

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBCKS-WTW-P26040080-1
FCC ID: NKR-LS06B
Product: Touchscreen
Brand: ADT
Model No.: ADTOUCH502R0
Received Date: 2026/4/7
Test Date: 2026/5/8 ~ 2026/8/4
Issued Date: 2026/8/14
Applicant: WNC Corporation
Address: 20 Park Avenue II, Hsinchu Sciencer Park, Hsinchu 308, Taiwan, R.O.C
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / 788550 / TW0003
Designation Number:

Approved by:

Jeremy Lin

Jeremy Lin / Project Engineer

, Date:

2026/8/14

This test report consists of 126 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.



Prepared by : Polly Chien / Specialist

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Table of Contents

Release Control Record	4
1 Certificate.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Supplementary Information	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Antenna Description of EUT	8
3.3 Channel List.....	9
3.4 Test Mode Applicability and Tested Channel Detail.....	11
3.5 Duty Cycle of Test Signal.....	12
3.6 Test Program Used and Operation Descriptions	14
3.7 Connection Diagram of EUT and Peripheral Devices	14
3.8 Configuration of Peripheral Devices and Cable Connections	14
4 Test Instruments	15
4.1 26 dB Bandwidth	15
4.2 RF Output Power.....	15
4.3 Power Spectral Density	15
4.4 6 dB Bandwidth	15
4.5 Occupied Bandwidth.....	15
4.6 AC Power Conducted Emissions	16
4.7 Unwanted Emissions below 1 GHz	17
4.8 Unwanted Emissions above 1 GHz.....	18
5 Limits of Test Items.....	19
5.1 26 dB Bandwidth	19
5.2 RF Output Power.....	19
5.3 Power Spectral Density	19
5.4 6 dB Bandwidth	19
5.5 Occupied Bandwidth.....	19
5.6 AC Power Conducted Emissions	20
5.7 Unwanted Emissions below 1 GHz	20
5.8 Unwanted Emissions above 1 GHz.....	21
6 Test Arrangements.....	22
6.1 26 dB Bandwidth	22
6.1.1 Test Setup	22
6.1.2 Test Procedure	22
6.2 RF Output Power.....	23
6.2.1 Test Setup	23
6.2.2 Test Procedure	23
6.3 Power Spectral Density	24
6.3.1 Test Setup	24
6.3.2 Test Procedure	24
6.4 6 dB Bandwidth	25
6.4.1 Test Setup	25
6.4.2 Test Procedure	25
6.5 Occupied Bandwidth.....	25
6.5.1 Test Setup	25
6.5.2 Test Procedure	25
6.6 AC Power Conducted Emissions	26
6.6.1 Test Setup	26
6.6.2 Test Procedure	26
6.7 Unwanted Emissions below 1 GHz	27
6.7.1 Test Setup	27
6.7.2 Test Procedure	28

6.8	Unwanted Emissions above 1 GHz.....	29
6.8.1	Test Setup	29
6.8.2	Test Procedure	29
7	Test Results of Test Item	30
7.1	26 dB Bandwidth	30
7.2	RF Output Power	34
7.3	Power Spectral Density	40
7.4	6 dB Bandwidth	46
7.5	Occupied Bandwidth.....	48
7.6	AC Power Conducted Emissions	54
7.7	Unwanted Emissions below 1 GHz	56
7.8	Unwanted Emissions above 1 GHz.....	58
8	Pictures of Test Arrangements	125
9	Information of the Testing Laboratories	126



Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P26040080-1	Original release.	2026/8/14

1 Certificate

Product: Touchscreen
Brand: ADT
Test Model: ADTTOUCH502R0
Sample Status: Engineering sample
Applicant: WNC Corporation
Test Date: 2026/5/8 ~ 2026/8/4
Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure: ANSI C63.10-2020
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -3.72 dB at 0.44200 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.9 dB at 199.75 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 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 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	ADTTOUCH502R0
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from adapter
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 1201.0 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.50 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: 83.707 mW (19.23 dBm) 5.26 GHz ~ 5.32 GHz: 88.621 mW (19.48 dBm) 5.50 GHz ~ 5.72 GHz: 74.052 mW (18.70 dBm) 5.745 GHz ~ 5.825 GHz: 85.431 mW (19.32 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter 1	HOIOTO	ADS-26FSG-12 12018EPCU	AC Input: 100-240V, 50/60Hz, Max 0.7A DC Output: 12V, 1.5A, 18W DC Output Cable: 1.5m Plug: US
AC Adapter 2	ZBPOWER	ZB-H120015	AC Input: 100-240VAC, 50/60Hz, 0.45A Max DC Output: 12V, 1.5A DC Output Cable: 0.1m Plug: US
AC Adapter 3	ADT	1A102-1215	AC Input: 100-120V, 500mA, 50-60Hz DC Output: 12V, 1.5A DC Output Cable: 0.5m Plug: US

2. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology used for the EUT.

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Antenna Net Gain(dBi)	Frequency range	Antenna Type	Connector Type
WLAN1	ANT0	WNC	95XKAC15.GG7	2.07	2.4 GHz ~ 2.4835 GHz	PIFA	ipex(MHF)
				3.62	5.15 GHz ~ 5.25 GHz	PIFA	ipex(MHF)
				3.62	5.25 GHz ~ 5.35 GHz	PIFA	ipex(MHF)
				2.94	5.47 GHz ~ 5.725 GHz	PIFA	ipex(MHF)
				3.41	5.725 GHz ~ 5.85 GHz	PIFA	ipex(MHF)
WLAN2/BT	ANT1	WNC	95XKAC15.GG8	2.80	2.4 GHz ~ 2.4835 GHz	PIFA	ipex(MHF)
				3.95	5.15 GHz ~ 5.25 GHz	PIFA	ipex(MHF)
				3.95	5.25 GHz ~ 5.35 GHz	PIFA	ipex(MHF)
				2.92	5.47 GHz ~ 5.725 GHz	PIFA	ipex(MHF)
				3.42	5.725 GHz ~ 5.85 GHz	PIFA	ipex(MHF)

*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: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz), 802.11ax mode for 20 MHz (40 MHz, 80 MHz). Therefore, the investigated worst case is the representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	- 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. - The AC Adapter has the following items: AC Adapter 1 / AC Adapter 2 / AC Adapter 3. Pre-scan these modes and find the worst case as a representative test condition.
Worst Case:	- X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis - AC Adapter Worst Condition: AC Adapter 3

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 120, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	CDD	52, 60, 64, 100, 120, 140, 144	BPSK	MCS0
	802.11ax (HE40)	CDD	54, 62, 102, 126, 142	BPSK	MCS0
	802.11ax (HE80)	CDD	58, 106, 122, 138	BPSK	MCS0
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 110, 102, 126, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
Power Spectral Density	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 110, 102, 126, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 110, 102, 126, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
AC Power Conducted Emissions	802.11ax (HE40)	CDD	54	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE40)	CDD	54	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 120, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	CDD	38, 46, 54, 62, 110, 102, 126, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0

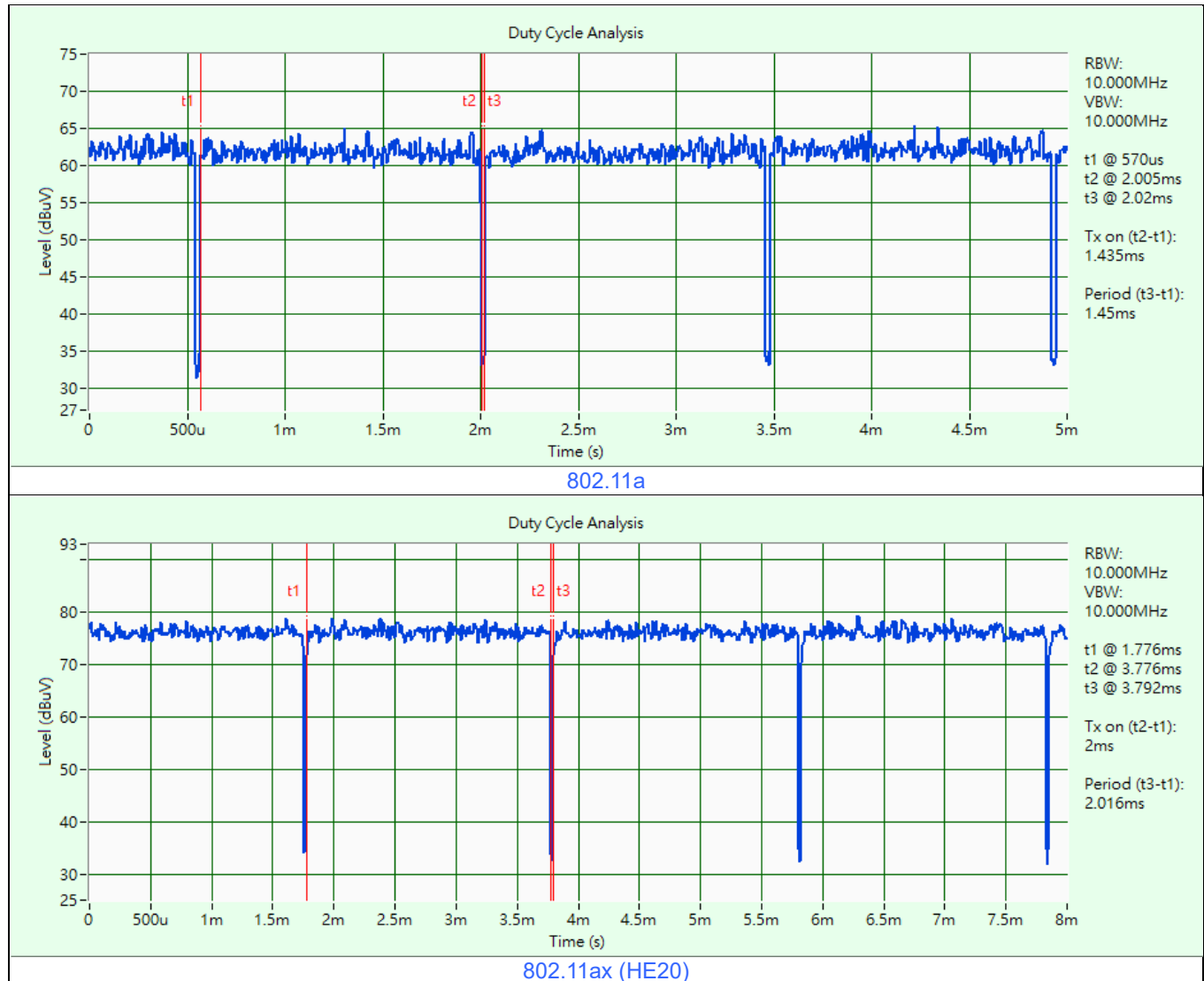
3.5 Duty Cycle of Test Signal

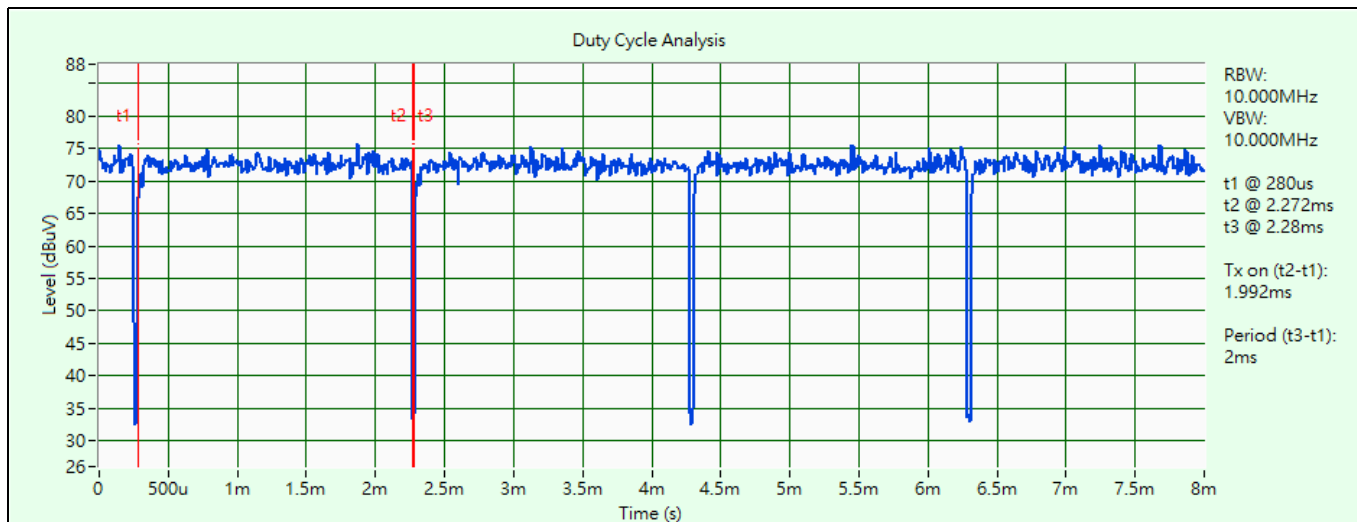
802.11a: Duty cycle = 1.435 ms / 1.45 ms x 100% = 99.0%

802.11ax (HE20): Duty cycle = 2 ms / 2.016 ms x 100% = 99.2%

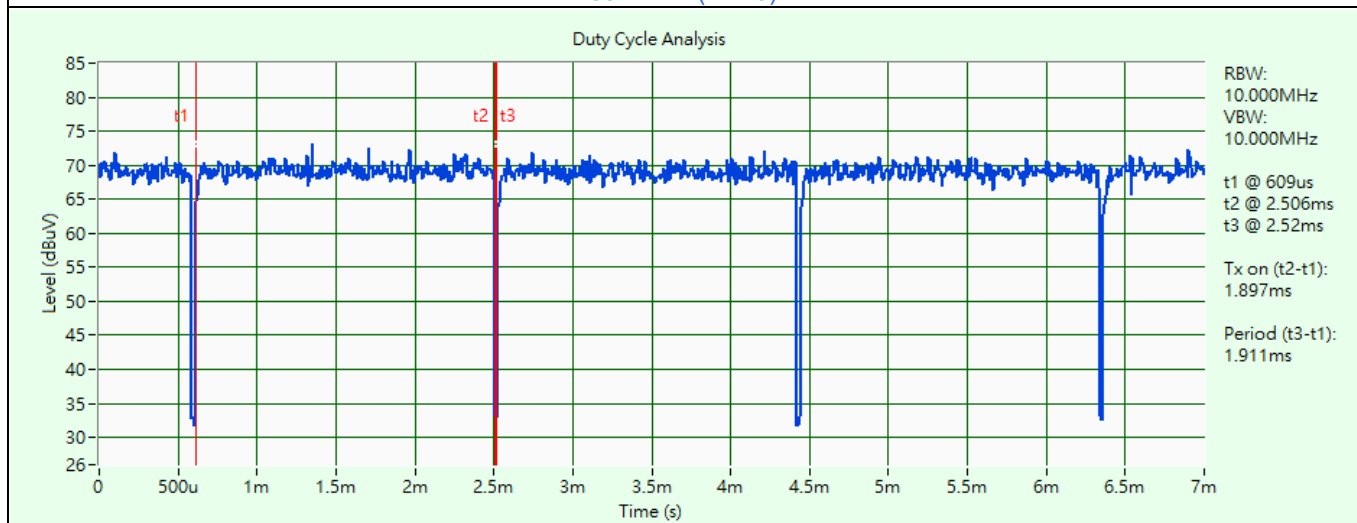
802.11ax (HE40): Duty cycle = 1.992 ms / 2 ms x 100% = 99.6%

802.11ax (HE80): Duty cycle = 1.897 ms / 1.911 ms x 100% = 99.3%





802.11ax (HE40)

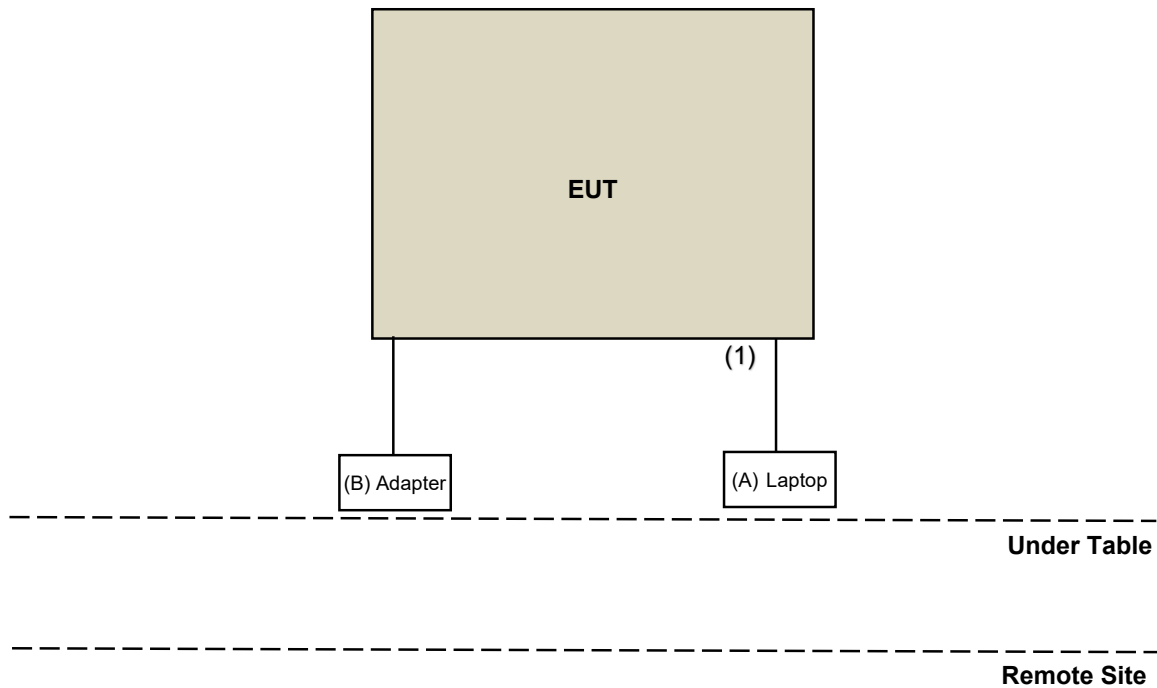


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software ADB 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	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	X250	PC04UZN1	N/A	Provided by Lab
B	Adapter	ZBPOWER	ZB-H120015	N/A	N/A	Accessory of the EUT

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB Cable	1	1.5	No	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSU43	101261	2026/5/4	2027/5/3

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/5/12

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Peak Power Analyzer Keysight	8990B	MY51000538	2025/5/23	2026/5/22
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSU43	101261	2026/5/4	2027/5/3
USB Power Sensor Anritsu	MA24408A	12994	2025/12/5	2026/12/4
Wideband Power Sensor Keysight	N1923A	MY58200003	2025/5/29	2026/5/28

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/5/12

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2025/12/4	2026/12/3
	E1-011280	05	2025/12/4	2026/12/3
	E1-011311	09	2025/12/4	2026/12/3
DC LISN Schwarzbeck	NNBM 8126G	8126G-069	2025/11/3	2026/11/2
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01617	2025/8/23	2026/8/22
EMI Test Receiver R&S	ESR3	102783	2025/12/15	2026/12/14
LISN R&S	ESH2-Z5	100100	2026/3/4	2027/3/3
	ESH3-Z5	100312	2025/8/29	2026/8/28
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2025/8/23	2026/8/22
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2025/8/27	2026/8/26

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2026/8/4

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8447D	2944A10638	2026/4/18	2027/4/17
Preamplifier EMCI	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2026/4/18	2027/4/17
Signal & Spectrum Analyzer R&S	FSW43	101582	2026/5/2	2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4(Hwaya).
2. Tested Date: 2026/8/4

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2025/11/9	2026/11/8
	BBHA 9170	9170-480	2025/11/9	2026/11/8
		BBHA9170243	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier Agilent	8449B	3008A02367	2026/1/3	2027/1/2
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2026/1/3	2027/1/2
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2026/1/3	2027/1/2
Signal & Spectrum Analyzer R&S	FSW43	101582	2026/5/2	2027/5/1
Software BV ADT	ADT_Radiated_ V7.7.1.1.1	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4(Hwaya).
2. Tested Date: 2026/5/8 ~ 2026/8/4

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Points	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Client devices	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 Points	
	Indoor Access Point	
	Client devices	11 dBm/MHz

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1} PK: 10 (dBm/MHz) ^{*2} PK: 15.6 (dBm/MHz) ^{*3} PK: 27 (dBm/MHz) ^{*4}	PK: 68.2 (dBμV/m) ^{*1} PK: 105.2 (dBμV/m) ^{*2} PK: 110.8 (dBμV/m) ^{*3} PK: 122.2 (dBμV/m) ^{*4}

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

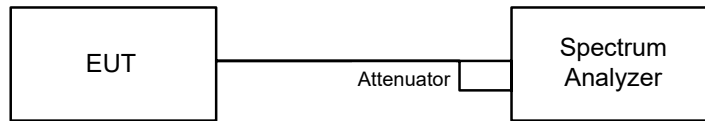
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

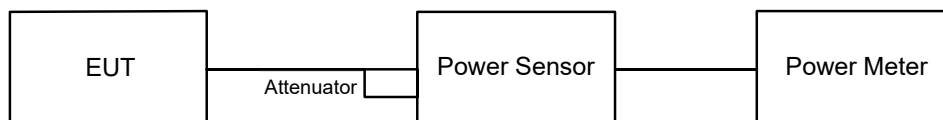


6.1.2 Test Procedure

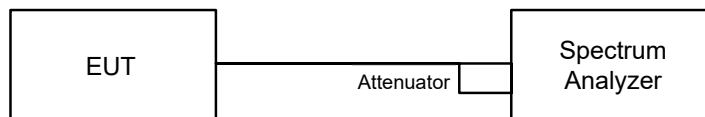
- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

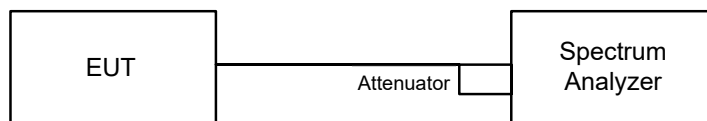
Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging (rms) mode.
- Compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band-power measurement function, with band limits set equal to the 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 99% OBW of the spectrum.
- Record the max value.

Note: When measuring straddle channel power, use compute power by integrating the spectrum across the 99% OBW of the signal using the instrument's band power measurement function, with band limits set equal to the 99% 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 99% OBW of the spectrum.

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- Set span to encompass the entire 99% OBW of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

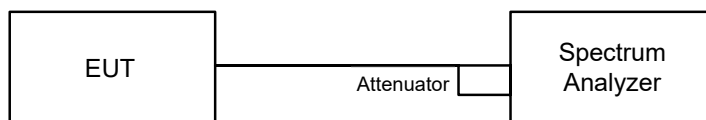
For specified measurement bandwidth 500 kHz:

Method SA-1

- Set span to encompass the entire 99% OBW of the signal
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS.
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where $\text{BWCF} = 10\log(500 \text{ kHz}/300 \text{ kHz})$.
- Sweep points $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value.

6.4 6 dB Bandwidth

6.4.1 Test Setup

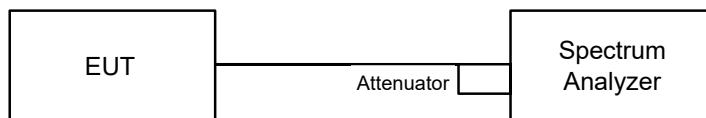


6.4.2 Test Procedure

- Set RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) 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



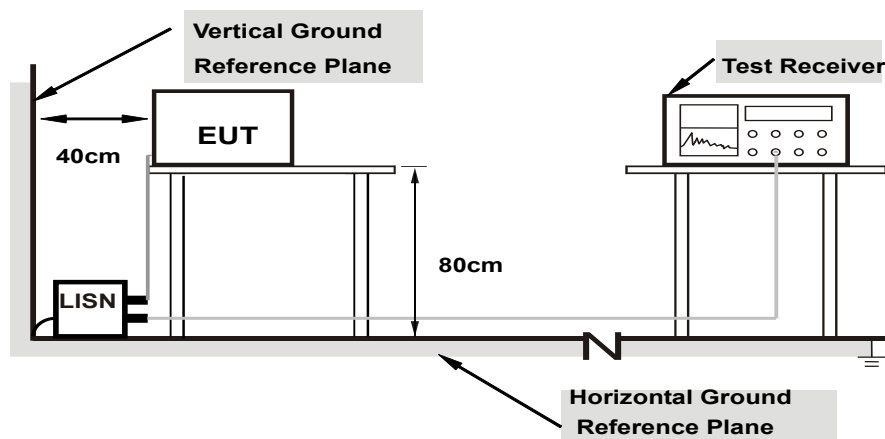
6.5.2 Test Procedure

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

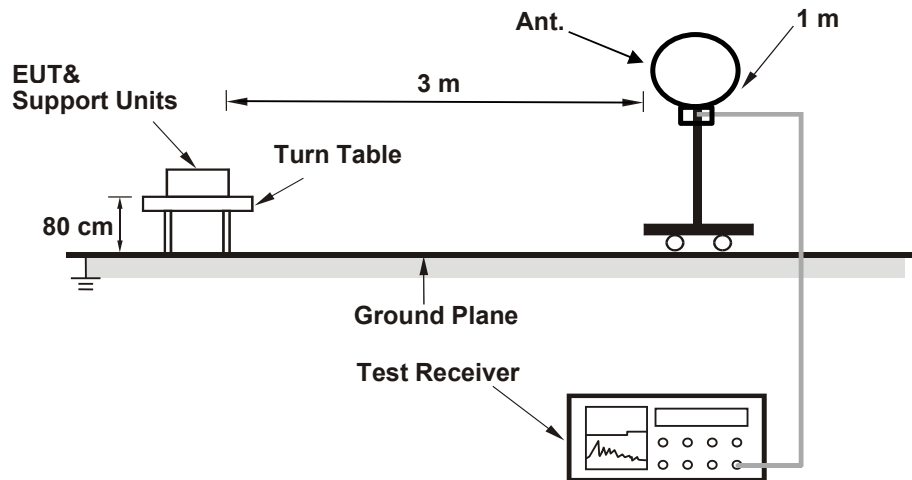
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

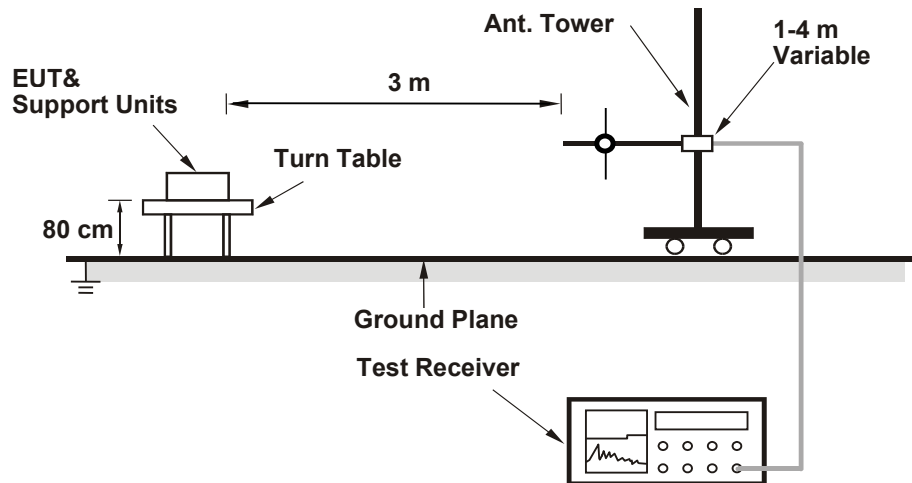
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

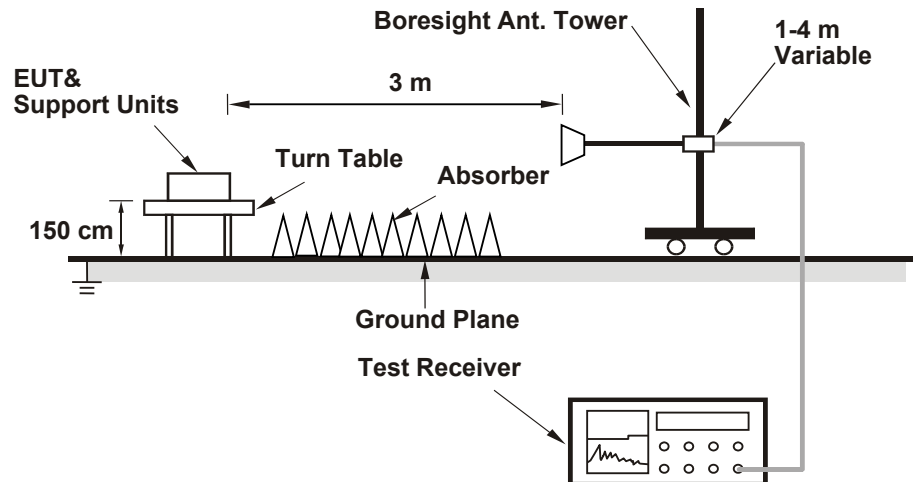
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 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 (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
---------------------------	--------------	------------	------------

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	27.30	27.19
60	5300	27.31	28.05
64	5320	21.35	21.82
100	5500	21.27	21.05
120	5600	21.30	21.26
140	5700	21.33	21.10
144 (U-NII-2C)	5720	15.67	15.63
144 (U-NII-3)	5720	5.64	5.57

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	27.19	25.34	>	24
60	5300	27.31	25.36	>	24
64	5320	21.35	24.29	>	24
100	5500	21.05	24.23	>	24
120	5600	21.26	24.27	>	24
140	5700	21.10	24.24	>	24
144 (U-NII-2C)	5720	15.63	22.93	<	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	27.19	24.58
60	5300	25.70	26.34
64	5320	21.60	21.51
100	5500	21.59	21.59
120	5600	21.96	23.16
140	5700	21.32	21.44
144 (U-NII-2C)	5720	15.92	16.17
144 (U-NII-3)	5720	7.62	7.53

