

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFCJWN-WTW-P25110582-1
FCC ID: 2AEUP-5DFYA7
Product: Video Doorbell
Brand: ring
Model No.: 5DFYA7
Received Date: 2025/12/5
Test Date: 2025/12/9 ~ 2025/12/15
Issued Date: 2025/12/19
Applicant: Ring LLC
Address: 12515 Cerise Ave, Hawthorne, CA 90250, USA
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(1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location(2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / 788550 / TW0003 for Test Location(1)
Designation Number: 281270 / TW0032 for Test Location(2)

Approved by:

Jeremy Lin

Jeremy Lin / Project Engineer

, Date:

2025/12/19

This test report consists of 197 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	10
3.5 Duty Cycle of Test Signal	12
3.6 Test Program Used and Operation Descriptions	13
3.7 Connection Diagram of EUT and Peripheral Devices	13
3.8 Configuration of Peripheral Devices and Cable Connections	13
4 Test Instruments	14
4.1 26 dB Bandwidth	14
4.2 RF Output Power	14
4.3 Power Spectral Density	14
4.4 6 dB Bandwidth	14
4.5 Occupied Bandwidth	14
4.6 AC Power Conducted Emissions	15
4.7 Unwanted Emissions below 1 GHz	16
4.8 Unwanted Emissions above 1 GHz	17
5 Limits of Test Items	18
5.1 26 dB Bandwidth	18
5.2 RF Output Power	18
5.3 Power Spectral Density	18
5.4 6 dB Bandwidth	18
5.5 Occupied Bandwidth	18
5.6 AC Power Conducted Emissions	19
5.7 Unwanted Emissions below 1 GHz	19
5.8 Unwanted Emissions above 1 GHz	20
6 Test Arrangements	21
6.1 26 dB Bandwidth	21
6.1.1 Test Setup	21
6.1.2 Test Procedure	21
6.2 RF Output Power	22
6.2.1 Test Setup	22
6.2.2 Test Procedure	22
6.3 Power Spectral Density	23
6.3.1 Test Setup	23
6.3.2 Test Procedure	23
6.4 6 dB Bandwidth	23
6.4.1 Test Setup	23
6.4.2 Test Procedure	23
6.5 Occupied Bandwidth	24
6.5.1 Test Setup	24
6.5.2 Test Procedure	24
6.6 AC Power Conducted Emissions	25
6.6.1 Test Setup	25
6.6.2 Test Procedure	25
6.7 Unwanted Emissions below 1 GHz	26
6.7.1 Test Setup	26
6.7.2 Test Procedure	27

6.8	Unwanted Emissions above 1 GHz.....	28
6.8.1	Test Setup	28
6.8.2	Test Procedure	28
7	Test Results of Test Item	29
7.1	26 dB Bandwidth	29
7.2	RF Output Power.....	33
7.3	Power Spectral Density	49
7.4	6 dB Bandwidth	63
7.5	Occupied Bandwidth.....	65
7.6	AC Power Conducted Emissions	69
7.7	Unwanted Emissions below 1 GHz	71
7.8	Unwanted Emissions above 1 GHz.....	73
8	Pictures of Test Arrangements	196
9	Information of the Testing Laboratories	197

Release Control Record

Issue No.	Description	Date Issued
RFCJWN-WTW-P25110582-1	Original release.	2025/12/19

1 Certificate

Product: Video Doorbell

Brand: ring

Test Model: 5DFYA7

Sample Status: Engineering sample

Applicant: Ring LLC

Test Date: 2025/12/9 ~ 2025/12/15

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

Measurement ANSI C63.10-2020

procedure: KDB 789033 D02 General UNII Test Procedure New Rules v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 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 -12.00 dB at 0.38200 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.1 dB at 43.58 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 -3.0 dB at 5150.00 MHz, 5350.00 MHz and 5725.00 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

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	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 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	Video Doorbell
Brand	ring
Test Model	5DFYA7
Status of EUT	Engineering sample
Power Supply Rating	42.5-57Vdc, 0.6A
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 143.4 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
Output Power	5.18 GHz ~ 5.24 GHz: 96.161 mW (19.83 dBm) 5.26 GHz ~ 5.32 GHz: 97.499 mW (19.89 dBm) 5.50 GHz ~ 5.72 GHz: 94.624 mW (19.76 dBm) 5.745 GHz ~ 5.825 GHz: 99.312 mW (19.97 dBm)
EUT Category	Client device

Note:

1. Simultaneously transmission combination.

Combination	Technology			
1	WLAN (2.4 GHz)	BT LE-2M	FSK 125kbps	24G Radar
2	WLAN (5 GHz)	BT LE-2M	FSK 125kbps	24G Radar

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

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

Item	Antenna Gain (dBi)	Frequency Range	Antenna Type	Connector Type
BT	2.1	2.4~2.4835GHz	IFA	N/A
Wi-Fi (Ant 1 Right)	1.5	2.4~2.4835GHz		
	3.1	5.15~5.25GHz		
	3	5.25~5.35GHz		
	3	5.47~5.725GHz		
	2.5	5.725~5.85GHz		
Wi-Fi (Ant 2 Left)	2	2.4~2.4835GHz	IFA	N/A
	-0.7	5.15~5.25GHz		
	-0.5	5.25~5.35GHz		
	0.5	5.47~5.725GHz		
	0.3	5.725~5.85GHz		

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

2. The EUT incorporates a SISO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	1TX	1RX
802.11n (HT20)	1TX	1RX
802.11ac (VHT20)	1TX	1RX
802.11ax (HE20)	1TX	1RX
802.11ax (RU26/52/106/242)	1TX	1RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz, VHT mode for 20 MHz and 802.11ax mode for 20 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

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

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		

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. 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. 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis

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

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11ac (VHT20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
RF Output Power	A, B	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 26-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
Power Spectral Density	A, B	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 26-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
6 dB Bandwidth	A	802.11a	144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20)	144, 149, 157, 165	BPSK	MCS0
Occupied Bandwidth	A	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
AC Power Conducted Emissions	A	802.11ax (HE20)	157	BPSK	MCS0
Unwanted Emissions below 1 GHz	A	802.11ax (HE20)	157	BPSK	MCS0

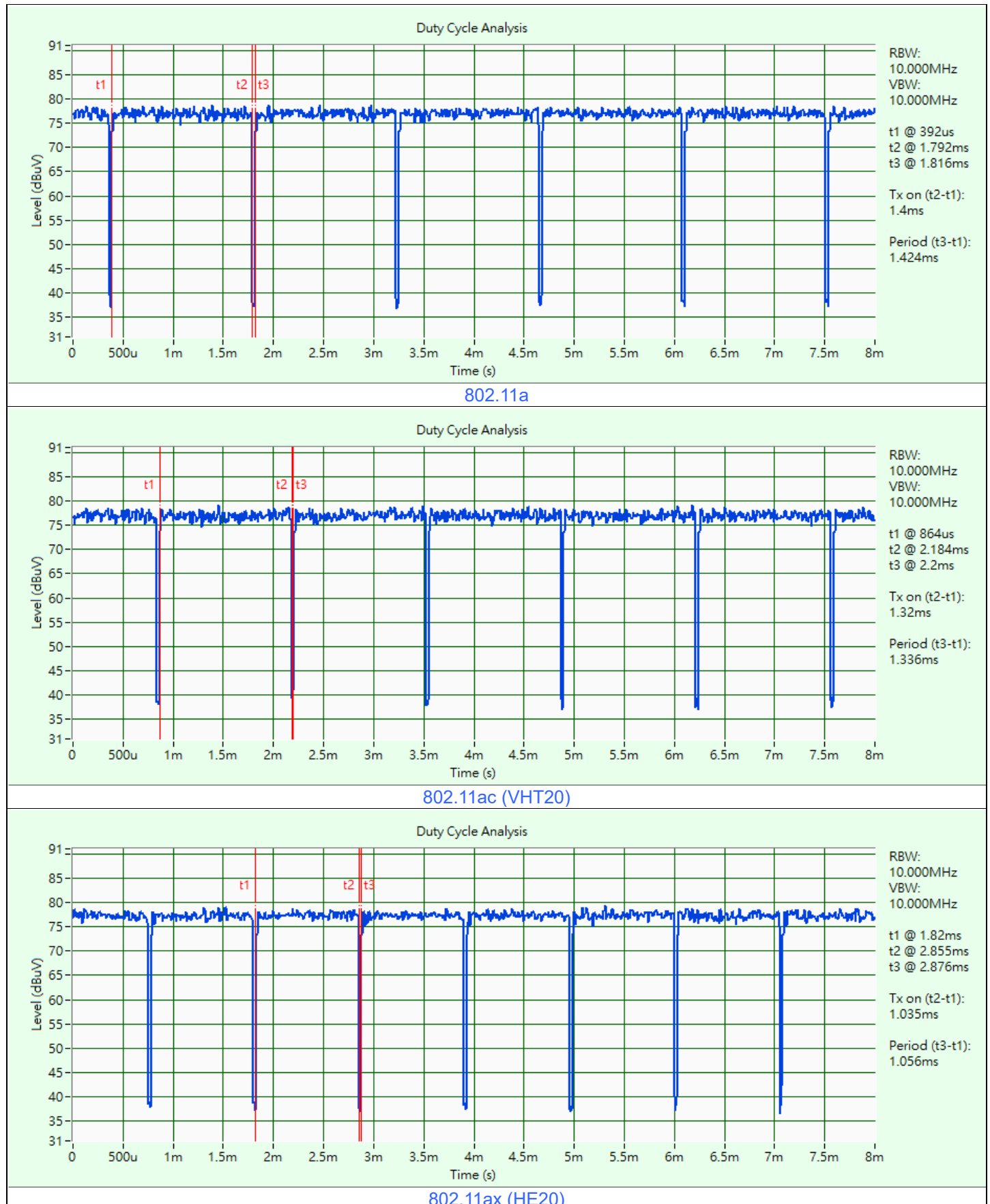
Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
Unwanted Emissions above 1 GHz	A, B	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
EUT Configure Mode:	A	Ant 1 Right			
	B	Ant 2 Left			

3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = $1.4 \text{ ms} / 1.424 \text{ ms} \times 100\% = 98.3\%$

802.11ac (VHT20): Duty cycle = $1.32 \text{ ms} / 1.336 \text{ ms} \times 100\% = 98.8\%$

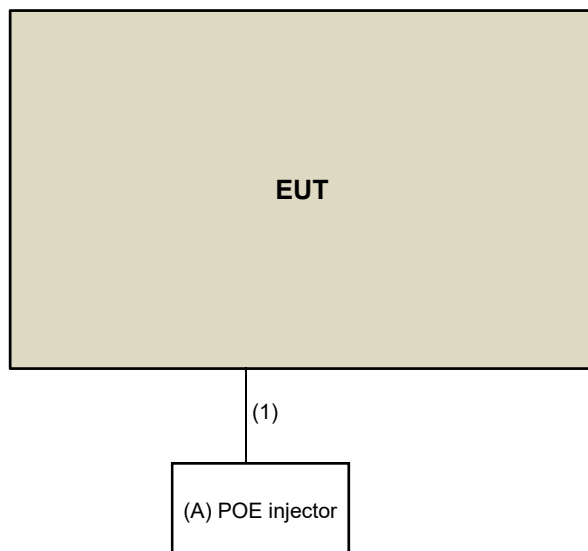
802.11ax (HE20): Duty cycle = $1.035 \text{ ms} / 1.056 \text{ ms} \times 100\% = 98.0\%$



3.6 Test Program Used and Operation Descriptions

Controlling software Compliance 1.0.1.54 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



Under Table

Remote Site

3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	POE injector	LIANGUO	LG-BTG-N601 (2.5G)	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.5	N	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
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/12/12 ~ 2025/12/15

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	MY51000485	2025/1/20	2026/1/19
Signal & Spectrum Analyzer R&S	FSV3044	101504	2025/6/18	2026/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
USB Power Sensor Anritsu	MA24408A	12994	2025/12/5	2026/12/4
Wideband Power Sensor Keysight	N1923A	MY58020002	2025/1/21	2026/1/20
		MY58140009	2025/1/21	2026/1/20

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/12/12 ~ 2025/12/15

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 HUBER+SUHNER	E1-011276	01	2025/2/11	2026/2/10
	E1-011277	02	2025/10/31	2026/10/30
	E1-011313	11	2025/2/11	2026/2/10
DC LISN Schwarzbeck	NNBM 8126G	8126G-069	2025/11/3	2026/11/2
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01445	2025/4/27	2026/4/26
EMI Test Receiver R&S	ESCI	100613	2025/11/27	2026/11/26
LISN R&S	ENV216	101826	2025/3/24	2026/3/23
	ESH3-Z5	100311	2025/8/28	2026/8/27
RF Coaxial Cable Woken	5D-FB	Cable-cond1-01	2025/1/5	2026/1/4
Software BVADT	BVADT_Conc_ 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 1.
2. Tested Date: 2025/12/13

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1214	2025/9/18	2026/9/17
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC330N	980798	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201249	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201251(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/12/13

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Horn Antenna RFSPIN	DRH18-E	210104A18E	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2025/11/9	2026/11/8
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier Agilent	83017A	MY39501357	2025/6/11	2026/6/10
Preamplifier EMCI	EMC184045SE	980788	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210103	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201241	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201244	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/12/9 ~ 2025/12/12

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

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(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

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

5.8 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: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	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.

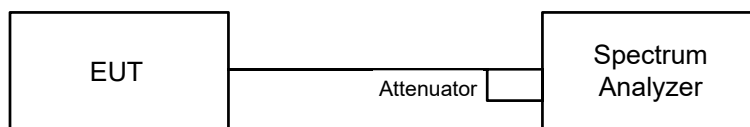
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

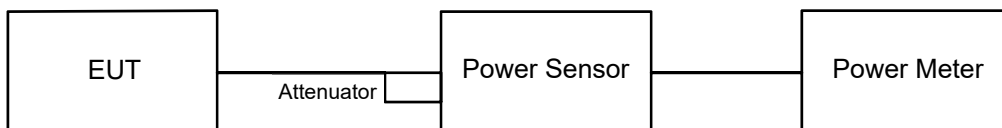


6.1.2 Test Procedure

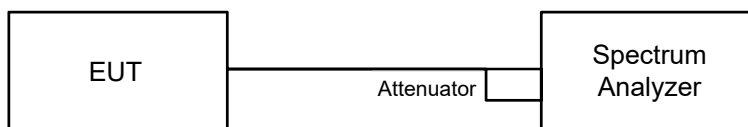
- a. Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = peak.
- d. Trace mode = max-hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust 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:

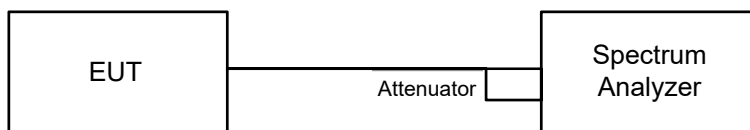
Method SA-1

- 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

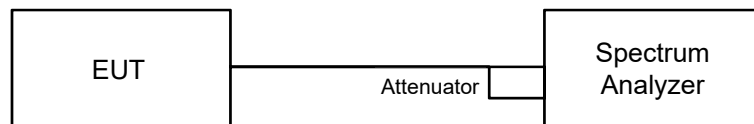
For specified measurement bandwidth 500 kHz:

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

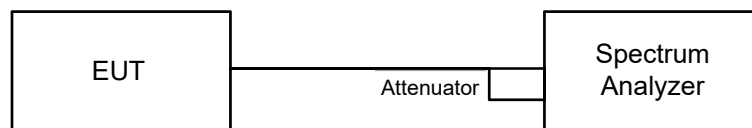


6.4.2 Test Procedure

- 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



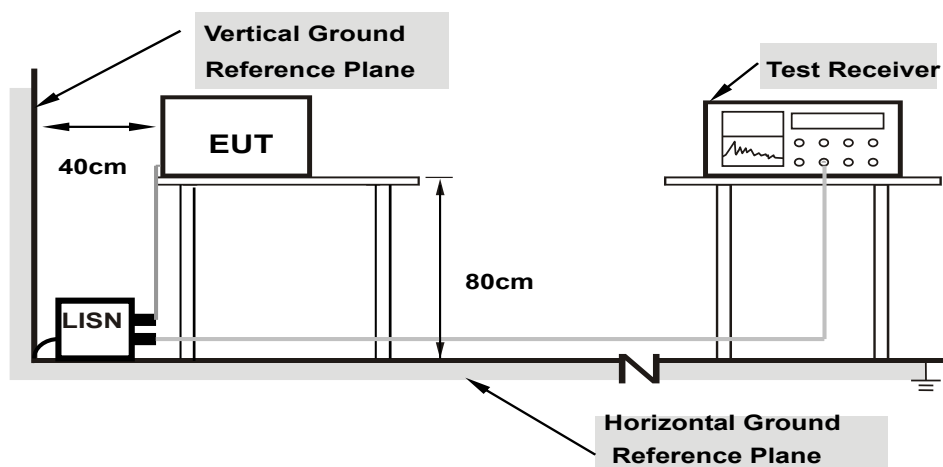
6.5.2 Test Procedure

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:

- a. 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.
- b. 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.
- c. 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 $[10 \log (OBW/RBW)]$ below the reference level.
- d. Step a) through step c) might require iteration to adjust within the specified range.
- e. 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.
- f. 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

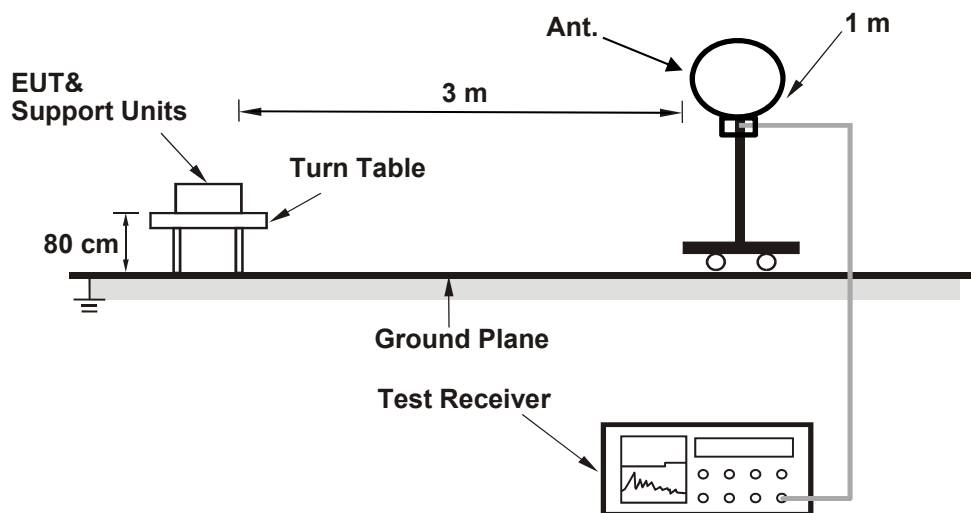
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The 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.

