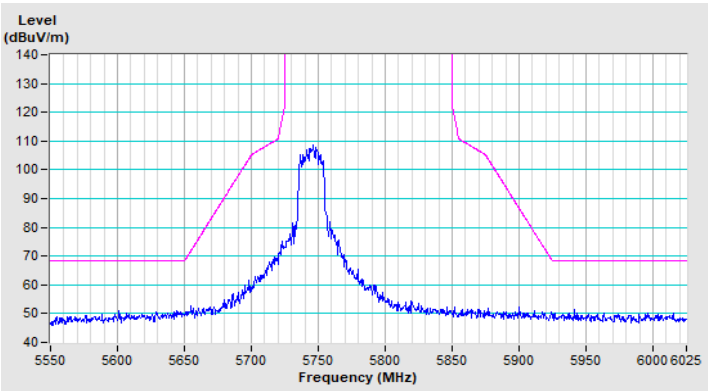


Vertical (Average)

802.11ax (HE20) Channel 149

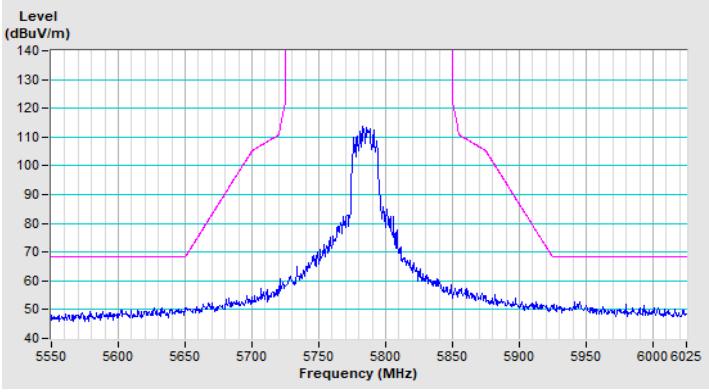


Horizontal (Peak)

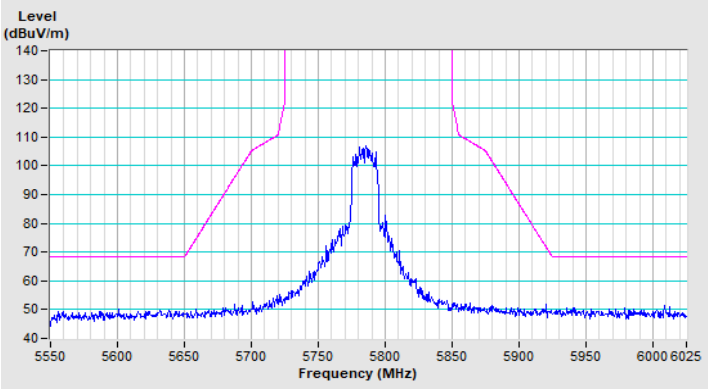


Vertical (Peak)

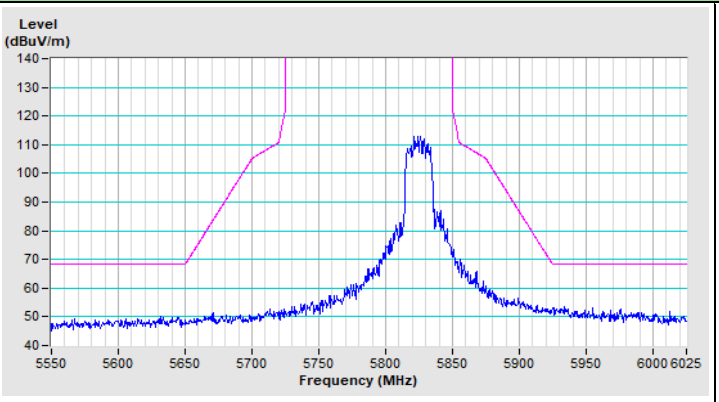
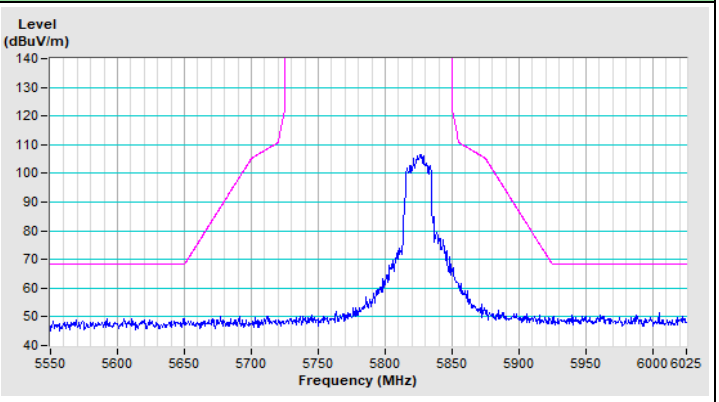
802.11ax (HE20) Channel 157