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	24.58	24.9	>	24
60	5300	25.70	25.09	>	24
64	5320	21.51	24.32	>	24
100	5500	21.59	24.34	>	24
120	5600	21.96	24.41	>	24
140	5700	21.32	24.28	>	24
144 (U-NII-2C)	5720	15.92	23.01	<	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	61.52	75.49
62	5310	40.63	40.44
102	5510	40.63	40.60
110	5550	40.82	48.41
126	5630	42.42	45.59
134	5670	40.66	46.15
142 (U-NII-2C)	5710	35.34	38.10
142 (U-NII-3)	5710	7.58	17.29

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	61.52	28.89	>	24
62	5310	40.44	27.06	>	24
102	5510	40.60	27.08	>	24
110	5550	40.82	27.1	>	24
126	5630	42.42	27.27	>	24
142 (U-NII-2C)	5710	35.34	26.48	>	24

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

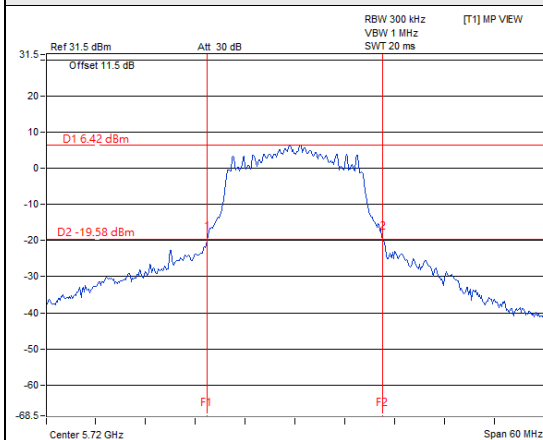
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.83	82.17
106	5530	82.36	82.15
122	5610	127.31	151.00
138 (U-NII-2C)	5690	108.20	127.92
138 (U-NII-3)	5690	19.75	45.27

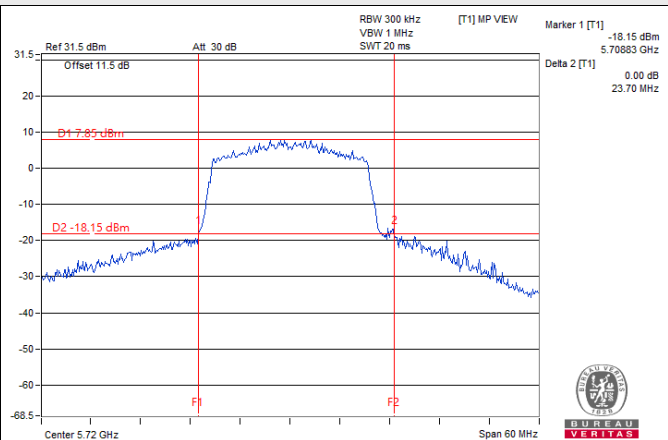
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	82.17	30.14	>	24
106	5530	82.15	30.14	>	24
122	5610	127.31	32.04	>	24
138 (U-NII-2C)	5690	108.20	31.34	>	24

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

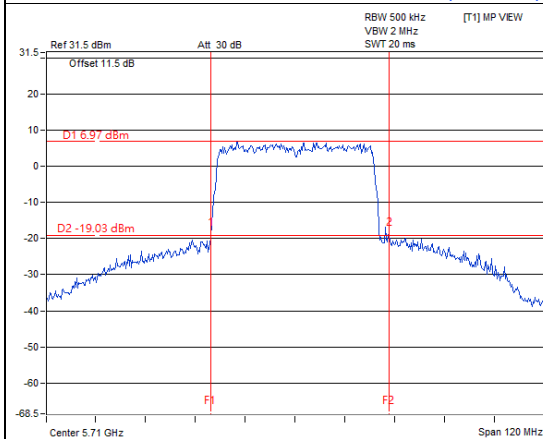
Spectrum Plot of Minimum Value



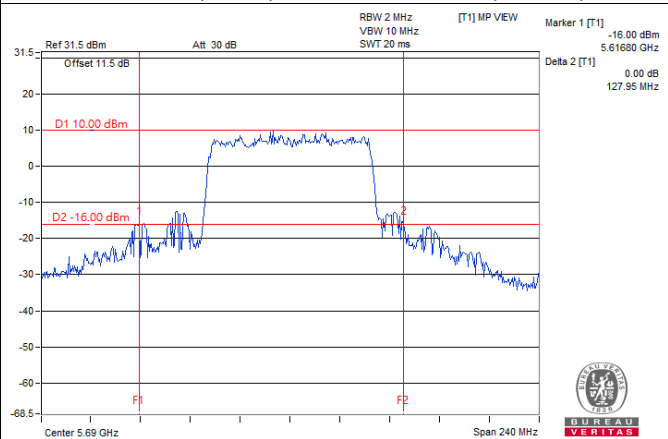
802.11a / Chain 1: CH 144 (U-NII-3)



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



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



802.11ax (HE80) / Chain 0: 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

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
---------------------------	--------------	------------	------------

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	12.45	11.94	33.211	15.21	24	Pass
40	5200	16.59	15.74	83.101	19.20	24	Pass
48	5240	16.65	15.52	81.883	19.13	24	Pass
52	5260	16.73	16.03	87.184	19.40	24	Pass
60	5300	16.32	16.16	84.16	19.25	24	Pass
64	5320	15.12	15.06	64.571	18.10	24	Pass
100	5500	11.86	11.80	30.482	14.84	24	Pass
120	5600	15.79	15.56	73.906	18.69	24	Pass
140	5700	13.38	13.76	45.546	16.58	24	Pass
*144 (U-NII-2C)	5720	12.13	13.47	38.564	15.86	22.93	Pass
*144 (U-NII-3)	5720	3.79	4.36	5.122	7.09	30	Pass
149	5745	15.41	15.17	67.639	18.30	30	Pass
157	5785	15.56	15.80	73.994	18.69	30	Pass
165	5825	15.41	15.21	67.943	18.32	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.42 dBi $\leq$ 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	12.65	12.04	34.403	15.37	24	Pass
40	5200	15.65	14.78	66.789	18.25	24	Pass
48	5240	16.75	15.61	83.707	19.23	24	Pass
52	5260	16.48	16.21	86.246	19.36	24	Pass
60	5300	16.68	16.02	86.553	19.37	24	Pass
64	5320	13.49	13.10	42.753	16.31	24	Pass
100	5500	9.78	9.71	18.86	12.76	24	Pass
120	5600	15.47	15.89	74.052	18.70	24	Pass
140	5700	10.45	10.80	23.114	13.64	24	Pass
*144 (U-NII-2C)	5720	12.85	11.29	32.734	15.15	23.01	Pass
*144 (U-NII-3)	5720	5.76	4.25	6.428	8.08	30	Pass
149	5745	15.95	15.63	75.914	18.80	30	Pass
157	5785	15.56	15.34	70.173	18.46	30	Pass
165	5825	15.64	15.88	75.37	18.77	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.42 dBi $\leq$ 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	9.64	9.23	17.58	12.45	24	Pass
46	5230	16.29	15.57	78.618	18.96	24	Pass
54	5270	16.67	16.25	88.621	19.48	24	Pass
62	5310	11.32	11.25	26.887	14.30	24	Pass
102	5510	8.29	8.40	13.664	11.36	24	Pass
110	5550	13.88	14.10	50.138	17.00	24	Pass
126	5630	14.80	14.77	60.191	17.80	24	Pass
*142 (U-NII-2C)	5710	9.92	12.13	26.148	14.17	24	Pass
*142 (U-NII-3)	5710	2.13	2.42	3.379	5.29	30	Pass
151	5755	16.39	16.22	85.431	19.32	30	Pass
159	5795	16.23	15.91	80.97	19.08	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.42 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

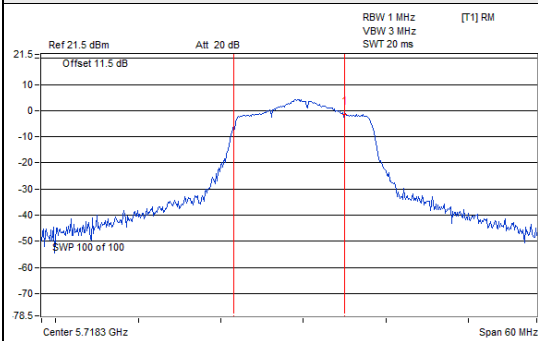
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	9.80	9.05	17.585	12.45	24	Pass
58	5290	10.44	9.75	20.507	13.12	24	Pass
106	5530	9.64	9.07	17.277	12.37	24	Pass
122	5610	14.64	14.85	59.656	17.76	24	Pass
*138 (U-NII-2C)	5690	8.89	10.04	17.837	12.51	24	Pass
*138 (U-NII-3)	5690	-2.50	-1.03	1.3512	1.31	30	Pass
155	5775	11.94	12.15	32.037	15.06	30	Pass

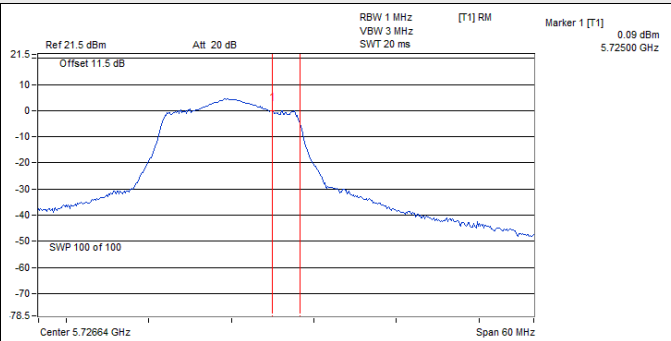
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.95 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.94 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.42 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

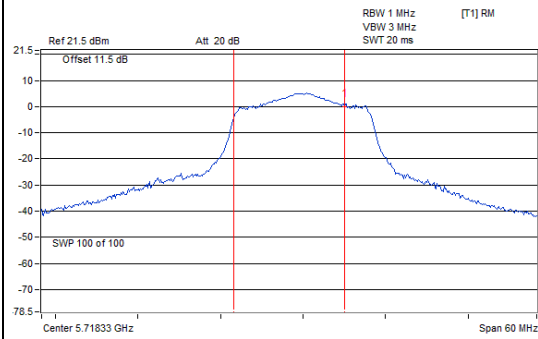
Spectrum Plot for channel straddling



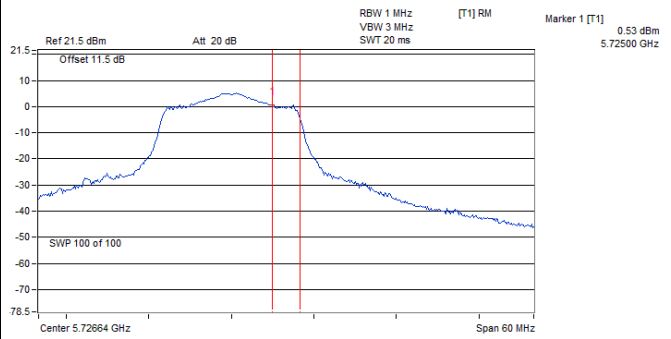
802.11a / Chain 0: CH 144 (U-NII-2C)



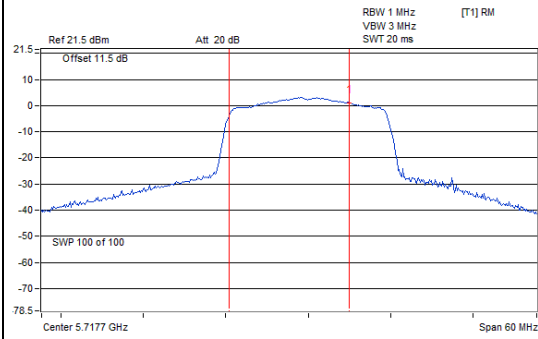
802.11a / Chain 0: CH 144 (U-NII-3)



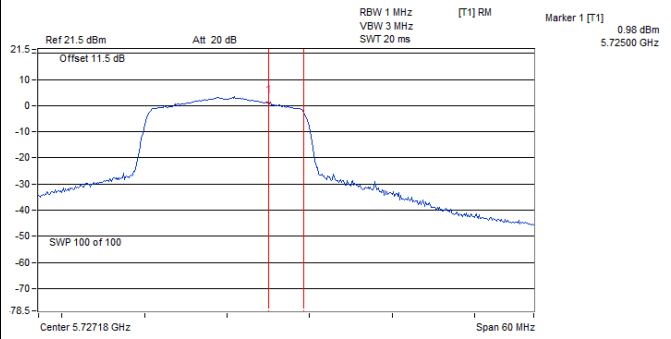
802.11a / Chain 1: CH 144 (U-NII-2C)



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

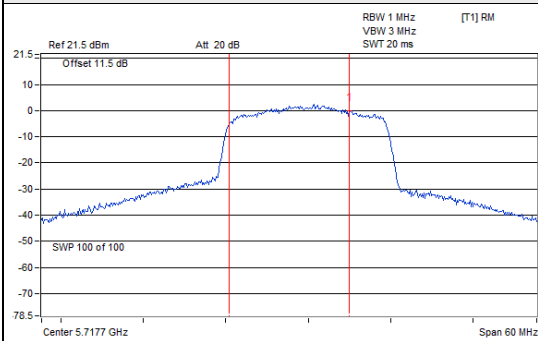


802.11ax (HE20) / Chain 0: CH 144 (U-NII-2C)

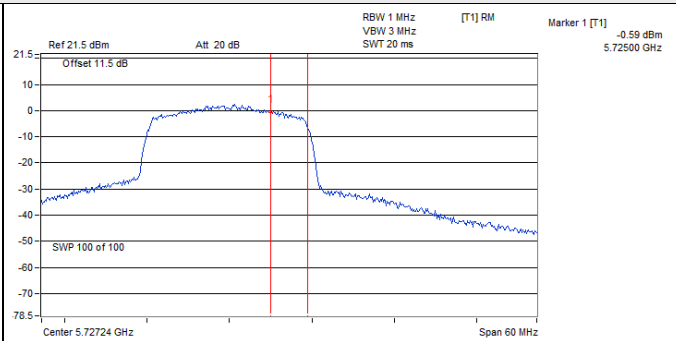


802.11ax (HE20) / Chain 0: CH 144 (U-NII-3)

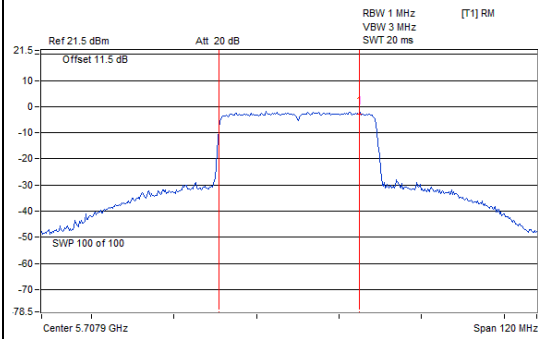
Spectrum Plot for channel straddling



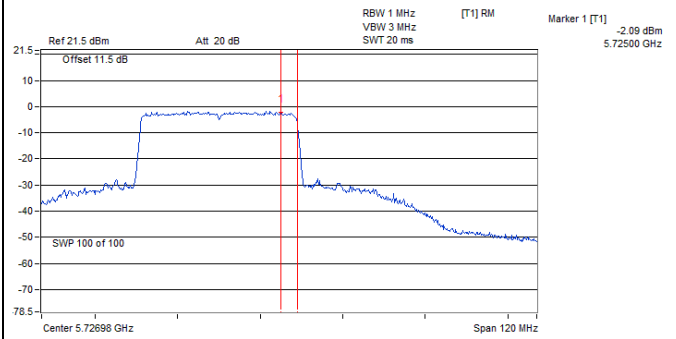
802.11ax (HE20) / Chain 1: CH 144 (U-NII-2C)



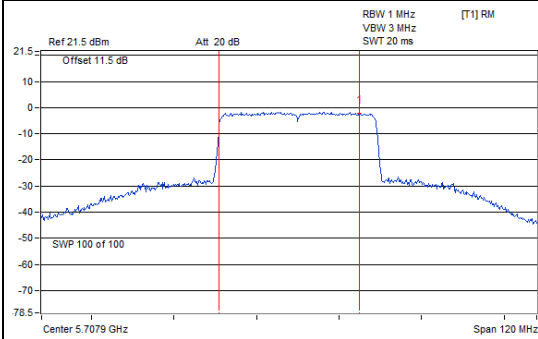
802.11ax (HE20) / Chain 1: CH 144 (U-NII-3)



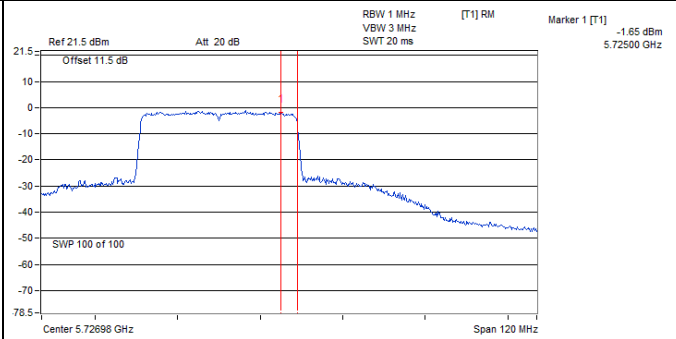
802.11ax (HE40) / Chain 0: CH 142 (U-NII-2C)



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

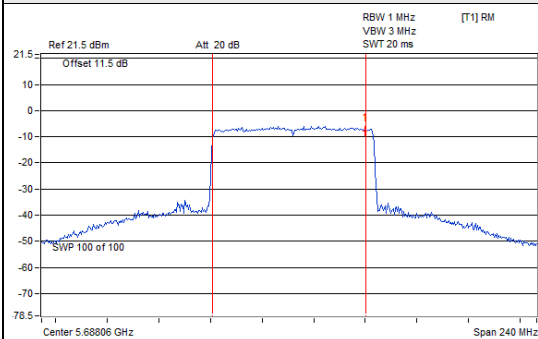


802.11ax (HE40) / Chain 1: CH 142 (U-NII-2C)

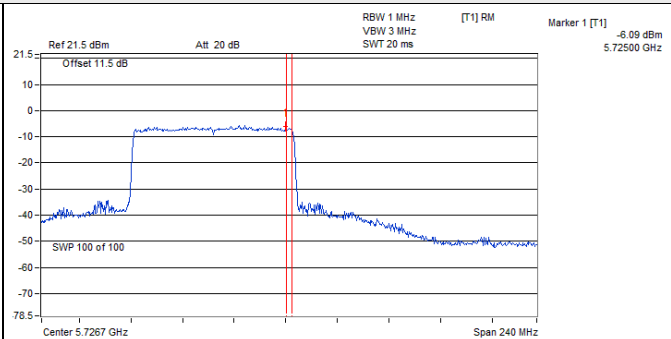


802.11ax (HE40) / Chain 1: CH 142 (U-NII-3)

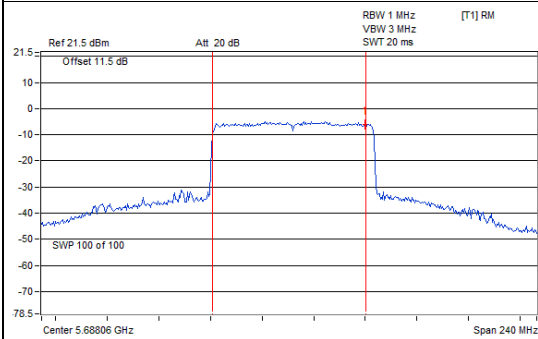
Spectrum Plot for channel straddling



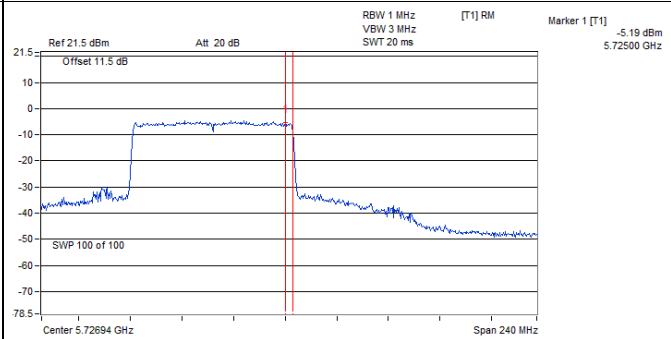
802.11ax (HE80) / Chain 0: CH 138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
---------------------------	--------------	------------	------------

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	0.26	-0.39	2.96	10.2	Pass
40	5200	4.31	3.54	6.95	10.2	Pass
48	5240	4.32	3.51	6.94	10.2	Pass
52	5260	4.47	3.80	7.16	10.2	Pass
60	5300	4.17	3.71	6.96	10.2	Pass
64	5320	2.79	2.78	5.80	10.2	Pass
100	5500	-0.27	-0.47	2.64	11	Pass
120	5600	3.41	3.10	6.27	11	Pass
140	5700	1.33	1.44	4.40	11	Pass
144 (U-NII-2C)	5720	3.40	3.43	6.43	11	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, 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.
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 5.94 dBi ≤ 6 dBi, so the power density limit shall not be reduced.

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	-0.58	-1.08	2.19	10.2	Pass
40	5200	2.49	1.73	5.14	10.2	Pass
48	5240	3.38	2.47	5.96	10.2	Pass
52	5260	3.35	2.88	6.13	10.2	Pass
60	5300	3.38	2.69	6.06	10.2	Pass
64	5320	0.31	-0.46	2.95	10.2	Pass
100	5500	-3.40	-3.60	-0.49	11	Pass
120	5600	2.18	2.53	5.37	11	Pass
140	5700	-2.77	-2.34	0.46	11	Pass
144 (U-NII-2C)	5720	2.28	2.36	5.33	11	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, 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.
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 5.94 dBi ≤ 6 dBi, so the power density limit shall not be reduced.

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	-6.60	-7.35	-3.95	10.2	Pass
46	5230	-0.04	-0.83	2.59	10.2	Pass
54	5270	0.19	0.19	3.20	10.2	Pass
62	5310	-4.78	-4.95	-1.85	10.2	Pass
102	5510	-7.83	-7.91	-4.86	11	Pass
110	5550	-2.19	-1.95	0.94	11	Pass
126	5630	-1.24	-1.25	1.77	11	Pass
142 (U-NII-2C)	5710	-0.84	-0.09	2.56	11	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, 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.
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 5.94 dBi ≤ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-9.76	-10.54	-7.12	10.2	Pass
58	5290	-9.18	-9.77	-6.45	10.2	Pass
106	5530	-9.88	-10.75	-7.28	11	Pass
122	5610	-5.09	-4.60	-1.83	11	Pass
138 (U-NII-2C)	5690	-5.39	-4.97	-2.16	11	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, 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.
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 5.94 dBi ≤ 6 dBi, so the power density limit shall not be reduced.

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	-6.91	-6.72	-3.8	-1.58	29.57	Pass
149	5745	-0.40	-0.32	2.65	4.87	29.57	Pass
157	5785	-0.62	-0.29	2.56	4.78	29.57	Pass
165	5825	-0.18	-0.95	2.46	4.68	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
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	-4.98	-4.66	-1.81	0.41	29.57	Pass
149	5745	-2.48	-2.67	0.44	2.66	29.57	Pass
157	5785	-2.45	-2.61	0.48	2.70	29.57	Pass
165	5825	-2.55	-2.36	0.56	2.78	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 = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
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	-10.16	-9.93	-7.03	-4.81	29.57	Pass
151	5755	-11.67	-11.98	-8.81	-6.59	29.57	Pass
159	5795	-11.61	-11.87	-8.73	-6.51	29.57	Pass

Notes:

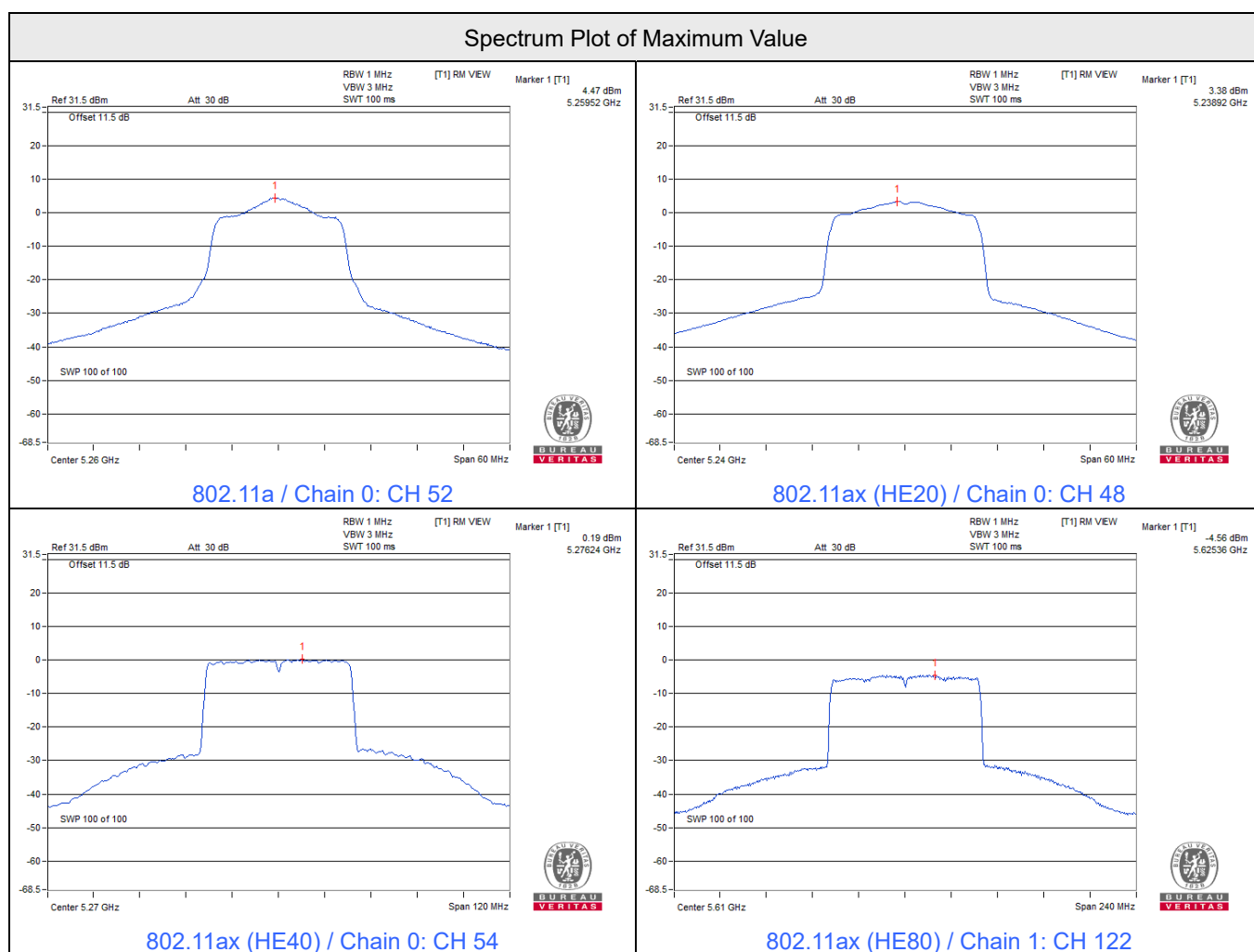
1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.43 dBi > 6 dBi, so the power density limit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

802.11ax (HE80)

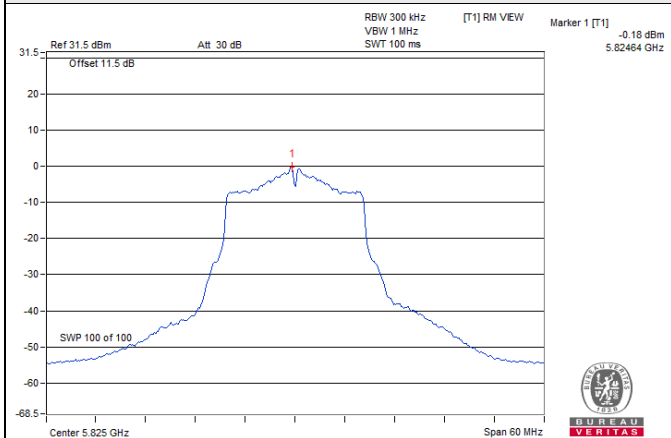
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-14.42	-14.67	-11.53	-9.31	29.57	Pass
155	5775	-19.04	-18.14	-15.56	-13.34	29.57	Pass

Notes:

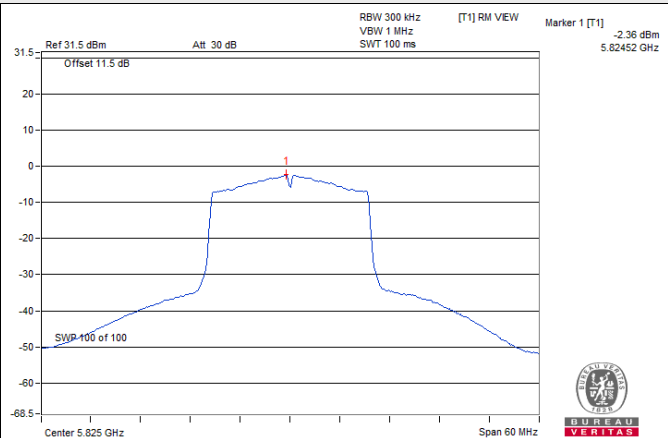
1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 6.43 dBi > 6 dBi, so the power density limit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