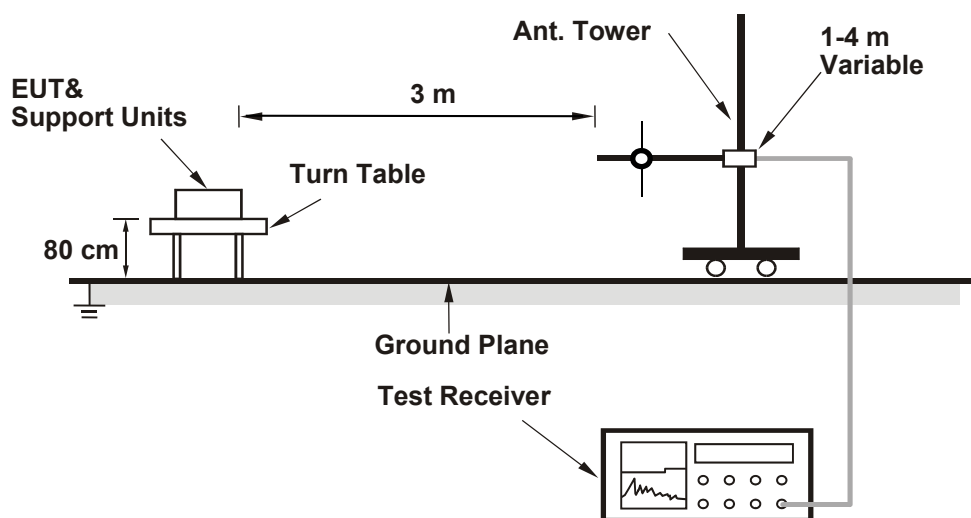
6.7 Unwanted Emissions below 1 GHz

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, 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

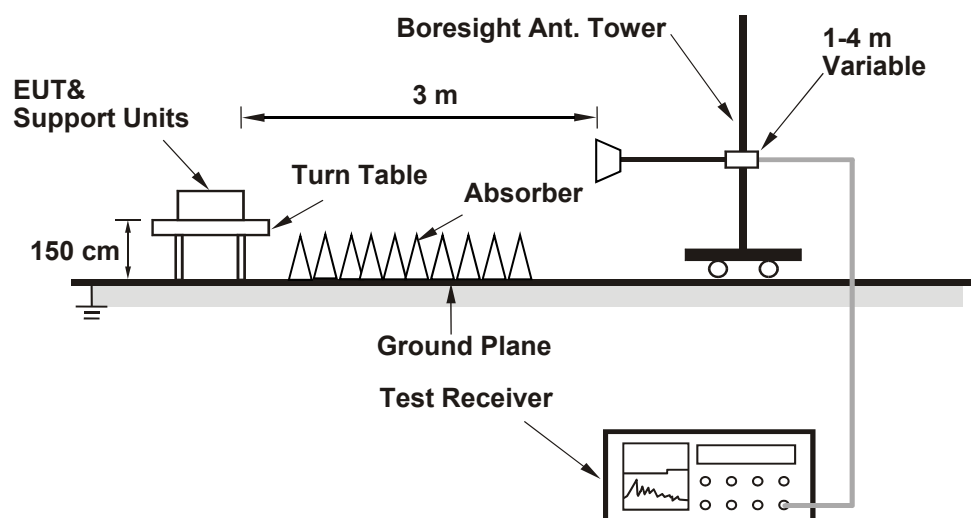
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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.
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:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	27.94
60	5300	28.15
64	5320	29.1
100	5500	19.97
116	5580	27.87
140	5700	19.96
144 (U-NII-2C)	5720	19.41
144 (U-NII-3)	5720	7.41

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	27.94	25.46	>	24
60	5300	28.15	25.49	>	24
64	5320	29.10	25.63	>	24
100	5500	19.97	24	=	24
116	5580	27.87	25.45	>	24
140	5700	19.96	24	=	24
144 (U-NII-2C)	5720	19.41	23.88	<	24

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

802.11ac (VHT20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	27.18
60	5300	26.29
64	5320	23.8
100	5500	20.7
116	5580	23.96
140	5700	20.71
144 (U-NII-2C)	5720	18.73
144 (U-NII-3)	5720	8.33

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	27.18	25.34	>	24
60	5300	26.29	25.19	>	24
64	5320	23.80	24.76	>	24
100	5500	20.70	24.15	>	24
116	5580	23.96	24.79	>	24
140	5700	20.71	24.16	>	24
144 (U-NII-2C)	5720	18.73	23.72	<	24

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

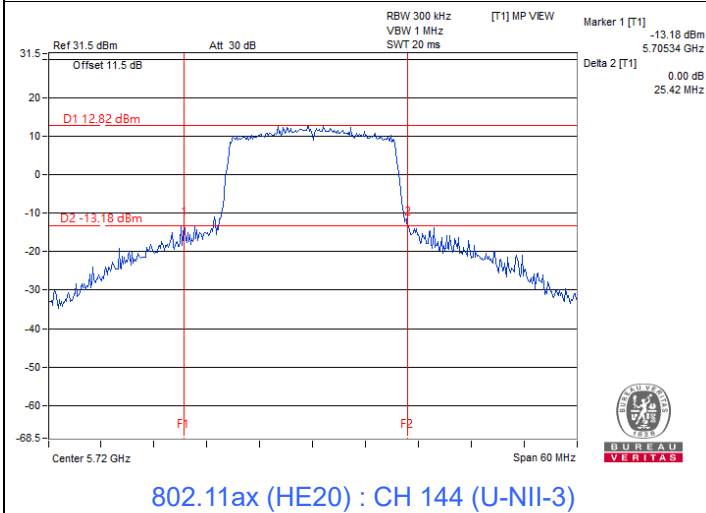
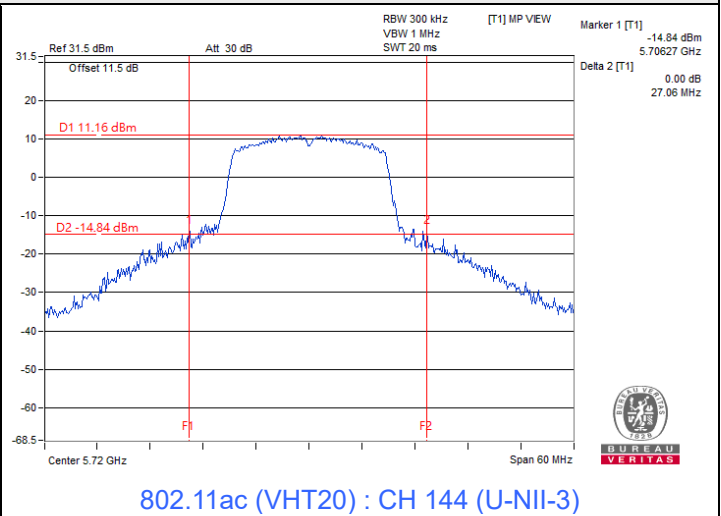
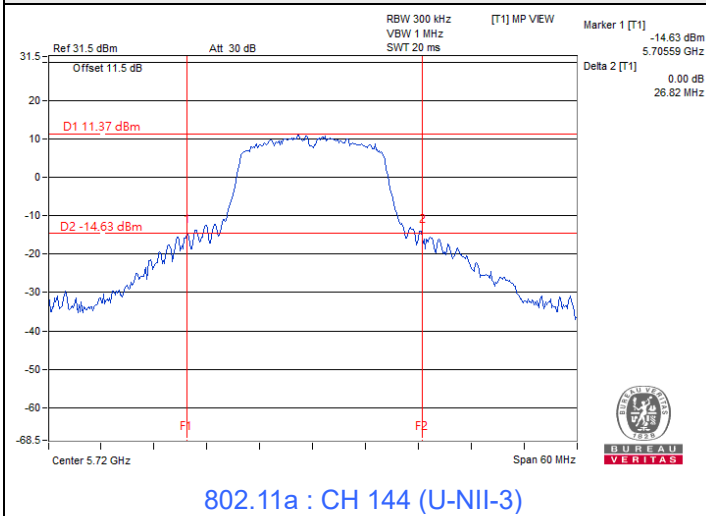
802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	25.37
60	5300	27.1
64	5320	25.76
100	5500	21.16
116	5580	29.76
140	5700	21.11
144 (U-NII-2C)	5720	19.66
144 (U-NII-3)	5720	5.76

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	25.37	25.04	>	24
60	5300	27.10	25.32	>	24
64	5320	25.76	25.1	>	24
100	5500	21.16	24.25	>	24
116	5580	29.76	25.73	>	24
140	5700	21.11	24.24	>	24
144 (U-NII-2C)	5720	19.66	23.93	<	24

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

Spectrum Plot of Minimum Value



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:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	93.111	19.69	24	Pass
40	5200	94.406	19.75	24	Pass
48	5240	93.972	19.73	24	Pass
52	5260	97.499	19.89	24	Pass
60	5300	94.624	19.76	24	Pass
64	5320	93.541	19.71	24	Pass
100	5500	48.417	16.85	24	Pass
116	5580	91.622	19.62	24	Pass
140	5700	45.92	16.62	24	Pass
*144 (U-NII-2C)	5720	66.681	18.24	23.88	Pass
*144 (U-NII-3)	5720	11.641	10.66	30	Pass
149	5745	93.541	19.71	30	Pass
157	5785	95.94	19.82	30	Pass
165	5825	92.045	19.64	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.
- For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	90.991	19.59	24	Pass
40	5200	91.411	19.61	24	Pass
48	5240	91.411	19.61	24	Pass
52	5260	91.201	19.60	24	Pass
60	5300	95.06	19.78	24	Pass
64	5320	87.297	19.41	24	Pass
100	5500	43.451	16.38	24	Pass
116	5580	93.972	19.73	24	Pass
140	5700	46.132	16.64	24	Pass
*144 (U-NII-2C)	5720	64.417	18.09	23.72	Pass
*144 (U-NII-3)	5720	12.246	10.88	30	Pass
149	5745	97.499	19.89	30	Pass
157	5785	98.628	19.94	30	Pass
165	5825	93.972	19.73	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	91.622	19.62	24	Pass
40	5200	91.833	19.63	24	Pass
48	5240	92.045	19.64	24	Pass
52	5260	91.833	19.63	24	Pass
60	5300	95.94	19.82	24	Pass
64	5320	87.7	19.43	24	Pass
100	5500	43.752	16.41	24	Pass
116	5580	94.624	19.76	24	Pass
140	5700	46.559	16.68	24	Pass
*144 (U-NII-2C)	5720	65.313	18.15	23.93	Pass
*144 (U-NII-3)	5720	15.241	11.83	30	Pass
149	5745	98.175	19.92	30	Pass
157	5785	99.312	19.97	30	Pass
165	5825	94.842	19.77	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.
- For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	11.94	10.77	24	Pass
40	5200	12.503	10.97	24	Pass
48	5240	12.359	10.92	24	Pass
52	5260	11.561	10.63	24	Pass
60	5300	12.274	10.89	24	Pass
64	5320	11.041	10.43	24	Pass
100	5500	5.483	7.39	24	Pass
116	5580	11.912	10.76	24	Pass
140	5700	5.861	7.68	24	Pass
*144 (U-NII-2C)	5720	6.427	8.08	23.93	Pass
*144 (U-NII-3)	5720	5.984	7.77	30	Pass
149	5745	12.359	10.92	30	Pass
157	5785	12.503	10.97	30	Pass
165	5825	11.94	10.77	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.
- For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	23.823	13.77	24	Pass
40	5200	24.946	13.97	24	Pass
48	5240	24.66	13.92	24	Pass
52	5260	23.067	13.63	24	Pass
60	5300	24.491	13.89	24	Pass
64	5320	22.029	13.43	24	Pass
100	5500	10.914	10.38	24	Pass
116	5580	23.768	13.76	24	Pass
140	5700	11.695	10.68	24	Pass
*144 (U-NII-2C)	5720	12.303	10.90	23.93	Pass
*144 (U-NII-3)	5720	11.614	10.65	30	Pass
149	5745	24.66	13.92	30	Pass
157	5785	24.946	13.97	30	Pass
165	5825	23.823	13.77	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.
- For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

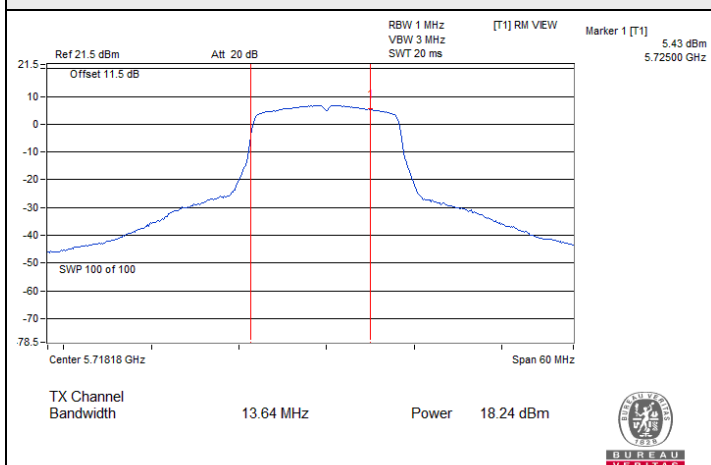
802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	47.534	16.77	24	Pass
40	5200	49.774	16.97	24	Pass
48	5240	49.204	16.92	24	Pass
52	5260	46.026	16.63	24	Pass
60	5300	48.865	16.89	24	Pass
64	5320	43.954	16.43	24	Pass
100	5500	21.979	13.42	24	Pass
116	5580	47.424	16.76	24	Pass
140	5700	23.388	13.69	24	Pass
*144 (U-NII-2C)	5720	33.42	15.24	23.93	Pass
*144 (U-NII-3)	5720	13.583	11.33	30	Pass
149	5745	49.204	16.92	30	Pass
157	5785	49.774	16.97	30	Pass
165	5825	47.534	16.77	30	Pass

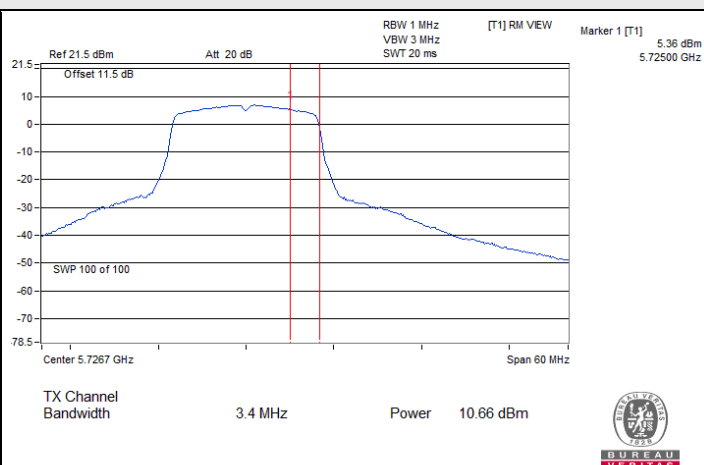
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

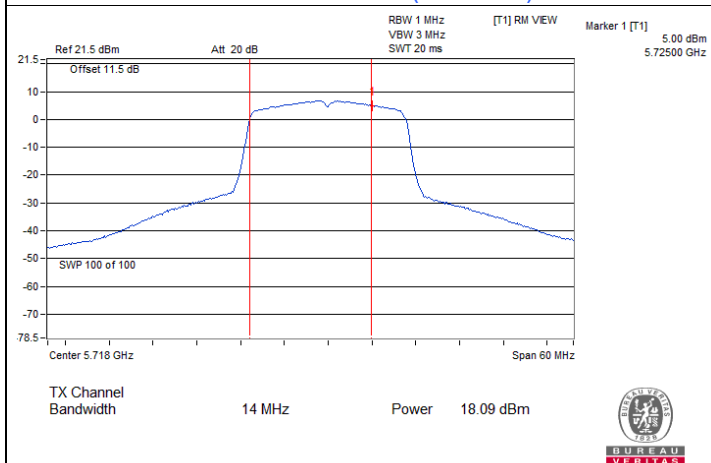
Spectrum Plot for channel straddling



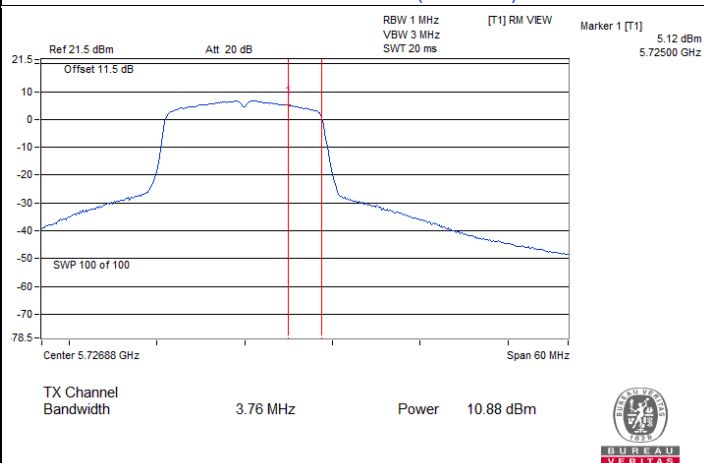
802.11a : CH 144 (U-NII-2C)



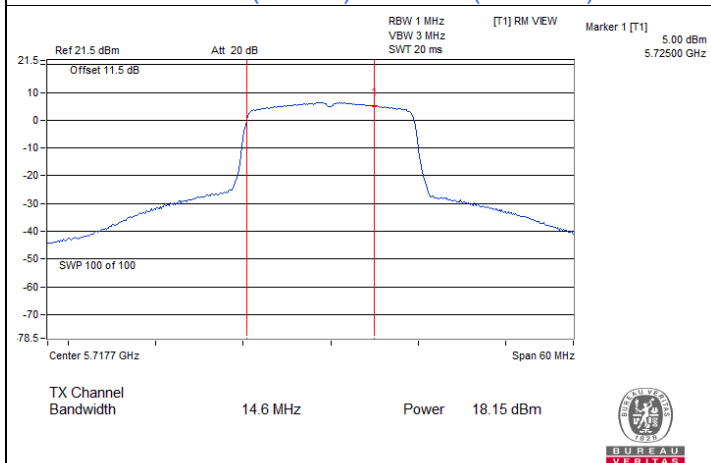
802.11a : CH 144 (U-NII-3)



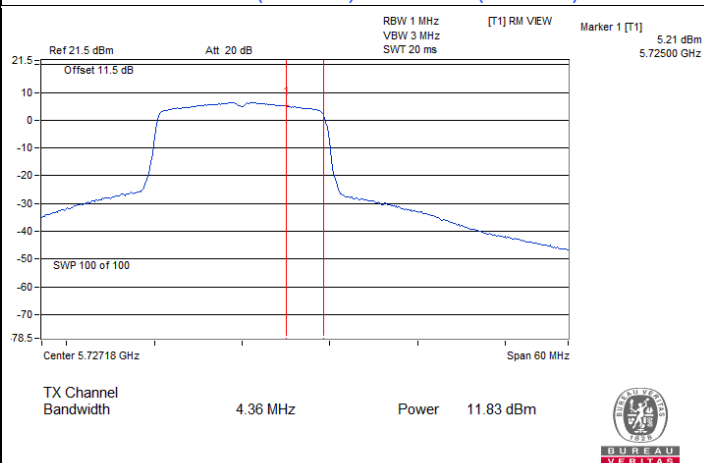
802.11ac (VHT20) : CH 144 (U-NII-2C)



802.11ac (VHT20) : CH 144 (U-NII-3)

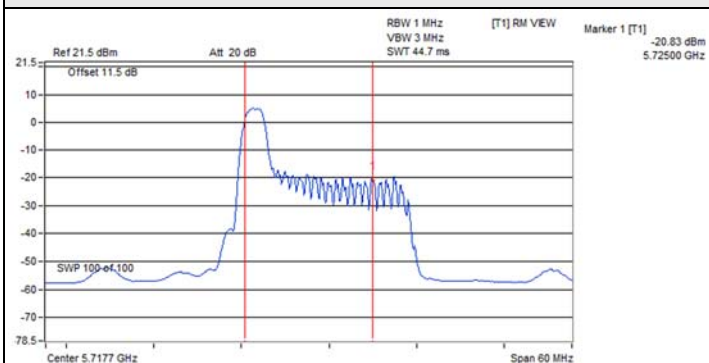


802.11ax (HE20) : CH 144 (U-NII-2C)

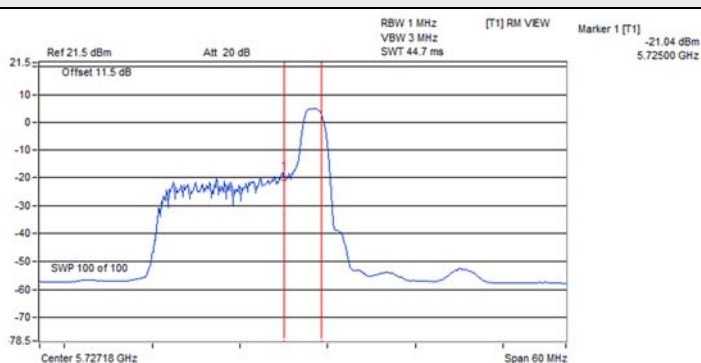


802.11ax (HE20) : CH 144 (U-NII-3)

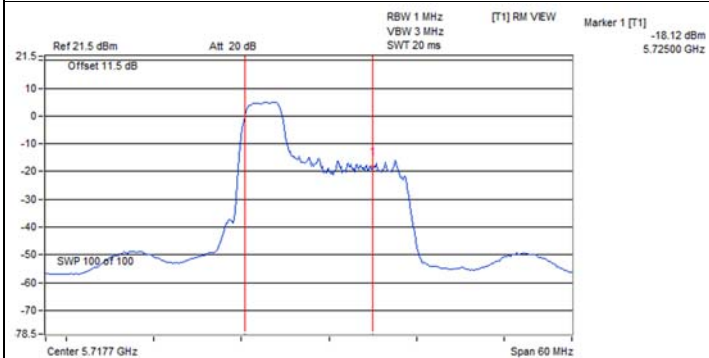
Spectrum Plot for channel straddling



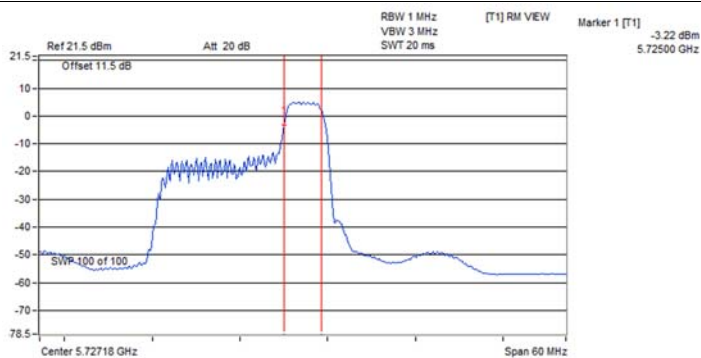
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-2C)