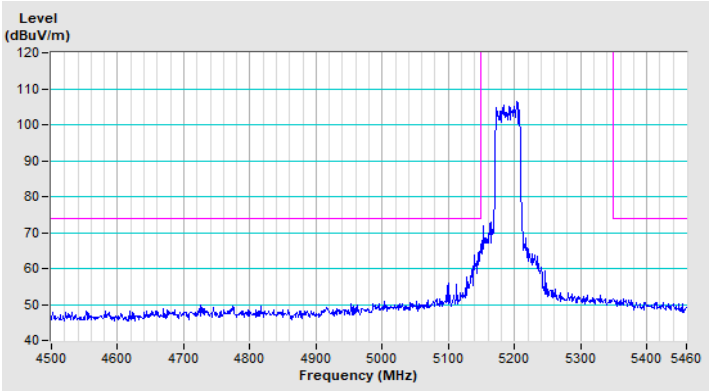
Horizontal (Peak)



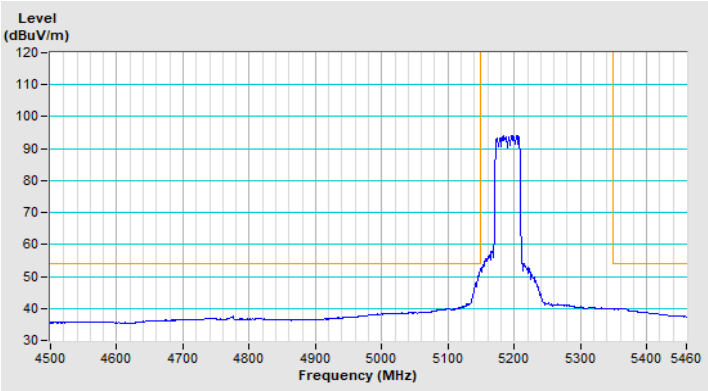
Vertical (Peak)

802.11ax (HE20) Channel 165	
	
Horizontal (Peak)	Vertical (Peak)

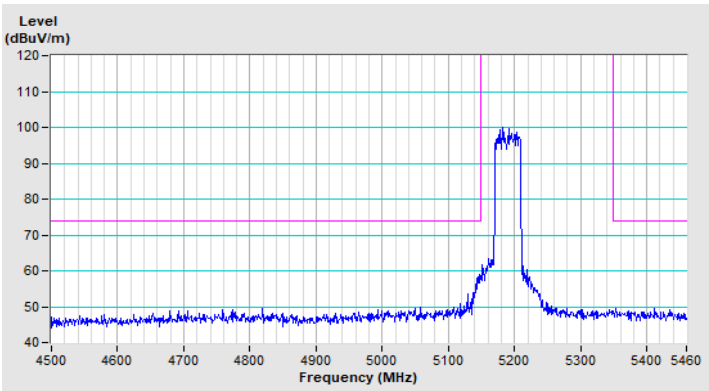
802.11ax (HE40) Channel 38



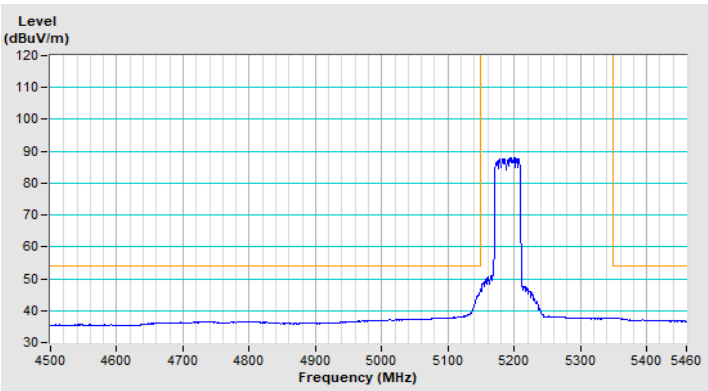
Horizontal (Peak)