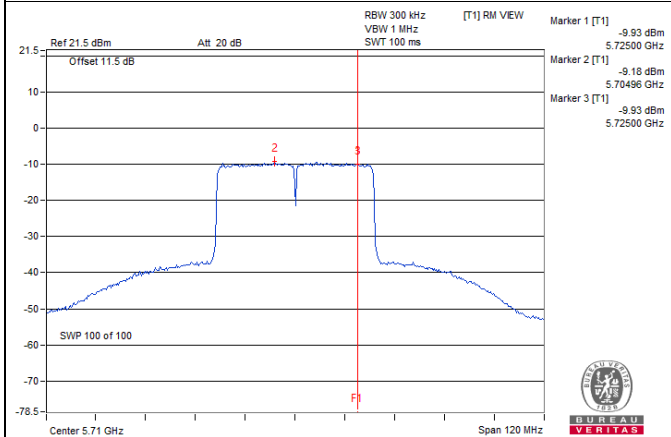
Spectrum Plot of Maximum Value



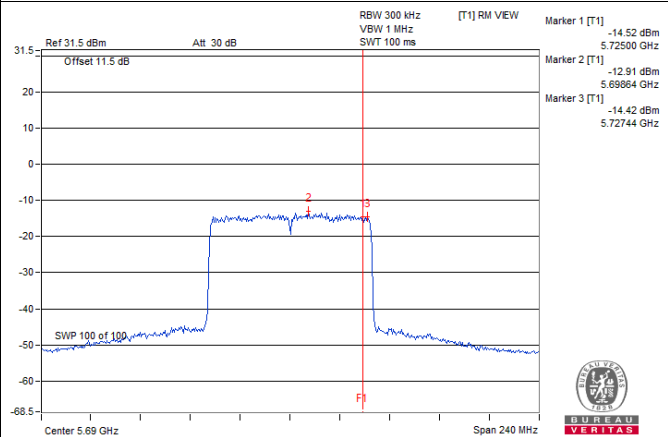
802.11a / Chain 0: CH 165



802.11ax (HE20) / Chain 1: CH 165



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



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

7.4 6 dB Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
---------------------------	--------------	------------	------------

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.63	2.64	0.5	Pass
149	5745	15.34	15.36	0.5	Pass
157	5785	15.37	15.27	0.5	Pass
165	5825	15.31	15.35	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	4.42	4.40	0.5	Pass
149	5745	18.38	17.25	0.5	Pass
157	5785	18.86	18.10	0.5	Pass
165	5825	18.70	18.62	0.5	Pass

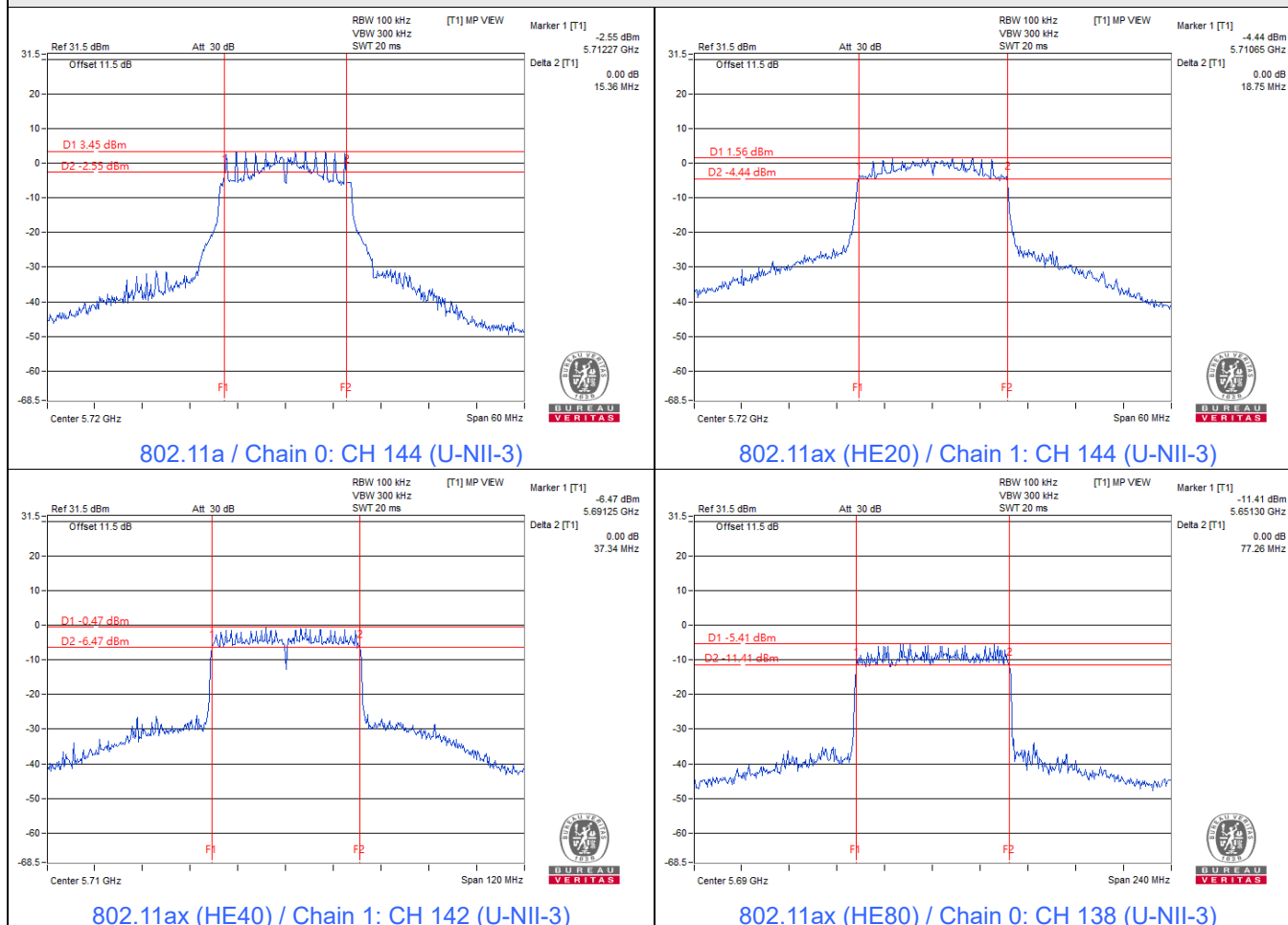
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.99	3.59	0.5	Pass
151	5755	37.84	37.58	0.5	Pass
159	5795	37.72	37.27	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.56	3.58	0.5	Pass
155	5775	76.69	76.91	0.5	Pass

Spectrum Plot of Minimum Value



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

7.5 Occupied Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Match Tsui
---------------------------	--------------	------------	------------

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.68	16.44
40	5200	16.92	16.56
48	5240	16.80	16.68
52	5260	16.80	16.68
60	5300	16.92	16.68
64	5320	16.68	16.68
100	5500	16.56	16.44
120	5600	16.56	16.56
140	5700	16.56	16.56
144 (U-NII-2C)	5720	13.40	13.34
144 (U-NII-3)	5720	3.28	3.28
149	5745	16.68	16.56
157	5785	16.68	16.68
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	18.96
48	5240	19.20	19.08
52	5260	19.20	19.08
60	5300	19.20	19.20
64	5320	18.96	18.96
100	5500	18.96	18.96
120	5600	18.96	19.08
140	5700	18.96	18.96
144 (U-NII-2C)	5720	14.60	14.60
144 (U-NII-3)	5720	4.36	4.48
149	5745	19.08	19.08
157	5785	19.08	19.08
165	5825	18.96	19.08

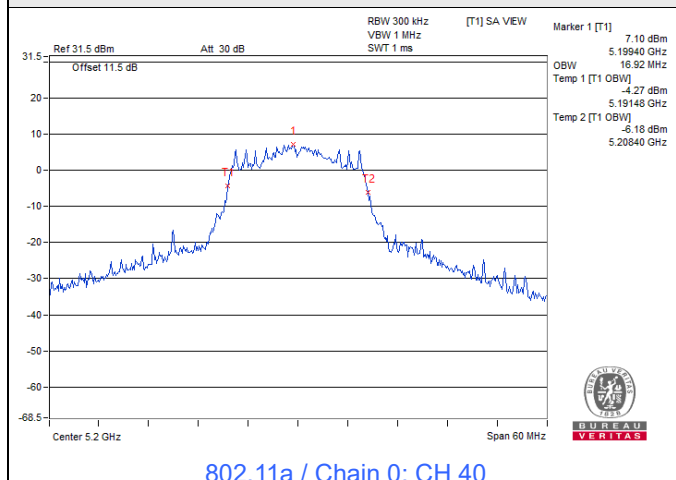
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	38.16
46	5230	38.16	38.16
54	5270	38.40	38.40
62	5310	37.92	37.92
102	5510	38.16	37.92
110	5550	37.89	38.27
126	5630	38.08	38.27
142 (U-NII-2C)	5710	34.20	34.20
142 (U-NII-3)	5710	3.96	3.96
151	5755	38.08	38.27
159	5795	38.27	38.08

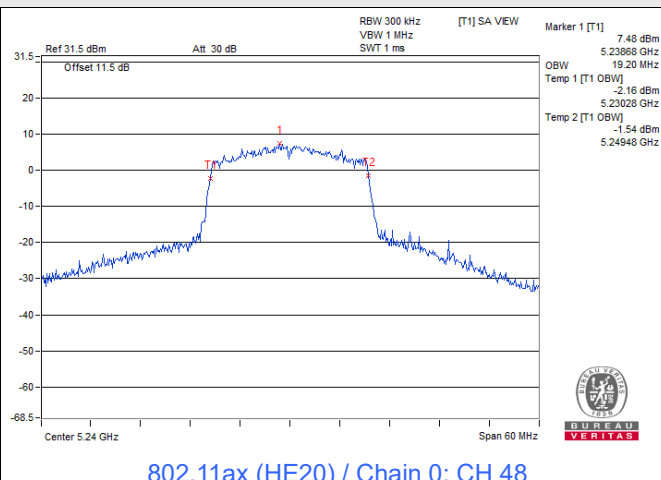
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
58	5290	77.28	76.80
106	5530	77.31	77.31
122	5610	77.28	77.28
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	3.40	3.88
155	5775	77.70	77.31

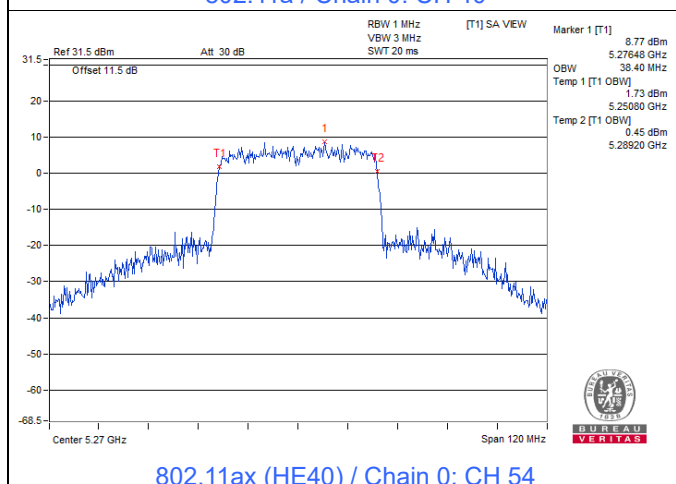
Spectrum Plot of Maximum Value



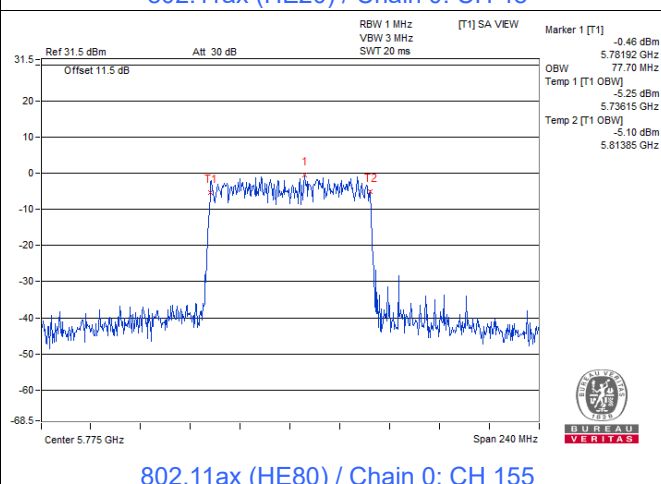
802.11a / Chain 0: CH 40



802.11ax (HE20) / Chain 0: CH 48

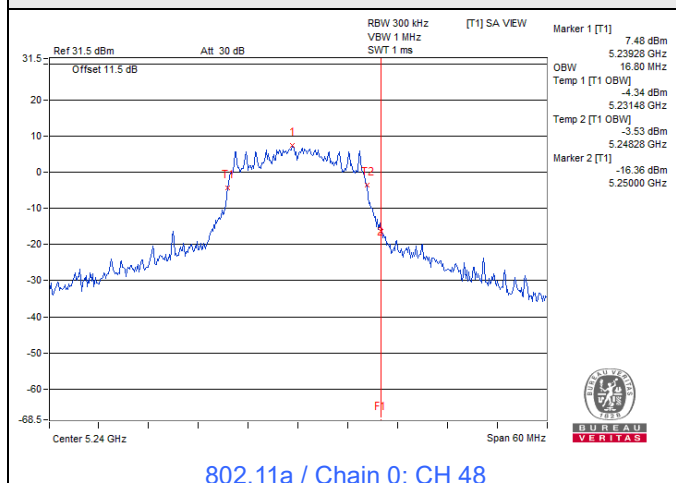


802.11ax (HE40) / Chain 0: CH 54

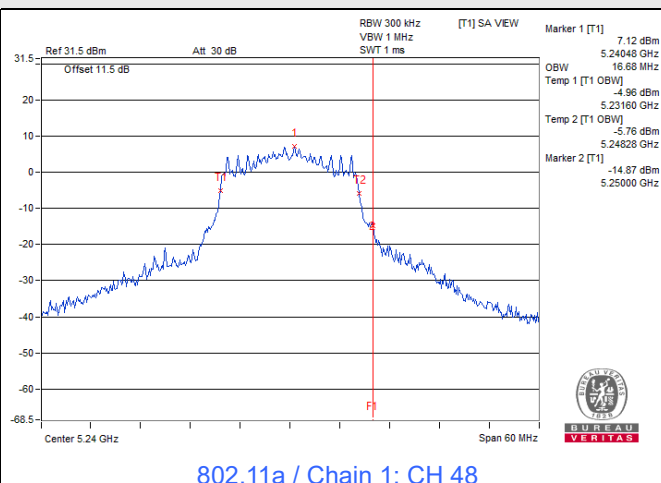


802.11ax (HE80) / Chain 0: CH 155

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

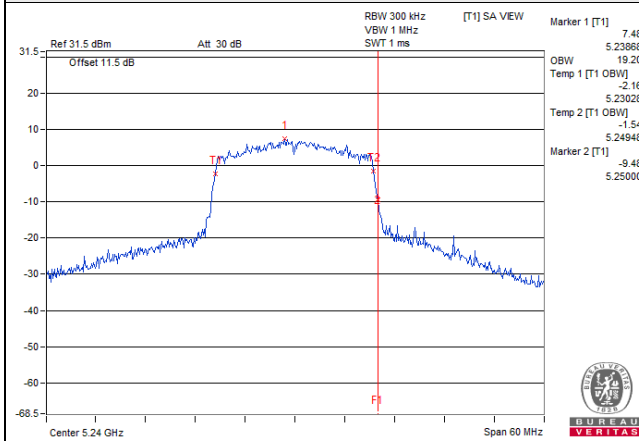


802.11a / Chain 0: CH 48

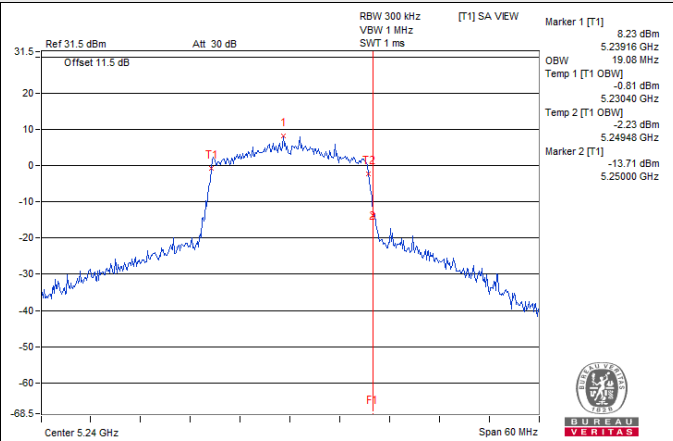


802.11a / Chain 1: CH 48

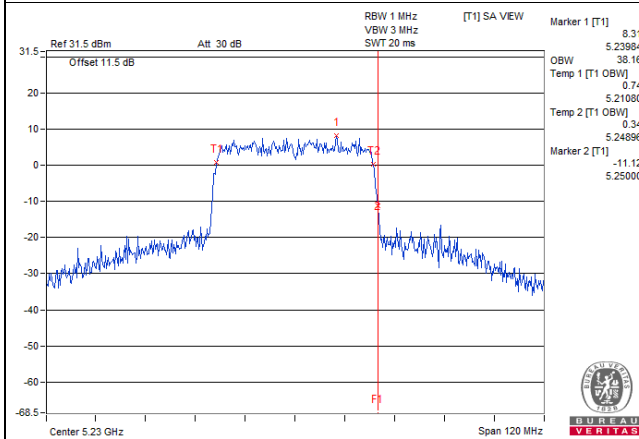
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



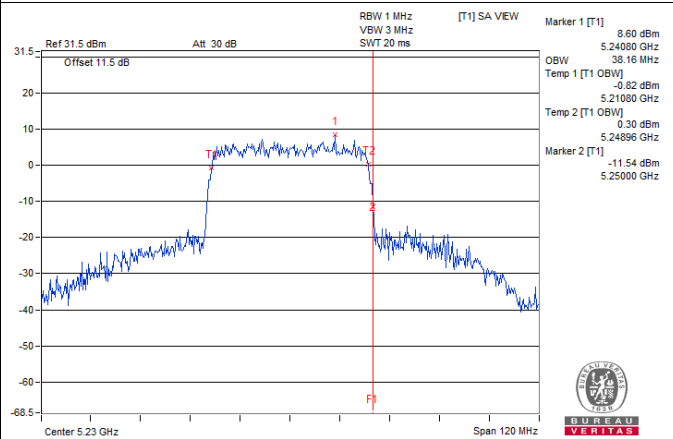
802.11ax (HE20) / Chain 0: CH 48



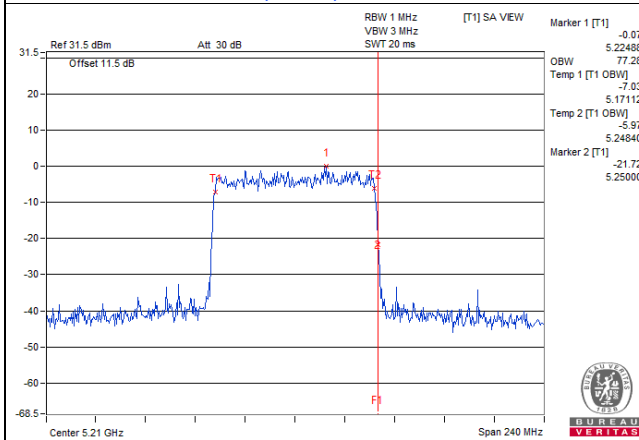
802.11ax (HE20) / Chain 1: CH 48



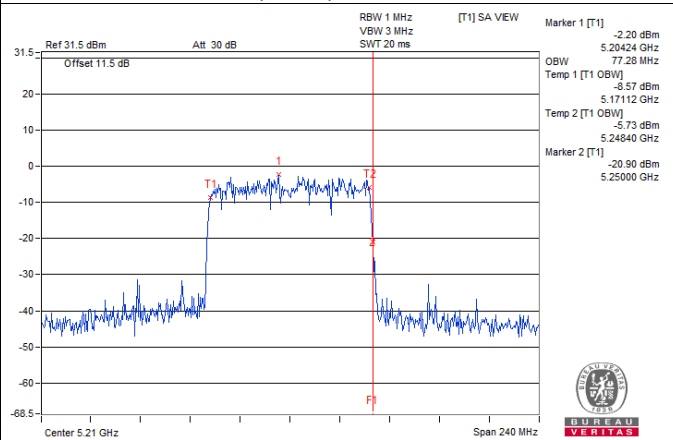
802.11ax (HE40) / Chain 0: CH 46



802.11ax (HE40) / Chain 1: CH 46

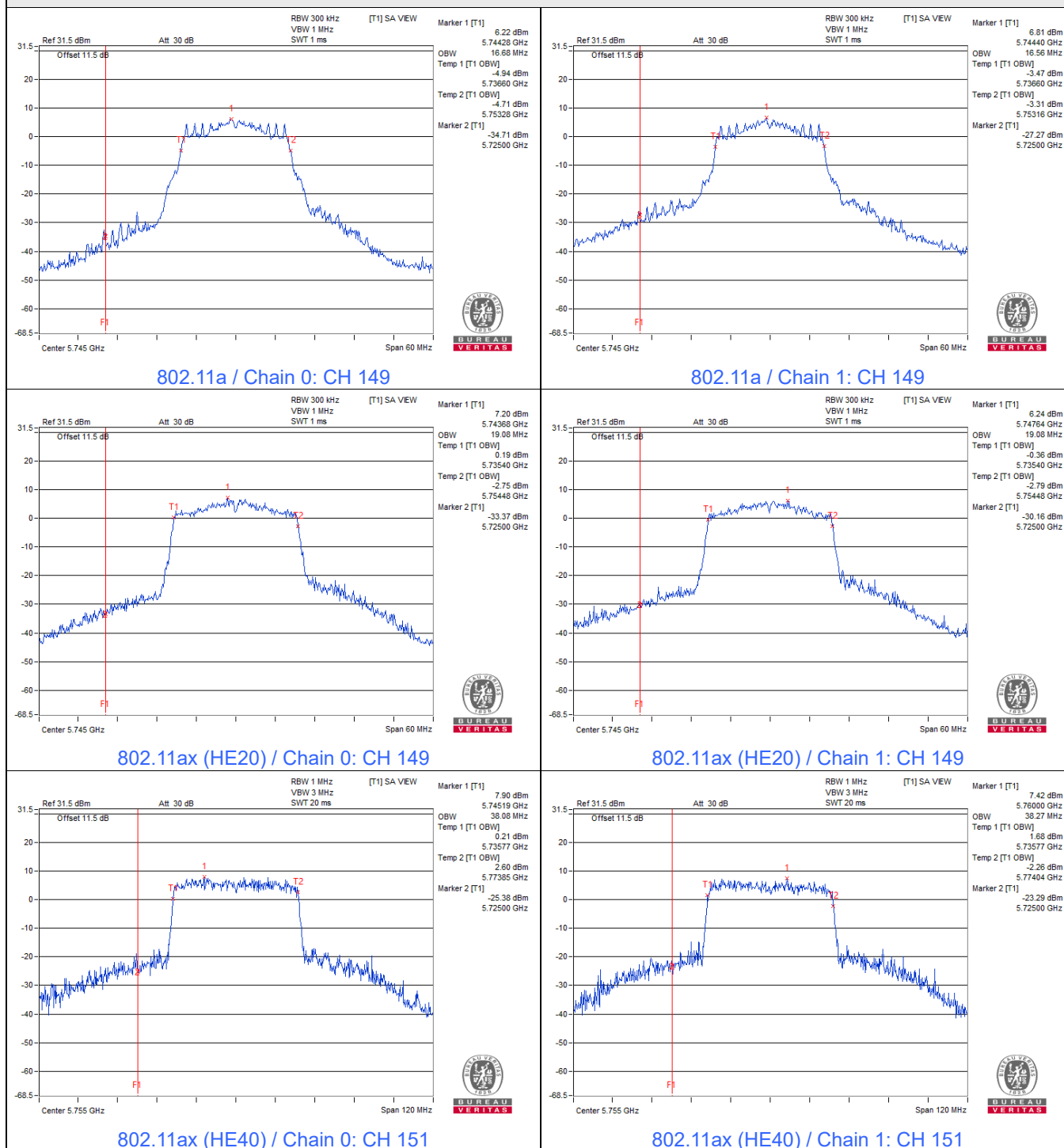


802.11ax (HE80) / Chain 0: CH 42

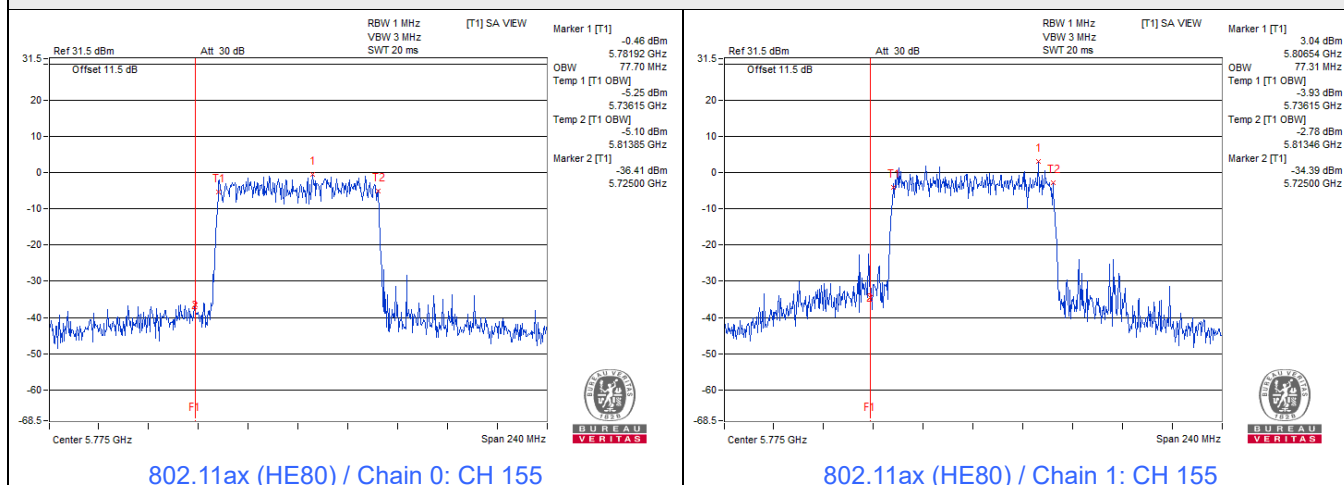


802.11ax (HE80) / Chain 1: CH 42

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



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



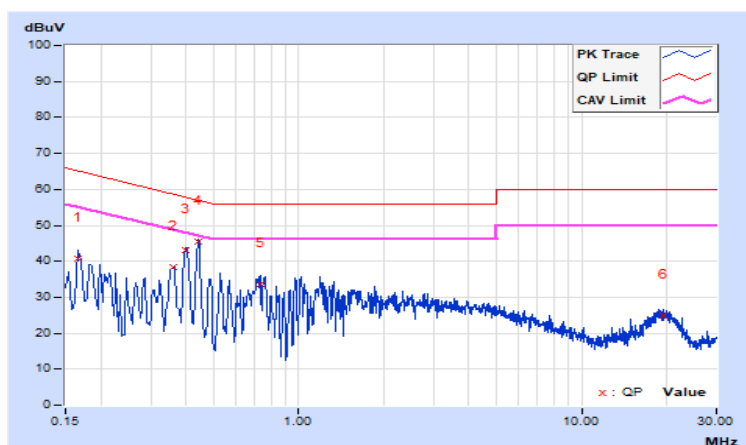
7.6 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69% RH
Tested By	Thomas Cheng		

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	0.16600	10.28	30.41	16.52	40.69	26.80	65.16	55.16	-24.47	-28.36
2	0.36257	10.41	28.14	21.51	38.55	31.92	58.67	48.67	-20.12	-16.75
3	0.40075	10.44	32.78	29.91	43.22	40.35	57.84	47.84	-14.62	-7.49
4	0.44200	10.45	34.98	32.85	45.43	43.30	57.02	47.02	-11.59	-3.72
5	0.73000	10.51	23.30	14.56	33.81	25.07	56.00	46.00	-22.19	-20.93
6	19.45000	12.06	12.82	2.36	24.88	14.42	60.00	50.00	-35.12	-35.58

Remarks:

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

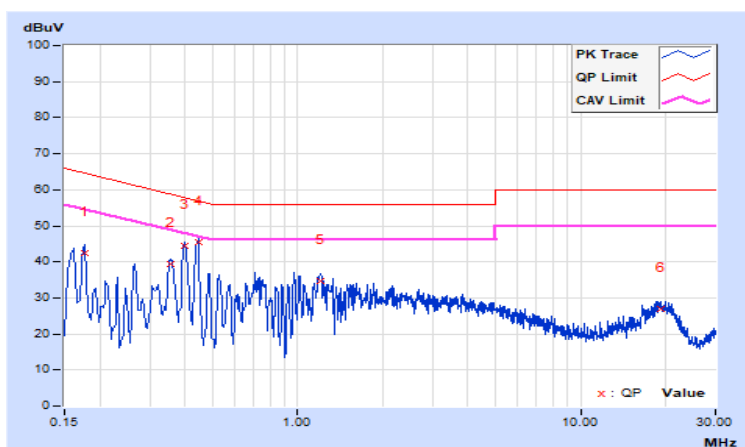


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24 °C, 69% RH
Tested By	Thomas Cheng		

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	0.17800	10.24	32.19	19.23	42.43	29.47	64.58	54.58	-22.15	-25.11
2	0.35400	10.38	29.16	23.78	39.54	34.16	58.87	48.87	-19.33	-14.71
3	0.39759	10.42	34.02	29.75	44.44	40.17	57.90	47.90	-13.46	-7.73
4	0.44600	10.44	35.13	32.02	45.57	42.46	56.95	46.95	-11.38	-4.49
5	1.19800	10.67	24.02	16.82	34.69	27.49	56.00	46.00	-21.31	-18.51
6	19.32600	11.99	14.85	4.63	26.84	16.62	60.00	50.00	-33.16	-33.38