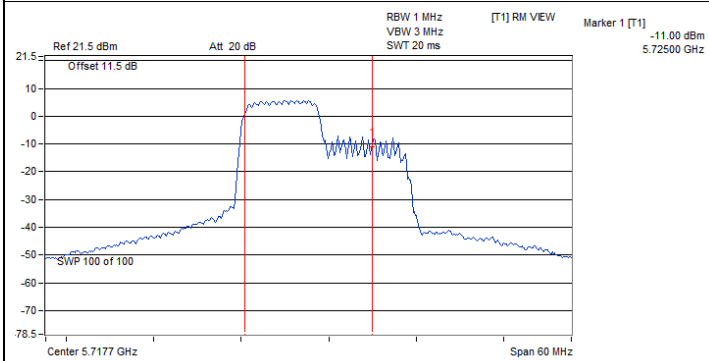
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-3)



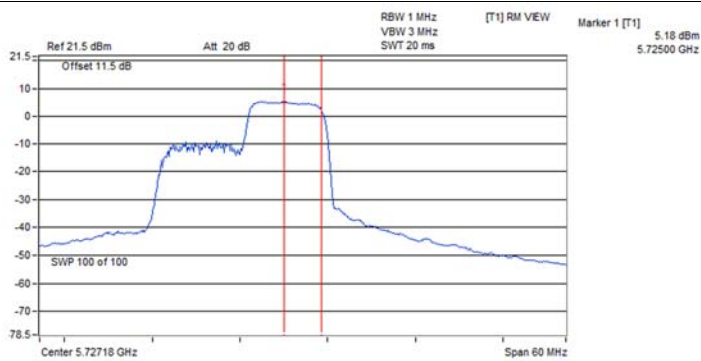
802.11ax (HE20) 52-tone RU : CH 144 (U-NII-2C)



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



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



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

Mode B

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	92.683	19.67	24	Pass
40	5200	93.972	19.73	24	Pass
48	5240	93.325	19.70	24	Pass
52	5260	96.605	19.85	24	Pass
60	5300	93.972	19.73	24	Pass
64	5320	73.114	18.64	24	Pass
100	5500	38.107	15.81	24	Pass
116	5580	90.573	19.57	24	Pass
140	5700	36.058	15.57	24	Pass
*144 (U-NII-2C)	5720	65.163	18.14	23.88	Pass
*144 (U-NII-3)	5720	11.117	10.46	30	Pass
149	5745	92.897	19.68	30	Pass
157	5785	95.499	19.80	30	Pass
165	5825	91.622	19.62	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.
- For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	93.541	19.71	24	Pass
40	5200	94.842	19.77	24	Pass
48	5240	95.499	19.80	24	Pass
52	5260	90.573	19.57	24	Pass
60	5300	93.972	19.73	24	Pass
64	5320	60.534	17.82	24	Pass
100	5500	30.2	14.80	24	Pass
116	5580	93.325	19.70	24	Pass
140	5700	36.058	15.57	24	Pass
*144 (U-NII-2C)	5720	64.565	18.10	23.72	Pass
*144 (U-NII-3)	5720	14.555	11.63	30	Pass
149	5745	96.605	19.85	30	Pass
157	5785	97.949	19.91	30	Pass
165	5825	93.325	19.70	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.
- For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	94.189	19.74	24	Pass
40	5200	95.94	19.82	24	Pass
48	5240	96.161	19.83	24	Pass
52	5260	91.201	19.60	24	Pass
60	5300	95.28	19.79	24	Pass
64	5320	61.518	17.89	24	Pass
100	5500	30.832	14.89	24	Pass
116	5580	93.972	19.73	24	Pass
140	5700	36.559	15.63	24	Pass
*144 (U-NII-2C)	5720	64.714	18.11	23.93	Pass
*144 (U-NII-3)	5720	15.136	11.80	30	Pass
149	5745	97.275	19.88	30	Pass
157	5785	98.628	19.94	30	Pass
165	5825	93.972	19.73	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	11.858	10.74	24	Pass
40	5200	12.388	10.93	24	Pass
48	5240	12.218	10.87	24	Pass
52	5260	11.508	10.61	24	Pass
60	5300	12.274	10.89	24	Pass
64	5320	7.745	8.89	24	Pass
100	5500	3.837	5.84	24	Pass
116	5580	11.83	10.73	24	Pass
140	5700	4.645	6.67	24	Pass
*144 (U-NII-2C)	5720	6.339	8.02	23.93	Pass
*144 (U-NII-3)	5720	5.943	7.74	30	Pass
149	5745	12.274	10.89	30	Pass
157	5785	12.417	10.94	30	Pass
165	5825	11.858	10.74	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	23.659	13.74	24	Pass
40	5200	24.717	13.93	24	Pass
48	5240	24.491	13.89	24	Pass
52	5260	22.909	13.60	24	Pass
60	5300	24.322	13.86	24	Pass
64	5320	15.453	11.89	24	Pass
100	5500	7.691	8.86	24	Pass
116	5580	23.55	13.72	24	Pass
140	5700	9.204	9.64	24	Pass
*144 (U-NII-2C)	5720	12.078	10.82	23.93	Pass
*144 (U-NII-3)	5720	11.508	10.61	30	Pass
149	5745	24.491	13.89	30	Pass
157	5785	24.774	13.94	30	Pass
165	5825	23.659	13.74	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

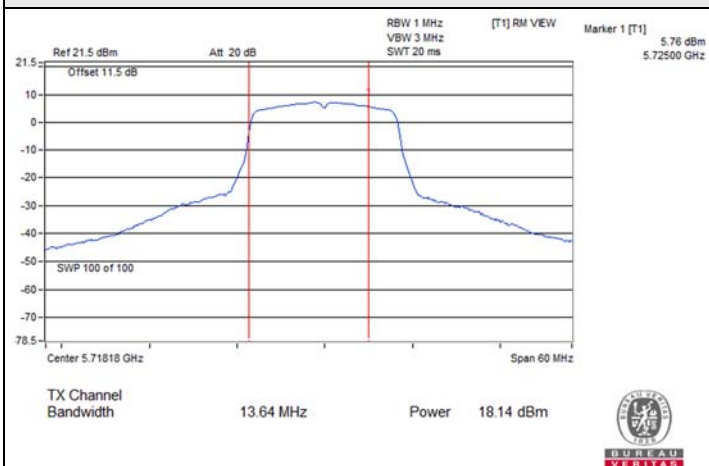
802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	46.989	16.72	24	Pass
40	5200	49.431	16.94	24	Pass
48	5240	48.865	16.89	24	Pass
52	5260	45.709	16.60	24	Pass
60	5300	48.417	16.85	24	Pass
64	5320	30.69	14.87	24	Pass
100	5500	15.311	11.85	24	Pass
116	5580	47.098	16.73	24	Pass
140	5700	18.45	12.66	24	Pass
*144 (U-NII-2C)	5720	32.961	15.18	23.93	Pass
*144 (U-NII-3)	5720	13.521	11.31	30	Pass
149	5745	48.529	16.86	30	Pass
157	5785	49.204	16.92	30	Pass
165	5825	46.989	16.72	30	Pass

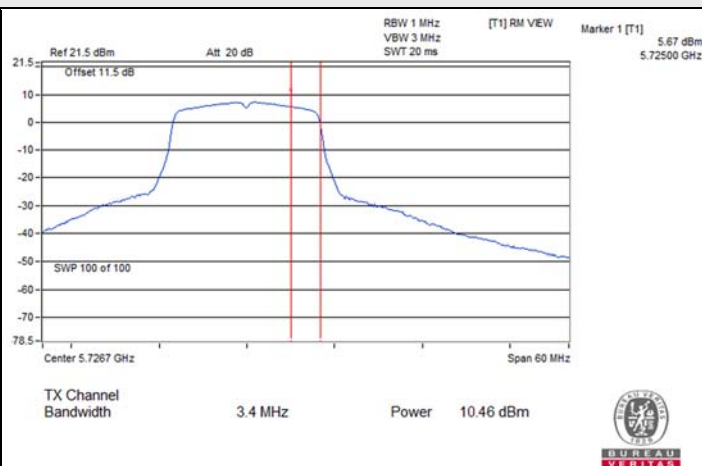
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

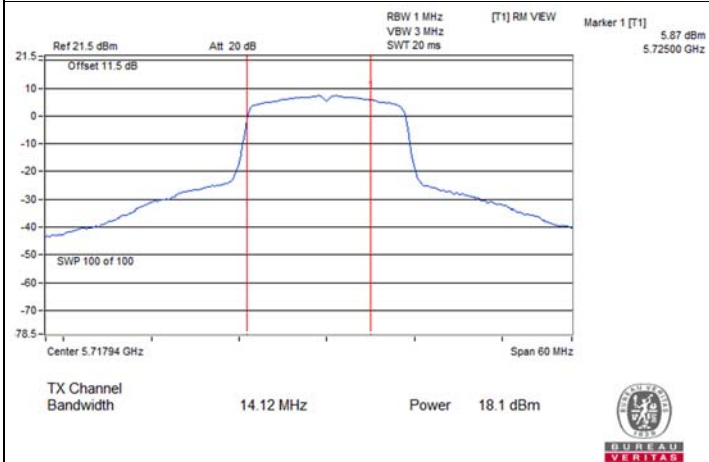
Spectrum Plot for channel straddling



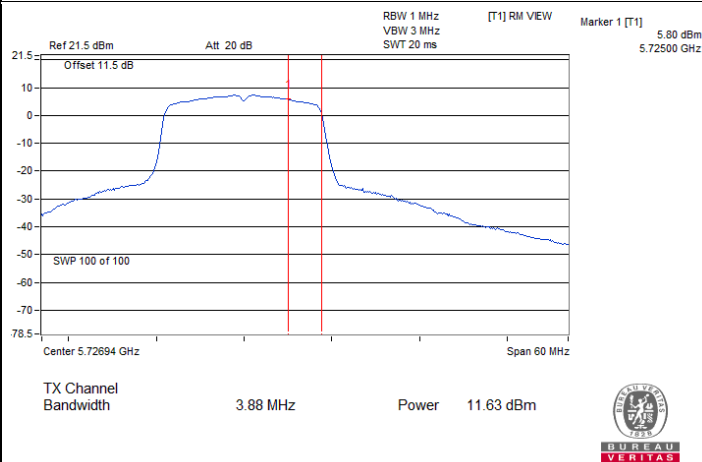
802.11a : CH 144 (U-NII-2C)



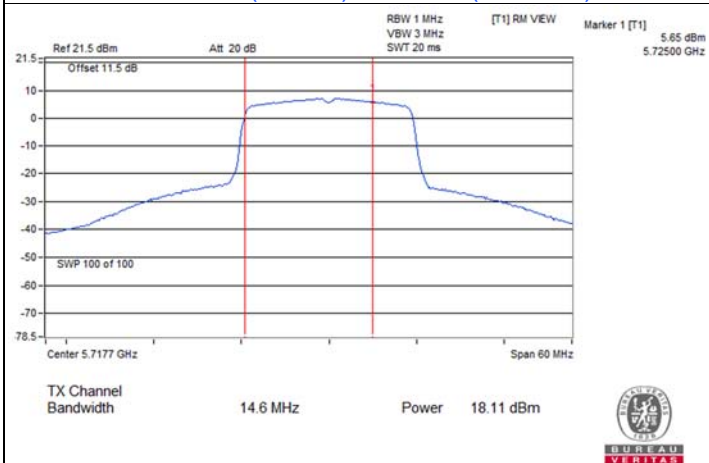
802.11a : CH 144 (U-NII-3)



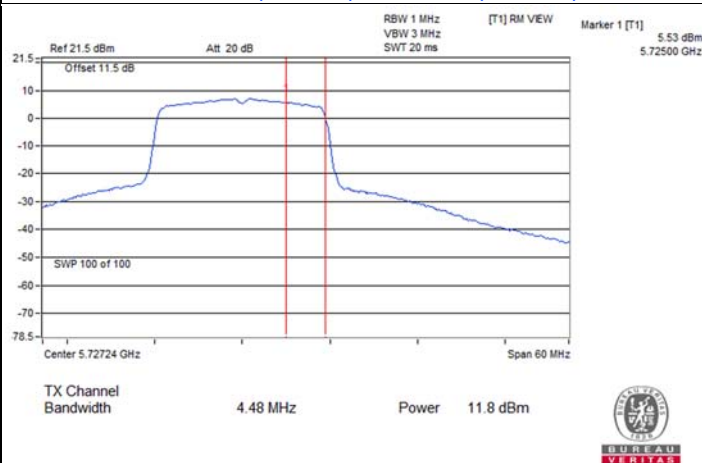
802.11ac (VHT20) : CH 144 (U-NII-2C)



802.11ac (VHT20) : CH 144 (U-NII-3)

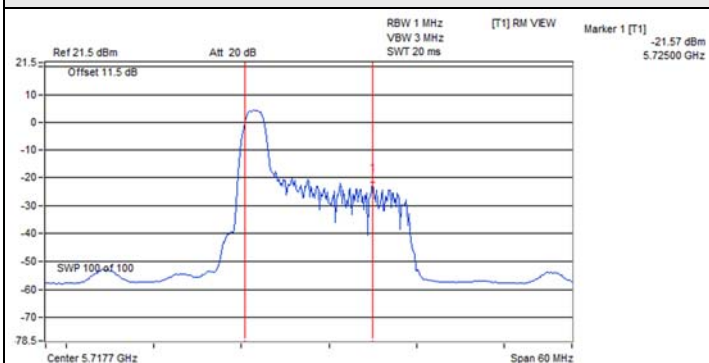


802.11ax (HE20) : CH 144 (U-NII-2C)

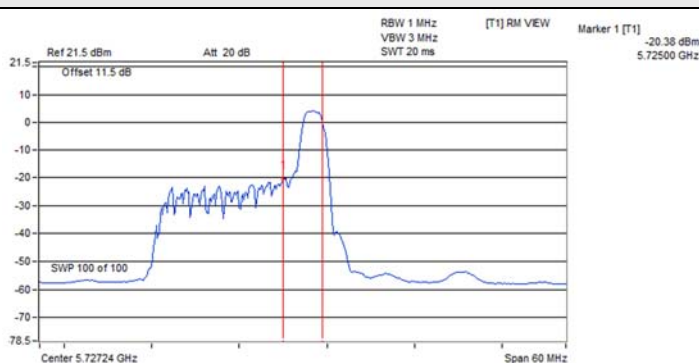


802.11ax (HE20) : CH 144 (U-NII-3)

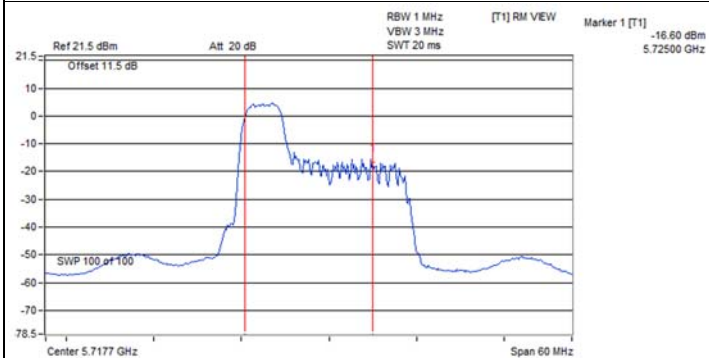
Spectrum Plot for channel straddling



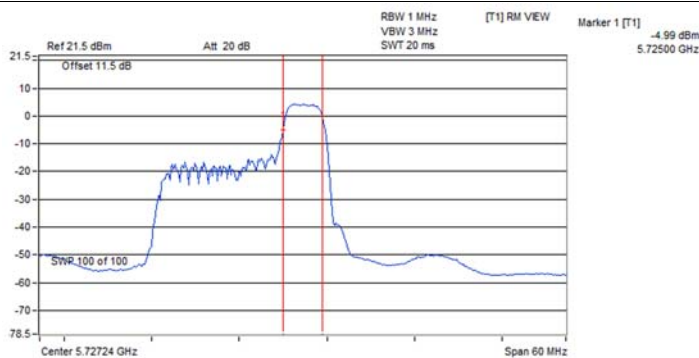
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-2C)



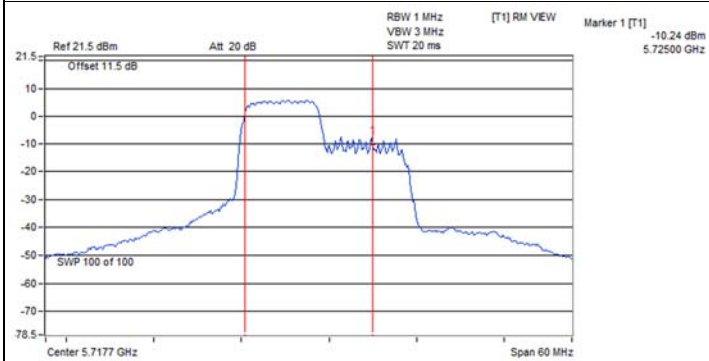
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-3)



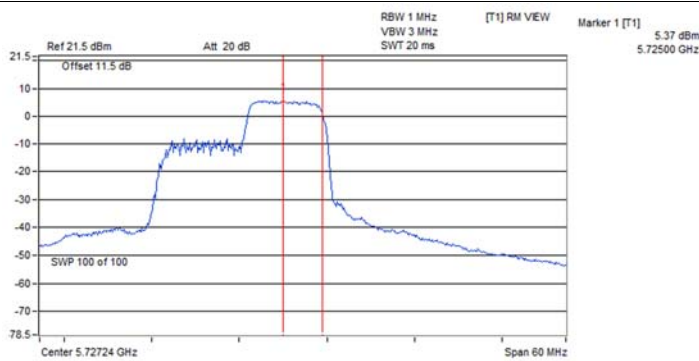
802.11ax (HE20) 52-tone RU : CH 144 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyoung Wang
---------------------------	--------------	------------	---------------

Mode A

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.44	11	Pass
40	5200	6.68	11	Pass
48	5240	6.69	11	Pass
52	5260	6.77	11	Pass
60	5300	6.71	11	Pass
64	5320	6.61	11	Pass
100	5500	3.75	11	Pass
116	5580	6.45	11	Pass
140	5700	3.44	11	Pass
144 (U-NII-2C)	5720	6.62	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.57	11	Pass
40	5200	6.59	11	Pass
48	5240	6.64	11	Pass
52	5260	6.49	11	Pass
60	5300	6.71	11	Pass
64	5320	6.28	11	Pass
100	5500	3.37	11	Pass
116	5580	6.71	11	Pass
140	5700	3.66	11	Pass
144 (U-NII-2C)	5720	6.72	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.54	11	Pass
40	5200	6.61	11	Pass
48	5240	6.54	11	Pass
52	5260	6.48	11	Pass
60	5300	6.73	11	Pass
64	5320	6.30	11	Pass
100	5500	3.25	11	Pass
116	5580	6.53	11	Pass
140	5700	3.44	11	Pass
144 (U-NII-2C)	5720	6.73	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.34	11	Pass
40	5200	6.56	11	Pass
48	5240	6.39	11	Pass
52	5260	6.25	11	Pass
60	5300	6.53	11	Pass
64	5320	6.09	11	Pass
100	5500	3.11	11	Pass
116	5580	6.28	11	Pass
140	5700	3.35	11	Pass
144 (U-NII-2C)	5720	6.38	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.40	11	Pass
40	5200	6.49	11	Pass
48	5240	6.49	11	Pass
52	5260	6.46	11	Pass
60	5300	6.63	11	Pass
64	5320	6.14	11	Pass
100	5500	3.01	11	Pass
116	5580	6.47	11	Pass
140	5700	3.08	11	Pass
144 (U-NII-2C)	5720	6.44	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.33	11	Pass
40	5200	6.44	11	Pass
48	5240	6.36	11	Pass
52	5260	6.35	11	Pass
60	5300	6.42	11	Pass
64	5320	6.06	11	Pass
100	5500	3.18	11	Pass
116	5580	6.46	11	Pass
140	5700	3.15	11	Pass
144 (U-NII-2C)	5720	6.49	11	Pass