Horizontal (Average)

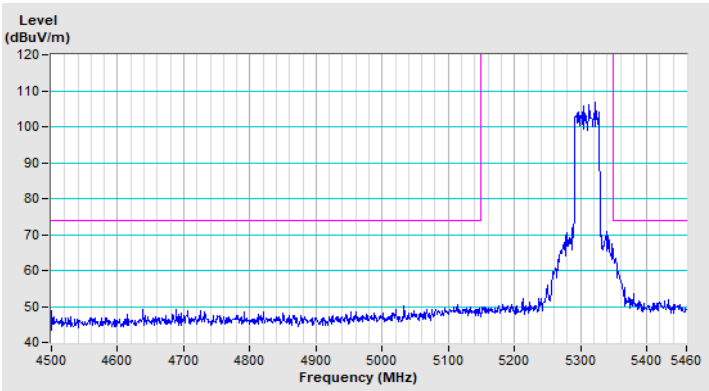


Vertical (Peak)

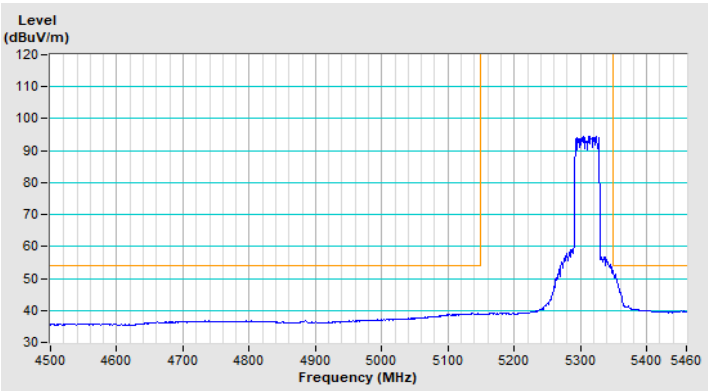


Vertical (Average)

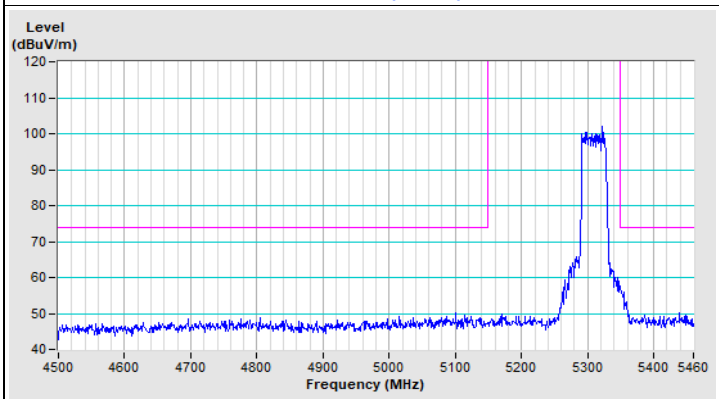
802.11ax (HE40) Channel 62



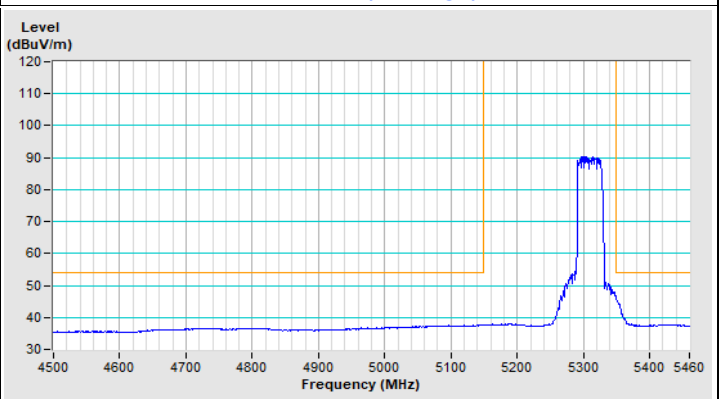
Horizontal (Peak)



Horizontal (Average)