Remarks:

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



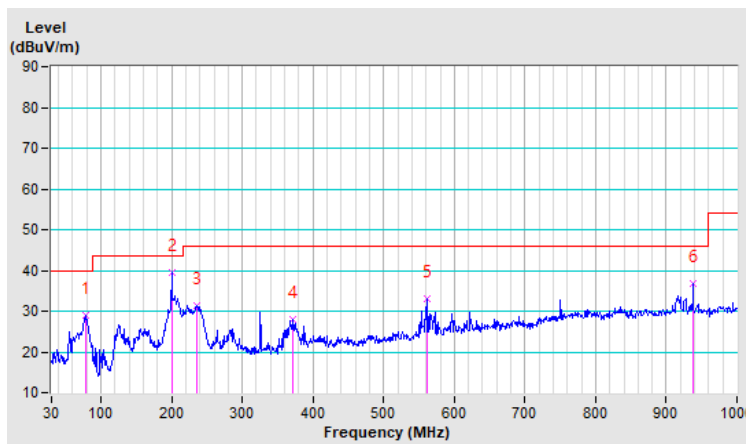
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 67% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	77.53	28.9 QP	40.0	-11.1	1.00 H	260	45.4	-16.5
2	199.75	39.6 QP	43.5	-3.9	1.50 H	185	55.1	-15.5
3	235.64	31.4 QP	46.0	-14.6	1.50 H	47	45.5	-14.1
4	370.47	27.9 QP	46.0	-18.1	1.00 H	148	37.9	-10.0
5	562.53	33.2 QP	46.0	-12.8	2.00 H	69	38.7	-5.5
6	937.92	36.8 QP	46.0	-9.2	2.00 H	322	36.0	0.8

Remarks:

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

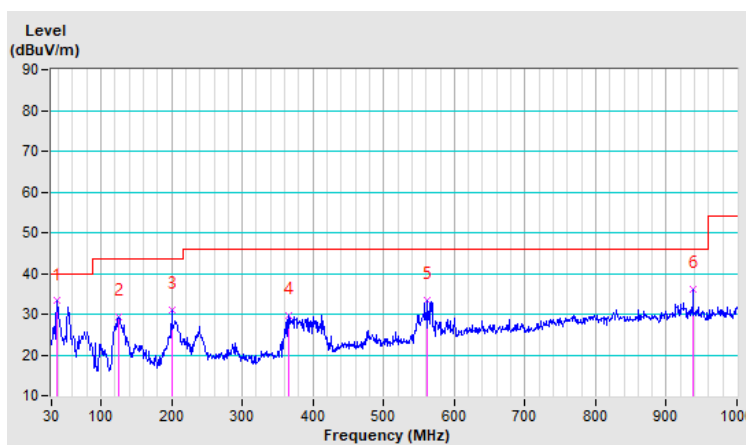


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 67% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	33.2 QP	40.0	-6.8	1.00 V	82	45.6	-12.4
2	124.09	29.2 QP	43.5	-14.3	1.00 V	120	43.3	-14.1
3	199.75	31.0 QP	43.5	-12.5	1.00 V	2	46.5	-15.5
4	365.62	29.7 QP	46.0	-16.3	1.00 V	185	39.9	-10.2
5	562.53	33.5 QP	46.0	-12.5	2.00 V	54	39.0	-5.5
6	937.92	36.2 QP	46.0	-9.8	1.50 V	41	35.4	0.8

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.9 PK	74.0	-6.1	1.72 H	340	45.6	22.3
2	5150.00	49.5 AV	54.0	-4.5	1.72 H	340	27.2	22.3
3	*5180.00	108.4 PK			1.72 H	340	66.5	41.9
4	*5180.00	98.8 AV			1.72 H	340	56.9	41.9
5	#10360.00	64.1 PK	68.2	-4.1	2.12 H	195	39.5	24.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	73.3 PK	74.0	-0.7	2.03 V	297	51.0	22.3
2	5150.00	51.6 AV	54.0	-2.4	2.03 V	297	29.3	22.3
3	*5180.00	113.9 PK			2.03 V	297	72.0	41.9
4	*5180.00	105.0 AV			2.03 V	297	63.1	41.9
5	#10360.00	64.3 PK	68.2	-3.9	2.64 V	205	39.7	24.6

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	111.9 PK			1.77 H	337	70.1	41.8
2	*5200.00	102.8 AV			1.77 H	337	61.0	41.8
3	#10400.00	63.1 PK	68.2	-5.1	2.08 H	200	38.8	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	117.5 PK			2.00 V	297	75.7	41.8
2	*5200.00	108.9 AV			2.00 V	297	67.1	41.8
3	#10400.00	63.4 PK	68.2	-4.8	2.78 V	210	39.1	24.3

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.5 PK			1.81 H	334	69.8	41.7
2	*5240.00	103.3 AV			1.81 H	334	61.6	41.7
3	5350.00	61.8 PK	74.0	-12.2	1.81 H	334	39.8	22.0
4	5350.00	48.4 AV	54.0	-5.6	1.81 H	334	26.4	22.0
5	#10480.00	62.8 PK	68.2	-5.4	2.05 H	192	38.3	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	118.1 PK			2.04 V	248	76.4	41.7
2	*5240.00	109.4 AV			2.04 V	248	67.7	41.7
3	5350.00	61.9 PK	74.0	-12.1	2.04 V	248	39.9	22.0
4	5350.00	48.5 AV	54.0	-5.5	2.04 V	248	26.5	22.0
5	#10480.00	63.0 PK	68.2	-5.2	2.82 V	221	38.5	24.5

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 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.7 PK	74.0	-12.3	1.71 H	337	39.4	22.3
2	5150.00	48.5 AV	54.0	-5.5	1.71 H	337	26.2	22.3
3	*5260.00	112.7 PK			1.71 H	337	71.1	41.6
4	*5260.00	103.4 AV			1.71 H	337	61.8	41.6
5	#10520.00	63.3 PK	68.2	-4.9	2.08 H	190	38.6	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.0 PK	74.0	-12.0	1.98 V	244	39.7	22.3
2	5150.00	48.6 AV	54.0	-5.4	1.98 V	244	26.3	22.3
3	*5260.00	118.4 PK			1.98 V	244	76.8	41.6
4	*5260.00	109.7 AV			1.98 V	244	68.1	41.6
5	#10520.00	63.6 PK	68.2	-4.6	2.62 V	228	38.9	24.7

Remarks:

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

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.7 PK			1.79 H	334	70.3	41.4
2	*5300.00	102.8 AV			1.79 H	334	61.4	41.4
3	10600.00	64.4 PK	74.0	-9.6	2.08 H	189	39.5	24.9
4	10600.00	50.7 AV	54.0	-3.3	2.08 H	189	25.8	24.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.2 PK			1.97 V	243	75.8	41.4
2	*5300.00	109.0 AV			1.97 V	243	67.6	41.4
3	10600.00	64.7 PK	74.0	-9.3	2.69 V	226	39.8	24.9
4	10600.00	51.0 AV	54.0	-3.0	2.69 V	226	26.1	24.9

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.

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.2 PK			1.68 H	339	68.7	41.5
2	*5320.00	101.4 AV			1.68 H	339	59.9	41.5
3	5350.00	66.2 PK	74.0	-7.8	1.68 H	339	44.2	22.0
4	5350.00	50.9 AV	54.0	-3.1	1.68 H	339	28.9	22.0
5	10640.00	63.9 PK	74.0	-10.1	2.05 H	200	38.7	25.2
6	10640.00	50.9 AV	54.0	-3.1	2.05 H	200	25.7	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.4 PK			1.97 V	240	74.9	41.5
2	*5320.00	107.6 AV			1.97 V	240	66.1	41.5
3	5350.00	73.3 PK	74.0	-0.7	1.97 V	240	51.3	22.0
4	5350.00	53.8 AV	54.0	-0.2	1.97 V	240	31.8	22.0
5	10640.00	64.2 PK	74.0	-9.8	2.72 V	233	39.0	25.2
6	10640.00	51.0 AV	54.0	-3.0	2.72 V	233	25.8	25.2

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.0 PK	74.0	-12.0	2.64 H	181	39.3	22.7
2	5460.00	49.0 AV	54.0	-5.0	2.64 H	181	26.3	22.7
3	#5470.00	64.0 PK	68.2	-4.2	2.64 H	181	41.3	22.7
4	*5500.00	107.8 PK			2.64 H	181	65.7	42.1
5	*5500.00	98.4 AV			2.64 H	181	56.3	42.1
6	11000.00	64.0 PK	74.0	-10.0	2.08 H	191	38.3	25.7
7	11000.00	50.0 AV	54.0	-4.0	2.08 H	191	24.3	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.96 V	243	41.8	22.7
2	5460.00	49.1 AV	54.0	-4.9	1.96 V	243	26.4	22.7
3	#5470.00	67.7 PK	68.2	-0.5	1.96 V	243	45.0	22.7
4	*5500.00	113.0 PK			1.96 V	243	70.9	42.1
5	*5500.00	104.0 AV			1.96 V	243	61.9	42.1
6	11000.00	64.2 PK	74.0	-9.8	2.66 V	225	38.5	25.7
7	11000.00	50.1 AV	54.0	-3.9	2.66 V	225	24.4	25.7

Remarks:

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

RF Mode	802.11a	Channel	CH 120 : 5600 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5600.00	111.8 PK			2.69 H	182	69.6	42.2
2	*5600.00	102.4 AV			2.69 H	182	60.2	42.2
3	11200.00	63.5 PK	74.0	-10.5	2.12 H	195	38.4	25.1
4	11200.00	50.4 AV	54.0	-3.6	2.12 H	195	25.3	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5600.00	117.0 PK			3.19 V	275	74.8	42.2
2	*5600.00	107.9 AV			3.19 V	275	65.7	42.2
3	11200.00	63.6 PK	74.0	-10.4	2.75 V	227	38.5	25.1
4	11200.00	50.5 AV	54.0	-3.5	2.75 V	227	25.4	25.1

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 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.1 PK			2.58 H	179	66.2	41.9
2	*5700.00	99.3 AV			2.58 H	179	57.4	41.9
3	#5725.00	64.0 PK	68.2	-4.2	2.58 H	179	41.3	22.7
4	11400.00	63.9 PK	74.0	-10.1	2.13 H	200	39.0	24.9
5	11400.00	50.0 AV	54.0	-4.0	2.13 H	200	25.1	24.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.9 PK			3.22 V	274	73.0	41.9
2	*5700.00	105.1 AV			3.22 V	274	63.2	41.9
3	#5725.00	67.6 PK	68.2	-0.6	3.22 V	274	44.9	22.7
4	11400.00	64.2 PK	74.0	-9.8	2.80 V	231	39.3	24.9
5	11400.00	50.3 AV	54.0	-3.7	2.80 V	231	25.4	24.9

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 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.7 PK	68.2	-6.5	2.69 H	183	39.0	22.7
2	*5720.00	110.6 PK			2.69 H	183	68.5	42.1
3	*5720.00	101.4 AV			2.69 H	183	59.3	42.1
4	#5850.00	61.8 PK	68.2	-6.4	2.69 H	183	38.8	23.0
5	11440.00	63.4 PK	74.0	-10.6	2.07 H	195	38.6	24.8
6	11440.00	49.8 AV	54.0	-4.2	2.07 H	195	25.0	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.0 PK	68.2	-6.2	2.61 V	246	39.3	22.7
2	*5720.00	116.5 PK			2.61 V	246	74.4	42.1
3	*5720.00	106.9 AV			2.61 V	246	64.8	42.1
4	#5850.00	62.2 PK	68.2	-6.0	2.61 V	246	39.2	23.0
5	11440.00	63.5 PK	74.0	-10.5	2.84 V	224	38.7	24.8
6	11440.00	50.0 AV	54.0	-4.0	2.84 V	224	25.2	24.8

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5618.00	60.6 PK	68.2	-7.6	1.69 H	66	38.0	22.6
2	*5745.00	111.1 PK			1.69 H	66	68.8	42.3
3	*5745.00	101.6 AV			1.69 H	66	59.3	42.3
4	#5930.00	61.8 PK	68.2	-6.4	1.69 H	66	38.2	23.6
5	11490.00	62.8 PK	74.0	-11.2	2.19 H	197	38.0	24.8
6	11490.00	49.3 AV	54.0	-4.7	2.19 H	197	24.5	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.40	61.5 PK	68.2	-6.7	1.95 V	276	38.9	22.6
2	*5745.00	116.7 PK			1.95 V	276	74.4	42.3
3	*5745.00	107.8 AV			1.95 V	276	65.5	42.3
4	#5926.40	62.4 PK	68.2	-5.8	1.95 V	276	38.8	23.6
5	11490.00	63.1 PK	74.0	-10.9	2.82 V	231	38.3	24.8
6	11490.00	49.5 AV	54.0	-4.5	2.82 V	231	24.7	24.8

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.

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.20	60.8 PK	68.2	-7.4	1.72 H	69	38.3	22.5
2	*5785.00	111.5 PK			1.72 H	69	69.0	42.5
3	*5785.00	102.2 AV			1.72 H	69	59.7	42.5
4	#5934.40	62.0 PK	68.2	-6.2	1.72 H	69	38.4	23.6
5	11570.00	62.6 PK	74.0	-11.4	2.22 H	204	37.6	25.0
6	11570.00	49.5 AV	54.0	-4.5	2.22 H	204	24.5	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5608.00	60.8 PK	68.2	-7.4	2.51 V	271	38.2	22.6
2	*5785.00	117.3 PK			2.51 V	271	74.8	42.5
3	*5785.00	107.8 AV			2.51 V	271	65.3	42.5
4	#5972.00	62.5 PK	68.2	-5.7	2.51 V	271	38.9	23.6
5	11570.00	62.9 PK	74.0	-11.1	2.75 V	224	37.9	25.0
6	11570.00	49.8 AV	54.0	-4.2	2.75 V	224	24.8	25.0

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.80	61.0 PK	68.2	-7.2	1.65 H	65	38.4	22.6
2	*5825.00	111.1 PK			1.65 H	65	68.5	42.6
3	*5825.00	101.9 AV			1.65 H	65	59.3	42.6
4	#5959.20	61.7 PK	68.2	-6.5	1.65 H	65	38.1	23.6
5	11650.00	63.2 PK	74.0	-10.8	2.13 H	200	38.0	25.2
6	11650.00	49.6 AV	54.0	-4.4	2.13 H	200	24.4	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5622.40	60.7 PK	68.2	-7.5	1.95 V	295	38.1	22.6
2	*5825.00	116.1 PK			1.95 V	295	73.5	42.6
3	*5825.00	107.4 AV			1.95 V	295	64.8	42.6
4	#5946.80	62.6 PK	68.2	-5.6	1.95 V	295	39.0	23.6
5	11650.00	63.3 PK	74.0	-10.7	2.85 V	229	38.1	25.2
6	11650.00	49.7 AV	54.0	-4.3	2.85 V	229	24.5	25.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	66.1 PK	74.0	-7.9	1.65 H	343	43.8	22.3
2	5150.00	49.5 AV	54.0	-4.5	1.65 H	343	27.2	22.3
3	*5180.00	108.5 PK			1.65 H	343	66.6	41.9
4	*5180.00	96.1 AV			1.65 H	343	54.2	41.9
5	#10360.00	63.3 PK	68.2	-4.9	2.15 H	190	38.7	24.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	73.0 PK	74.0	-1.0	2.05 V	251	50.7	22.3
2	5150.00	51.6 AV	54.0	-2.4	2.05 V	251	29.3	22.3
3	*5180.00	114.5 PK			2.05 V	251	72.6	41.9
4	*5180.00	101.9 AV			2.05 V	251	60.0	41.9
5	#10360.00	63.5 PK	68.2	-4.7	2.71 V	215	38.9	24.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.8 PK	74.0	-8.2	1.76 H	339	43.5	22.3
2	5150.00	50.0 AV	54.0	-4.0	1.76 H	339	27.7	22.3
3	*5200.00	111.8 PK			1.76 H	339	70.0	41.8
4	*5200.00	99.4 AV			1.76 H	339	57.6	41.8
5	#10400.00	63.2 PK	68.2	-5.0	2.08 H	197	38.9	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	69.4 PK	74.0	-4.6	1.97 V	245	47.1	22.3
2	5150.00	52.3 AV	54.0	-1.7	1.97 V	245	30.0	22.3
3	*5200.00	118.3 PK			1.97 V	245	76.5	41.8
4	*5200.00	105.3 AV			1.97 V	245	63.5	41.8
5	#10400.00	63.4 PK	68.2	-4.8	2.64 V	220	39.1	24.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	113.4 PK			1.67 H	341	71.7	41.7
2	*5240.00	100.7 AV			1.67 H	341	59.0	41.7
3	5350.00	61.0 PK	74.0	-13.0	1.67 H	341	39.0	22.0
4	5350.00	48.2 AV	54.0	-5.8	1.67 H	341	26.2	22.0
5	#10480.00	63.4 PK	68.2	-4.8	2.07 H	199	38.9	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.2 PK			1.93 V	297	77.5	41.7
2	*5240.00	106.7 AV			1.93 V	297	65.0	41.7
3	5350.00	62.0 PK	74.0	-12.0	1.93 V	297	40.0	22.0
4	5350.00	48.7 AV	54.0	-5.3	1.93 V	297	26.7	22.0
5	#10480.00	63.7 PK	68.2	-4.5	2.58 V	223	39.2	24.5

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 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.67 H	341	40.0	22.3
2	5150.00	48.7 AV	54.0	-5.3	1.67 H	341	26.4	22.3
3	*5260.00	113.4 PK			1.67 H	341	71.8	41.6
4	*5260.00	100.9 AV			1.67 H	341	59.3	41.6
5	#10520.00	63.7 PK	68.2	-4.5	2.04 H	200	39.0	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	62.5 PK	74.0	-11.5	1.96 V	244	40.2	22.3
2	5150.00	49.2 AV	54.0	-4.8	1.96 V	244	26.9	22.3
3	*5260.00	118.8 PK			1.96 V	244	77.2	41.6
4	*5260.00	106.9 AV			1.96 V	244	65.3	41.6
5	#10520.00	64.0 PK	68.2	-4.2	2.63 V	227	39.3	24.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.5 PK			1.67 H	337	72.1	41.4
2	*5300.00	100.4 AV			1.67 H	337	59.0	41.4
3	10600.00	63.7 PK	74.0	-10.3	2.11 H	195	38.8	24.9
4	10600.00	50.5 AV	54.0	-3.5	2.11 H	195	25.6	24.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.2 PK			1.95 V	243	77.8	41.4
2	*5300.00	106.5 AV			1.95 V	243	65.1	41.4
3	10600.00	63.9 PK	74.0	-10.1	2.72 V	234	39.0	24.9
4	10600.00	50.8 AV	54.0	-3.2	2.72 V	234	25.9	24.9

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.

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.4 PK			1.66 H	343	68.9	41.5
2	*5320.00	97.8 AV			1.66 H	343	56.3	41.5
3	5350.00	65.9 PK	74.0	-8.1	1.66 H	343	43.9	22.0
4	5350.00	50.4 AV	54.0	-3.6	1.66 H	343	28.4	22.0
5	10640.00	64.0 PK	74.0	-10.0	2.05 H	197	38.8	25.2
6	10640.00	50.7 AV	54.0	-3.3	2.05 H	197	25.5	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.8 PK			1.95 V	241	75.3	41.5
2	*5320.00	103.8 AV			1.95 V	241	62.3	41.5
3	5350.00	70.7 PK	74.0	-3.3	1.95 V	241	48.7	22.0
4	5350.00	53.7 AV	54.0	-0.3	1.95 V	241	31.7	22.0
5	10640.00	64.4 PK	74.0	-9.6	2.67 V	229	39.2	25.2
6	10640.00	50.9 AV	54.0	-3.1	2.67 V	229	25.7	25.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.7 PK	74.0	-12.3	2.76 H	185	39.0	22.7
2	5460.00	48.2 AV	54.0	-5.8	2.76 H	185	25.5	22.7
3	#5470.00	63.1 PK	68.2	-5.1	2.76 H	185	40.4	22.7
4	*5500.00	106.3 PK			2.76 H	185	64.2	42.1
5	*5500.00	93.9 AV			2.76 H	185	51.8	42.1
6	11000.00	64.1 PK	74.0	-9.9	2.12 H	196	38.4	25.7
7	11000.00	49.8 AV	54.0	-4.2	2.12 H	196	24.1	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	61.9 PK	74.0	-12.1	1.86 V	241	39.2	22.7
2	5460.00	48.4 AV	54.0	-5.6	1.86 V	241	25.7	22.7
3	#5470.00	67.9 PK	68.2	-0.3	1.86 V	241	45.2	22.7
4	*5500.00	112.1 PK			1.86 V	241	70.0	42.1
5	*5500.00	98.9 AV			1.86 V	241	56.8	42.1
6	11000.00	64.2 PK	74.0	-9.8	2.91 V	223	38.5	25.7
7	11000.00	50.0 AV	54.0	-4.0	2.91 V	223	24.3	25.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 120 : 5600 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5600.00	112.9 PK			2.72 H	180	70.7	42.2
2	*5600.00	100.4 AV			2.72 H	180	58.2	42.2
3	11200.00	63.4 PK	74.0	-10.6	1.99 H	197	38.3	25.1
4	11200.00	50.0 AV	54.0	-4.0	1.99 H	197	24.9	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5600.00	118.1 PK			1.93 V	303	75.9	42.2
2	*5600.00	105.9 AV			1.93 V	303	63.7	42.2
3	11200.00	63.7 PK	74.0	-10.3	2.78 V	216	38.6	25.1
4	11200.00	50.4 AV	54.0	-3.6	2.78 V	216	25.3	25.1

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 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	108.2 PK			2.73 H	176	66.3	41.9
2	*5700.00	96.0 AV			2.73 H	176	54.1	41.9
3	#5725.00	64.9 PK	68.2	-3.3	2.73 H	176	42.2	22.7
4	11400.00	62.9 PK	74.0	-11.1	2.09 H	196	38.0	24.9
5	11400.00	49.7 AV	54.0	-4.3	2.09 H	196	24.8	24.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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			1.93 V	303	72.0	41.9
2	*5700.00	101.2 AV			1.93 V	303	59.3	41.9
3	#5725.00	67.5 PK	68.2	-0.7	1.93 V	303	44.8	22.7
4	11400.00	63.2 PK	74.0	-10.8	2.70 V	224	38.3	24.9
5	11400.00	50.1 AV	54.0	-3.9	2.70 V	224	25.2	24.9

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 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.2 PK	68.2	-6.0	2.69 H	183	39.5	22.7
2	*5720.00	113.5 PK			2.69 H	183	71.4	42.1
3	*5720.00	100.9 AV			2.69 H	183	58.8	42.1
4	#5850.00	62.2 PK	68.2	-6.0	2.69 H	183	39.2	23.0
5	11440.00	62.8 PK	74.0	-11.2	2.13 H	193	38.0	24.8
6	11440.00	49.5 AV	54.0	-4.5	2.13 H	193	24.7	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.4 PK	68.2	-5.8	1.92 V	292	39.7	22.7
2	*5720.00	118.5 PK			1.92 V	292	76.4	42.1
3	*5720.00	106.4 AV			1.92 V	292	64.3	42.1
4	#5850.00	62.3 PK	68.2	-5.9	1.92 V	292	39.3	23.0
5	11440.00	63.0 PK	74.0	-11.0	2.67 V	229	38.2	24.8
6	11440.00	49.6 AV	54.0	-4.4	2.67 V	229	24.8	24.8

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.80	61.3 PK	68.2	-6.9	1.73 H	70	38.7	22.6
2	*5745.00	112.8 PK			1.73 H	70	70.5	42.3
3	*5745.00	100.3 AV			1.73 H	70	58.0	42.3
4	#5933.60	61.7 PK	68.2	-6.5	1.73 H	70	38.1	23.6
5	11490.00	62.8 PK	74.0	-11.2	2.10 H	191	38.0	24.8
6	11490.00	49.3 AV	54.0	-4.7	2.10 H	191	24.5	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.00	61.2 PK	68.2	-7.0	1.89 V	275	38.6	22.6
2	*5745.00	119.1 PK			1.89 V	275	76.8	42.3
3	*5745.00	106.2 AV			1.89 V	275	63.9	42.3
4	#5936.40	62.1 PK	68.2	-6.1	1.89 V	275	38.5	23.6
5	11490.00	63.0 PK	74.0	-11.0	2.72 V	221	38.2	24.8
6	11490.00	49.6 AV	54.0	-4.4	2.72 V	221	24.8	24.8

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.

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.40	60.4 PK	68.2	-7.8	1.65 H	67	37.8	22.6
2	*5785.00	112.7 PK			1.65 H	67	70.2	42.5
3	*5785.00	100.6 AV			1.65 H	67	58.1	42.5
4	#5971.60	62.1 PK	68.2	-6.1	1.65 H	67	38.5	23.6
5	11570.00	62.9 PK	74.0	-11.1	2.10 H	205	37.9	25.0
6	11570.00	49.4 AV	54.0	-4.6	2.10 H	205	24.4	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5602.80	60.8 PK	68.2	-7.4	1.76 V	274	38.1	22.7
2	*5785.00	119.3 PK			1.76 V	274	76.8	42.5
3	*5785.00	106.6 AV			1.76 V	274	64.1	42.5
4	#5941.60	61.7 PK	68.2	-6.5	1.76 V	274	38.1	23.6
5	11570.00	63.2 PK	74.0	-10.8	2.78 V	227	38.2	25.0
6	11570.00	49.7 AV	54.0	-4.3	2.78 V	227	24.7	25.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5615.20	61.0 PK	68.2	-7.2	1.73 H	69	38.4	22.6
2	*5825.00	113.1 PK			1.73 H	69	70.5	42.6
3	*5825.00	100.5 AV			1.73 H	69	57.9	42.6
4	#5952.40	61.5 PK	68.2	-6.7	1.73 H	69	37.9	23.6
5	11650.00	62.9 PK	74.0	-11.1	2.08 H	193	37.7	25.2
6	11650.00	49.9 AV	54.0	-4.1	2.08 H	193	24.7	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.40	61.6 PK	68.2	-6.6	1.74 V	273	39.0	22.6
2	*5825.00	118.3 PK			1.74 V	273	75.7	42.6
3	*5825.00	106.0 AV			1.74 V	273	63.4	42.6
4	#5948.00	62.5 PK	68.2	-5.7	1.74 V	273	38.9	23.6
5	11650.00	63.1 PK	74.0	-10.9	2.84 V	230	37.9	25.2
6	11650.00	50.0 AV	54.0	-4.0	2.84 V	230	24.8	25.2

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.70 H	340	44.4	22.3
2	5150.00	50.1 AV	54.0	-3.9	1.70 H	340	27.8	22.3
3	*5190.00	103.1 PK			1.70 H	340	61.2	41.9
4	*5190.00	89.9 AV			1.70 H	340	48.0	41.9
5	#10380.00	63.2 PK	68.2	-5.0	2.22 H	200	38.8	24.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	69.6 PK	74.0	-4.4	1.92 V	298	47.3	22.3
2	5150.00	53.1 AV	54.0	-0.9	1.92 V	298	30.8	22.3
3	*5190.00	108.5 PK			1.92 V	298	66.6	41.9
4	*5190.00	95.7 AV			1.92 V	298	53.8	41.9
5	#10380.00	63.4 PK	68.2	-4.8	2.61 V	225	39.0	24.4

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 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.9 PK	74.0	-10.1	1.64 H	335	41.6	22.3
2	5150.00	50.0 AV	54.0	-4.0	1.64 H	335	27.7	22.3
3	*5230.00	110.1 PK			1.64 H	335	68.3	41.8
4	*5230.00	96.0 AV			1.64 H	335	54.2	41.8
5	5350.00	62.5 PK	74.0	-11.5	1.64 H	335	40.5	22.0
6	5350.00	49.0 AV	54.0	-5.0	1.64 H	335	27.0	22.0
7	#10460.00	63.2 PK	68.2	-5.0	2.08 H	192	38.6	24.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.1 PK	74.0	-3.9	1.95 V	298	47.8	22.3
2	5150.00	53.3 AV	54.0	-0.7	1.95 V	298	31.0	22.3
3	*5230.00	115.4 PK			1.95 V	298	73.6	41.8
4	*5230.00	102.0 AV			1.95 V	298	60.2	41.8
5	5350.00	63.5 PK	74.0	-10.5	1.95 V	298	41.5	22.0
6	5350.00	49.9 AV	54.0	-4.1	1.95 V	298	27.9	22.0
7	#10460.00	63.5 PK	68.2	-4.7	2.58 V	229	38.9	24.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.8 PK	74.0	-11.2	1.68 H	340	40.5	22.3
2	5150.00	49.0 AV	54.0	-5.0	1.68 H	340	26.7	22.3
3	*5270.00	109.6 PK			1.68 H	340	68.0	41.6
4	*5270.00	96.4 AV			1.68 H	340	54.8	41.6
5	5350.00	62.9 PK	74.0	-11.1	1.68 H	340	40.9	22.0
6	5350.00	49.7 AV	54.0	-4.3	1.68 H	340	27.7	22.0
7	#10540.00	63.7 PK	68.2	-4.5	2.09 H	204	39.0	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.4 PK	74.0	-9.6	1.94 V	243	42.1	22.3
2	5150.00	51.0 AV	54.0	-3.0	1.94 V	243	28.7	22.3
3	*5270.00	115.1 PK			1.94 V	243	73.5	41.6
4	*5270.00	102.6 AV			1.94 V	243	61.0	41.6
5	5350.00	65.7 PK	74.0	-8.3	1.94 V	243	43.7	22.0
6	5350.00	53.0 AV	54.0	-1.0	1.94 V	243	31.0	22.0
7	#10540.00	64.0 PK	68.2	-4.2	2.73 V	221	39.3	24.7