Notes:

1. For U-NII-1, the antenna gain is 3.1 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.1	-0.88	30	Pass
149	5745	-1.01	1.21	30	Pass
157	5785	-0.93	1.29	30	Pass
165	5825	-1.22	1.00	30	Pass

Note: For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.17	-0.95	30	Pass
149	5745	-1.29	0.93	30	Pass
157	5785	-1.19	1.03	30	Pass
165	5825	-1.48	0.74	30	Pass

Note: For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.91	-1.69	30	Pass
149	5745	-2.21	0.01	30	Pass
157	5785	-2.15	0.07	30	Pass
165	5825	-2.54	-0.32	30	Pass

Note: For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-4.09	-1.87	30	Pass
149	5745	-2.45	-0.23	30	Pass
157	5785	-2.44	-0.22	30	Pass
165	5825	-2.74	-0.52	30	Pass

Note: For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.63	-1.41	30	Pass
149	5745	-2.3	-0.08	30	Pass
157	5785	-2.22	0.00	30	Pass
165	5825	-2.7	-0.48	30	Pass

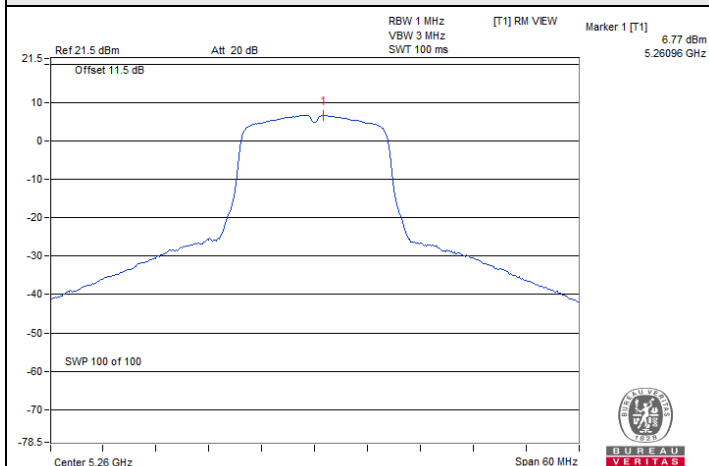
Note: For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

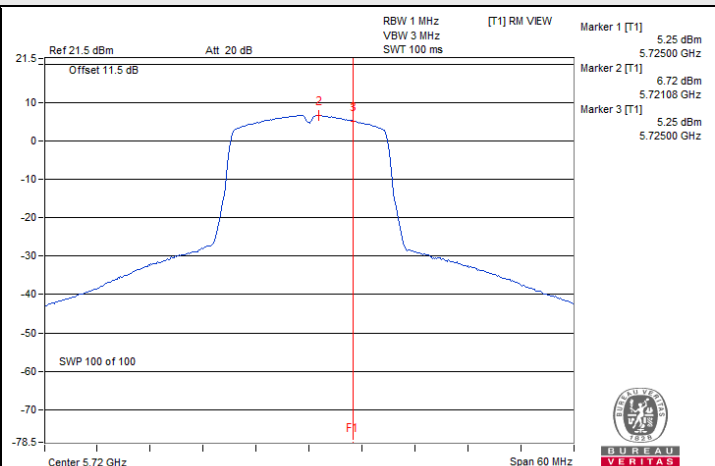
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-2.86	-0.64	30	Pass
149	5745	-2.28	-0.06	30	Pass
157	5785	-2.24	-0.02	30	Pass
165	5825	-2.57	-0.35	30	Pass

Note: For U-NII-3, the antenna gain is 2.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

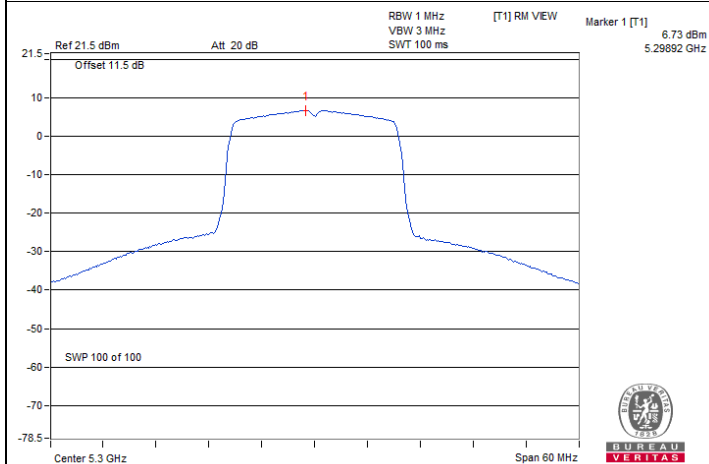
Spectrum Plot of Maximum Value



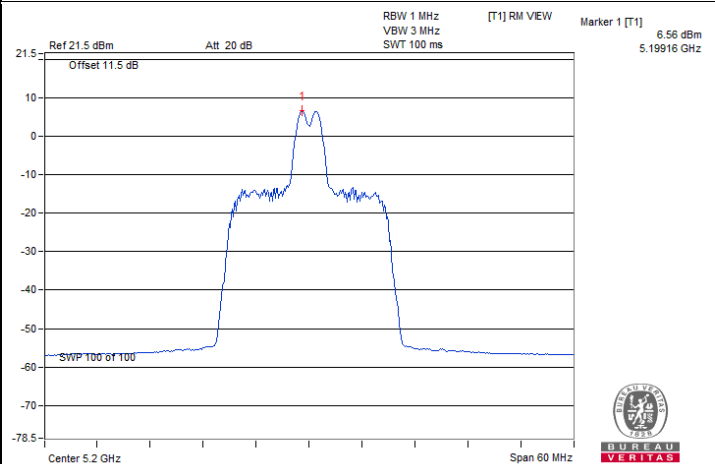
802.11a : CH 52



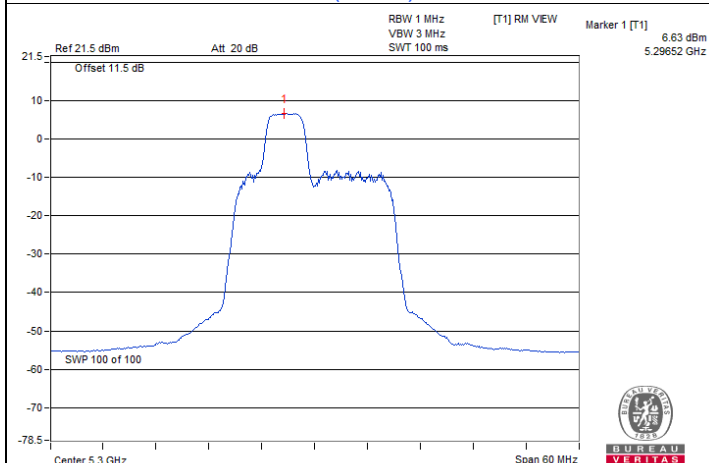
802.11ac (VHT20) : CH 144 (U-NII-2C)



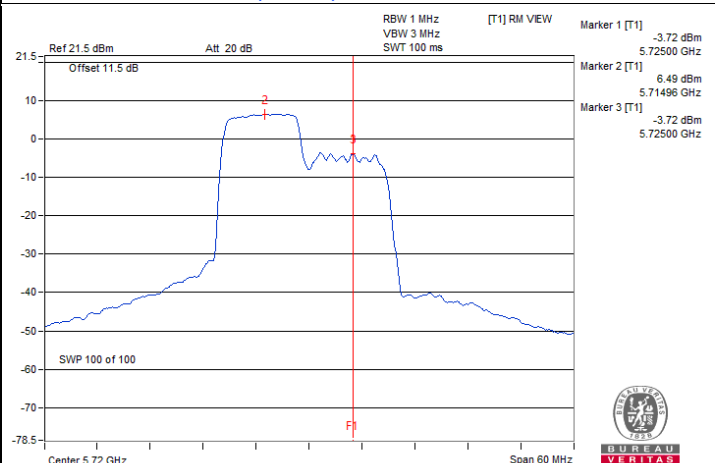
802.11ax (HE20) : CH 60



802.11ax (HE20) 26-tone RU : CH 40

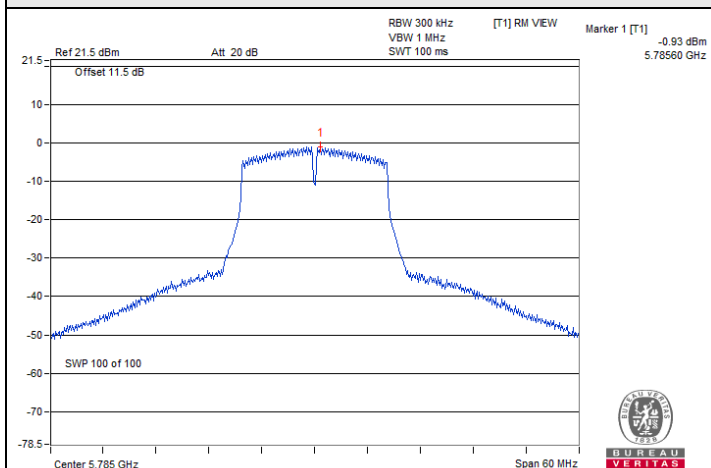


802.11ax (HE20) 52-tone RU : CH 60

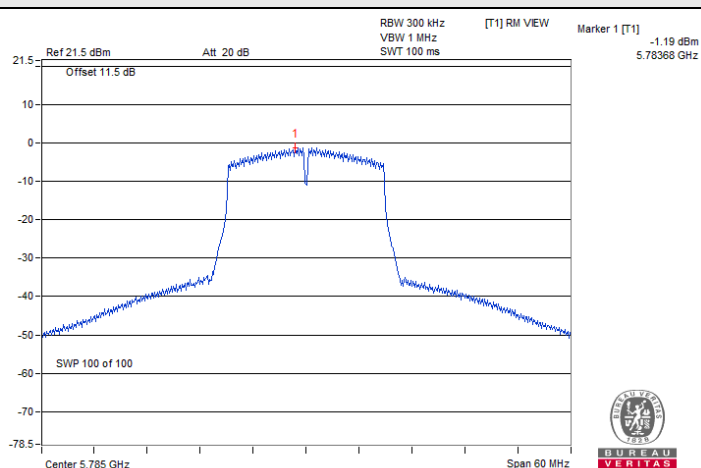


802.11ax (HE20) 106-tone RU : CH 144 (U-NII-2C)

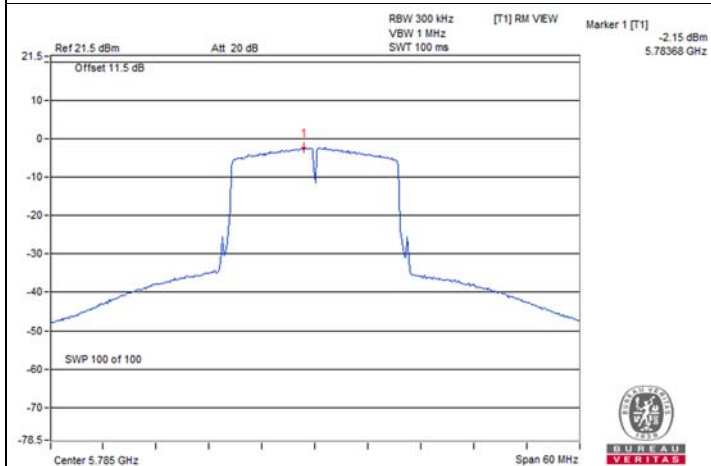
Spectrum Plot of Maximum Value



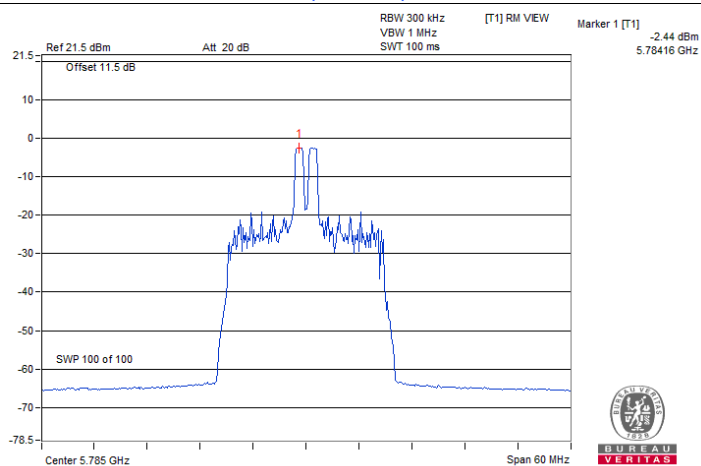
802.11a : CH 157



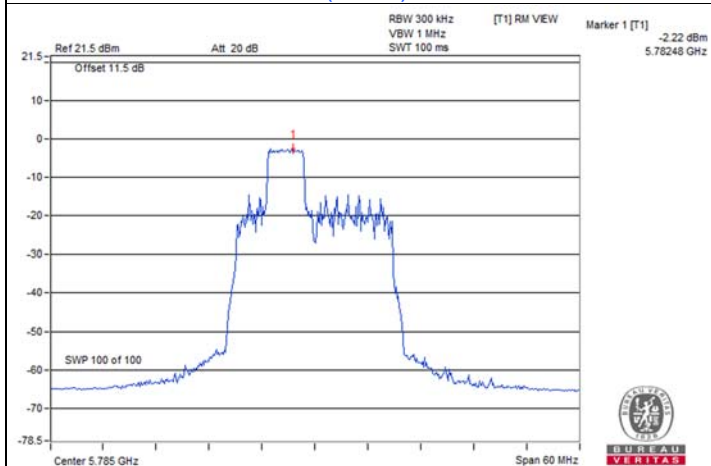
802.11ac (VHT20) : CH 157



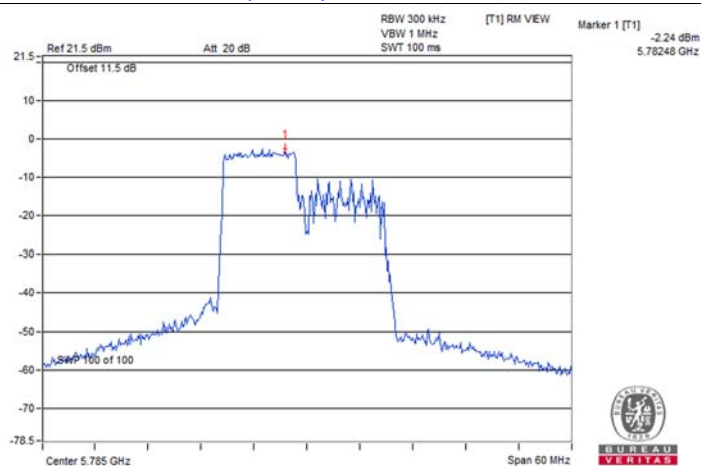
802.11ax (HE20) : CH 157



802.11ax (HE20) 26-tone RU : CH 157



802.11ax (HE20) 52-tone RU : CH 157



802.11ax (HE20) 106-tone RU : CH 157

Mode B

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.42	11	Pass
40	5200	6.67	11	Pass
48	5240	6.67	11	Pass
52	5260	6.75	11	Pass
60	5300	6.69	11	Pass
64	5320	5.64	11	Pass
100	5500	2.79	11	Pass
116	5580	6.43	11	Pass
140	5700	2.54	11	Pass
144 (U-NII-2C)	5720	6.59	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.55	11	Pass
40	5200	6.57	11	Pass
48	5240	6.62	11	Pass
52	5260	6.47	11	Pass
60	5300	6.68	11	Pass
64	5320	4.82	11	Pass
100	5500	1.86	11	Pass
116	5580	6.69	11	Pass
140	5700	2.55	11	Pass
144 (U-NII-2C)	5720	6.70	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.52	11	Pass
40	5200	6.59	11	Pass
48	5240	6.52	11	Pass
52	5260	6.46	11	Pass
60	5300	6.68	11	Pass
64	5320	4.85	11	Pass
100	5500	1.85	11	Pass
116	5580	6.50	11	Pass
140	5700	2.58	11	Pass
144 (U-NII-2C)	5720	6.71	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.34	11	Pass
40	5200	6.54	11	Pass
48	5240	6.37	11	Pass
52	5260	6.23	11	Pass
60	5300	6.51	11	Pass
64	5320	4.69	11	Pass
100	5500	1.72	11	Pass
116	5580	6.26	11	Pass
140	5700	2.42	11	Pass
144 (U-NII-2C)	5720	6.37	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.38	11	Pass
40	5200	6.48	11	Pass
48	5240	6.48	11	Pass
52	5260	6.40	11	Pass
60	5300	6.57	11	Pass
64	5320	4.68	11	Pass
100	5500	1.72	11	Pass
116	5580	6.45	11	Pass
140	5700	2.45	11	Pass
144 (U-NII-2C)	5720	6.42	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	6.32	11	Pass
40	5200	6.42	11	Pass
48	5240	6.34	11	Pass
52	5260	6.34	11	Pass
60	5300	6.40	11	Pass
64	5320	4.77	11	Pass
100	5500	1.77	11	Pass
116	5580	6.44	11	Pass
140	5700	2.45	11	Pass
144 (U-NII-2C)	5720	6.48	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 0.5 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.2	-0.98	30	Pass
149	5745	-1.24	0.98	30	Pass
157	5785	-1.06	1.16	30	Pass
165	5825	-1.33	0.89	30	Pass

Note: For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.19	-0.97	30	Pass
149	5745	-1.31	0.91	30	Pass
157	5785	-1.21	1.01	30	Pass
165	5825	-1.5	0.72	30	Pass

Note: For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.92	-1.70	30	Pass
149	5745	-2.22	0.00	30	Pass
157	5785	-2.16	0.06	30	Pass
165	5825	-2.56	-0.34	30	Pass

Note: For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-4.1	-1.88	30	Pass
149	5745	-2.53	-0.31	30	Pass
157	5785	-2.46	-0.24	30	Pass
165	5825	-2.79	-0.57	30	Pass

Note: For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-3.65	-1.43	30	Pass
149	5745	-2.32	-0.10	30	Pass
157	5785	-2.24	-0.02	30	Pass
165	5825	-2.71	-0.49	30	Pass

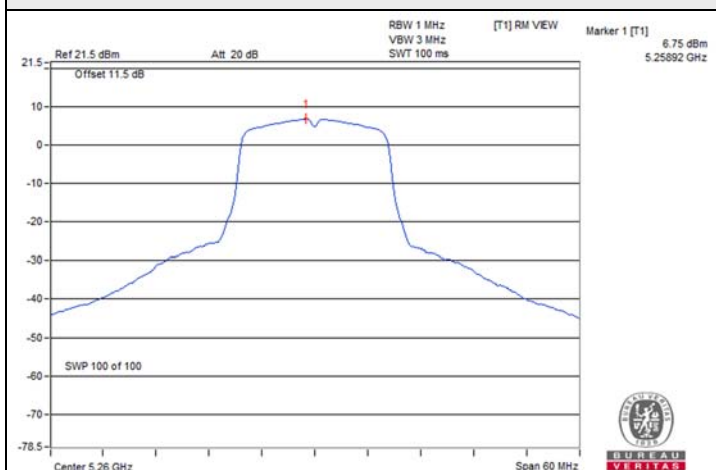
Note: For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

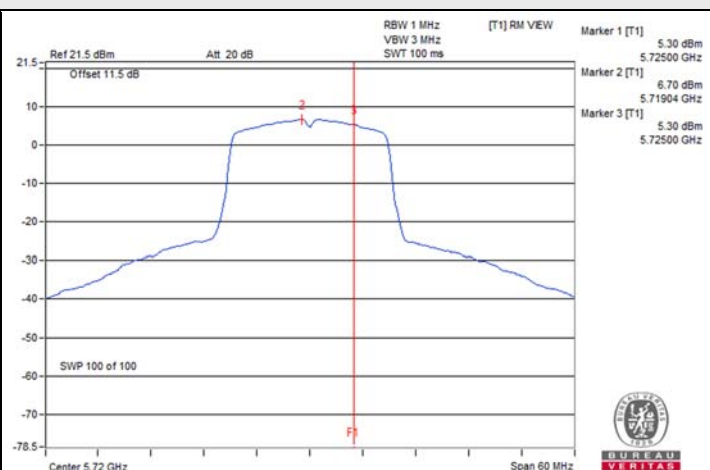
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-2.88	-0.66	30	Pass
149	5745	-2.3	-0.08	30	Pass
157	5785	-2.26	-0.04	30	Pass
165	5825	-2.59	-0.37	30	Pass

Note: For U-NII-3, the antenna gain is 0.3 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