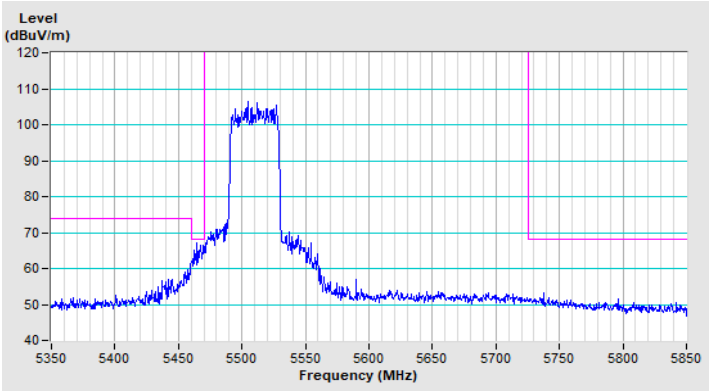


Vertical (Peak)

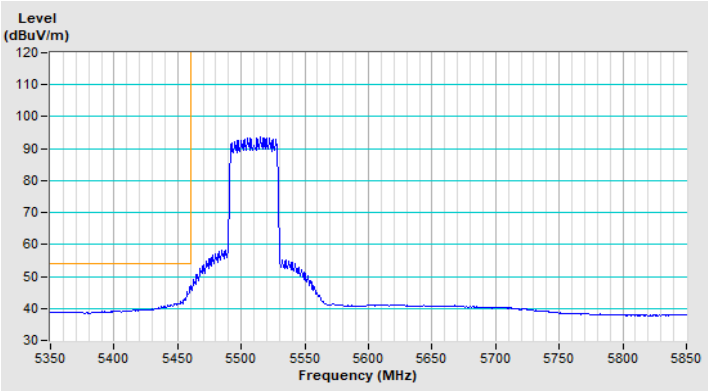


Vertical (Average)

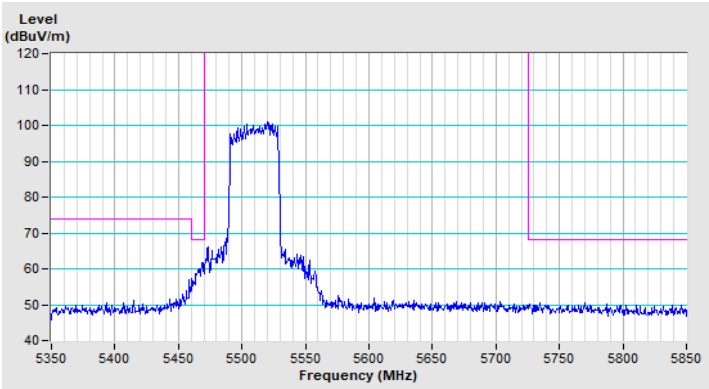
802.11ax (HE40) Channel 102



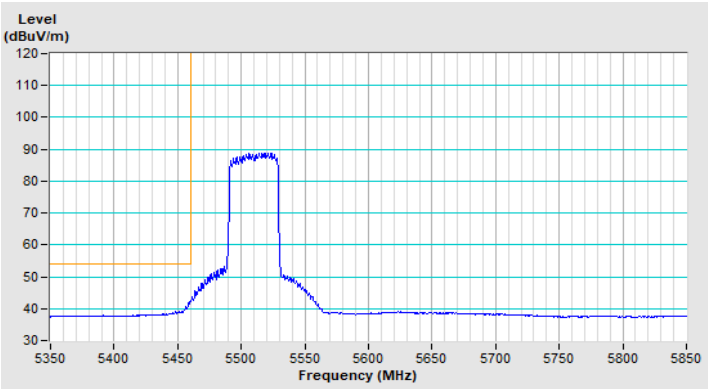
Horizontal (Peak)



Horizontal (Average)

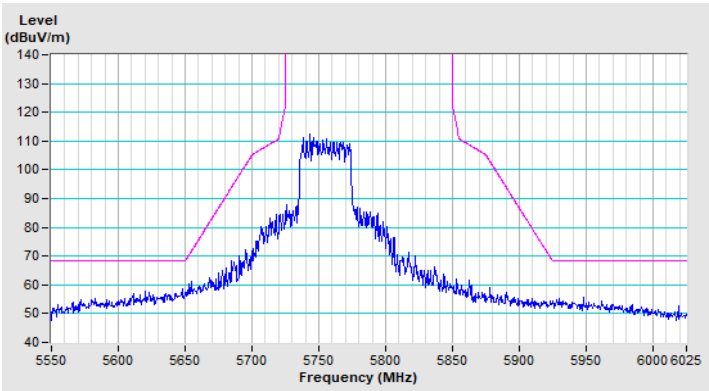


Vertical (Peak)