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 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.1 PK			1.70 H	340	63.7	41.4
2	*5310.00	91.6 AV			1.70 H	340	50.2	41.4
3	5350.00	64.7 PK	74.0	-9.3	1.70 H	340	42.7	22.0
4	5350.00	50.4 AV	54.0	-3.6	1.70 H	340	28.4	22.0
5	10620.00	64.4 PK	74.0	-9.6	2.22 H	202	39.3	25.1
6	10620.00	51.0 AV	54.0	-3.0	2.22 H	202	25.9	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.7 PK			1.94 V	242	69.3	41.4
2	*5310.00	97.4 AV			1.94 V	242	56.0	41.4
3	5350.00	69.2 PK	74.0	-4.8	1.94 V	242	47.2	22.0
4	5350.00	53.4 AV	54.0	-0.6	1.94 V	242	31.4	22.0
5	10620.00	64.7 PK	74.0	-9.3	2.80 V	229	39.6	25.1
6	10620.00	51.3 AV	54.0	-2.7	2.80 V	229	26.2	25.1

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 (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.6 PK	74.0	-12.4	2.73 H	185	38.9	22.7
2	5460.00	48.4 AV	54.0	-5.6	2.73 H	185	25.7	22.7
3	#5470.00	62.0 PK	68.2	-6.2	2.73 H	185	39.3	22.7
4	*5510.00	101.0 PK			2.73 H	185	58.9	42.1
5	*5510.00	87.9 AV			2.73 H	185	45.8	42.1
6	11020.00	64.1 PK	74.0	-9.9	2.10 H	196	38.4	25.7
7	11020.00	50.2 AV	54.0	-3.8	2.10 H	196	24.5	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	62.1 PK	74.0	-11.9	2.03 V	301	39.4	22.7
2	5460.00	49.0 AV	54.0	-5.0	2.03 V	301	26.3	22.7
3	#5470.00	67.9 PK	68.2	-0.3	2.03 V	301	45.2	22.7
4	*5510.00	105.9 PK			2.03 V	301	63.8	42.1
5	*5510.00	93.2 AV			2.03 V	301	51.1	42.1
6	11020.00	64.2 PK	74.0	-9.8	2.72 V	234	38.5	25.7
7	11020.00	50.4 AV	54.0	-3.6	2.72 V	234	24.7	25.7

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 126 : 5630 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5630.00	109.3 PK			2.72 H	175	67.3	42.0
2	*5630.00	96.1 AV			2.72 H	175	54.1	42.0
3	#5725.00	62.4 PK	68.2	-5.8	2.72 H	175	39.7	22.7
4	11260.00	62.8 PK	74.0	-11.2	2.12 H	199	38.0	24.8
5	11260.00	49.5 AV	54.0	-4.5	2.12 H	199	24.7	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5630.00	114.5 PK			2.00 V	289	72.5	42.0
2	*5630.00	101.6 AV			2.00 V	289	59.6	42.0
3	#5725.00	66.7 PK	68.2	-1.5	2.00 V	289	44.0	22.7
4	11260.00	63.1 PK	74.0	-10.9	2.75 V	226	38.3	24.8
5	11260.00	49.7 AV	54.0	-4.3	2.75 V	226	24.9	24.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.6 PK	68.2	-6.6	2.71 H	180	38.9	22.7
2	*5710.00	108.7 PK			2.71 H	180	66.7	42.0
3	*5710.00	95.8 AV			2.71 H	180	53.8	42.0
4	#5850.00	62.2 PK	68.2	-6.0	2.71 H	180	39.2	23.0
5	11420.00	62.8 PK	74.0	-11.2	2.09 H	195	38.0	24.8
6	11420.00	49.5 AV	54.0	-4.5	2.09 H	195	24.7	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.7 PK	68.2	-6.5	2.03 V	255	39.0	22.7
2	*5710.00	114.6 PK			2.03 V	255	72.6	42.0
3	*5710.00	101.5 AV			2.03 V	255	59.5	42.0
4	#5850.00	63.4 PK	68.2	-4.8	2.03 V	255	40.4	23.0
5	11420.00	63.1 PK	74.0	-10.9	2.74 V	235	38.3	24.8
6	11420.00	49.7 AV	54.0	-4.3	2.74 V	235	24.9	24.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	62.7 PK	68.2	-5.5	1.65 H	65	40.2	22.5
2	*5755.00	110.3 PK			1.65 H	65	67.9	42.4
3	*5755.00	96.9 AV			1.65 H	65	54.5	42.4
4	#5991.60	62.4 PK	68.2	-5.8	1.65 H	65	38.8	23.6
5	11510.00	62.5 PK	74.0	-11.5	2.12 H	195	37.8	24.7
6	11510.00	49.1 AV	54.0	-4.9	2.12 H	195	24.4	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	63.8 PK	68.2	-4.4	1.84 V	275	41.3	22.5
2	*5755.00	115.0 PK			1.84 V	275	72.6	42.4
3	*5755.00	102.5 AV			1.84 V	275	60.1	42.4
4	#5957.20	63.1 PK	68.2	-5.1	1.84 V	275	39.5	23.6
5	11510.00	62.9 PK	74.0	-11.1	2.71 V	224	38.2	24.7
6	11510.00	49.3 AV	54.0	-4.7	2.71 V	224	24.6	24.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5622.00	61.2 PK	68.2	-7.0	1.72 H	67	38.6	22.6
2	*5795.00	109.4 PK			1.72 H	67	67.0	42.4
3	*5795.00	97.1 AV			1.72 H	67	54.7	42.4
4	#5948.80	61.8 PK	68.2	-6.4	1.72 H	67	38.2	23.6
5	11590.00	62.7 PK	74.0	-11.3	2.23 H	200	37.7	25.0
6	11590.00	49.5 AV	54.0	-4.5	2.23 H	200	24.5	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5601.60	61.4 PK	68.2	-6.8	1.88 V	273	38.7	22.7
2	*5795.00	115.2 PK			1.88 V	273	72.8	42.4
3	*5795.00	102.5 AV			1.88 V	273	60.1	42.4
4	#5945.20	62.1 PK	68.2	-6.1	1.88 V	273	38.5	23.6
5	11590.00	63.0 PK	74.0	-11.0	2.77 V	216	38.0	25.0
6	11590.00	49.7 AV	54.0	-4.3	2.77 V	216	24.7	25.0

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, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.1 PK	74.0	-9.9	1.73 H	345	41.8	22.3
2	5150.00	49.5 AV	54.0	-4.5	1.73 H	345	27.2	22.3
3	*5210.00	100.6 PK			1.73 H	345	58.7	41.9
4	*5210.00	86.7 AV			1.73 H	345	44.8	41.9
5	#10420.00	63.3 PK	68.2	-4.9	2.09 H	198	39.0	24.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.2 PK	74.0	-6.8	1.96 V	244	44.9	22.3
2	5150.00	53.4 AV	54.0	-0.6	1.96 V	244	31.1	22.3
3	*5210.00	105.6 PK			1.96 V	244	63.7	41.9
4	*5210.00	92.6 AV			1.96 V	244	50.7	41.9
5	#10420.00	63.4 PK	68.2	-4.8	2.55 V	225	39.1	24.3

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	100.8 PK			1.75 H	343	59.3	41.5
2	*5290.00	88.2 AV			1.75 H	343	46.7	41.5
3	5350.00	65.2 PK	74.0	-8.8	1.75 H	343	43.2	22.0
4	5350.00	50.2 AV	54.0	-3.8	1.75 H	343	28.2	22.0
5	#10580.00	64.3 PK	68.2	-3.9	2.06 H	198	39.4	24.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	107.0 PK			1.89 V	243	65.5	41.5
2	*5290.00	94.4 AV			1.89 V	243	52.9	41.5
3	5350.00	68.5 PK	74.0	-5.5	1.89 V	243	46.5	22.0
4	5350.00	53.8 AV	54.0	-0.2	1.89 V	243	31.8	22.0
5	#10580.00	64.5 PK	68.2	-3.7	2.74 V	221	39.6	24.9

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, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.9 PK	74.0	-12.1	2.79 H	185	39.2	22.7
2	5460.00	49.6 AV	54.0	-4.4	2.79 H	185	26.9	22.7
3	#5470.00	63.7 PK	68.2	-4.5	2.79 H	185	41.0	22.7
4	*5530.00	99.6 PK			2.79 H	185	57.4	42.2
5	*5530.00	86.7 AV			2.79 H	185	44.5	42.2
6	11060.00	64.3 PK	74.0	-9.7	2.11 H	193	38.4	25.9
7	11060.00	50.8 AV	54.0	-3.2	2.11 H	193	24.9	25.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	65.4 PK	74.0	-8.6	2.07 V	290	42.7	22.7
2	5460.00	51.4 AV	54.0	-2.6	2.07 V	290	28.7	22.7
3	#5470.00	67.9 PK	68.2	-0.3	2.07 V	290	45.2	22.7
4	*5530.00	105.6 PK			2.09 V	290	63.4	42.2
5	*5530.00	92.2 AV			2.09 V	290	50.0	42.2
6	11060.00	64.4 PK	74.0	-9.6	2.87 V	229	38.5	25.9
7	11060.00	50.9 AV	54.0	-3.1	2.87 V	229	25.0	25.9

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, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.2 PK			2.78 H	188	63.1	42.1
2	*5610.00	92.5 AV			2.78 H	188	50.4	42.1
3	#5725.00	63.2 PK	68.2	-5.0	2.78 H	188	40.5	22.7
4	11220.00	63.5 PK	74.0	-10.5	2.16 H	197	38.4	25.1
5	11220.00	49.7 AV	54.0	-4.3	2.16 H	197	24.6	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	110.8 PK			2.12 V	287	68.7	42.1
2	*5610.00	97.9 AV			2.12 V	287	55.8	42.1
3	#5725.00	67.7 PK	68.2	-0.5	2.12 V	287	45.0	22.7
4	11220.00	63.7 PK	74.0	-10.3	2.82 V	221	38.6	25.1
5	11220.00	50.0 AV	54.0	-4.0	2.82 V	221	24.9	25.1

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 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.3 PK	68.2	-5.9	2.71 H	184	39.6	22.7
2	*5690.00	104.2 PK			2.71 H	184	62.3	41.9
3	*5690.00	91.5 AV			2.71 H	184	49.6	41.9
4	#5850.00	64.4 PK	68.2	-3.8	2.71 H	184	41.4	23.0
5	11380.00	63.3 PK	74.0	-10.7	2.16 H	190	38.5	24.8
6	11380.00	49.5 AV	54.0	-4.5	2.16 H	190	24.7	24.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	62.7 PK	68.2	-5.5	1.98 V	281	40.0	22.7
2	*5690.00	110.1 PK			1.98 V	281	68.2	41.9
3	*5690.00	97.2 AV			1.98 V	281	55.3	41.9
4	#5850.00	67.3 PK	68.2	-0.9	1.98 V	281	44.3	23.0
5	11380.00	63.4 PK	74.0	-10.6	2.75 V	226	38.6	24.8
6	11380.00	49.7 AV	54.0	-4.3	2.75 V	226	24.9	24.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

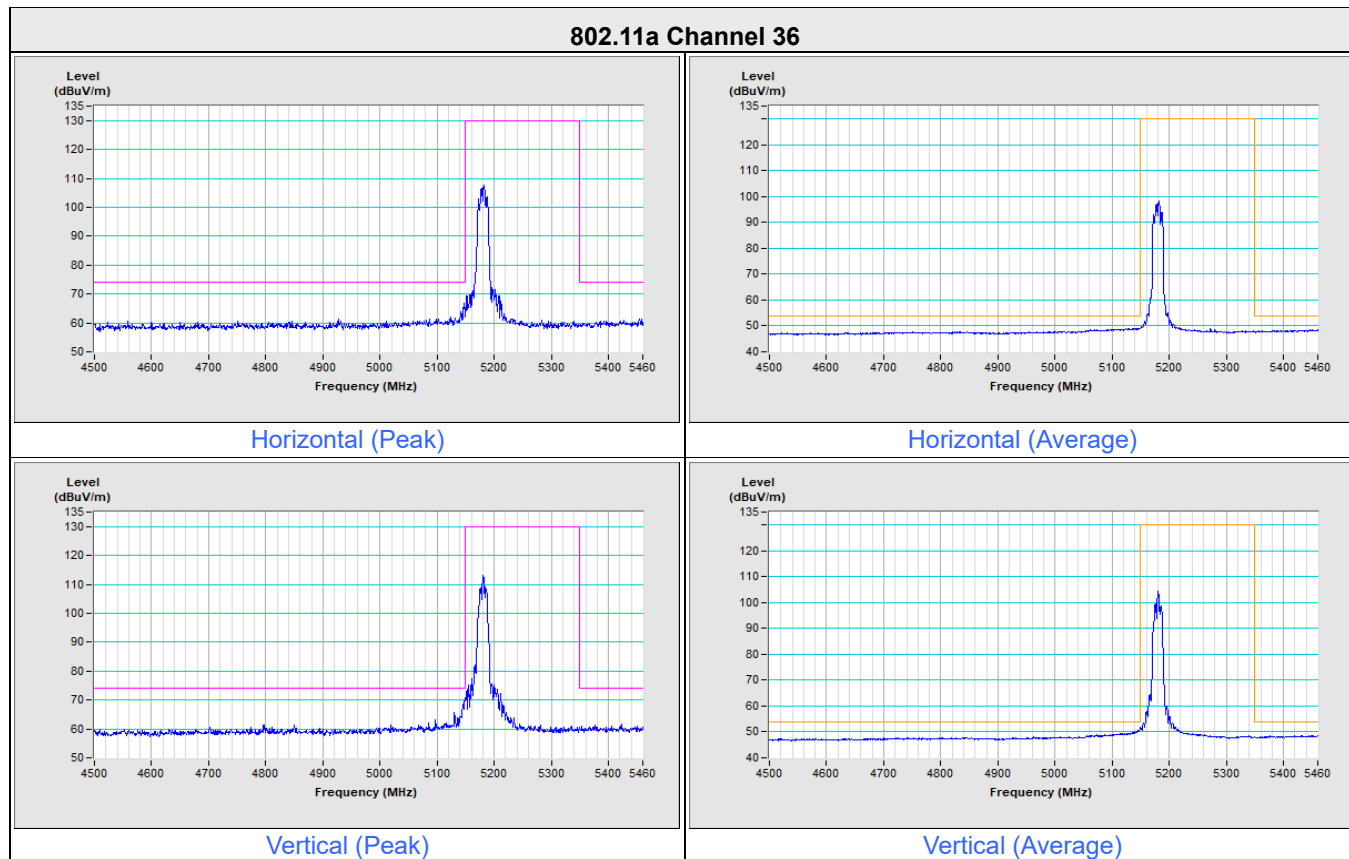
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.40	63.9 PK	68.2	-4.3	2.72 H	185	41.3	22.6
2	*5775.00	102.5 PK			2.72 H	185	60.1	42.4
3	*5775.00	89.5 AV			2.72 H	185	47.1	42.4
4	#5938.40	62.0 PK	68.2	-6.2	2.72 H	185	38.4	23.6
5	11550.00	63.4 PK	74.0	-10.6	2.13 H	188	38.5	24.9
6	11550.00	49.4 AV	54.0	-4.6	2.13 H	188	24.5	24.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.20	67.8 PK	68.2	-0.4	2.02 V	252	45.2	22.6
2	*5775.00	107.7 PK			2.02 V	252	65.3	42.4
3	*5775.00	94.9 AV			2.02 V	252	52.5	42.4
4	#5928.40	63.7 PK	68.2	-4.5	2.02 V	252	40.1	23.6
5	11550.00	63.6 PK	74.0	-10.4	2.79 V	233	38.7	24.9
6	11550.00	49.5 AV	54.0	-4.5	2.79 V	233	24.6	24.9

Remarks:

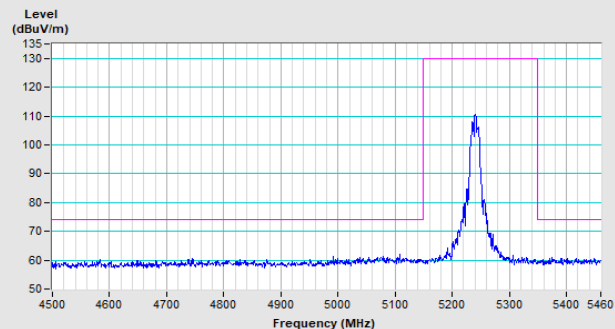
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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

Plot of Band Edge

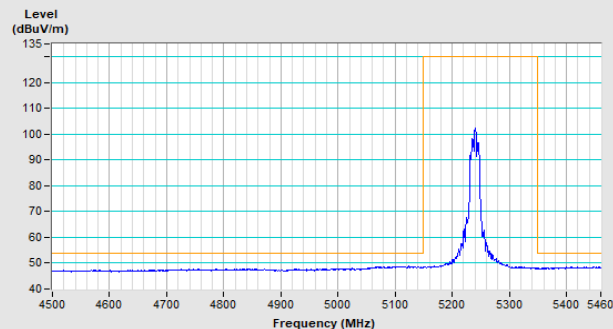
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	--------------------	-------------------------------	--



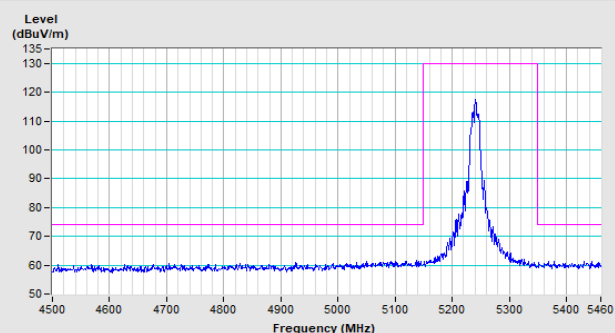
802.11a Channel 48



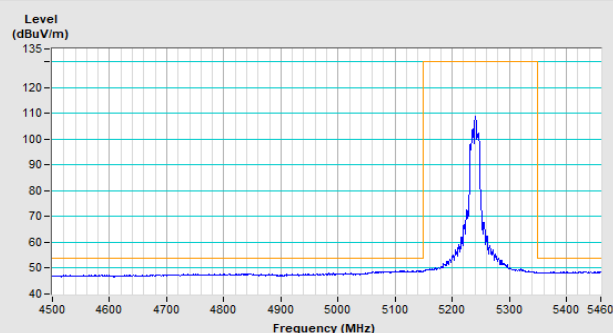
Horizontal (Peak)



Horizontal (Average)

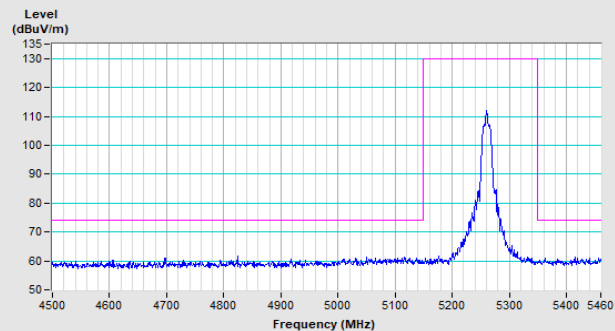


Vertical (Peak)

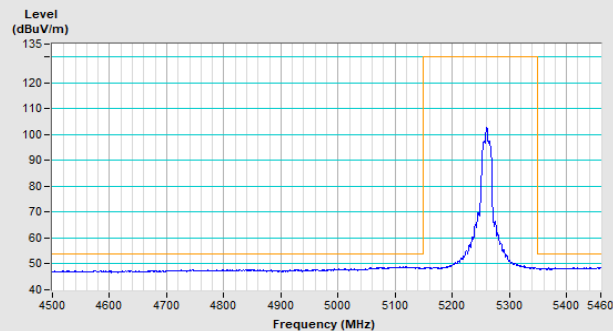


Vertical (Average)

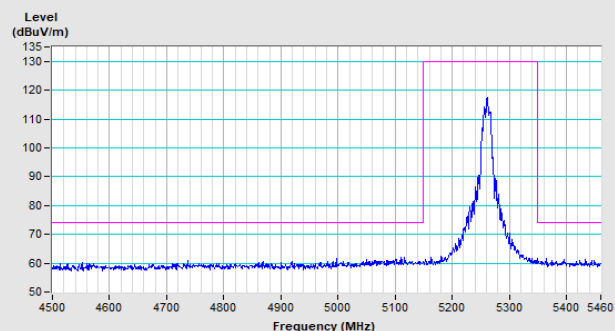
802.11a Channel 52



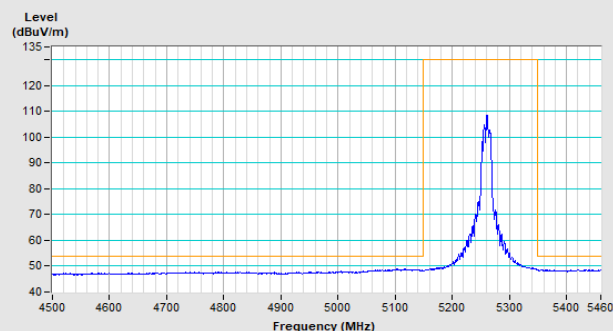
Horizontal (Peak)



Horizontal (Average)

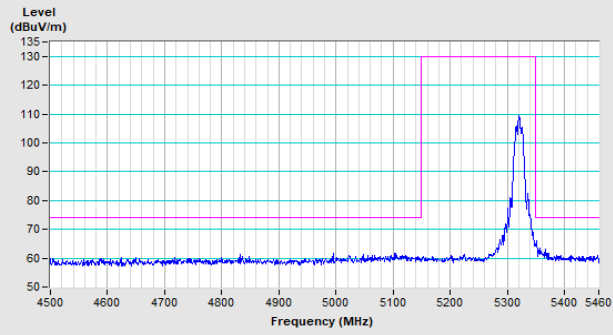


Vertical (Peak)

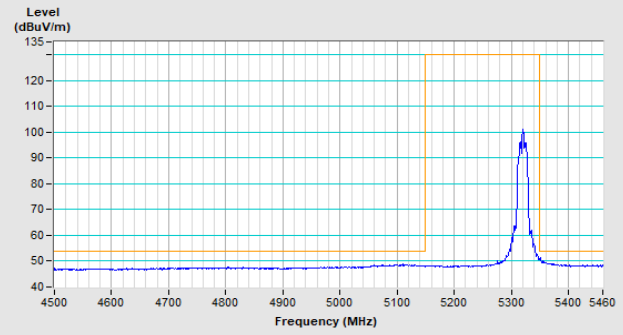


Vertical (Average)

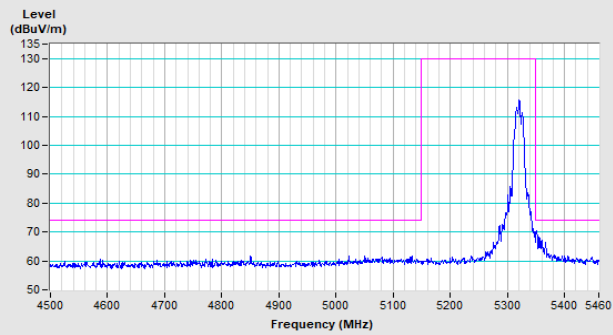
802.11a Channel 64



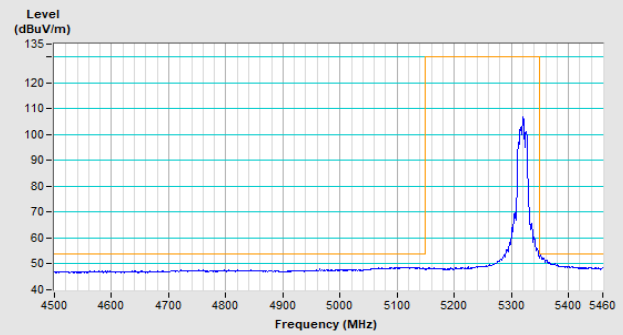
Horizontal (Peak)



Horizontal (Average)



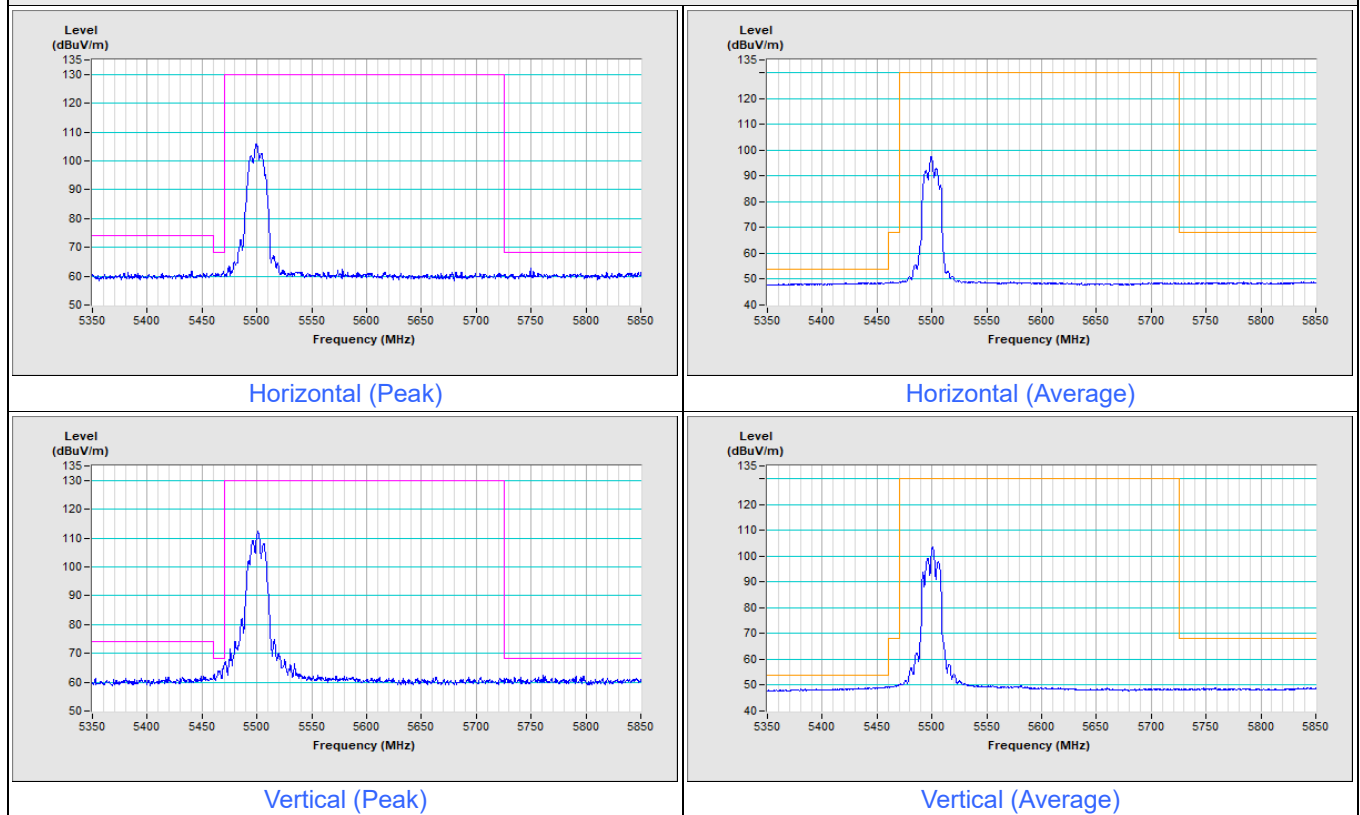
Vertical (Peak)



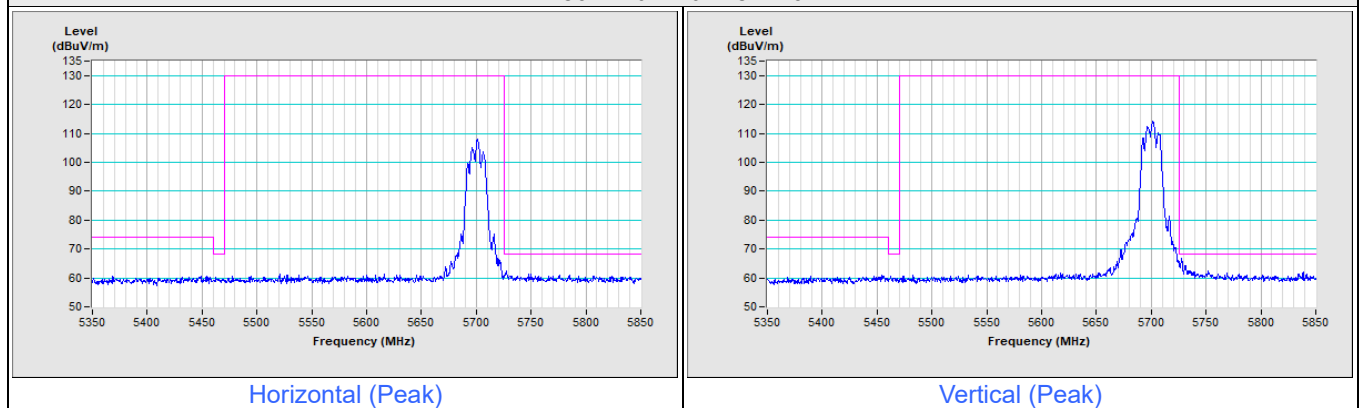
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