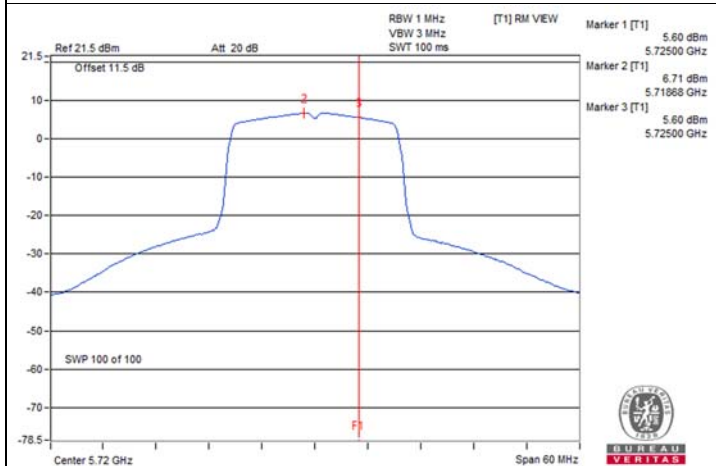
Spectrum Plot of Maximum Value



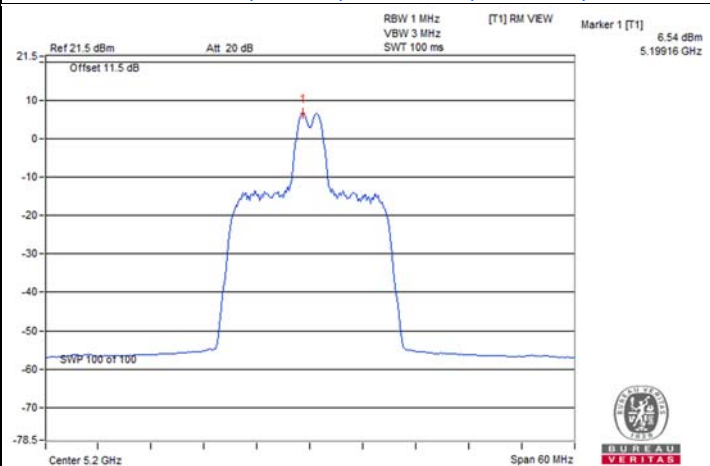
802.11a : CH 52



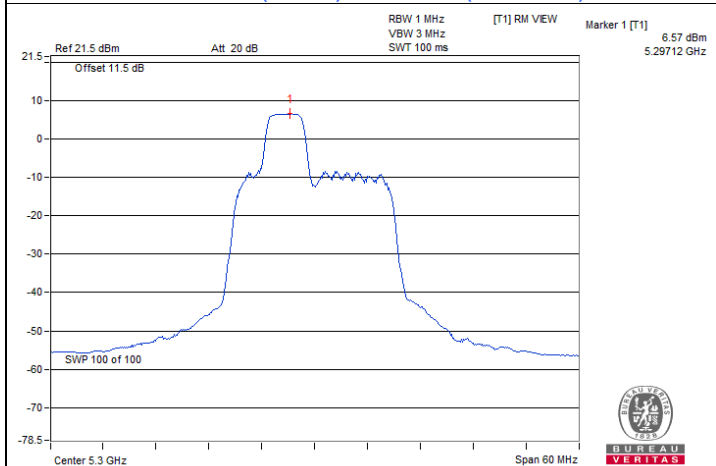
802.11ac (VHT20) : CH 144 (U-NII-2C)



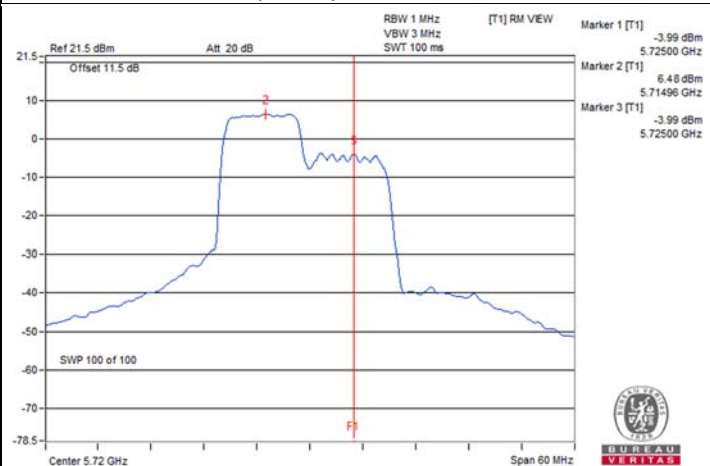
802.11ax (HE20) : CH 144 (U-NII-2C)



802.11ax (HE20) 26-tone RU : CH 40

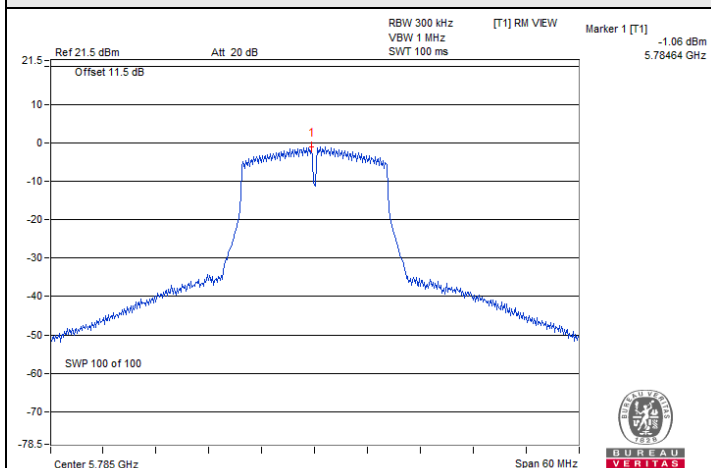


802.11ax (HE20) 52-tone RU : CH 60

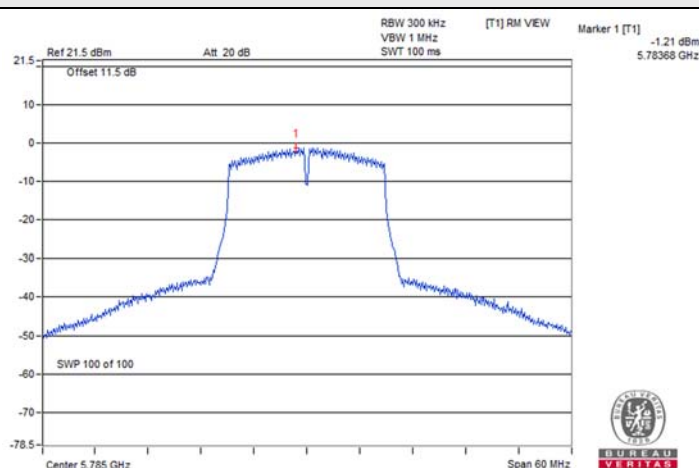


802.11ax (HE20) 106-tone RU : CH 144 (U-NII-2C)

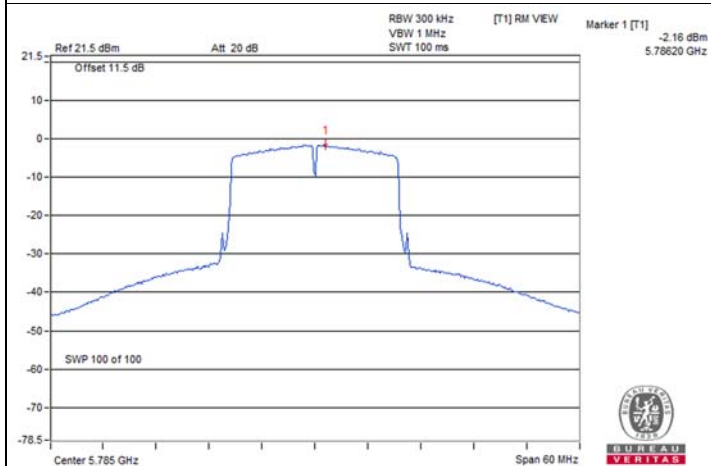
Spectrum Plot of Maximum Value



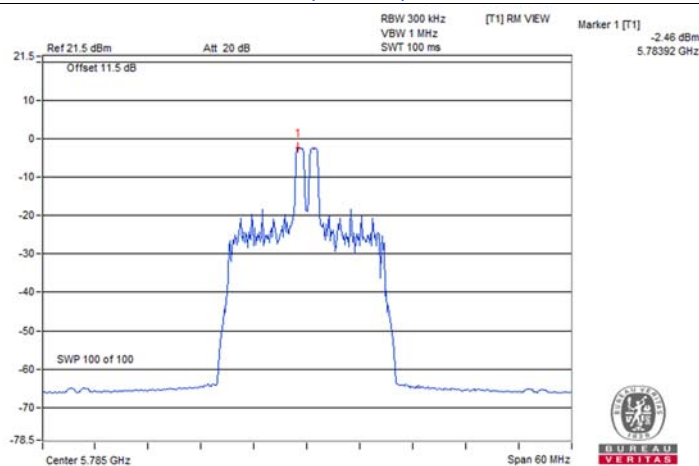
802.11a : CH 157



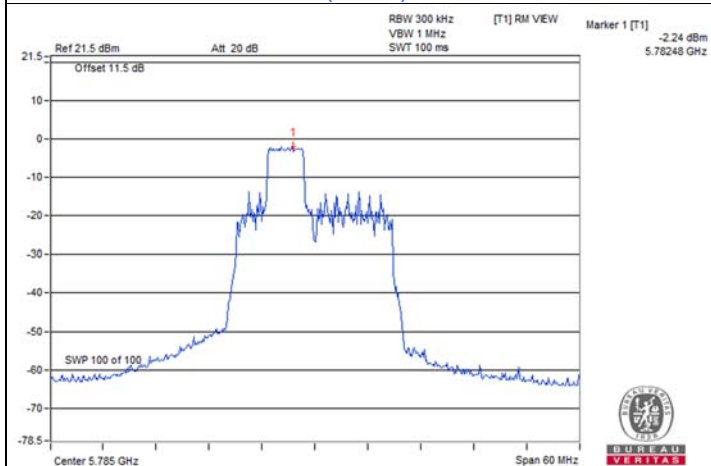
802.11ac (VHT20) : CH 157



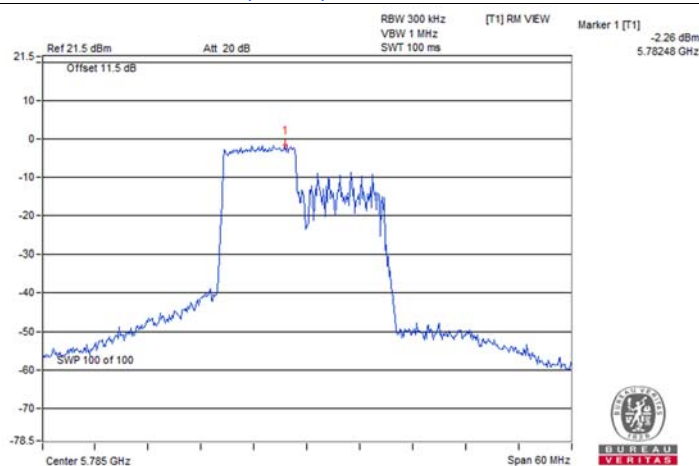
802.11ax (HE20) : CH 157



802.11ax (HE20) 26-tone RU : CH 157



802.11ax (HE20) 52-tone RU : CH 157



802.11ax (HE20) 106-tone RU : CH 157

7.4 6 dB Bandwidth

Environmental Conditions:	25°C, 60% RH	Tested By:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.65	0.5	Pass
149	5745	15.34	0.5	Pass
157	5785	15.3	0.5	Pass
165	5825	15.29	0.5	Pass

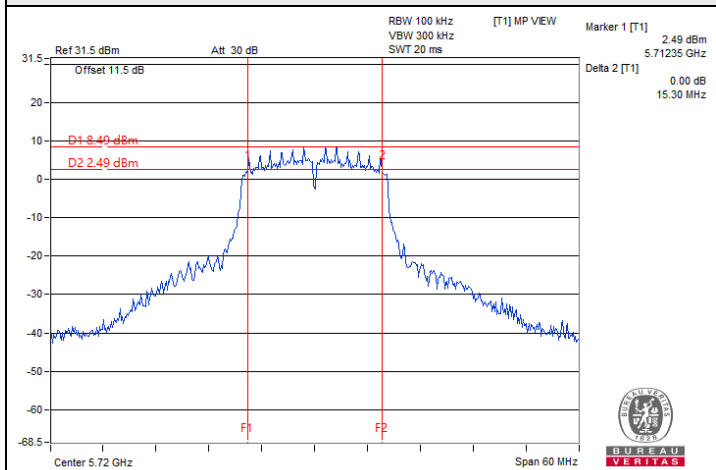
802.11ac (VHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.64	0.5	Pass
149	5745	15.31	0.5	Pass
157	5785	15.31	0.5	Pass
165	5825	15.32	0.5	Pass

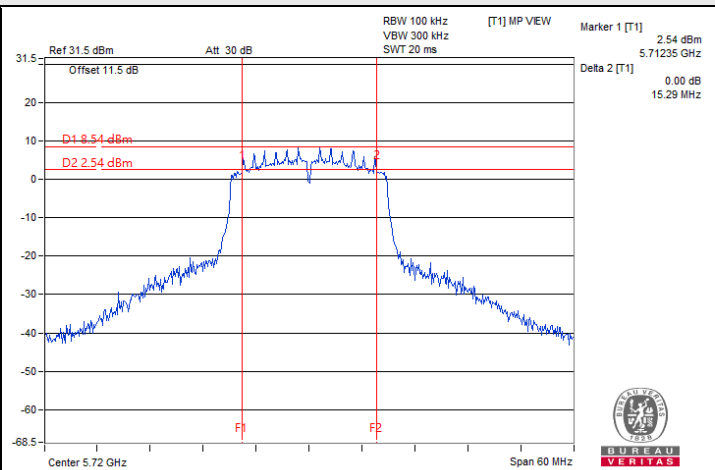
802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	4.26	0.5	Pass
149	5745	18.7	0.5	Pass
157	5785	18.68	0.5	Pass
165	5825	18.67	0.5	Pass

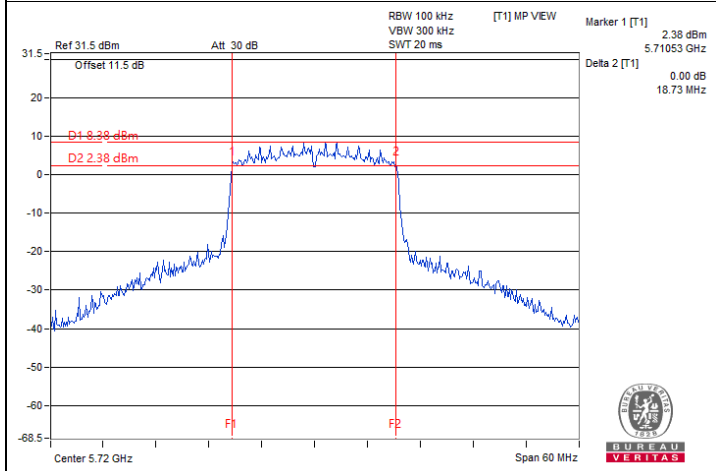
Spectrum Plot of Minimum Value



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



802.11ac (VHT20) : CH 144 (U-NII-3)



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

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:	Jisyong Wang
---------------------------	--------------	------------	--------------

Mode A

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.04
40	5200	16.92
48	5240	17.16
52	5260	17.16
60	5300	17.04
64	5320	17.04
100	5500	16.8
116	5580	17.04
140	5700	16.8
144 (U-NII-2C)	5720	13.64
144 (U-NII-3)	5720	3.4
149	5745	16.92
157	5785	17.04
165	5825	17.04

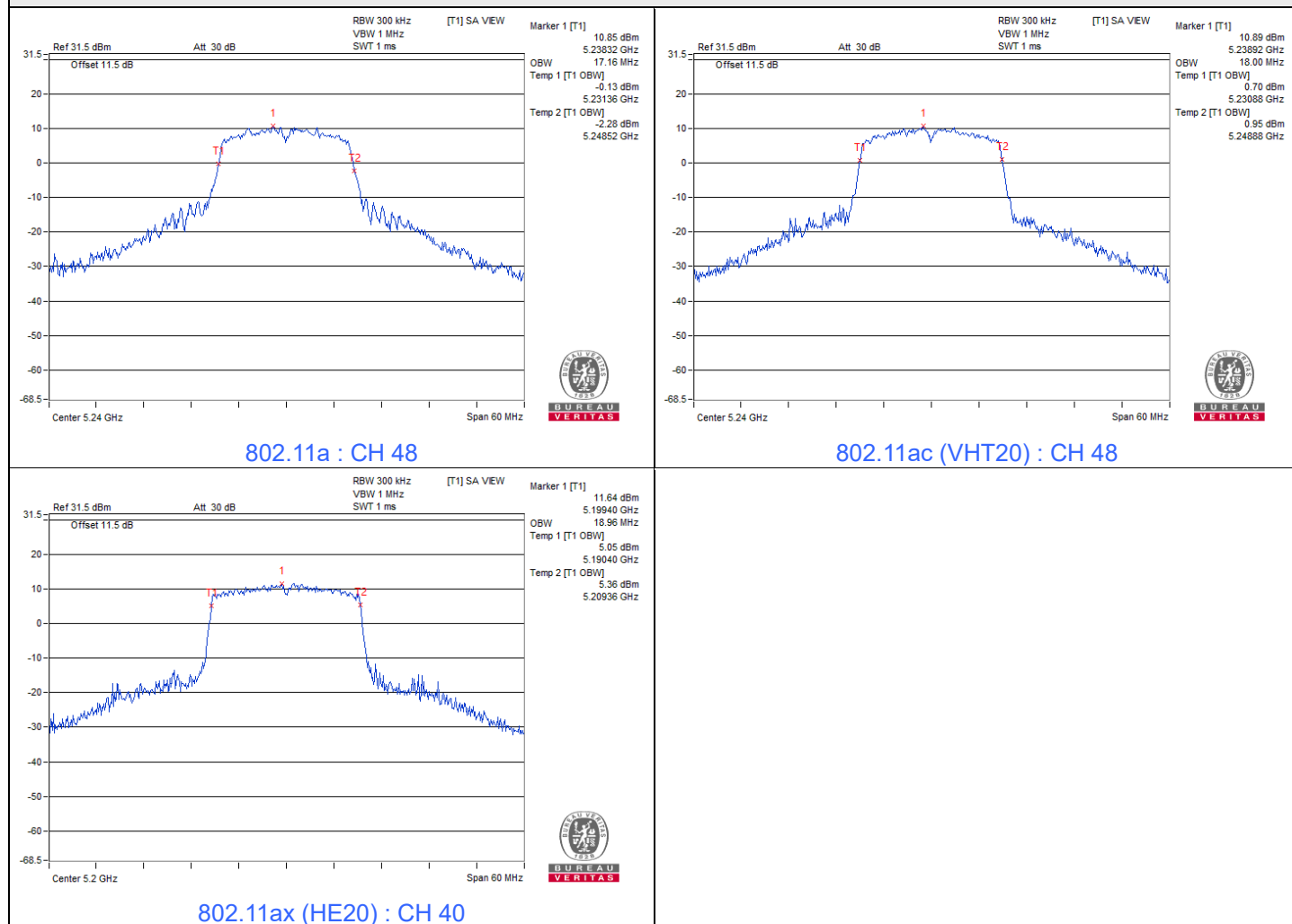
802.11ac (VHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.76
40	5200	17.76
48	5240	18
52	5260	17.88
60	5300	17.76
64	5320	17.76
100	5500	17.64
116	5580	17.88
140	5700	17.64
144 (U-NII-2C)	5720	14
144 (U-NII-3)	5720	3.76
149	5745	17.76
157	5785	17.88
165	5825	17.88

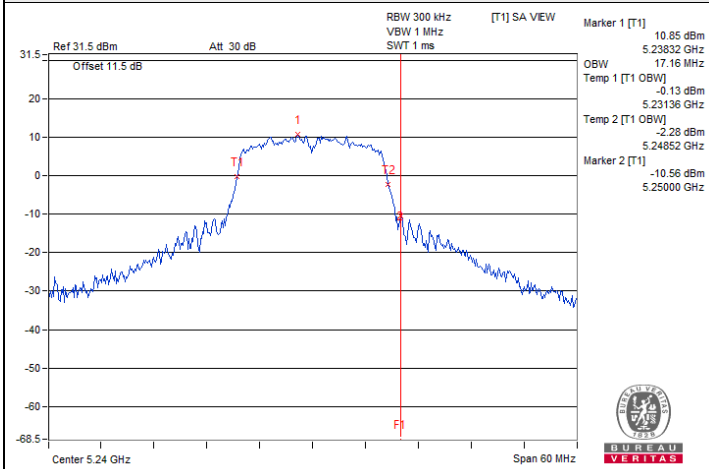
802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.84
40	5200	18.96
48	5240	18.96
52	5260	18.96
60	5300	18.96
64	5320	18.96
100	5500	16.68
116	5580	18.96
140	5700	18.96
144 (U-NII-2C)	5720	14.6
144 (U-NII-3)	5720	4.36
149	5745	18.96
157	5785	18.96
165	5825	18.96