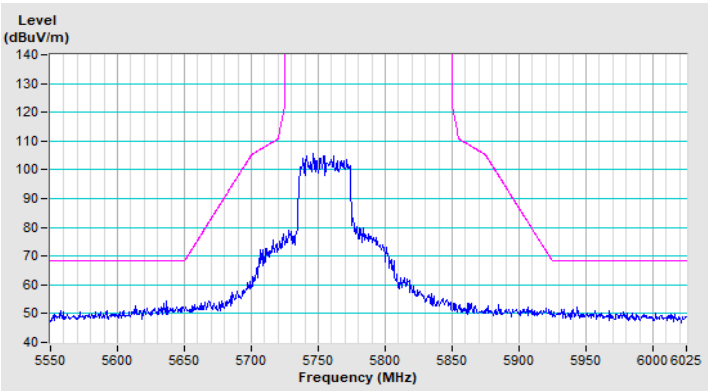


Vertical (Average)

802.11ax (HE40) Channel 151

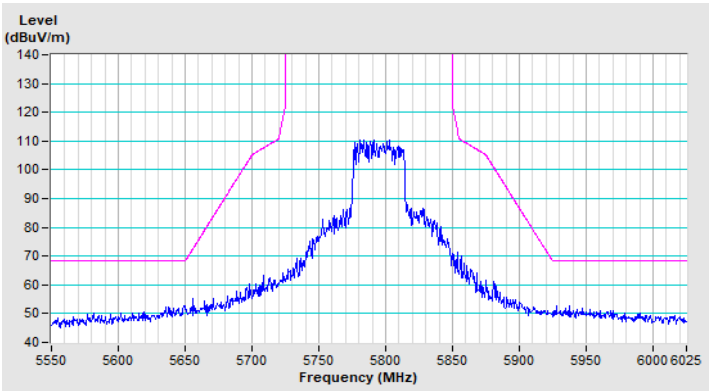


Horizontal (Peak)

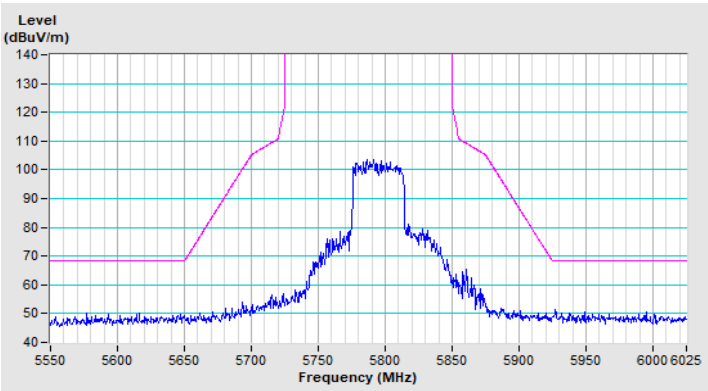


Vertical (Peak)

802.11ax (HE40) Channel 159

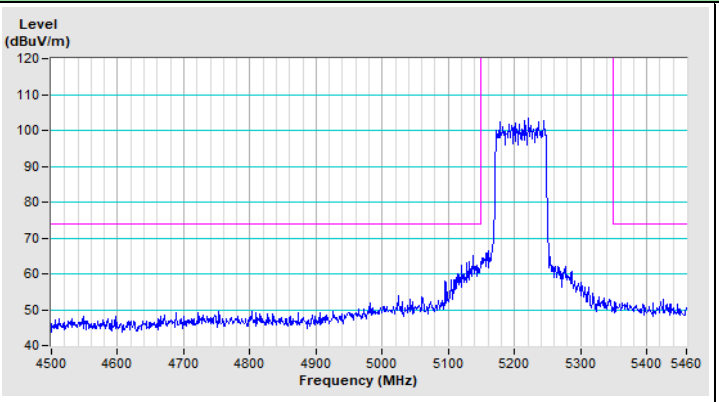


Horizontal (Peak)