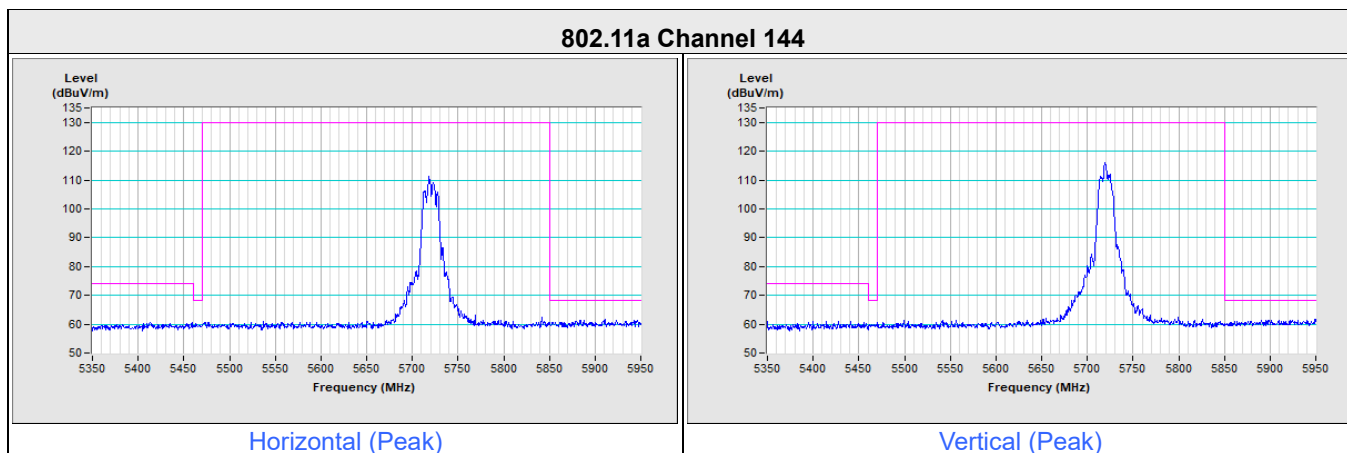
802.11a Channel 100



802.11a Channel 140

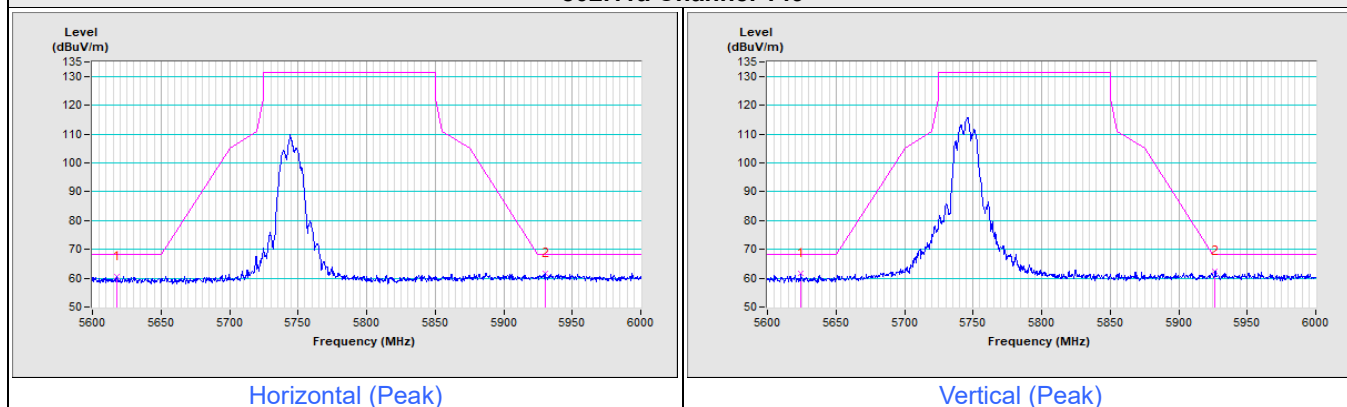


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

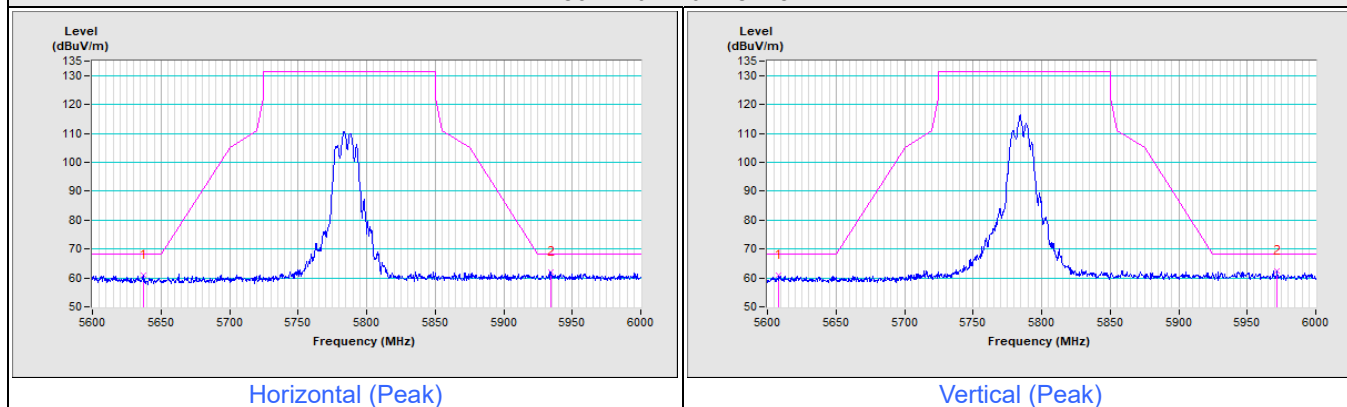


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------

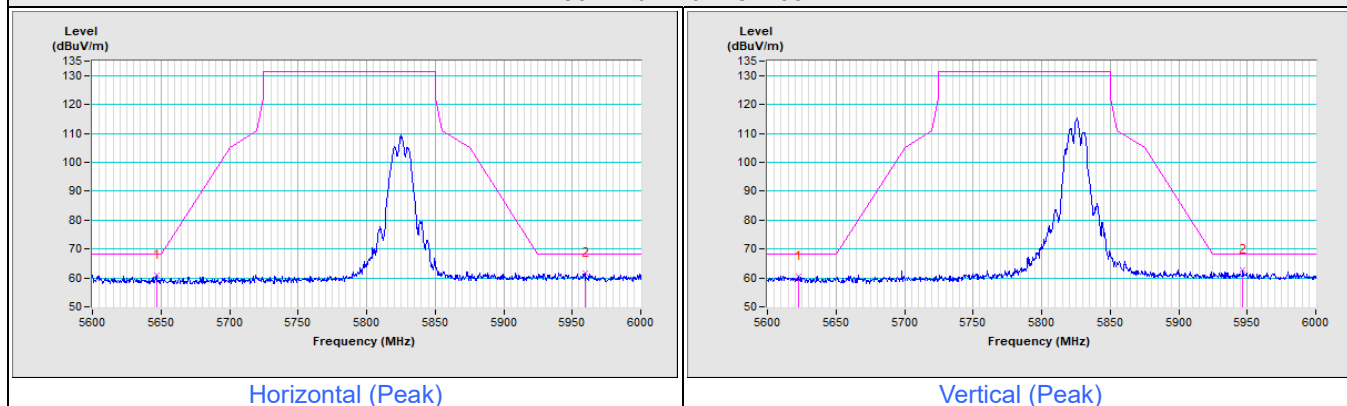
802.11a Channel 149



802.11a Channel 157

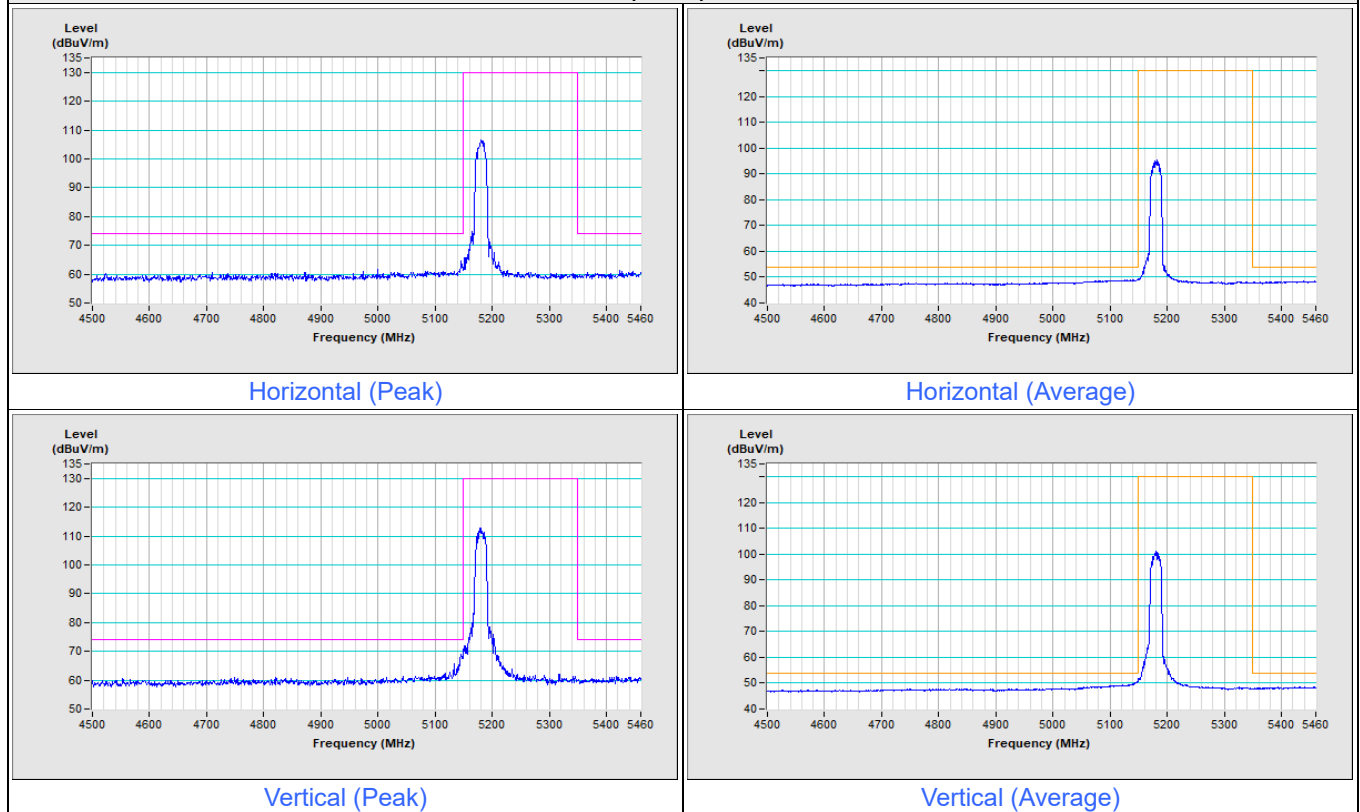


802.11a Channel 165

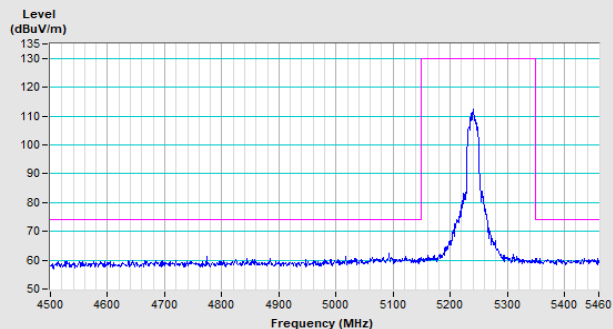


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	--------------------	-------------------------------	--

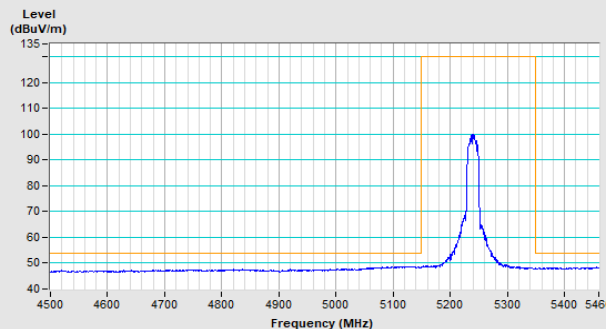
802.11ax (HE20) Channel 36



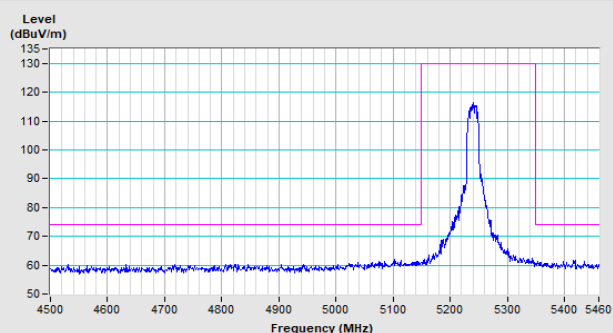
802.11ax (HE20) Channel 48



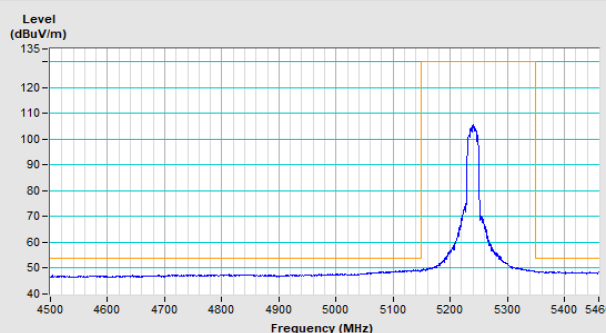
Horizontal (Peak)



Horizontal (Average)

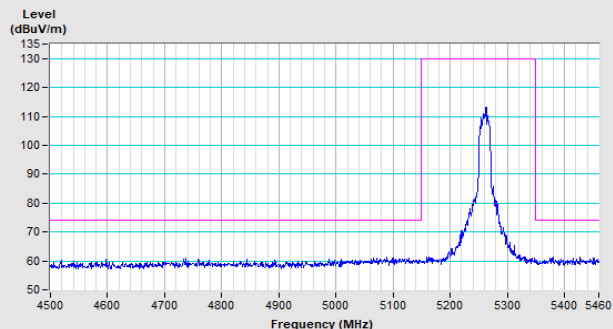


Vertical (Peak)

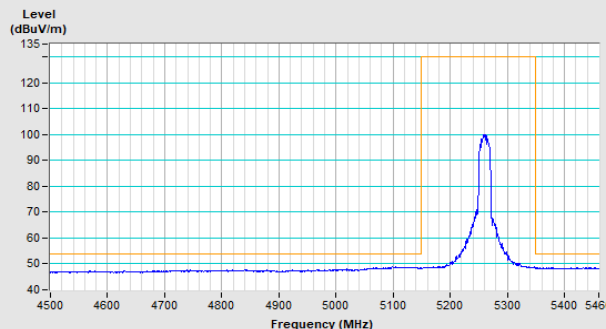


Vertical (Average)

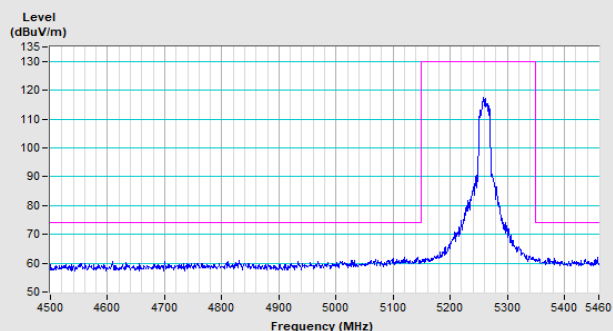
802.11ax (HE20) Channel 52



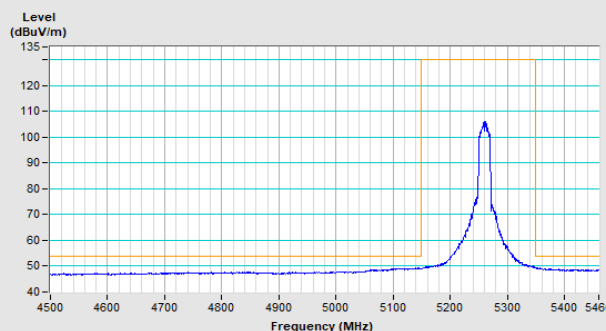
Horizontal (Peak)



Horizontal (Average)

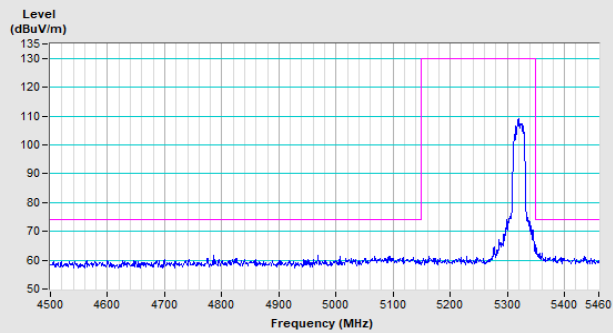


Vertical (Peak)

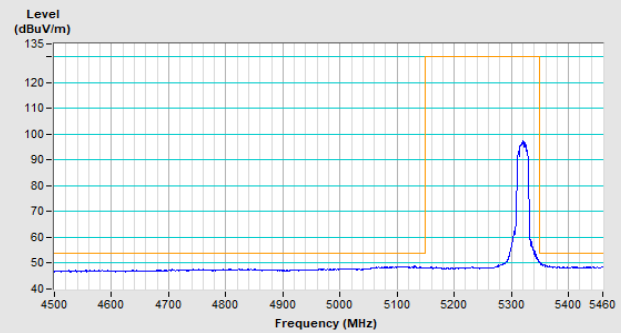


Vertical (Average)

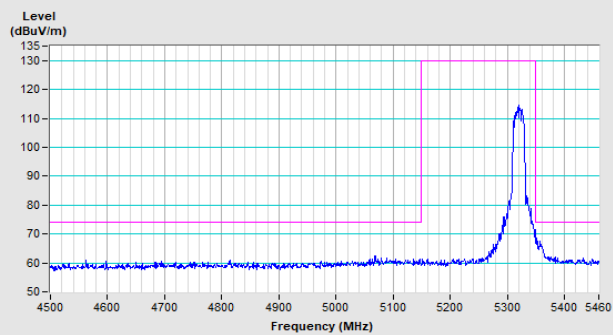
802.11ax (HE20) Channel 64



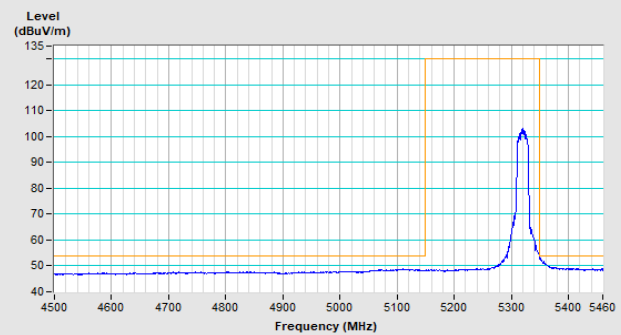
Horizontal (Peak)



Horizontal (Average)



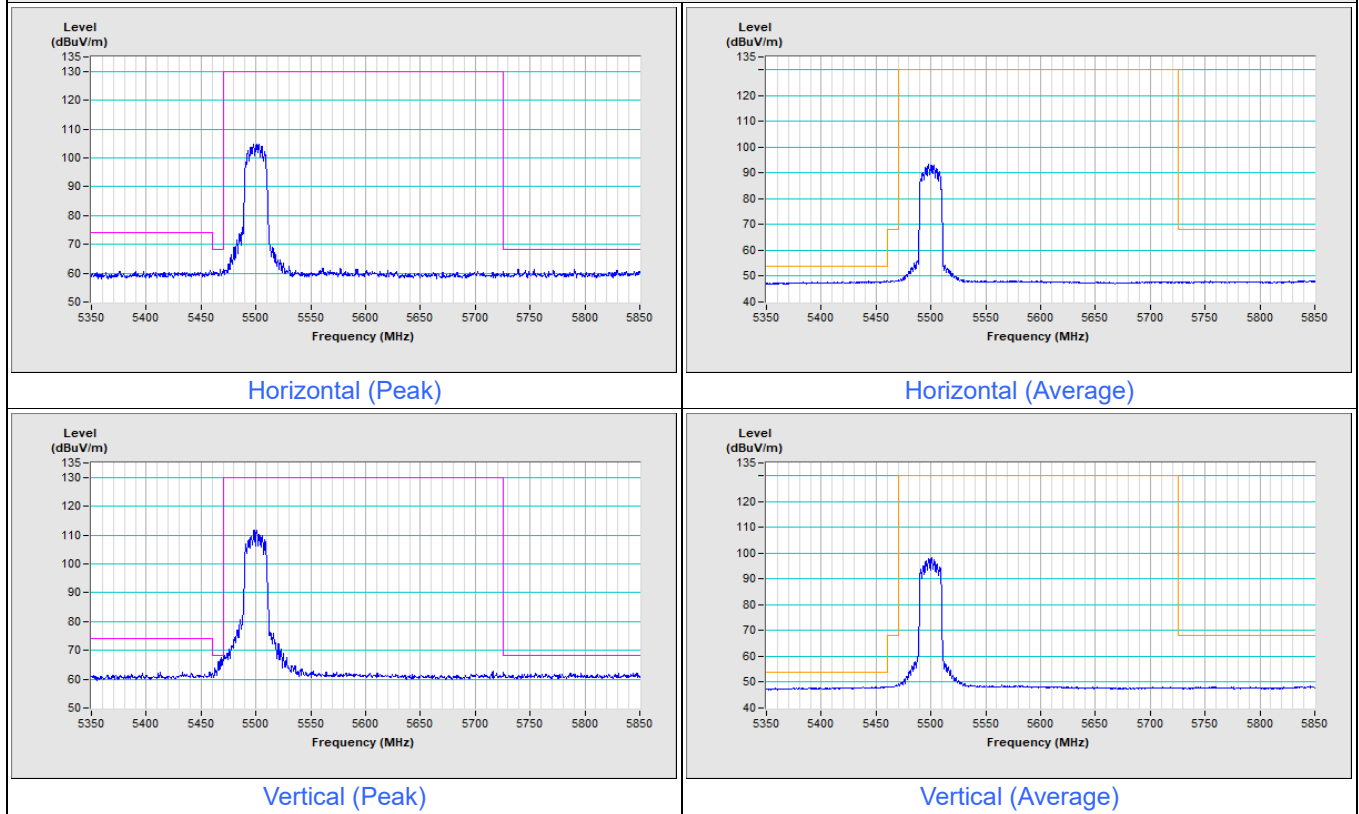
Vertical (Peak)



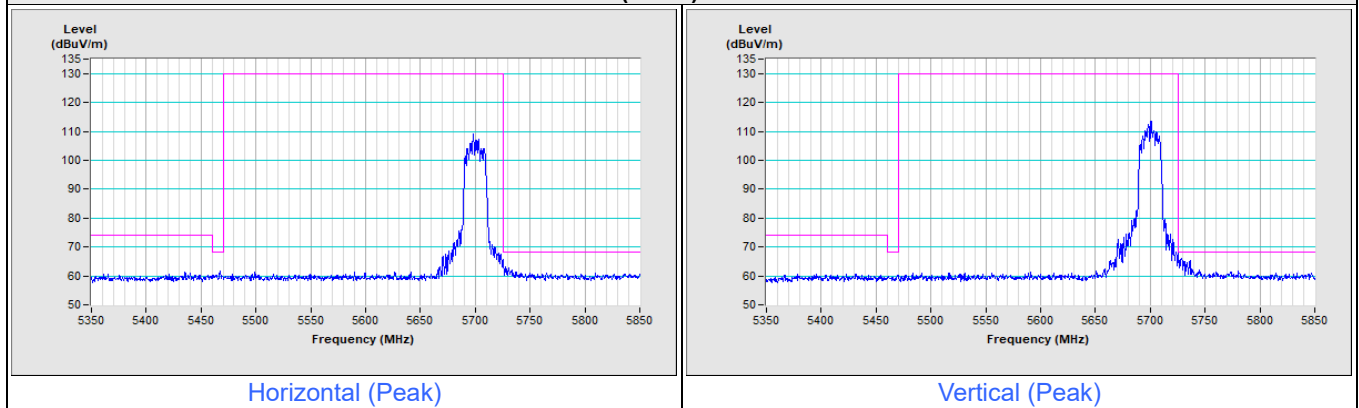
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

802.11ax (HE20) Channel 100

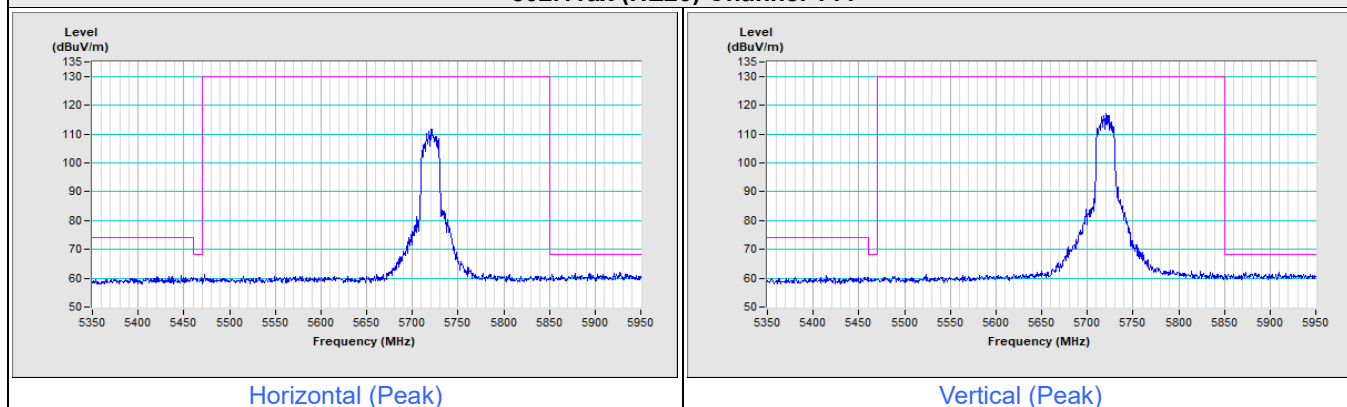


802.11ax (HE20) Channel 140



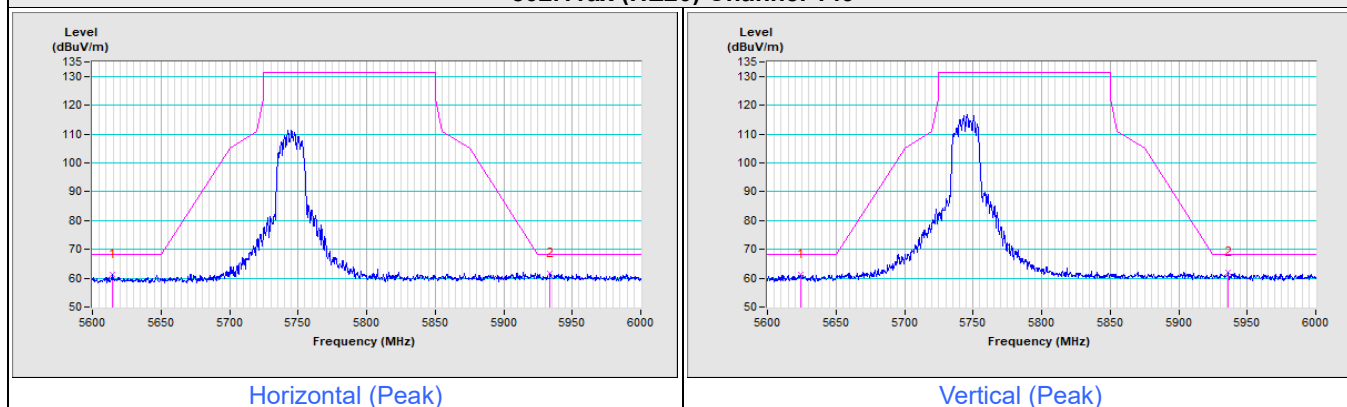
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

802.11ax (HE20) Channel 144

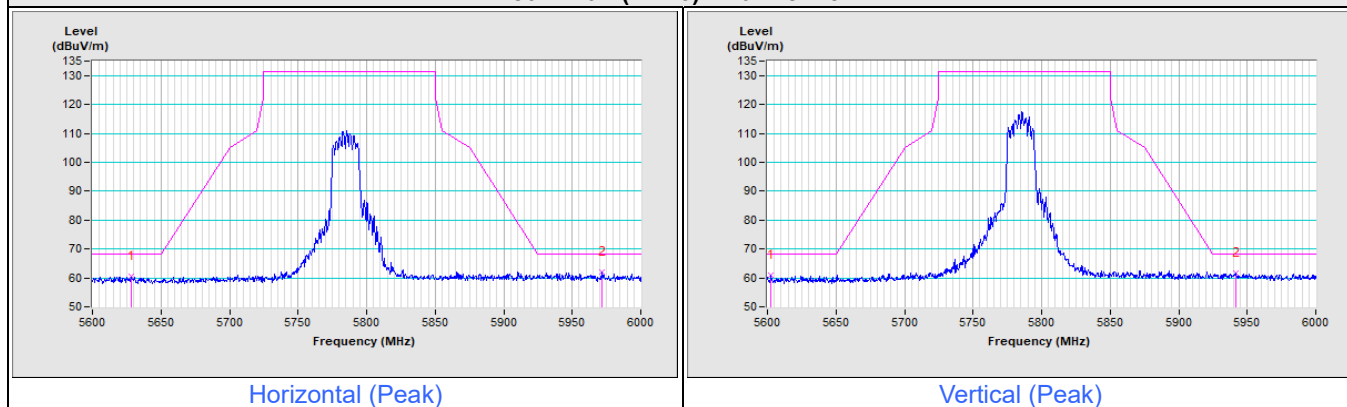


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------

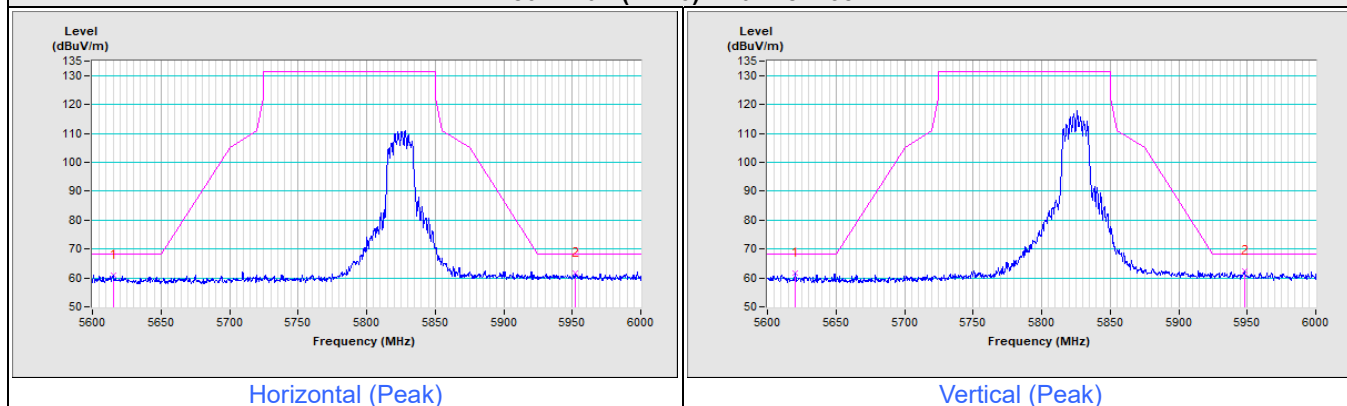
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