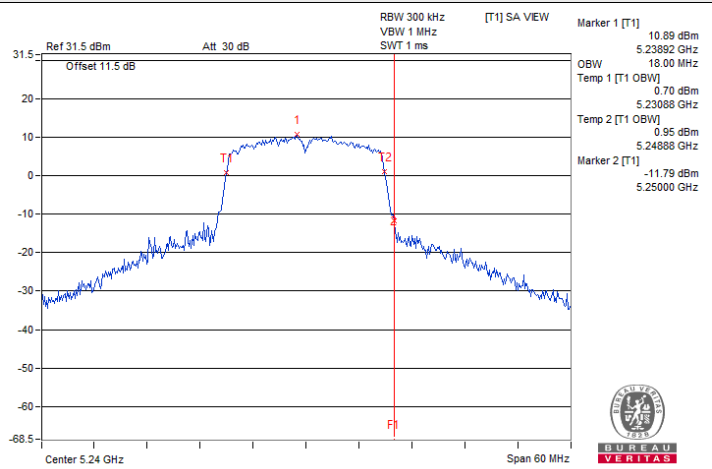
Spectrum Plot of Maximum Value



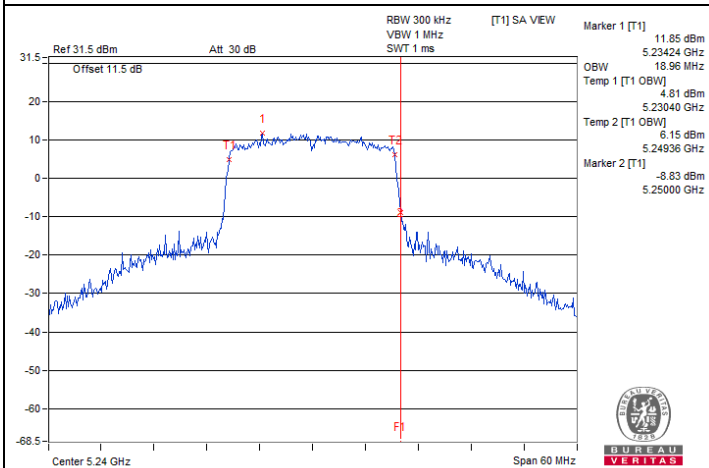
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



802.11a : CH 48

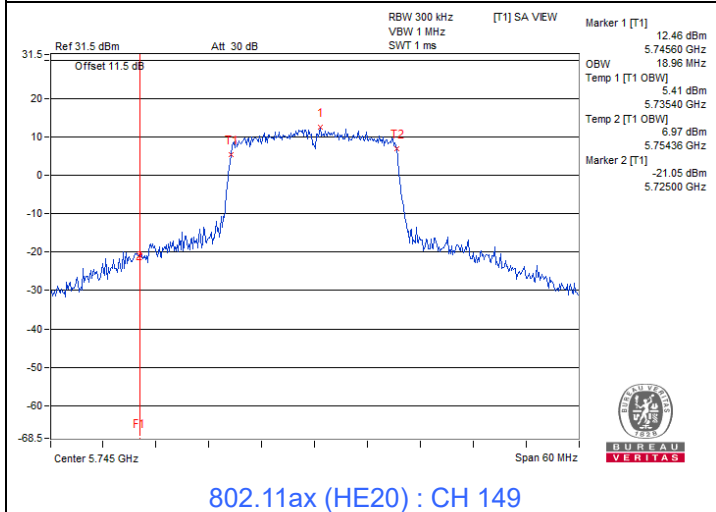
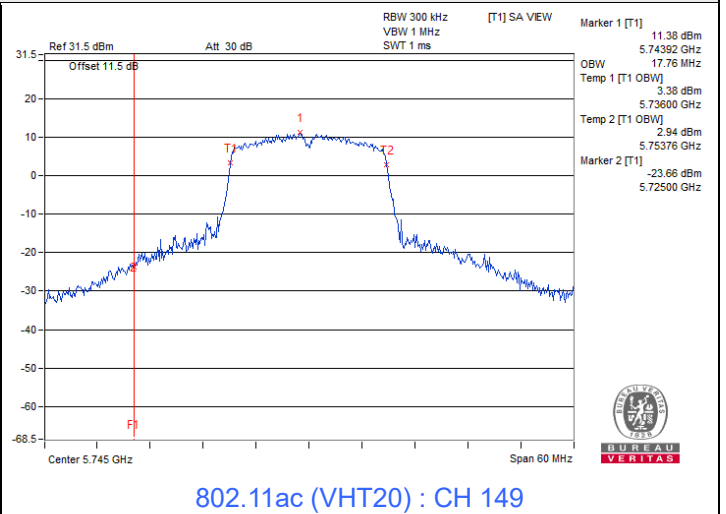
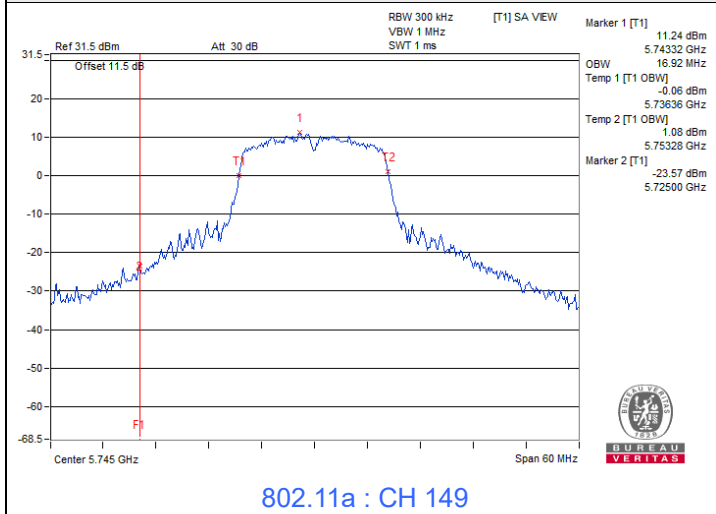


802.11ac (VHT20) : CH 48



802.11ax (HE20) : CH 48

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



7.6 AC Power Conducted Emissions

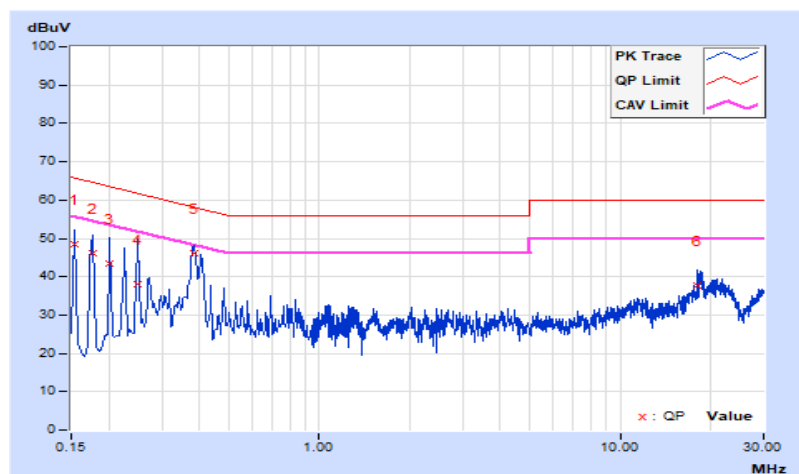
Mode A

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 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	25 °C, 75% RH
Tested By	Greg Lin		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	9.68	38.91	15.59	48.59	25.27	65.78	55.78	-17.19	-30.51
2	0.17755	9.70	36.33	12.76	46.03	22.46	64.60	54.60	-18.57	-32.14
3	0.20200	9.71	33.75	10.77	43.46	20.48	63.53	53.53	-20.07	-33.05
4	0.25000	9.71	28.46	8.16	38.17	17.87	61.76	51.76	-23.59	-33.89
5	0.38200	9.72	36.52	25.08	46.24	34.80	58.24	48.24	-12.00	-13.44
6	18.11800	10.06	27.56	8.90	37.62	18.96	60.00	50.00	-22.38	-31.04

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

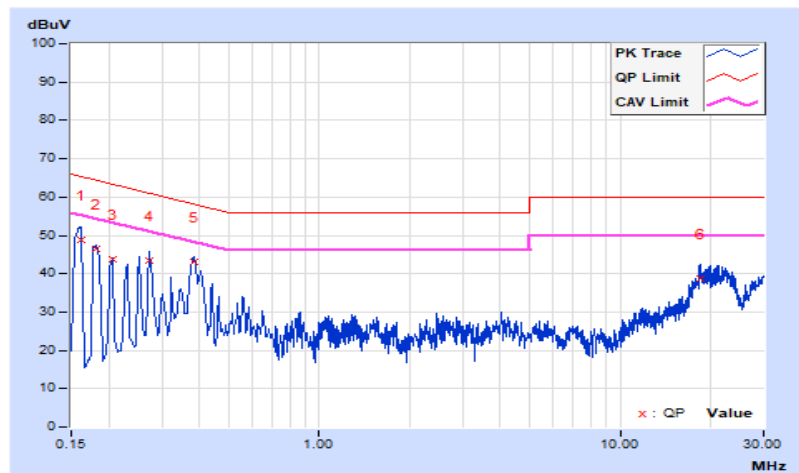


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Greg Lin		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16105	9.66	39.02	15.48	48.68	25.14	65.41	55.41	-16.73	-30.27
2	0.18133	9.66	36.72	13.58	46.38	23.24	64.42	54.42	-18.04	-31.18
3	0.20577	9.66	34.21	11.87	43.87	21.53	63.37	53.37	-19.50	-31.84
4	0.27350	9.69	33.75	10.52	43.44	20.21	61.01	51.01	-17.57	-30.80
5	0.38200	9.72	33.28	22.00	43.00	31.72	58.24	48.24	-15.24	-16.52
6	18.57400	10.25	28.61	10.77	38.86	21.02	60.00	50.00	-21.14	-28.98

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

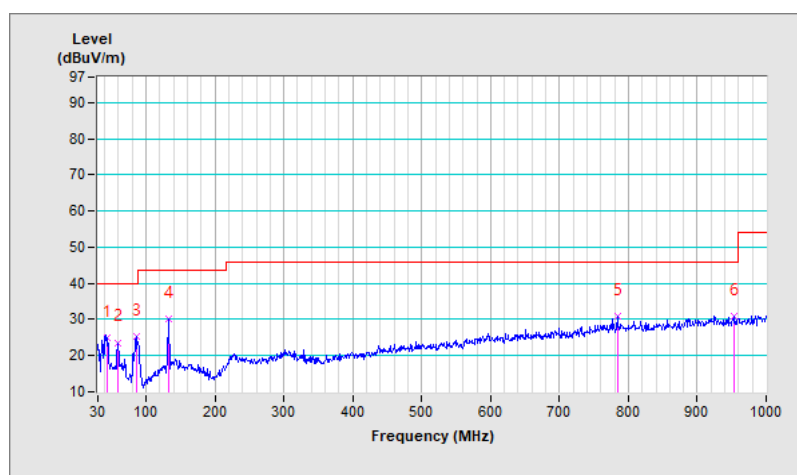
Mode A

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	24.9 QP	40.0	-15.1	1.00 H	244	38.0	-13.1
2	59.10	23.7 QP	40.0	-16.3	1.25 H	10	37.2	-13.5
3	85.29	25.3 QP	40.0	-14.7	1.50 H	243	44.1	-18.8
4	132.82	30.2 QP	43.5	-13.3	1.00 H	235	44.0	-13.8
5	783.69	31.0 QP	46.0	-15.0	1.00 H	60	33.1	-2.1
6	952.47	30.9 QP	46.0	-15.1	1.25 H	243	30.9	0.0

Remarks:

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

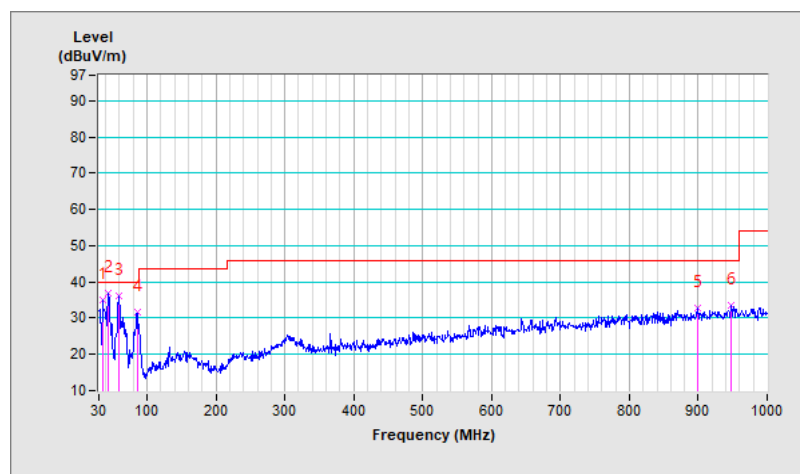


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.85	35.1 QP	40.0	-4.9	1.50 V	46	49.0	-13.9
2	43.58	36.9 QP	40.0	-3.1	1.25 V	287	50.0	-13.1
3	59.10	36.0 QP	40.0	-4.0	1.50 V	26	49.5	-13.5
4	85.29	31.5 QP	40.0	-8.5	1.50 V	104	50.3	-18.8
5	899.12	32.6 QP	46.0	-13.4	1.25 V	316	33.2	-0.6
6	947.62	33.7 QP	46.0	-12.3	1.25 V	258	33.7	0.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The 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

Mode A

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.2 PK	74.0	-4.8	1.95 H	333	65.2	4.0
2	5150.00	48.3 AV	54.0	-5.7	1.95 H	333	44.3	4.0
3	*5180.00	110.6 PK			1.95 H	333	68.8	41.8
4	*5180.00	100.4 AV			1.95 H	333	58.6	41.8
5	#10360.00	57.8 PK	68.2	-10.4	1.38 H	256	47.4	10.4
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	67.3 PK	74.0	-6.7	1.79 V	85	63.3	4.0
2	5150.00	47.2 AV	54.0	-6.8	1.79 V	85	43.2	4.0
3	*5180.00	109.7 PK			1.79 V	85	67.9	41.8
4	*5180.00	99.4 AV			1.79 V	85	57.6	41.8
5	#10360.00	57.1 PK	68.2	-11.1	2.34 V	112	46.7	10.4

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.8 PK			2.03 H	334	68.9	41.9
2	*5200.00	100.7 AV			2.03 H	334	58.8	41.9
3	#10400.00	57.9 PK	68.2	-10.3	1.35 H	254	47.6	10.3
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	109.7 PK			1.76 V	82	67.8	41.9
2	*5200.00	99.6 AV			1.76 V	82	57.7	41.9
3	#10400.00	57.2 PK	68.2	-11.0	2.34 V	114	46.9	10.3

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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	110.2 PK			1.97 H	338	68.3	41.9
2	*5240.00	100.0 AV			1.97 H	338	58.1	41.9
3	5350.00	55.7 PK	74.0	-18.3	1.97 H	338	51.8	3.9
4	5350.00	42.3 AV	54.0	-11.7	1.97 H	338	38.4	3.9
5	#10480.00	58.2 PK	68.2	-10.0	1.27 H	246	47.5	10.7
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	*5240.00	109.1 PK			1.77 V	80	67.2	41.9
2	*5240.00	98.9 AV			1.77 V	80	57.0	41.9
3	5350.00	55.3 PK	74.0	-18.7	1.77 V	80	51.4	3.9
4	5350.00	42.1 AV	54.0	-11.9	1.77 V	80	38.2	3.9
5	#10480.00	57.5 PK	68.2	-10.7	2.36 V	117	46.8	10.7

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	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.8 PK	74.0	-5.2	1.94 H	331	64.8	4.0
2	5150.00	50.2 AV	54.0	-3.8	1.94 H	331	46.2	4.0
3	*5180.00	110.1 PK			1.94 H	331	68.3	41.8
4	*5180.00	99.9 AV			1.94 H	331	58.1	41.8
5	#10360.00	58.0 PK	68.2	-10.2	1.32 H	255	47.6	10.4
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	67.4 PK	74.0	-6.6	1.77 V	78	63.4	4.0
2	5150.00	48.6 AV	54.0	-5.4	1.77 V	78	44.6	4.0
3	*5180.00	109.0 PK			1.77 V	78	67.2	41.8
4	*5180.00	98.7 AV			1.77 V	78	56.9	41.8
5	#10360.00	57.1 PK	68.2	-11.1	2.36 V	119	46.7	10.4

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	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.4 PK			1.97 H	329	68.5	41.9
2	*5200.00	100.2 AV			1.97 H	329	58.3	41.9
3	#10400.00	58.0 PK	68.2	-10.2	1.32 H	258	47.7	10.3
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	109.3 PK			1.83 V	81	67.4	41.9
2	*5200.00	99.1 AV			1.83 V	81	57.2	41.9
3	#10400.00	56.9 PK	68.2	-11.3	2.38 V	114	46.6	10.3

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	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	110.1 PK			1.99 H	332	68.2	41.9
2	*5240.00	100.0 AV			1.99 H	332	58.1	41.9
3	5350.00	55.8 PK	74.0	-18.2	1.99 H	332	51.9	3.9
4	5350.00	42.5 AV	54.0	-11.5	1.99 H	332	38.6	3.9
5	#10480.00	58.2 PK	68.2	-10.0	1.32 H	247	47.5	10.7
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	*5240.00	109.2 PK			1.77 V	82	67.3	41.9
2	*5240.00	99.0 AV			1.77 V	82	57.1	41.9
3	5350.00	55.3 PK	74.0	-18.7	1.77 V	82	51.4	3.9
4	5350.00	42.0 AV	54.0	-12.0	1.77 V	82	38.1	3.9
5	#10480.00	57.2 PK	68.2	-11.0	2.36 V	114	46.5	10.7

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 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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.1 PK	74.0	-3.9	1.95 H	332	66.1	4.0
2	5150.00	51.0 AV	54.0	-3.0	1.95 H	332	47.0	4.0
3	*5180.00	113.3 PK			1.95 H	332	71.5	41.8
4	*5180.00	100.2 AV			1.95 H	332	58.4	41.8
5	#10360.00	58.2 PK	68.2	-10.0	1.27 H	254	47.8	10.4
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	68.9 PK	74.0	-5.1	1.75 V	82	64.9	4.0
2	5150.00	50.1 AV	54.0	-3.9	1.75 V	82	46.1	4.0
3	*5180.00	112.2 PK			1.75 V	82	70.4	41.8
4	*5180.00	99.1 AV			1.75 V	82	57.3	41.8
5	#10360.00	57.3 PK	68.2	-10.9	2.28 V	109	46.9	10.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	113.7 PK			1.98 H	337	71.8	41.9
2	*5200.00	100.5 AV			1.98 H	337	58.6	41.9
3	#10400.00	58.2 PK	68.2	-10.0	1.33 H	262	47.9	10.3
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	112.6 PK			1.77 V	83	70.7	41.9
2	*5200.00	99.5 AV			1.77 V	83	57.6	41.9
3	#10400.00	57.1 PK	68.2	-11.1	2.38 V	115	46.8	10.3

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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	113.4 PK			2.03 H	338	71.5	41.9
2	*5240.00	100.3 AV			2.03 H	338	58.4	41.9
3	5350.00	56.2 PK	74.0	-17.8	2.03 H	338	52.3	3.9
4	5350.00	42.7 AV	54.0	-11.3	2.03 H	338	38.8	3.9
5	#10480.00	58.4 PK	68.2	-9.8	1.36 H	257	47.7	10.7
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	*5240.00	112.5 PK			1.73 V	87	70.6	41.9
2	*5240.00	99.3 AV			1.73 V	87	57.4	41.9
3	5350.00	55.7 PK	74.0	-18.3	1.73 V	87	51.8	3.9
4	5350.00	42.3 AV	54.0	-11.7	1.73 V	87	38.4	3.9
5	#10480.00	57.3 PK	68.2	-10.9	2.32 V	112	46.6	10.7

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.1 PK	74.0	-17.9	1.89 H	332	52.1	4.0
2	5150.00	42.6 AV	54.0	-11.4	1.89 H	332	38.6	4.0
3	*5260.00	111.9 PK			1.89 H	332	70.0	41.9
4	*5260.00	102.0 AV			1.89 H	332	60.1	41.9
5	#10520.00	58.5 PK	68.2	-9.7	1.32 H	254	47.7	10.8
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	5150.00	55.7 PK	74.0	-18.3	1.79 V	81	51.7	4.0
2	5150.00	42.4 AV	54.0	-11.6	1.79 V	81	38.4	4.0
3	*5260.00	110.7 PK			1.79 V	81	68.8	41.9
4	*5260.00	100.7 AV			1.79 V	81	58.8	41.9
5	#10520.00	57.3 PK	68.2	-10.9	2.37 V	112	46.5	10.8

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 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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	111.9 PK			1.93 H	336	70.1	41.8
2	*5300.00	102.1 AV			1.93 H	336	60.3	41.8
3	10600.00	58.6 PK	74.0	-15.4	1.27 H	253	47.6	11.0
4	10600.00	45.4 AV	54.0	-8.6	1.27 H	253	34.4	11.0
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	*5300.00	110.9 PK			1.82 V	87	69.1	41.8
2	*5300.00	101.0 AV			1.82 V	87	59.2	41.8
3	10600.00	57.5 PK	74.0	-16.5	2.37 V	104	46.5	11.0
4	10600.00	44.4 AV	54.0	-9.6	2.37 V	104	33.4	11.0

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.