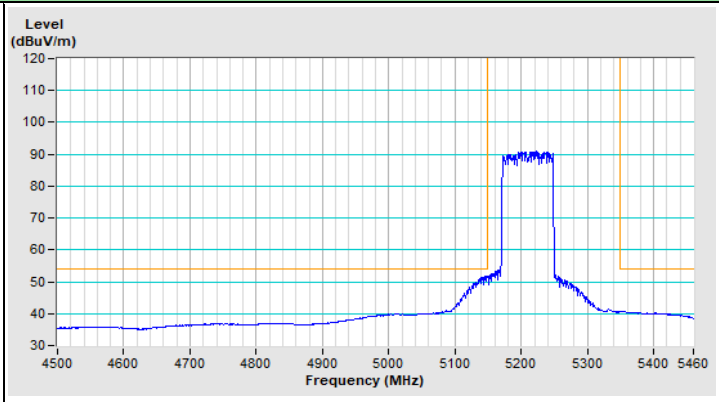


Vertical (Peak)

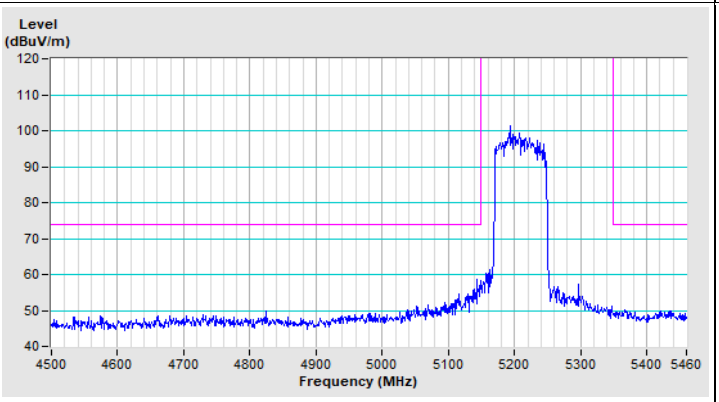
802.11ax (HE80) Channel 42



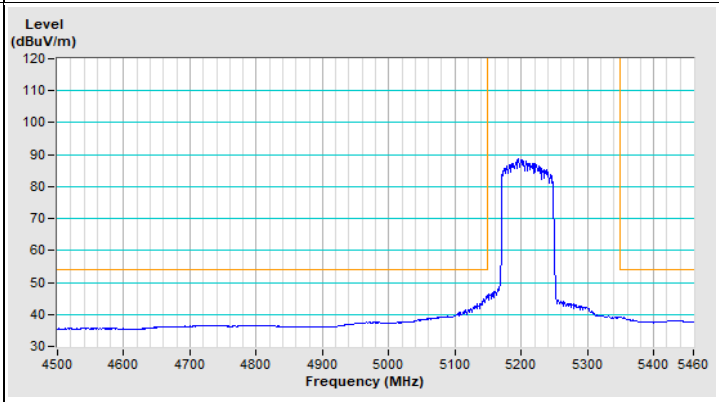
Horizontal (Peak)



Horizontal (Average)

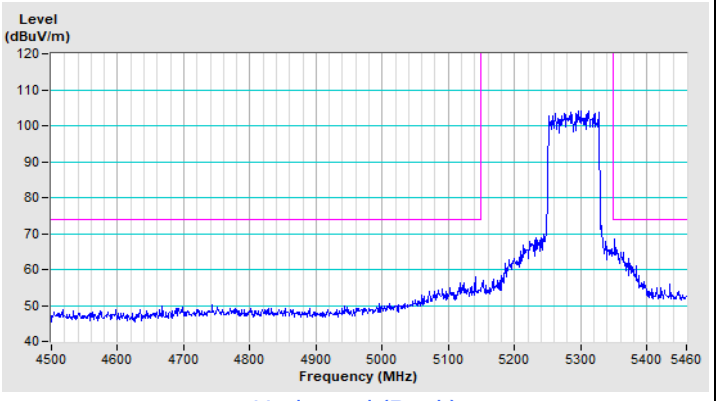


Vertical (Peak)