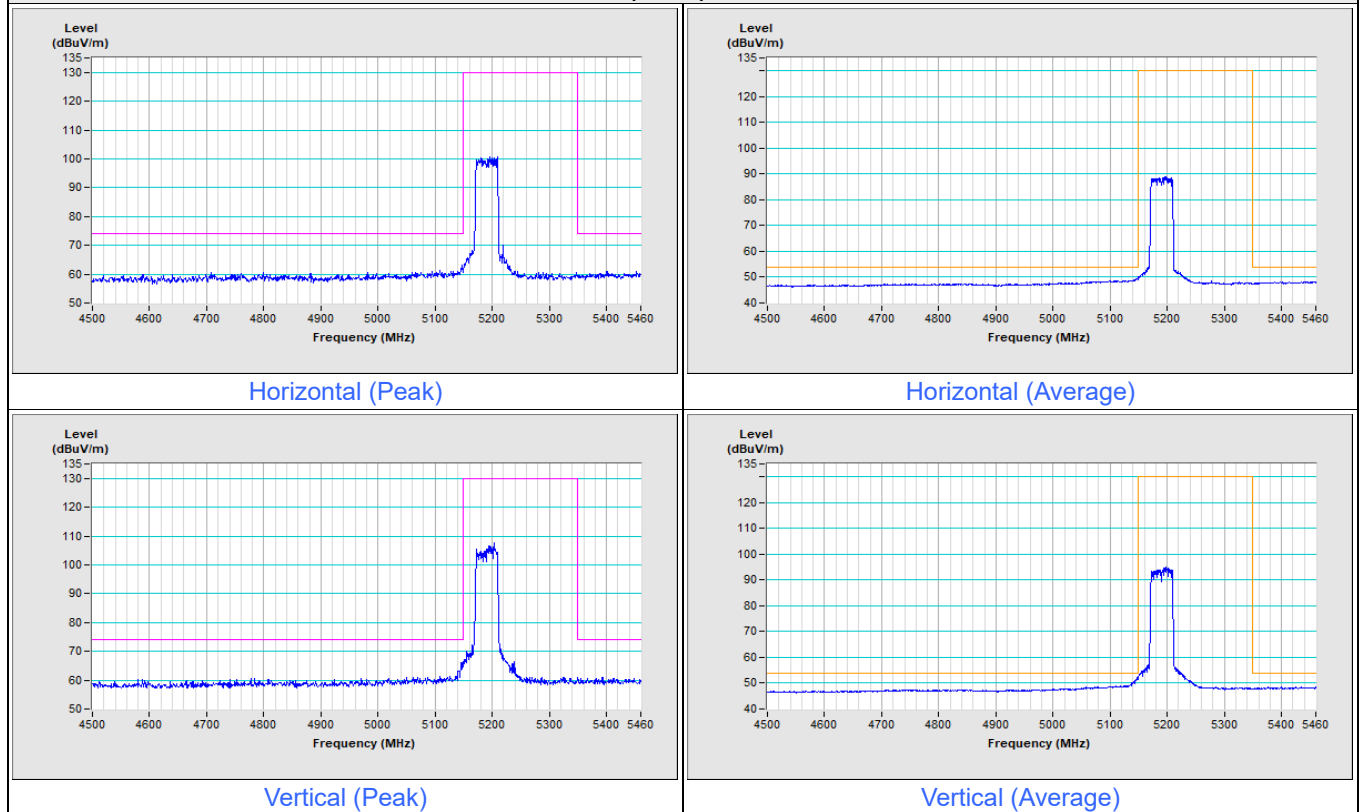


802.11ax (HE20) Channel 165

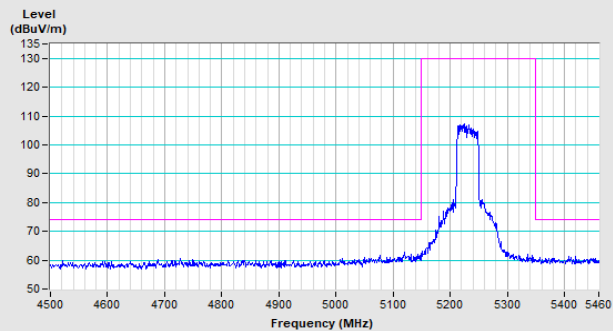


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	--------------------	-------------------------------	--

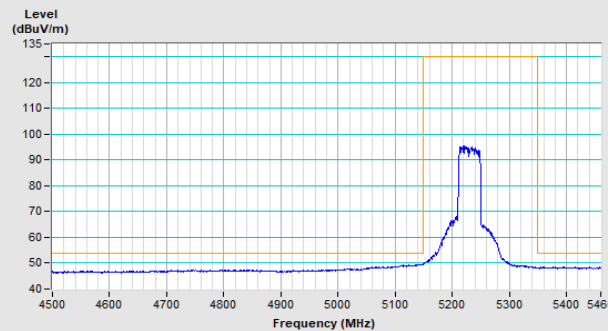
802.11ax (HE40) Channel 38



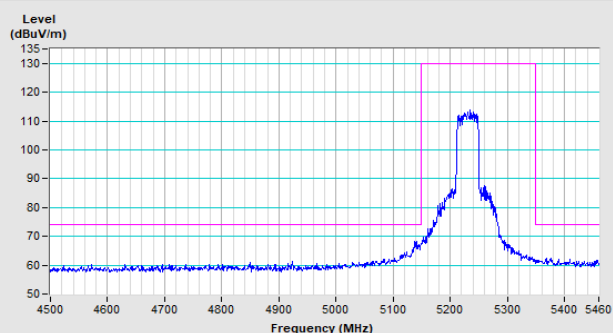
802.11ax (HE40) Channel 46



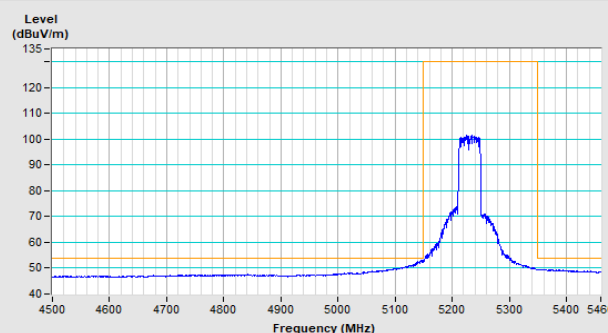
Horizontal (Peak)



Horizontal (Average)

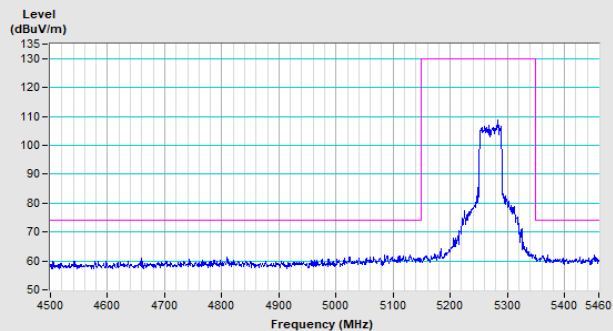


Vertical (Peak)

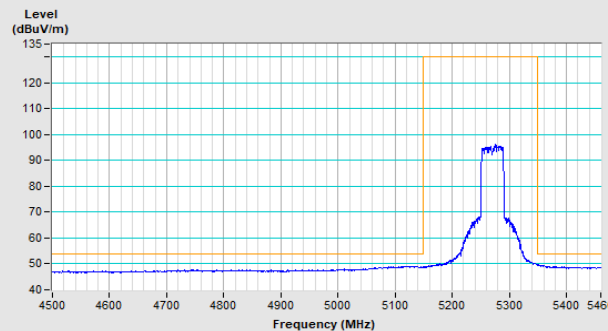


Vertical (Average)

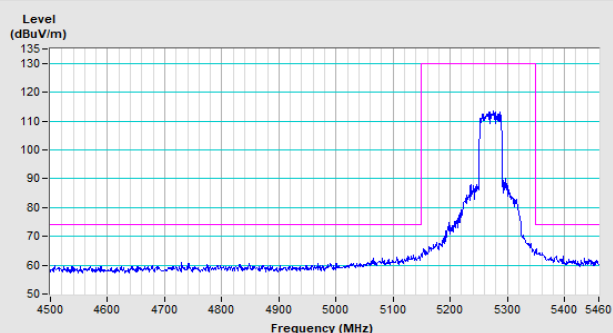
802.11ax (HE40) Channel 54



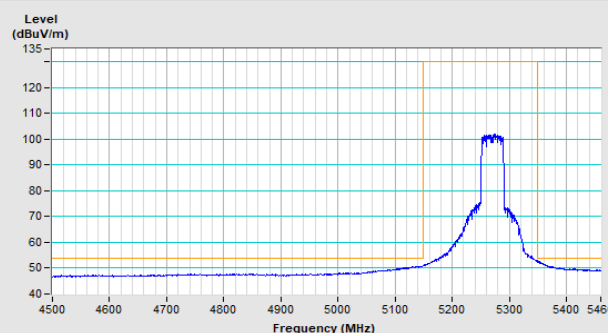
Horizontal (Peak)



Horizontal (Average)

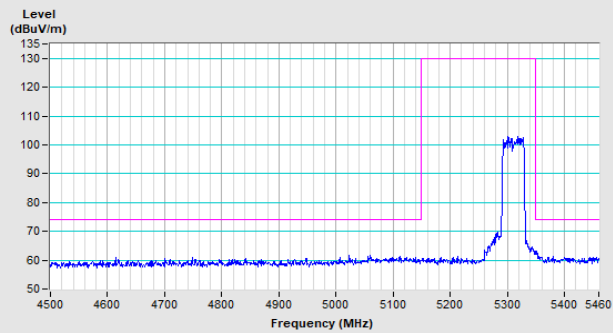


Vertical (Peak)

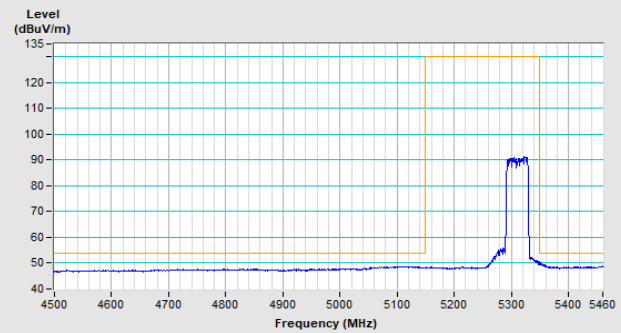


Vertical (Average)

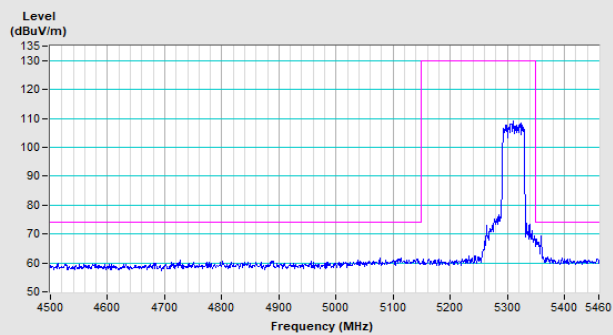
802.11ax (HE40) Channel 62



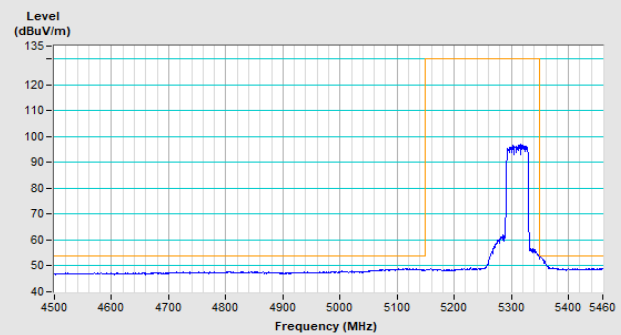
Horizontal (Peak)



Horizontal (Average)



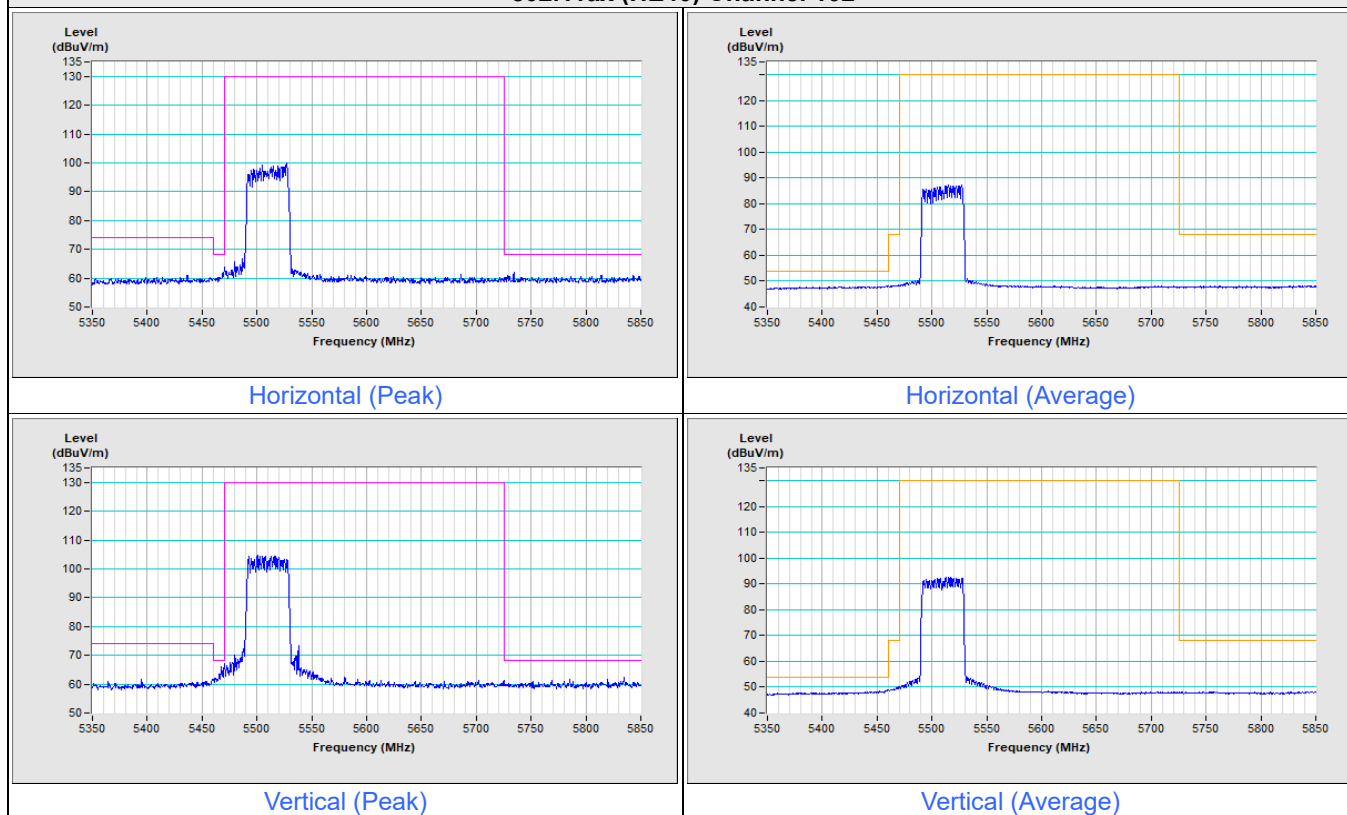
Vertical (Peak)



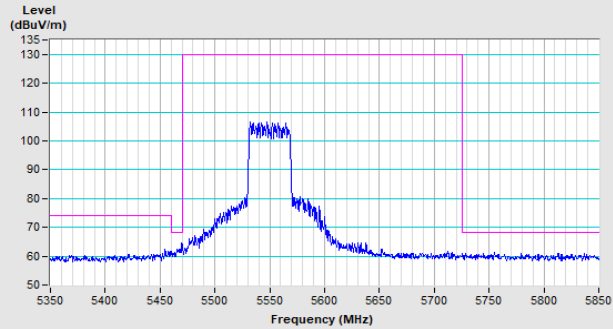
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

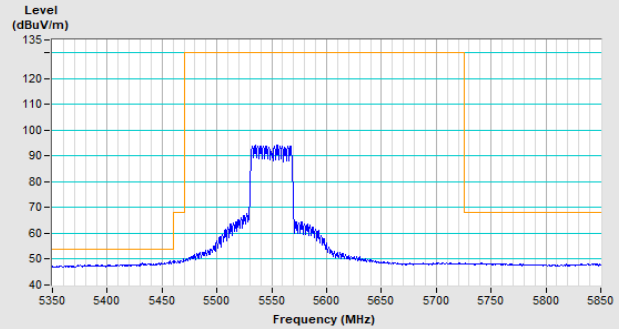
802.11ax (HE40) Channel 102



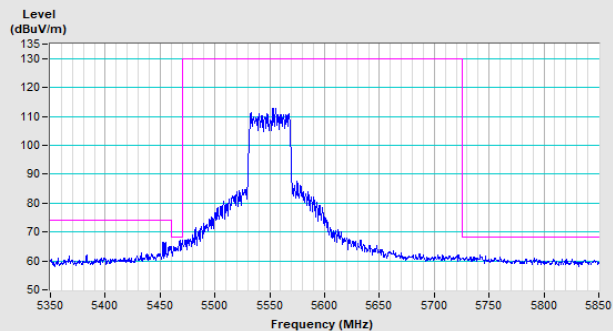
802.11ax (HE40) Channel 110



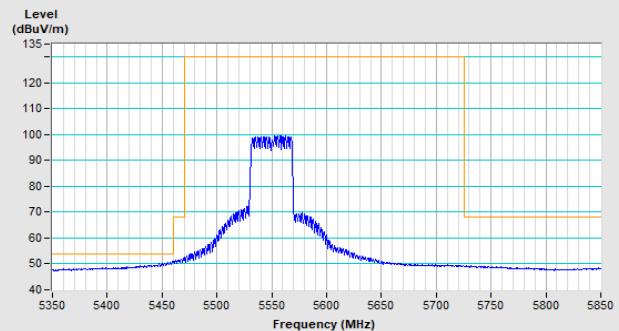
Horizontal (Peak)



Horizontal (Average)

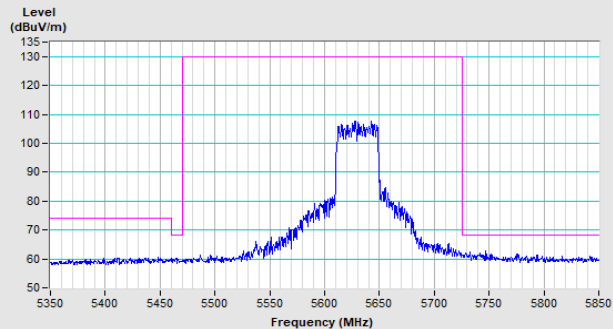


Vertical (Peak)

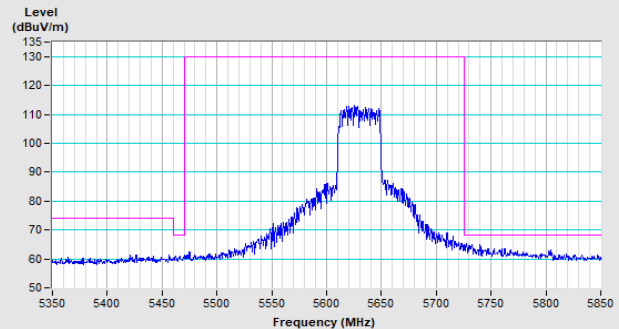


Vertical (Average)

802.11ax (HE40) Channel 126

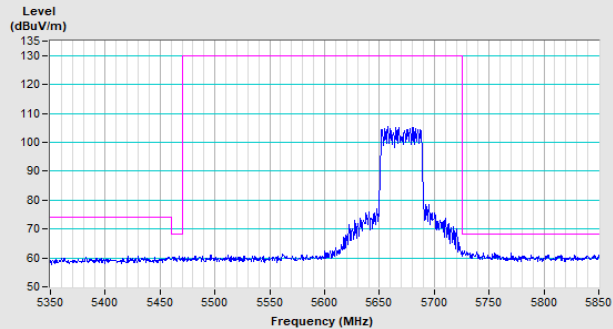


Horizontal (Peak)

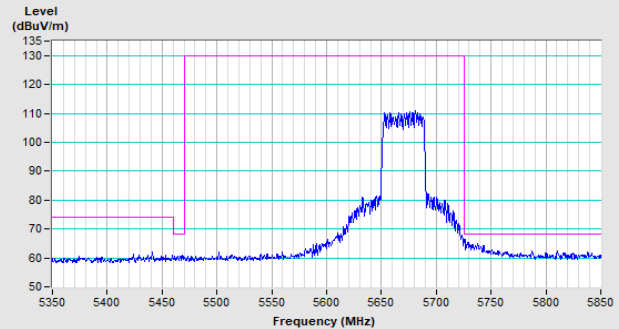


Vertical (Peak)

802.11ax (HE40) Channel 134

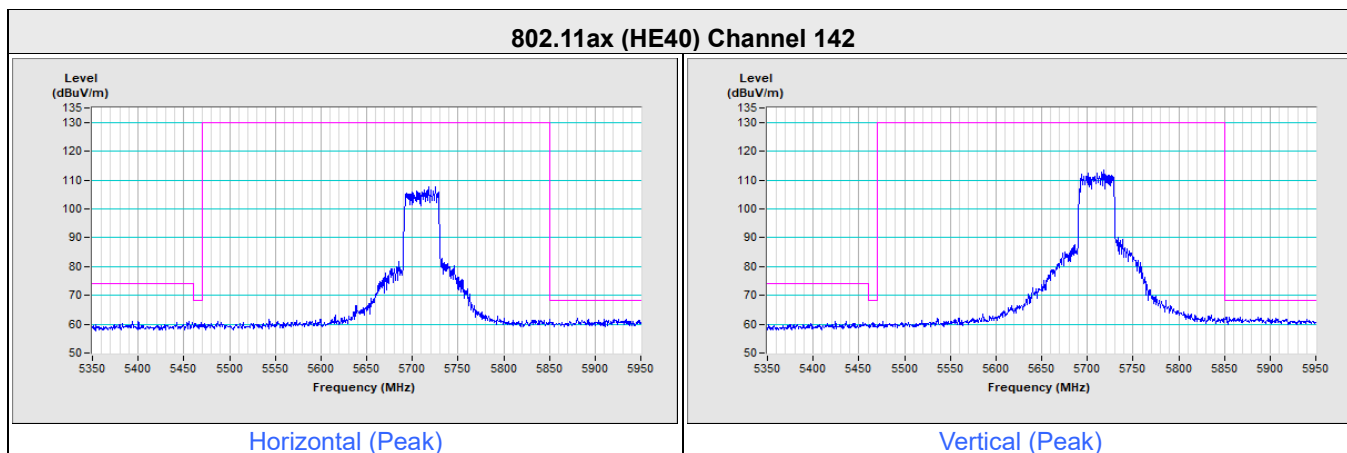


Horizontal (Peak)

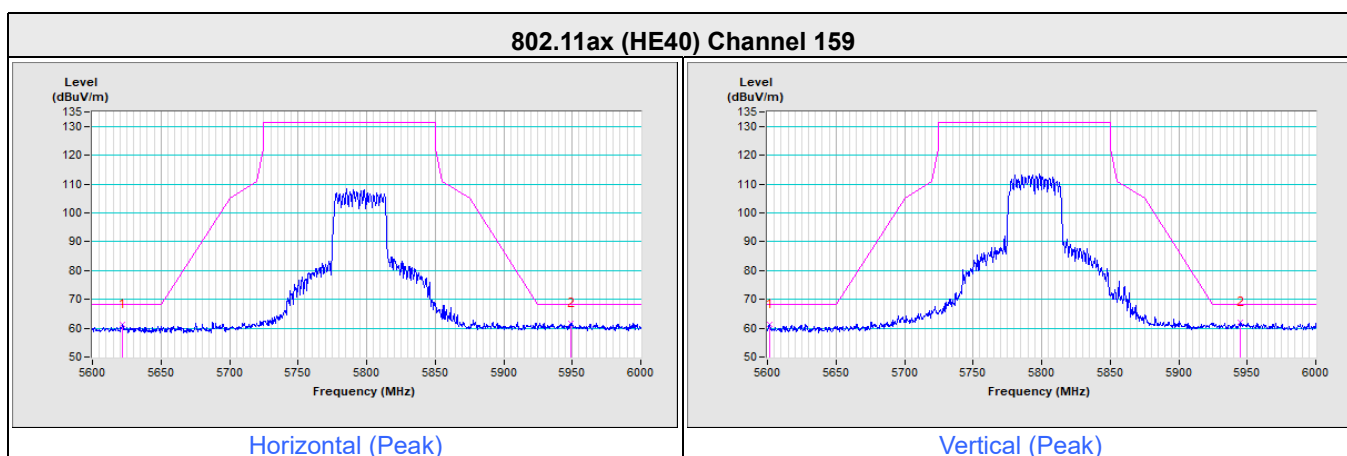
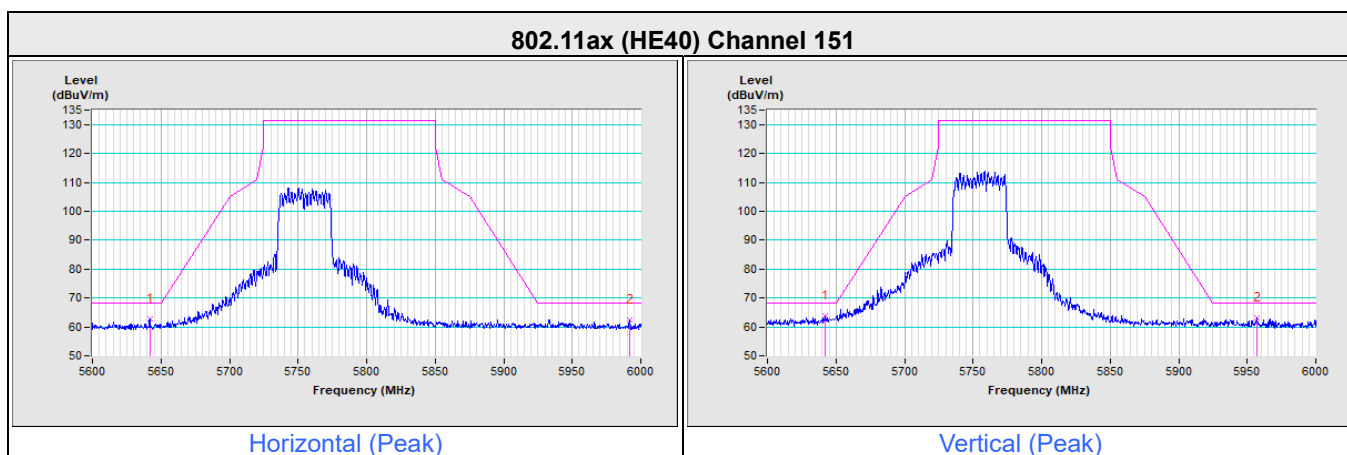


Vertical (Peak)

Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

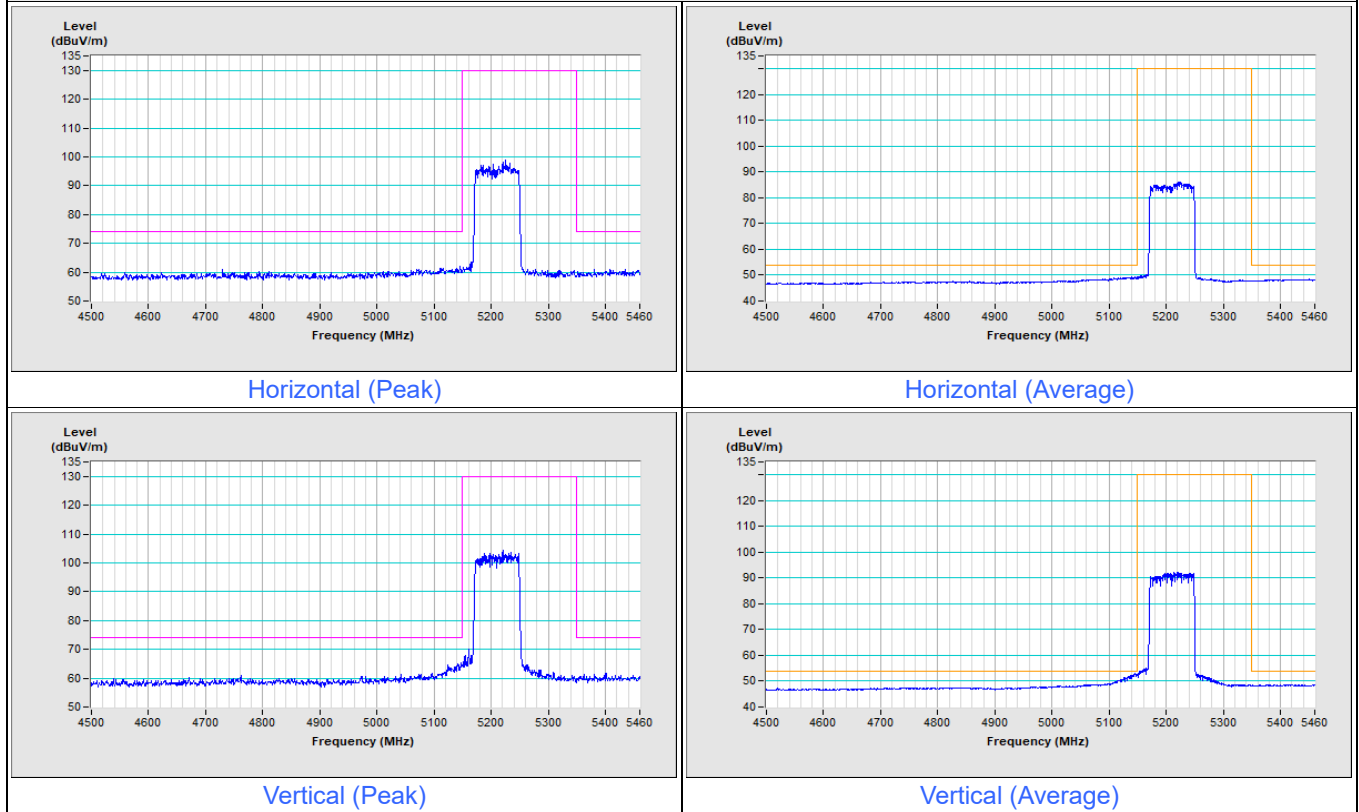


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------

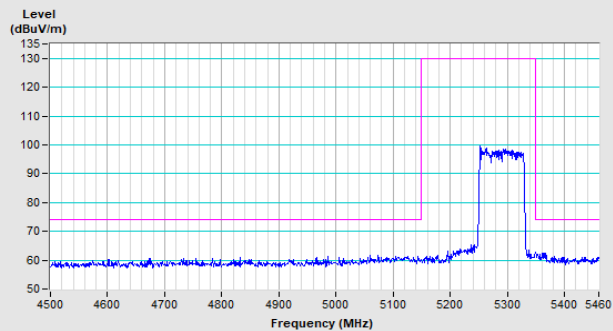


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	--------------------	-------------------------------	--

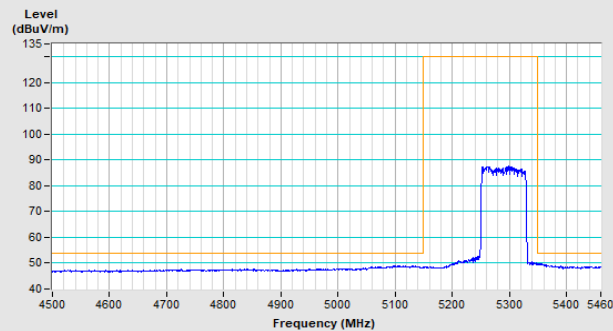
802.11ax (HE80) Channel 42



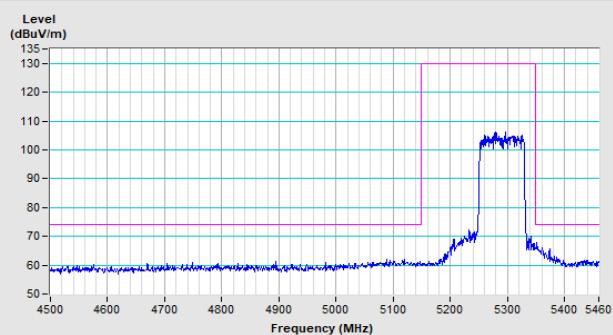
802.11ax (HE80) Channel 58



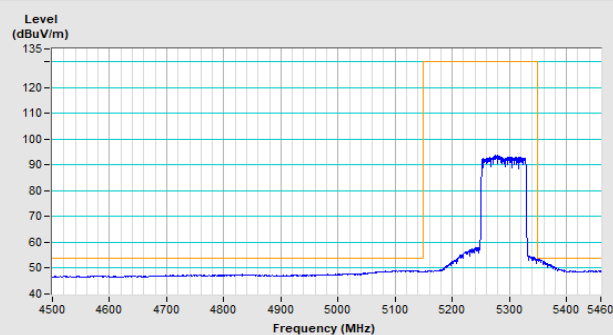
Horizontal (Peak)



Horizontal (Average)



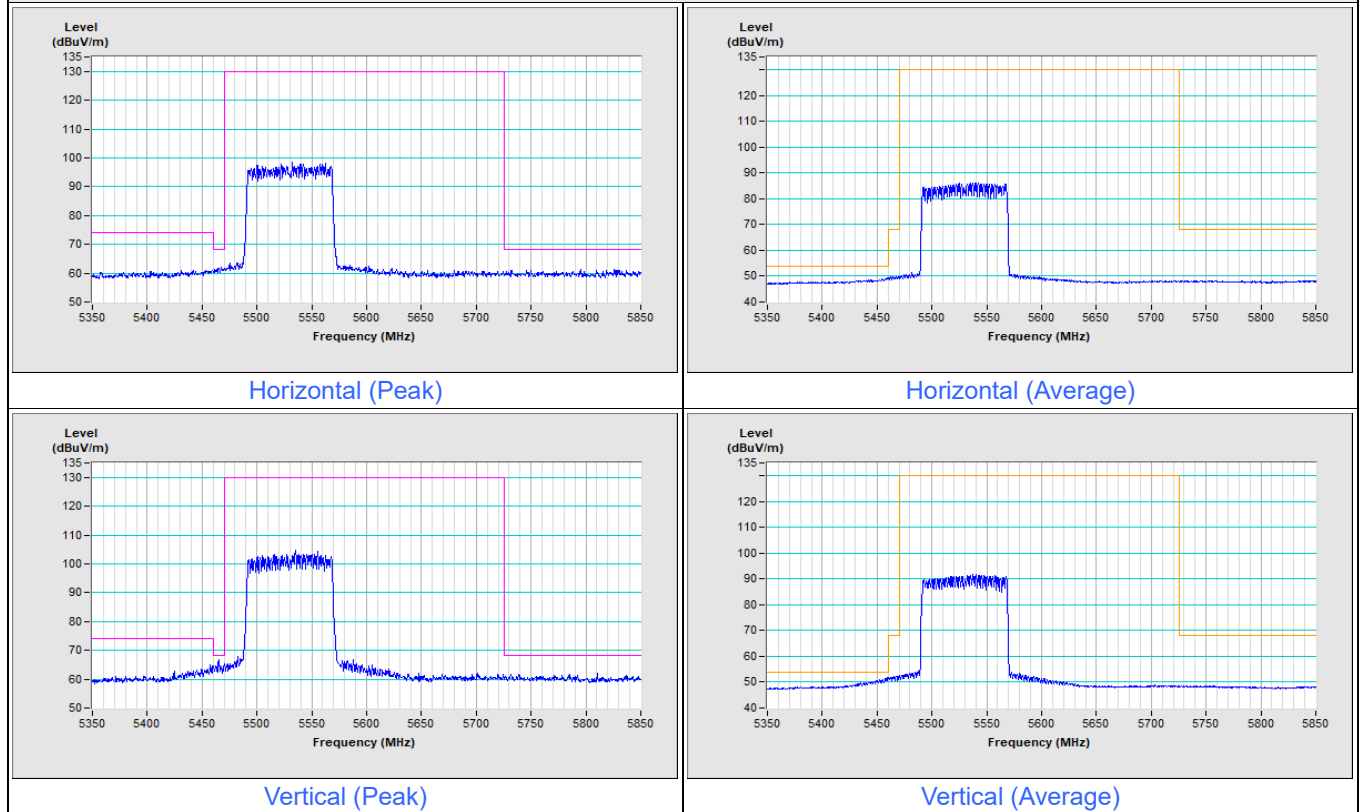
Vertical (Peak)



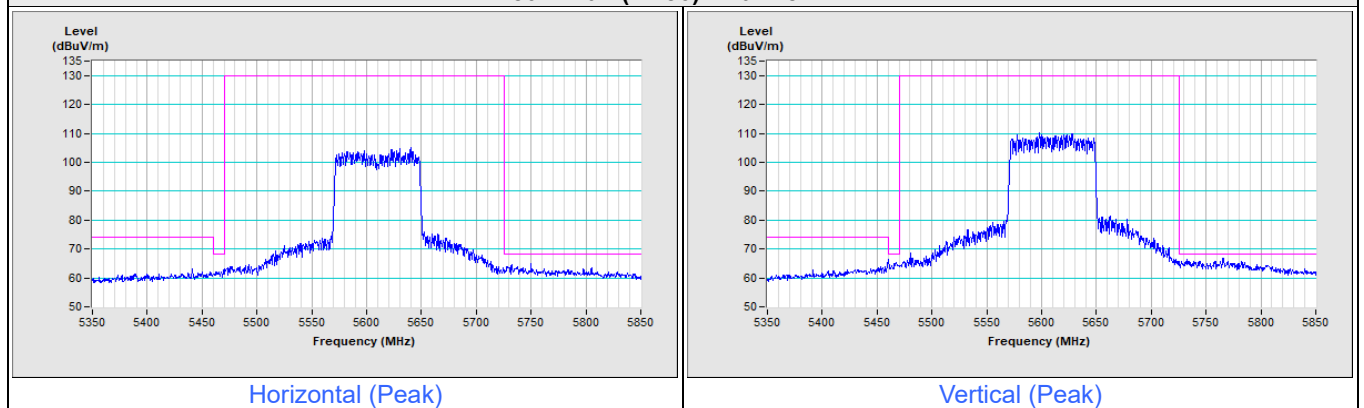
Vertical (Average)

Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

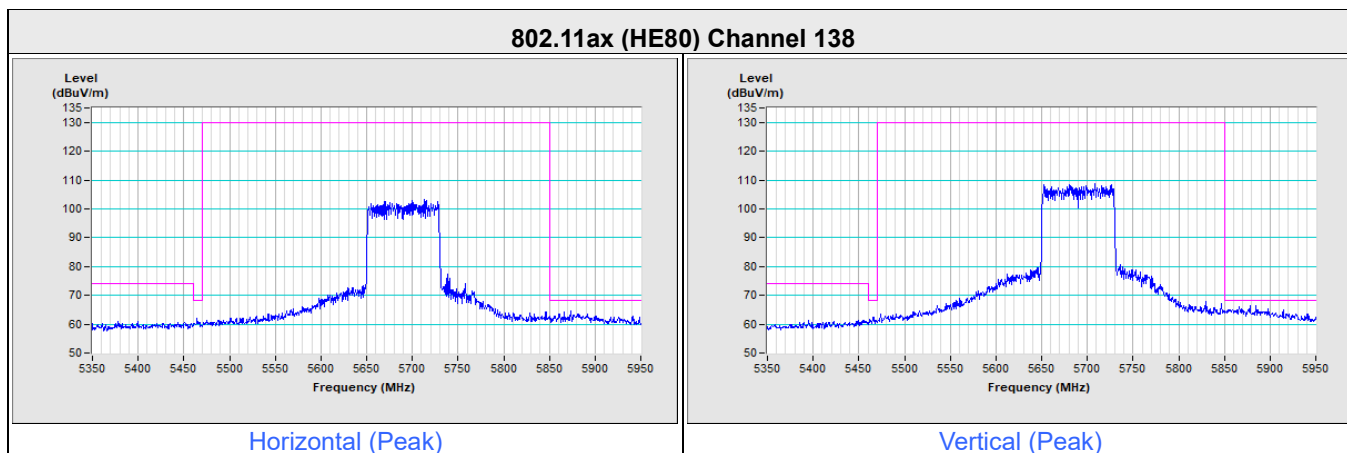
802.11ax (HE80) Channel 106



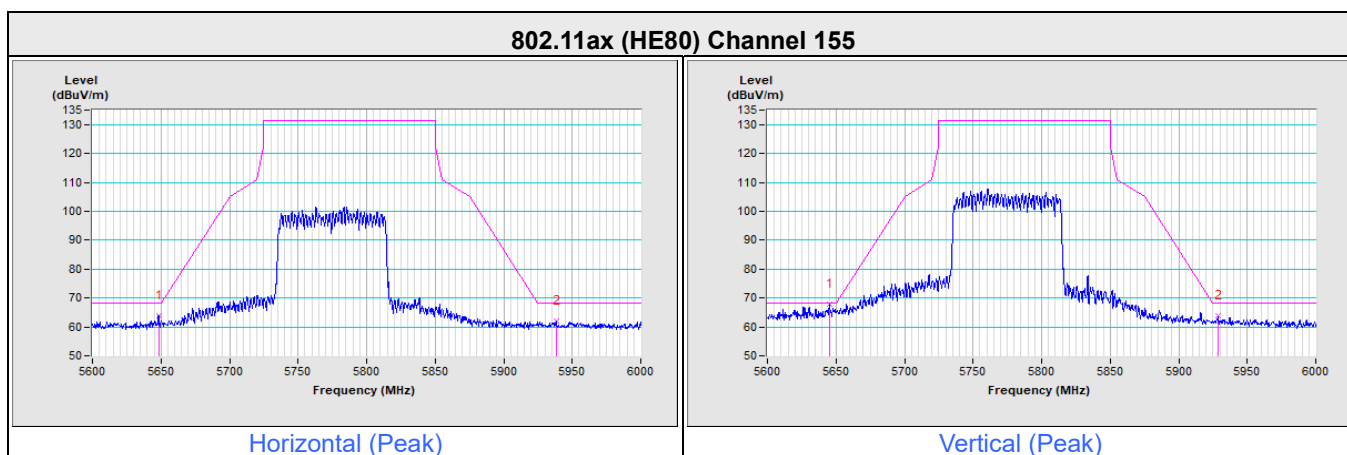
802.11ax (HE80) Channel 122



Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

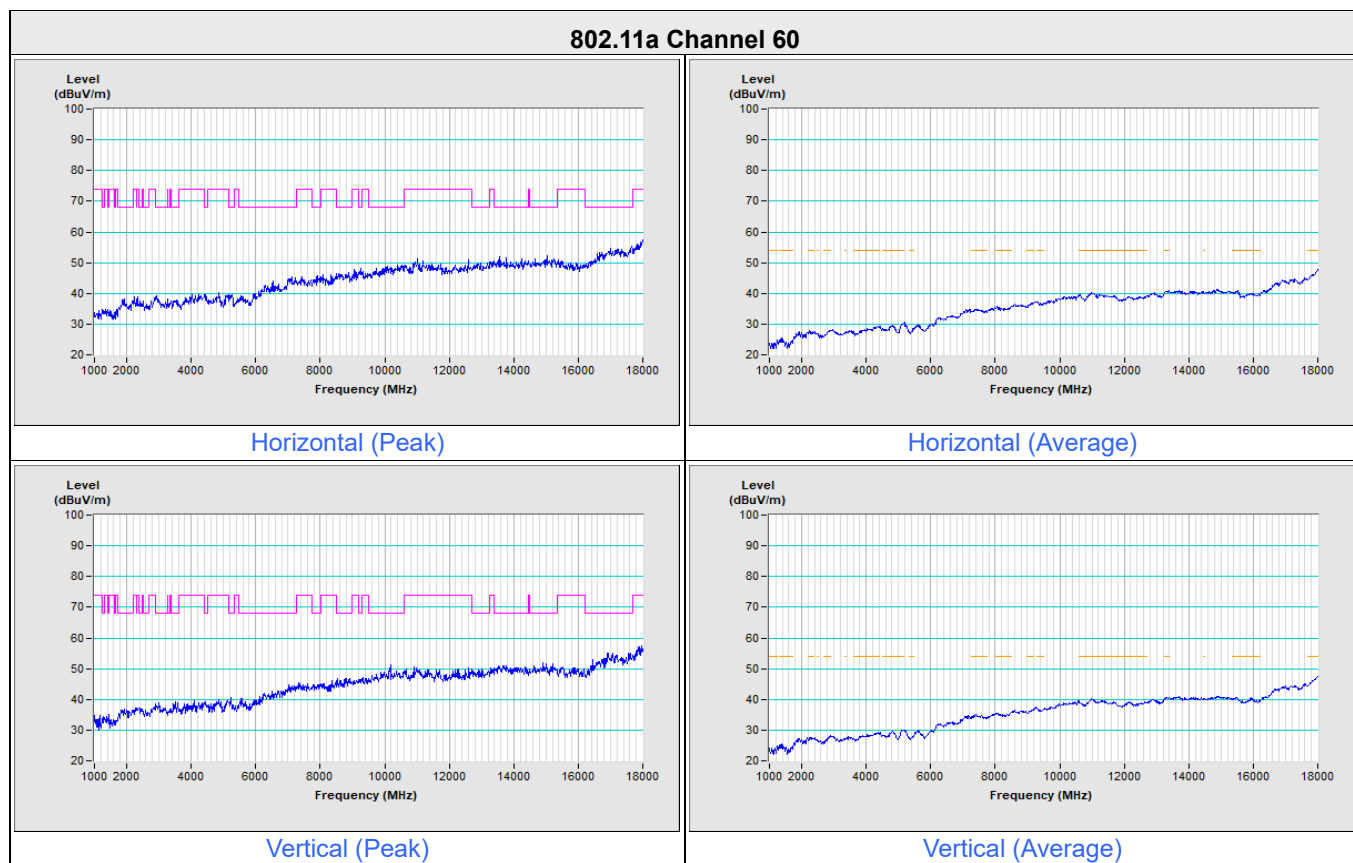


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------



Plot of Other Emission

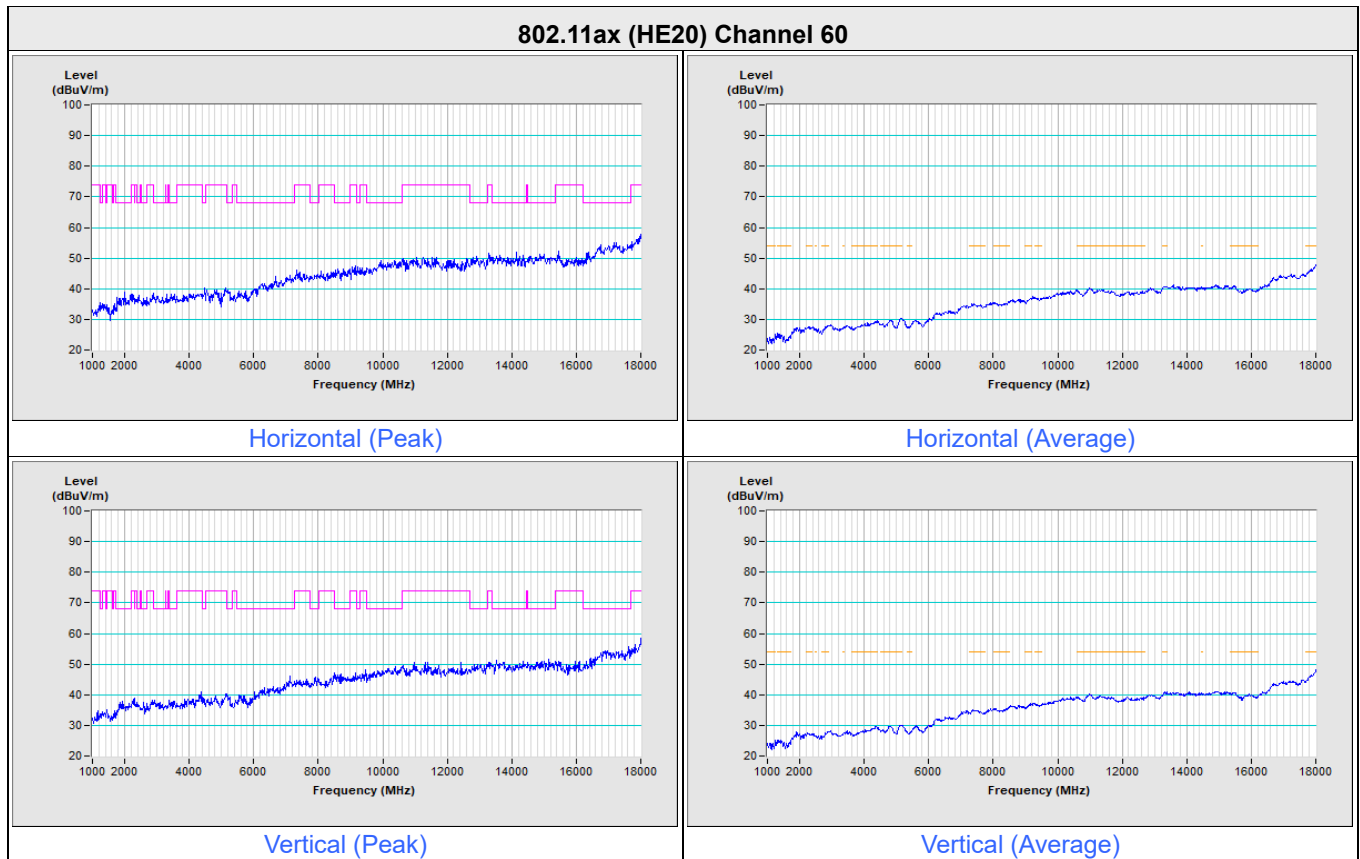
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	----------------	-------------------------------	--



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

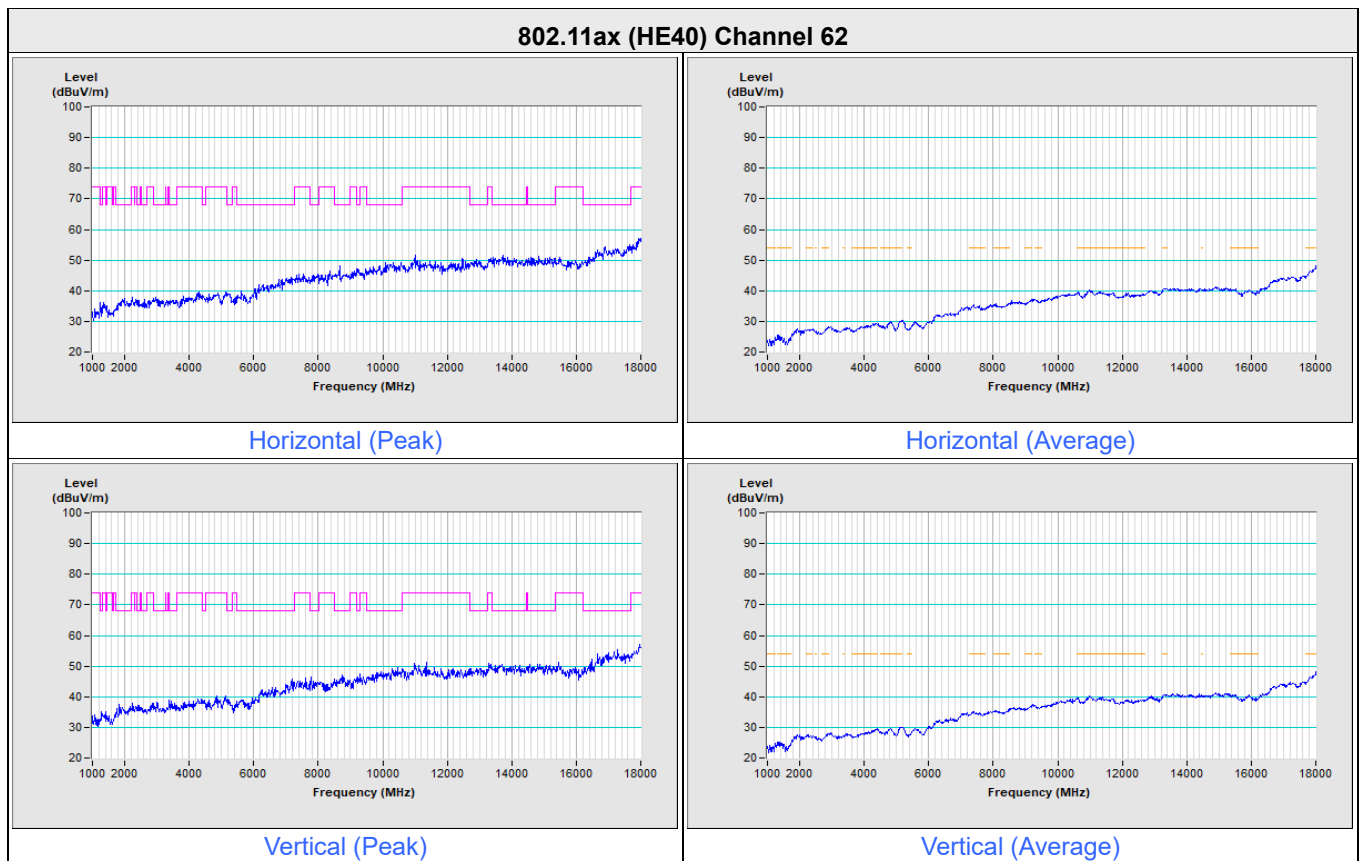
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	----------------	-------------------------------	--



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

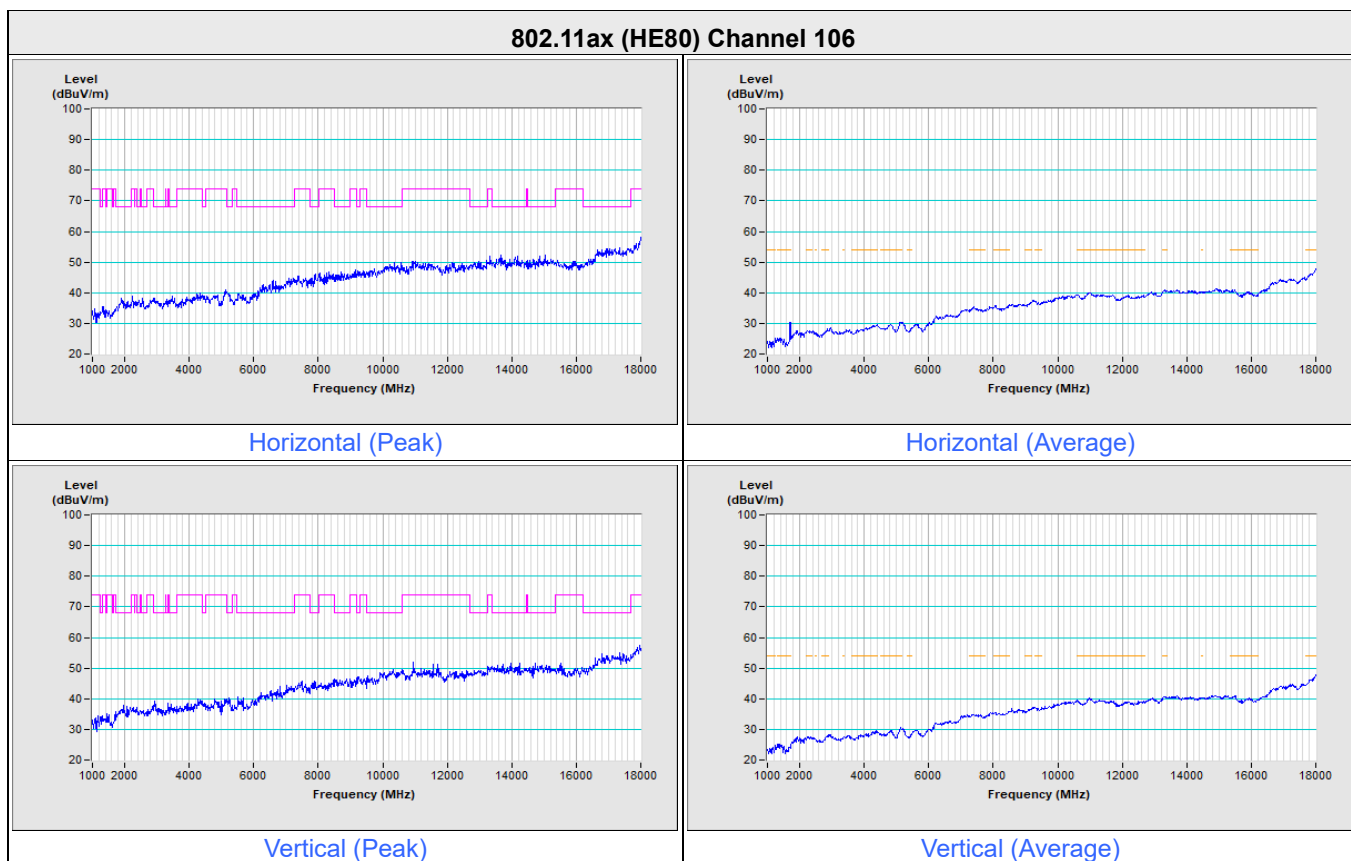
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	----------------	-------------------------------	--



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	----------------	-------------------------------	--



Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 40 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

Lin Kou EMC/RF Lab

Tel: 886-(0)2-26052180

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-(0)3-6668565 (SIP)

Tel: 886-(0)3-5120595 (WD)

Hwa Ya EMC/RF/Safety/SAR Lab & Wenming EMC/RF Lab

Tel: 886-(0)3-3183232

Email: service.adt@bureauveritas.com

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

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

--- END ---