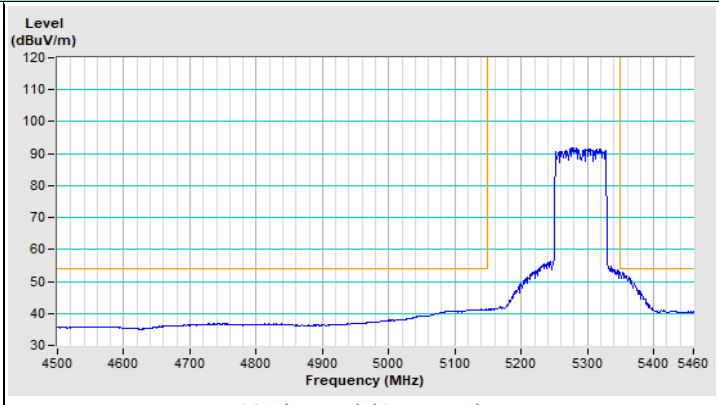


Vertical (Average)

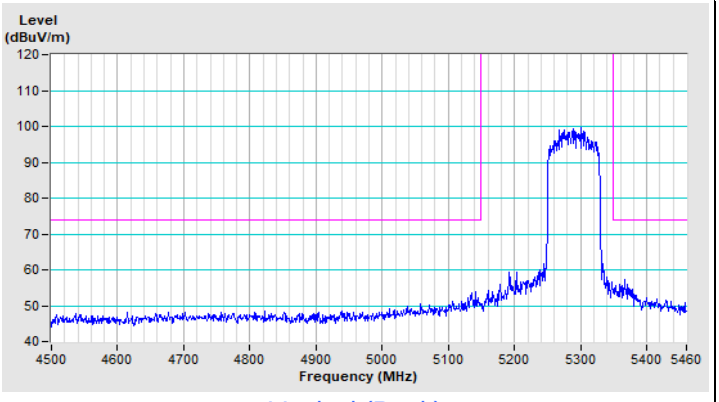
802.11ax (HE80) Channel 58



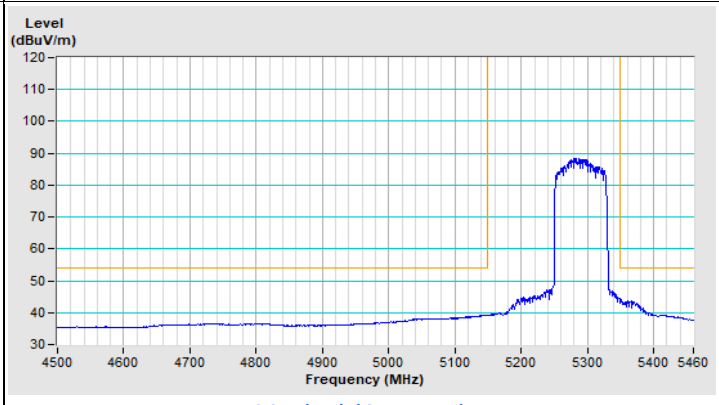
Horizontal (Peak)



Horizontal (Average)

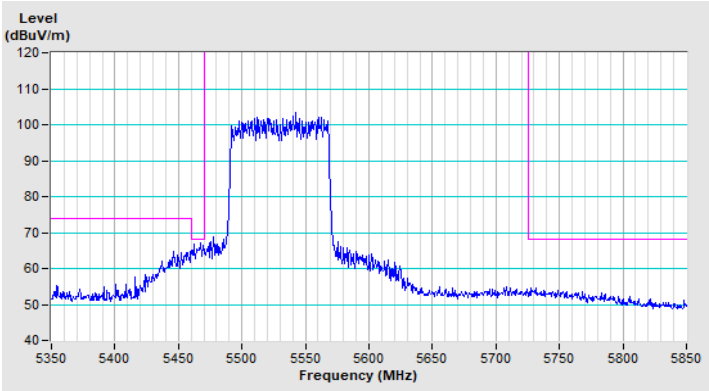


Vertical (Peak)

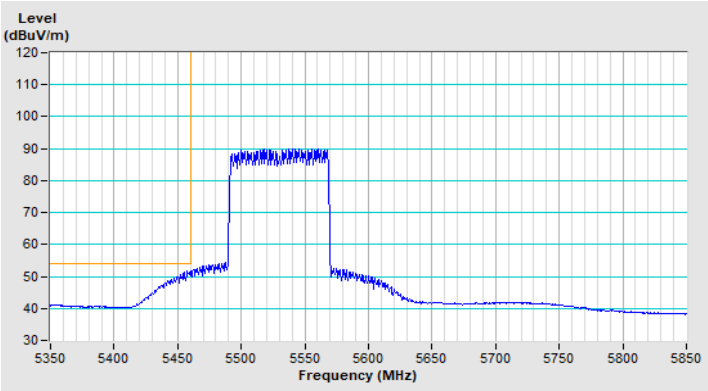


Vertical (Average)

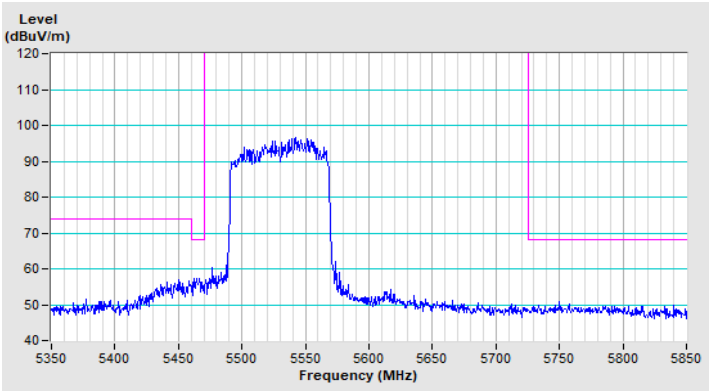
802.11ax (HE80) Channel 106



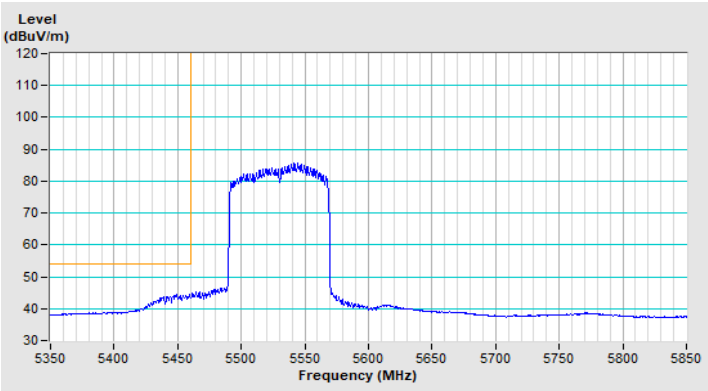
Horizontal (Peak)



Horizontal (Average)

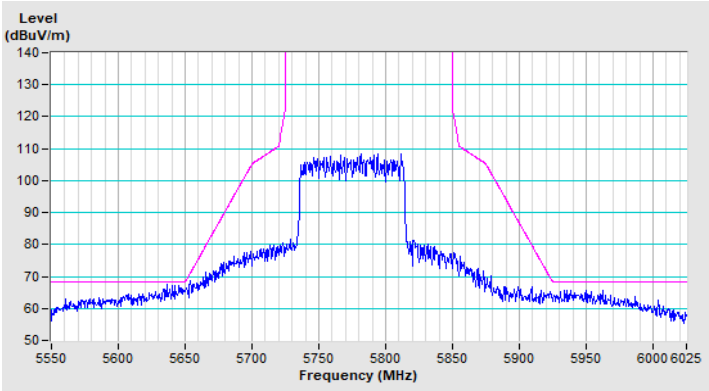


Vertical (Peak)

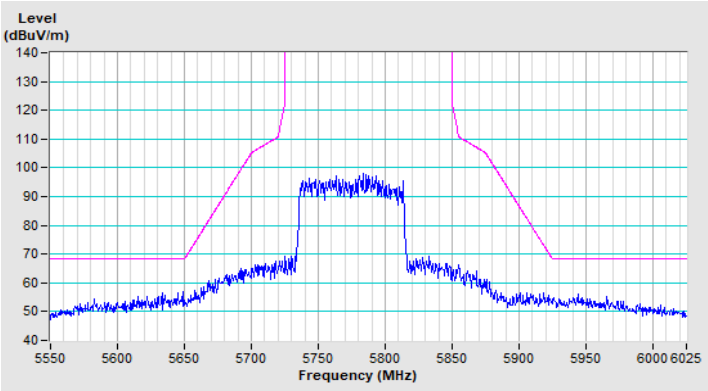


Vertical (Average)

802.11ax (HE80) Channel 155



Horizontal (Peak)



Vertical (Peak)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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