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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.1 PK			1.76 H	330	69.4	41.7
2	*5320.00	101.4 AV			1.76 H	330	59.7	41.7
3	5350.00	69.6 PK	74.0	-4.4	1.76 H	330	65.7	3.9
4	5350.00	50.1 AV	54.0	-3.9	1.76 H	330	46.2	3.9
5	10640.00	58.2 PK	74.0	-15.8	1.31 H	255	47.4	10.8
6	10640.00	45.1 AV	54.0	-8.9	1.31 H	255	34.3	10.8
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	*5320.00	110.1 PK			1.82 V	88	68.4	41.7
2	*5320.00	100.4 AV			1.82 V	88	58.7	41.7
3	5350.00	68.2 PK	74.0	-5.8	1.82 V	88	64.3	3.9
4	5350.00	48.5 AV	54.0	-5.5	1.82 V	88	44.6	3.9
5	10640.00	57.2 PK	74.0	-16.8	2.33 V	104	46.4	10.8
6	10640.00	44.2 AV	54.0	-9.8	2.33 V	104	33.4	10.8

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	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.9 PK	74.0	-18.1	1.96 H	331	51.9	4.0
2	5150.00	42.4 AV	54.0	-11.6	1.96 H	331	38.4	4.0
3	*5260.00	110.6 PK			1.96 H	331	68.7	41.9
4	*5260.00	100.4 AV			1.96 H	331	58.5	41.9
5	#10520.00	58.1 PK	68.2	-10.1	1.39 H	263	47.3	10.8
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	5150.00	55.4 PK	74.0	-18.6	1.86 V	86	51.4	4.0
2	5150.00	42.1 AV	54.0	-11.9	1.86 V	86	38.1	4.0
3	*5260.00	109.6 PK			1.86 V	86	67.7	41.9
4	*5260.00	99.4 AV			1.86 V	86	57.5	41.9
5	#10520.00	57.5 PK	68.2	-10.7	2.41 V	118	46.7	10.8

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	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.7 PK			1.86 H	332	68.9	41.8
2	*5300.00	100.6 AV			1.86 H	332	58.8	41.8
3	10600.00	58.9 PK	74.0	-15.1	1.36 H	242	47.9	11.0
4	10600.00	45.7 AV	54.0	-8.3	1.36 H	242	34.7	11.0
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	*5300.00	109.7 PK			1.72 V	81	67.9	41.8
2	*5300.00	99.6 AV			1.72 V	81	57.8	41.8
3	10600.00	57.7 PK	74.0	-16.3	2.34 V	106	46.7	11.0
4	10600.00	44.6 AV	54.0	-9.4	2.34 V	106	33.6	11.0

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.

RF Mode	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.9 PK			1.91 H	331	68.2	41.7
2	*5320.00	99.9 AV			1.91 H	331	58.2	41.7
3	5350.00	69.3 PK	74.0	-4.7	1.91 H	331	65.4	3.9
4	5350.00	50.1 AV	54.0	-3.9	1.91 H	331	46.2	3.9
5	10640.00	58.2 PK	74.0	-15.8	1.28 H	243	47.4	10.8
6	10640.00	45.1 AV	54.0	-8.9	1.28 H	243	34.3	10.8
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	*5320.00	109.1 PK			1.78 V	85	67.4	41.7
2	*5320.00	98.7 AV			1.78 V	85	57.0	41.7
3	5350.00	65.7 PK	74.0	-8.3	1.78 V	85	61.8	3.9
4	5350.00	48.2 AV	54.0	-5.8	1.78 V	85	44.3	3.9
5	10640.00	57.3 PK	74.0	-16.7	2.35 V	118	46.5	10.8
6	10640.00	44.1 AV	54.0	-9.9	2.35 V	118	33.3	10.8

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 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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.91 H	331	52.3	4.0
2	5150.00	42.5 AV	54.0	-11.5	1.91 H	331	38.5	4.0
3	*5260.00	113.9 PK			1.91 H	331	72.0	41.9
4	*5260.00	100.8 AV			1.91 H	331	58.9	41.9
5	#10520.00	58.2 PK	68.2	-10.0	1.34 H	256	47.4	10.8
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	5150.00	55.8 PK	74.0	-18.2	1.81 V	92	51.8	4.0
2	5150.00	42.2 AV	54.0	-11.8	1.81 V	92	38.2	4.0
3	*5260.00	112.8 PK			1.81 V	92	70.9	41.9
4	*5260.00	99.7 AV			1.81 V	92	57.8	41.9
5	#10520.00	57.6 PK	68.2	-10.6	2.38 V	113	46.8	10.8

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 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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	114.2 PK			1.81 H	334	72.4	41.8
2	*5300.00	101.0 AV			1.81 H	334	59.2	41.8
3	10600.00	59.3 PK	74.0	-14.7	1.38 H	264	48.3	11.0
4	10600.00	46.1 AV	54.0	-7.9	1.38 H	264	35.1	11.0
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	*5300.00	113.0 PK			1.75 V	89	71.2	41.8
2	*5300.00	99.9 AV			1.75 V	89	58.1	41.8
3	10600.00	57.9 PK	74.0	-16.1	2.39 V	110	46.9	11.0
4	10600.00	44.7 AV	54.0	-9.3	2.39 V	110	33.7	11.0

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.

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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.5 PK			1.78 H	331	71.8	41.7
2	*5320.00	100.2 AV			1.78 H	331	58.5	41.7
3	5350.00	70.7 PK	74.0	-3.3	1.78 H	331	66.8	3.9
4	5350.00	50.4 AV	54.0	-3.6	1.78 H	331	46.5	3.9
5	10640.00	58.4 PK	74.0	-15.6	1.31 H	245	47.6	10.8
6	10640.00	45.3 AV	54.0	-8.7	1.31 H	245	34.5	10.8
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	*5320.00	112.0 PK			1.76 V	87	70.3	41.7
2	*5320.00	99.1 AV			1.76 V	87	57.4	41.7
3	5350.00	69.6 PK	74.0	-4.4	1.76 V	87	65.7	3.9
4	5350.00	49.0 AV	54.0	-5.0	1.76 V	87	45.1	3.9
5	10640.00	57.4 PK	74.0	-16.6	2.31 V	110	46.6	10.8
6	10640.00	44.2 AV	54.0	-9.8	2.31 V	110	33.4	10.8

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 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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.0 PK	74.0	-14.0	1.80 H	330	55.7	4.3
2	5460.00	43.6 AV	54.0	-10.4	1.80 H	330	39.3	4.3
3	#5470.00	64.4 PK	68.2	-3.8	1.80 H	330	60.1	4.3
4	*5500.00	109.7 PK			1.80 H	330	67.6	42.1
5	*5500.00	99.4 AV			1.80 H	330	57.3	42.1
6	11000.00	61.7 PK	74.0	-12.3	1.77 H	111	50.8	10.9
7	11000.00	47.7 AV	54.0	-6.3	1.77 H	111	36.8	10.9
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	59.4 PK	74.0	-14.6	1.73 V	86	55.1	4.3
2	5460.00	43.1 AV	54.0	-10.9	1.73 V	86	38.8	4.3
3	#5470.00	61.6 PK	68.2	-6.6	1.73 V	86	57.3	4.3
4	*5500.00	108.6 PK			1.73 V	86	66.5	42.1
5	*5500.00	98.4 AV			1.73 V	86	56.3	42.1
6	11000.00	60.8 PK	74.0	-13.2	1.71 V	92	49.9	10.9
7	11000.00	47.1 AV	54.0	-6.9	1.71 V	92	36.2	10.9

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	111.0 PK			1.75 H	331	68.9	42.1
2	*5580.00	100.9 AV			1.75 H	331	58.8	42.1
3	11160.00	62.7 PK	74.0	-11.3	1.79 H	116	51.3	11.4
4	11160.00	48.5 AV	54.0	-5.5	1.79 H	116	37.1	11.4
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	*5580.00	110.2 PK			1.74 V	81	68.1	42.1
2	*5580.00	100.0 AV			1.74 V	81	57.9	42.1
3	11160.00	61.7 PK	74.0	-12.3	1.68 V	97	50.3	11.4
4	11160.00	47.8 AV	54.0	-6.2	1.68 V	97	36.4	11.4

Remarks:

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

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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.3 PK			1.46 H	330	65.2	43.1
2	*5700.00	98.3 AV			1.46 H	330	55.2	43.1
3	#5725.00	65.0 PK	68.2	-3.2	1.46 H	330	59.6	5.4
4	11400.00	62.8 PK	74.0	-11.2	1.73 H	114	50.3	12.5
5	11400.00	49.0 AV	54.0	-5.0	1.73 H	114	36.5	12.5
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	*5700.00	107.5 PK			1.76 V	92	64.4	43.1
2	*5700.00	97.4 AV			1.76 V	92	54.3	43.1
3	#5725.00	64.2 PK	68.2	-4.0	1.76 V	92	58.8	5.4
4	11400.00	61.9 PK	74.0	-12.1	1.63 V	97	49.4	12.5
5	11400.00	48.3 AV	54.0	-5.7	1.63 V	97	35.8	12.5

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.1 PK	68.2	-12.1	1.55 H	330	51.8	4.3
2	*5720.00	110.8 PK			1.55 H	330	67.8	43.0
3	*5720.00	100.8 AV			1.55 H	330	57.8	43.0
4	#5850.00	57.3 PK	68.2	-10.9	1.55 H	330	51.6	5.7
5	11440.00	62.6 PK	74.0	-11.4	1.73 H	108	50.4	12.2
6	11440.00	48.8 AV	54.0	-5.2	1.73 H	108	36.6	12.2
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	#5470.00	55.6 PK	68.2	-12.6	1.76 V	85	51.3	4.3
2	*5720.00	109.8 PK			1.76 V	85	66.8	43.0
3	*5720.00	99.7 AV			1.76 V	85	56.7	43.0
4	#5850.00	56.8 PK	68.2	-11.4	1.76 V	85	51.1	5.7
5	11440.00	61.7 PK	74.0	-12.3	1.62 V	98	49.5	12.2
6	11440.00	48.2 AV	54.0	-5.8	1.62 V	98	36.0	12.2

Remarks:

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

RF Mode	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	1.81 H	335	55.8	4.3
2	5460.00	43.7 AV	54.0	-10.3	1.81 H	335	39.4	4.3
3	#5470.00	64.9 PK	68.2	-3.3	1.81 H	335	60.6	4.3
4	*5500.00	108.5 PK			1.81 H	335	66.4	42.1
5	*5500.00	98.2 AV			1.81 H	335	56.1	42.1
6	11000.00	61.2 PK	74.0	-12.8	1.79 H	113	50.3	10.9
7	11000.00	47.5 AV	54.0	-6.5	1.79 H	113	36.6	10.9
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	59.7 PK	74.0	-14.3	1.76 V	83	55.4	4.3
2	5460.00	43.4 AV	54.0	-10.6	1.76 V	83	39.1	4.3
3	#5470.00	63.6 PK	68.2	-4.6	1.76 V	83	59.3	4.3
4	*5500.00	107.7 PK			1.76 V	83	65.6	42.1
5	*5500.00	97.4 AV			1.76 V	83	55.3	42.1
6	11000.00	60.3 PK	74.0	-13.7	1.67 V	101	49.4	10.9
7	11000.00	46.7 AV	54.0	-7.3	1.67 V	101	35.8	10.9

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	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	110.4 PK			1.94 H	332	68.3	42.1
2	*5580.00	100.1 AV			1.94 H	332	58.0	42.1
3	11160.00	61.8 PK	74.0	-12.2	1.75 H	107	50.4	11.4
4	11160.00	47.9 AV	54.0	-6.1	1.75 H	107	36.5	11.4
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	*5580.00	109.3 PK			1.87 V	83	67.2	42.1
2	*5580.00	99.0 AV			1.87 V	83	56.9	42.1
3	11160.00	60.9 PK	74.0	-13.1	1.63 V	97	49.5	11.4
4	11160.00	47.4 AV	54.0	-6.6	1.63 V	97	36.0	11.4

Remarks:

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

RF Mode	802.11ac (VHT20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	107.2 PK			1.83 H	334	64.1	43.1
2	*5700.00	96.9 AV			1.83 H	334	53.8	43.1
3	#5725.00	64.7 PK	68.2	-3.5	1.83 H	334	59.3	5.4
4	11400.00	62.5 PK	74.0	-11.5	1.74 H	111	50.0	12.5
5	11400.00	48.9 AV	54.0	-5.1	1.74 H	111	36.4	12.5
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	*5700.00	106.3 PK			1.74 V	81	63.2	43.1
2	*5700.00	95.9 AV			1.74 V	81	52.8	43.1
3	#5725.00	62.5 PK	68.2	-5.7	1.74 V	81	57.1	5.4
4	11400.00	61.4 PK	74.0	-12.6	1.69 V	89	48.9	12.5
5	11400.00	48.1 AV	54.0	-5.9	1.69 V	89	35.6	12.5

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	802.11ac (VHT20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	55.8 PK	68.2	-12.4	1.72 H	338	51.5	4.3
2	*5720.00	110.8 PK			1.72 H	338	67.8	43.0
3	*5720.00	100.6 AV			1.72 H	338	57.6	43.0
4	#5850.00	57.1 PK	68.2	-11.1	1.72 H	338	51.4	5.7
5	11440.00	62.7 PK	74.0	-11.3	1.82 H	109	50.5	12.2
6	11440.00	48.7 AV	54.0	-5.3	1.82 H	109	36.5	12.2
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	#5470.00	55.1 PK	68.2	-13.1	1.72 V	89	50.8	4.3
2	*5720.00	109.7 PK			1.72 V	89	66.7	43.0
3	*5720.00	99.5 AV			1.72 V	89	56.5	43.0
4	#5850.00	56.1 PK	68.2	-12.1	1.72 V	89	50.4	5.7
5	11440.00	61.7 PK	74.0	-12.3	1.68 V	96	49.5	12.2
6	11440.00	48.0 AV	54.0	-6.0	1.68 V	96	35.8	12.2

Remarks:

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

RF Mode	802.11ax (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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	1.82 H	331	56.2	4.3
2	5460.00	43.8 AV	54.0	-10.2	1.82 H	331	39.5	4.3
3	#5470.00	65.0 PK	68.2	-3.2	1.82 H	331	60.7	4.3
4	*5500.00	112.7 PK			1.82 H	331	70.6	42.1
5	*5500.00	98.6 AV			1.82 H	331	56.5	42.1
6	11000.00	61.3 PK	74.0	-12.7	1.82 H	115	50.4	10.9
7	11000.00	47.5 AV	54.0	-6.5	1.82 H	115	36.6	10.9
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	60.1 PK	74.0	-13.9	1.72 V	79	55.8	4.3
2	5460.00	43.5 AV	54.0	-10.5	1.72 V	79	39.2	4.3
3	#5470.00	63.8 PK	68.2	-4.4	1.72 V	79	59.5	4.3
4	*5500.00	111.7 PK			1.72 V	79	69.6	42.1
5	*5500.00	97.7 AV			1.72 V	79	55.6	42.1
6	11000.00	60.4 PK	74.0	-13.6	1.63 V	96	49.5	10.9
7	11000.00	46.8 AV	54.0	-7.2	1.63 V	96	35.9	10.9

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 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.9 PK			1.93 H	335	71.8	42.1
2	*5580.00	100.4 AV			1.93 H	335	58.3	42.1
3	11160.00	62.0 PK	74.0	-12.0	1.83 H	107	50.6	11.4
4	11160.00	48.0 AV	54.0	-6.0	1.83 H	107	36.6	11.4
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	*5580.00	112.7 PK			1.84 V	87	70.6	42.1
2	*5580.00	99.4 AV			1.84 V	87	57.3	42.1
3	11160.00	61.1 PK	74.0	-12.9	1.67 V	94	49.7	11.4
4	11160.00	47.5 AV	54.0	-6.5	1.67 V	94	36.1	11.4

Remarks:

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

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	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.9 PK			1.85 H	337	67.8	43.1
2	*5700.00	97.2 AV			1.85 H	337	54.1	43.1
3	#5725.00	65.0 PK	68.2	-3.2	1.85 H	337	59.6	5.4
4	11400.00	62.6 PK	74.0	-11.4	1.79 H	118	50.1	12.5
5	11400.00	48.9 AV	54.0	-5.1	1.79 H	118	36.4	12.5
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	*5700.00	109.9 PK			1.73 V	87	66.8	43.1
2	*5700.00	96.2 AV			1.73 V	87	53.1	43.1
3	#5725.00	62.7 PK	68.2	-5.5	1.73 V	87	57.3	5.4
4	11400.00	61.6 PK	74.0	-12.4	1.66 V	91	49.1	12.5
5	11400.00	48.3 AV	54.0	-5.7	1.66 V	91	35.8	12.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.1 PK	68.2	-12.1	1.71 H	337	51.8	4.3
2	*5720.00	114.3 PK			1.71 H	337	71.3	43.0
3	*5720.00	100.9 AV			1.71 H	337	57.9	43.0
4	#5850.00	57.3 PK	68.2	-10.9	1.71 H	337	51.6	5.7
5	11440.00	62.9 PK	74.0	-11.1	1.82 H	114	50.7	12.2
6	11440.00	48.9 AV	54.0	-5.1	1.82 H	114	36.7	12.2
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	#5470.00	55.6 PK	68.2	-12.6	1.70 V	82	51.3	4.3
2	*5720.00	113.2 PK			1.70 V	82	70.2	43.0
3	*5720.00	99.8 AV			1.70 V	82	56.8	43.0
4	#5850.00	56.5 PK	68.2	-11.7	1.70 V	82	50.8	5.7
5	11440.00	61.8 PK	74.0	-12.2	1.67 V	99	49.6	12.2
6	11440.00	48.0 AV	54.0	-6.0	1.67 V	99	35.8	12.2

Remarks:

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

RF Mode	802.11a	Channel	CH 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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.40	60.4 PK	68.2	-7.8	1.49 H	337	55.2	5.2
2	*5745.00	109.8 PK			1.49 H	337	66.9	42.9
3	*5745.00	100.2 AV			1.49 H	337	57.3	42.9
4	#5952.00	60.7 PK	68.2	-7.5	1.49 H	337	55.5	5.2
5	11490.00	61.8 PK	74.0	-12.2	1.68 H	111	50.0	11.8
6	11490.00	48.1 AV	54.0	-5.9	1.68 H	111	36.3	11.8
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	#5617.20	60.8 PK	68.2	-7.4	1.72 V	106	55.9	4.9
2	*5745.00	108.6 PK			1.72 V	106	65.7	42.9
3	*5745.00	98.4 AV			1.72 V	106	55.5	42.9
4	#5962.80	61.5 PK	68.2	-6.7	1.72 V	106	56.2	5.3
5	11490.00	60.9 PK	74.0	-13.1	1.77 V	94	49.1	11.8
6	11490.00	47.5 AV	54.0	-6.5	1.77 V	94	35.7	11.8

Remarks:

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

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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.80	61.7 PK	68.2	-6.5	1.38 H	331	56.5	5.2
2	*5785.00	111.1 PK			1.38 H	331	68.0	43.1
3	*5785.00	100.7 AV			1.38 H	331	57.6	43.1
4	#5959.60	61.9 PK	68.2	-6.3	1.38 H	331	56.6	5.3
5	11570.00	61.8 PK	74.0	-12.2	1.65 H	109	49.9	11.9
6	11570.00	48.2 AV	54.0	-5.8	1.65 H	109	36.3	11.9
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	#5634.80	60.5 PK	68.2	-7.7	1.78 V	76	55.4	5.1
2	*5785.00	109.6 PK			1.78 V	76	66.5	43.1
3	*5785.00	99.8 AV			1.78 V	76	56.7	43.1
4	#5964.00	60.4 PK	68.2	-7.8	1.78 V	76	55.1	5.3
5	11570.00	60.8 PK	74.0	-13.2	1.80 V	90	48.9	11.9
6	11570.00	47.6 AV	54.0	-6.4	1.80 V	90	35.7	11.9

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.4 PK	68.2	-6.8	1.40 H	330	56.2	5.2
2	*5825.00	110.4 PK			1.40 H	330	67.1	43.3
3	*5825.00	100.3 AV			1.40 H	330	57.0	43.3
4	#5966.40	62.3 PK	68.2	-5.9	1.40 H	330	57.0	5.3
5	11650.00	61.9 PK	74.0	-12.1	1.60 H	113	50.3	11.6
6	11650.00	48.2 AV	54.0	-5.8	1.60 H	113	36.6	11.6
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	#5624.40	59.9 PK	68.2	-8.3	1.70 V	91	54.9	5.0
2	*5825.00	109.0 PK			1.70 V	91	65.7	43.3
3	*5825.00	98.9 AV			1.70 V	91	55.6	43.3
4	#5963.60	60.3 PK	68.2	-7.9	1.70 V	91	55.0	5.3
5	11650.00	60.7 PK	74.0	-13.3	1.76 V	95	49.1	11.6
6	11650.00	47.6 AV	54.0	-6.4	1.76 V	95	36.0	11.6

Remarks:

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

RF Mode	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.80	60.5 PK	68.2	-7.7	1.40 H	328	55.4	5.1
2	*5745.00	110.1 PK			1.40 H	328	67.2	42.9
3	*5745.00	99.2 AV			1.40 H	328	56.3	42.9
4	#5948.00	60.9 PK	68.2	-7.3	1.40 H	328	55.7	5.2
5	11490.00	61.8 PK	74.0	-12.2	1.72 H	90	50.0	11.8
6	11490.00	48.0 AV	54.0	-6.0	1.72 H	90	36.2	11.8
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	#5633.20	60.1 PK	68.2	-8.1	1.62 V	96	55.0	5.1
2	*5745.00	107.9 PK			1.62 V	96	65.0	42.9
3	*5745.00	97.9 AV			1.62 V	96	55.0	42.9
4	#5978.40	60.0 PK	68.2	-8.2	1.62 V	96	54.6	5.4
5	11490.00	61.3 PK	74.0	-12.7	1.71 V	112	49.5	11.8
6	11490.00	47.8 AV	54.0	-6.2	1.71 V	112	36.0	11.8

Remarks:

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

RF Mode	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.20	60.5 PK	68.2	-7.7	1.45 H	330	55.6	4.9
2	*5785.00	112.1 PK			1.45 H	330	69.0	43.1
3	*5785.00	98.6 AV			1.45 H	330	55.5	43.1
4	#5930.00	62.2 PK	68.2	-6.0	1.45 H	330	56.9	5.3
5	11570.00	61.6 PK	74.0	-12.4	1.68 H	92	49.7	11.9
6	11570.00	47.9 AV	54.0	-6.1	1.68 H	92	36.0	11.9
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	#5640.40	60.7 PK	68.2	-7.5	1.88 V	90	55.5	5.2
2	*5785.00	110.1 PK			1.88 V	90	67.0	43.1
3	*5785.00	97.7 AV			1.88 V	90	54.6	43.1
4	#5934.40	61.0 PK	68.2	-7.2	1.88 V	90	55.7	5.3
5	11570.00	60.9 PK	74.0	-13.1	1.67 V	82	49.0	11.9
6	11570.00	47.5 AV	54.0	-6.5	1.67 V	82	35.6	11.9

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	802.11ac (VHT20)	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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.80	59.7 PK	68.2	-8.5	1.59 H	339	54.7	5.0
2	*5825.00	110.8 PK			1.62 H	336	67.5	43.3
3	*5825.00	99.0 AV			1.62 H	332	55.7	43.3
4	#5964.40	59.7 PK	68.2	-8.5	1.59 H	339	54.4	5.3
5	11650.00	61.5 PK	74.0	-12.5	1.83 H	106	49.9	11.6
6	11650.00	47.6 AV	54.0	-6.4	1.83 H	106	36.0	11.6
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	#5628.80	59.5 PK	68.2	-8.7	1.78 V	80	54.4	5.1
2	*5825.00	109.9 PK			1.78 V	80	66.6	43.3
3	*5825.00	97.9 AV			1.78 V	80	54.6	43.3
4	#5964.80	61.3 PK	68.2	-6.9	1.78 V	80	56.0	5.3
5	11650.00	60.3 PK	74.0	-13.7	1.71 V	88	48.7	11.6
6	11650.00	47.1 AV	54.0	-6.9	1.71 V	88	35.5	11.6

Remarks:

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

RF Mode	802.11ax (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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.60	61.2 PK	68.2	-7.0	1.44 H	331	56.0	5.2
2	*5745.00	110.9 PK			1.44 H	331	68.0	42.9
3	*5745.00	100.0 AV			1.44 H	331	57.1	42.9
4	#5975.60	61.4 PK	68.2	-6.8	1.44 H	331	56.0	5.4
5	11490.00	62.0 PK	74.0	-12.0	1.70 H	86	50.2	11.8
6	11490.00	48.3 AV	54.0	-5.7	1.70 H	86	36.5	11.8
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	#5636.00	60.5 PK	68.2	-7.7	1.66 V	100	55.4	5.1
2	*5745.00	108.6 PK			1.66 V	100	65.7	42.9
3	*5745.00	98.3 AV			1.66 V	100	55.4	42.9
4	#5984.80	61.2 PK	68.2	-7.0	1.66 V	100	55.8	5.4
5	11490.00	61.5 PK	74.0	-12.5	1.77 V	106	49.7	11.8
6	11490.00	48.0 AV	54.0	-6.0	1.77 V	106	36.2	11.8

Remarks:

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

RF Mode	802.11ax (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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.40	61.6 PK	68.2	-6.6	1.48 H	333	56.3	5.3
2	*5785.00	113.0 PK			1.48 H	333	69.9	43.1
3	*5785.00	99.5 AV			1.48 H	333	56.4	43.1
4	#5939.20	62.3 PK	68.2	-5.9	1.48 H	333	57.1	5.2
5	11570.00	61.7 PK	74.0	-12.3	1.67 H	91	49.8	11.9
6	11570.00	48.2 AV	54.0	-5.8	1.67 H	91	36.3	11.9
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	#5640.40	61.2 PK	68.2	-7.0	1.84 V	95	56.0	5.2
2	*5785.00	111.0 PK			1.84 V	95	67.9	43.1
3	*5785.00	98.6 AV			1.84 V	95	55.5	43.1
4	#5976.40	61.6 PK	68.2	-6.6	1.84 V	95	56.2	5.4
5	11570.00	61.1 PK	74.0	-12.9	1.66 V	89	49.2	11.9
6	11570.00	47.7 AV	54.0	-6.3	1.66 V	89	35.8	11.9

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 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	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.00	60.7 PK	68.2	-7.5	1.61 H	344	55.6	5.1
2	*5825.00	112.2 PK			1.61 H	344	68.9	43.3
3	*5825.00	99.6 AV			1.61 H	344	56.3	43.3
4	#5929.20	61.6 PK	68.2	-6.6	1.61 H	344	56.3	5.3
5	11650.00	62.1 PK	74.0	-11.9	1.88 H	123	50.5	11.6
6	11650.00	48.4 AV	54.0	-5.6	1.88 H	123	36.8	11.6
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	#5637.20	61.2 PK	68.2	-7.0	1.73 V	98	56.0	5.2
2	*5825.00	110.5 PK			1.73 V	98	67.2	43.3
3	*5825.00	98.5 AV			1.73 V	98	55.2	43.3
4	#5938.40	61.8 PK	68.2	-6.4	1.73 V	98	56.5	5.3
5	11650.00	60.7 PK	74.0	-13.3	1.69 V	91	49.1	11.6
6	11650.00	47.4 AV	54.0	-6.6	1.69 V	91	35.8	11.6

Remarks:

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

Mode B

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.50 H	340	61.9	4.0
2	5150.00	47.5 AV	54.0	-6.5	1.50 H	340	43.5	4.0
3	*5180.00	107.9 PK			1.50 H	340	66.1	41.8
4	*5180.00	98.6 AV			1.50 H	340	56.8	41.8
5	#10360.00	57.3 PK	68.2	-10.9	1.40 H	255	46.9	10.4
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	69.3 PK	74.0	-4.7	2.71 V	267	65.3	4.0
2	5150.00	50.0 AV	54.0	-4.0	2.71 V	267	46.0	4.0
3	*5180.00	110.2 PK			2.71 V	267	68.4	41.8
4	*5180.00	100.2 AV			2.71 V	267	58.4	41.8
5	#10360.00	58.1 PK	68.2	-10.1	1.95 V	148	47.7	10.4

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	110.0 PK			1.49 H	333	68.1	41.9
2	*5200.00	100.3 AV			1.49 H	333	58.4	41.9
3	#10400.00	57.7 PK	68.2	-10.5	1.47 H	256	47.4	10.3
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	111.4 PK			2.77 V	268	69.5	41.9
2	*5200.00	101.3 AV			2.77 V	268	59.4	41.9
3	#10400.00	58.4 PK	68.2	-9.8	1.99 V	156	48.1	10.3

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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.0 PK			1.50 H	341	69.1	41.9
2	*5240.00	100.4 AV			1.50 H	341	58.5	41.9
3	5350.00	54.4 PK	74.0	-19.6	1.50 H	341	50.5	3.9
4	5350.00	42.8 AV	54.0	-11.2	1.50 H	341	38.9	3.9
5	#10480.00	57.7 PK	68.2	-10.5	1.44 H	241	47.0	10.7
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	*5240.00	113.0 PK			2.89 V	259	71.1	41.9
2	*5240.00	102.9 AV			2.89 V	259	61.0	41.9
3	5350.00	56.4 PK	74.0	-17.6	2.89 V	259	52.5	3.9
4	5350.00	43.9 AV	54.0	-10.1	2.89 V	259	40.0	3.9
5	#10480.00	58.5 PK	68.2	-9.7	1.90 V	147	47.8	10.7

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	802.11ac (VHT20)	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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.8 PK	74.0	-10.2	1.50 H	336	59.8	4.0
2	5150.00	46.5 AV	54.0	-7.5	1.50 H	336	42.5	4.0
3	*5180.00	108.9 PK			1.50 H	336	67.1	41.8
4	*5180.00	95.6 AV			1.50 H	336	53.8	41.8
5	#10360.00	56.6 PK	68.2	-11.6	1.39 H	271	46.2	10.4
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	66.5 PK	74.0	-7.5	2.82 V	270	62.5	4.0
2	5150.00	48.0 AV	54.0	-6.0	2.82 V	270	44.0	4.0
3	*5180.00	111.6 PK			2.82 V	270	69.8	41.8
4	*5180.00	97.8 AV			2.82 V	270	56.0	41.8
5	#10360.00	57.5 PK	68.2	-10.7	1.92 V	141	47.1	10.4

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	802.11ac (VHT20)	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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.9 PK			2.10 H	256	71.0	41.9
2	*5200.00	98.9 AV			2.10 H	256	57.0	41.9
3	#10400.00	56.3 PK	68.2	-11.9	1.34 H	252	46.0	10.3
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	113.0 PK			2.77 V	261	71.1	41.9
2	*5200.00	100.9 AV			2.77 V	261	59.0	41.9
3	#10400.00	57.3 PK	68.2	-10.9	1.94 V	150	47.0	10.3

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	802.11ac (VHT20)	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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.9 PK			2.07 H	249	70.0	41.9
2	*5240.00	98.4 AV			2.07 H	249	56.5	41.9
3	5350.00	55.5 PK	74.0	-18.5	2.07 H	249	51.6	3.9
4	5350.00	42.4 AV	54.0	-11.6	2.07 H	249	38.5	3.9
5	#10480.00	56.7 PK	68.2	-11.5	1.30 H	244	46.0	10.7
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	*5240.00	115.0 PK			2.88 V	251	73.1	41.9
2	*5240.00	100.9 AV			2.88 V	251	59.0	41.9
3	5350.00	56.1 PK	74.0	-17.9	2.88 V	251	52.2	3.9
4	5350.00	43.5 AV	54.0	-10.5	2.88 V	251	39.6	3.9
5	#10480.00	57.7 PK	68.2	-10.5	1.89 V	152	47.0	10.7

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 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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.3 PK	74.0	-9.7	1.51 H	342	60.3	4.0
2	5150.00	46.8 AV	54.0	-7.2	1.51 H	342	42.8	4.0
3	*5180.00	109.8 PK			1.51 H	342	68.0	41.8
4	*5180.00	96.3 AV			1.51 H	342	54.5	41.8
5	#10360.00	57.0 PK	68.2	-11.2	1.33 H	260	46.6	10.4

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	67.0 PK	74.0	-7.0	2.87 V	273	63.0	4.0
2	5150.00	48.5 AV	54.0	-5.5	2.87 V	273	44.5	4.0
3	*5180.00	112.2 PK			2.87 V	273	70.4	41.8
4	*5180.00	98.6 AV			2.87 V	273	56.8	41.8
5	#10360.00	57.8 PK	68.2	-10.4	1.99 V	142	47.4	10.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	113.4 PK			2.06 H	255	71.5	41.9
2	*5200.00	99.7 AV			2.06 H	255	57.8	41.9
3	#10400.00	56.7 PK	68.2	-11.5	1.35 H	252	46.4	10.3
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	114.1 PK			2.74 V	257	72.2	41.9
2	*5200.00	101.7 AV			2.74 V	257	59.8	41.9
3	#10400.00	57.8 PK	68.2	-10.4	1.92 V	144	47.5	10.3

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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.4 PK			2.03 H	254	70.5	41.9
2	*5240.00	99.1 AV			2.03 H	254	57.2	41.9
3	5350.00	56.1 PK	74.0	-17.9	2.03 H	254	52.2	3.9
4	5350.00	42.9 AV	54.0	-11.1	2.03 H	254	39.0	3.9
5	#10480.00	57.0 PK	68.2	-11.2	1.32 H	250	46.3	10.7
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	*5240.00	115.7 PK			2.86 V	258	73.8	41.9
2	*5240.00	101.8 AV			2.86 V	258	59.9	41.9
3	5350.00	57.0 PK	74.0	-17.0	2.86 V	258	53.1	3.9
4	5350.00	43.9 AV	54.0	-10.1	2.86 V	258	40.0	3.9
5	#10480.00	58.1 PK	68.2	-10.1	1.99 V	150	47.4	10.7

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.2 PK	74.0	-18.8	3.32 H	260	51.2	4.0
2	5150.00	42.5 AV	54.0	-11.5	3.32 H	260	38.5	4.0
3	*5260.00	110.8 PK			3.32 H	260	68.9	41.9
4	*5260.00	100.9 AV			3.32 H	260	59.0	41.9
5	#10520.00	57.1 PK	68.2	-11.1	1.30 H	249	46.3	10.8
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	5150.00	56.0 PK	74.0	-18.0	2.82 V	257	52.0	4.0
2	5150.00	43.0 AV	54.0	-11.0	2.82 V	257	39.0	4.0
3	*5260.00	113.5 PK			2.82 V	257	71.6	41.9
4	*5260.00	103.9 AV			2.82 V	257	62.0	41.9
5	#10520.00	58.3 PK	68.2	-9.9	1.97 V	142	47.5	10.8

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 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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.6 PK			3.11 H	259	69.8	41.8
2	*5300.00	101.4 AV			3.11 H	259	59.6	41.8
3	10600.00	57.9 PK	74.0	-16.1	1.38 H	256	46.9	11.0
4	10600.00	44.4 AV	54.0	-9.6	1.38 H	256	33.4	11.0
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	*5300.00	112.4 PK			2.73 V	255	70.6	41.8
2	*5300.00	102.3 AV			2.73 V	255	60.5	41.8
3	10600.00	58.6 PK	74.0	-15.4	1.95 V	148	47.6	11.0
4	10600.00	45.2 AV	54.0	-8.8	1.95 V	148	34.2	11.0

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.

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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.3 PK			3.28 H	255	68.6	41.7
2	*5320.00	100.9 AV			3.28 H	255	59.2	41.7
3	5350.00	70.0 PK	74.0	-4.0	3.28 H	255	66.1	3.9
4	5350.00	50.7 AV	54.0	-3.3	3.28 H	255	46.8	3.9
5	10640.00	57.5 PK	74.0	-16.5	1.00 H	257	46.7	10.8
6	10640.00	44.1 AV	54.0	-9.9	1.00 H	257	33.3	10.8
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	*5320.00	111.9 PK			2.78 V	255	70.2	41.7
2	*5320.00	101.9 AV			2.78 V	255	60.2	41.7
3	5350.00	70.8 PK	74.0	-3.2	2.78 V	255	66.9	3.9
4	5350.00	51.0 AV	54.0	-3.0	2.78 V	255	47.1	3.9
5	10640.00	57.9 PK	74.0	-16.1	1.93 V	147	47.1	10.8
6	10640.00	44.9 AV	54.0	-9.1	1.93 V	147	34.1	10.8

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	802.11ac (VHT20)	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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.0 PK	74.0	-19.0	3.36 H	251	51.0	4.0
2	5150.00	41.8 AV	54.0	-12.2	3.36 H	251	37.8	4.0
3	*5260.00	111.9 PK			3.36 H	251	70.0	41.9
4	*5260.00	99.0 AV			3.36 H	251	57.1	41.9
5	#10520.00	57.3 PK	68.2	-10.9	1.43 H	257	46.5	10.8
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	5150.00	56.0 PK	74.0	-18.0	2.88 V	263	52.0	4.0
2	5150.00	43.4 AV	54.0	-10.6	2.88 V	263	39.4	4.0
3	*5260.00	113.6 PK			2.88 V	263	71.7	41.9
4	*5260.00	101.7 AV			2.88 V	263	59.8	41.9
5	#10520.00	57.8 PK	68.2	-10.4	1.90 V	142	47.0	10.8

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	802.11ac (VHT20)	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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	112.8 PK			3.39 H	262	71.0	41.8
2	*5300.00	100.1 AV			3.39 H	262	58.3	41.8
3	10600.00	57.3 PK	74.0	-16.7	1.49 H	249	46.3	11.0
4	10600.00	44.5 AV	54.0	-9.5	1.49 H	249	33.5	11.0
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	*5300.00	114.8 PK			2.82 V	251	73.0	41.8
2	*5300.00	102.1 AV			2.82 V	251	60.3	41.8
3	10600.00	58.0 PK	74.0	-16.0	1.99 V	141	47.0	11.0
4	10600.00	45.0 AV	54.0	-9.0	1.99 V	141	34.0	11.0

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.

RF Mode	802.11ac (VHT20)	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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.7 PK			3.21 H	253	70.0	41.7
2	*5320.00	98.5 AV			3.21 H	253	56.8	41.7
3	5350.00	69.0 PK	74.0	-5.0	3.21 H	253	65.1	3.9
4	5350.00	49.4 AV	54.0	-4.6	3.21 H	253	45.5	3.9
5	10640.00	56.8 PK	74.0	-17.2	1.39 H	247	46.0	10.8
6	10640.00	43.8 AV	54.0	-10.2	1.39 H	247	33.0	10.8
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	*5320.00	112.7 PK			2.86 V	255	71.0	41.7
2	*5320.00	99.6 AV			2.86 V	255	57.9	41.7
3	5350.00	69.9 PK	74.0	-4.1	2.86 V	255	66.0	3.9
4	5350.00	50.6 AV	54.0	-3.4	2.86 V	255	46.7	3.9
5	10640.00	57.9 PK	74.0	-16.1	1.88 V	150	47.1	10.8
6	10640.00	45.0 AV	54.0	-9.0	1.88 V	150	34.2	10.8

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 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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.4 PK	74.0	-18.6	3.31 H	259	51.4	4.0
2	5150.00	42.2 AV	54.0	-11.8	3.31 H	259	38.2	4.0
3	*5260.00	112.4 PK			3.31 H	259	70.5	41.9
4	*5260.00	99.8 AV			3.31 H	259	57.9	41.9
5	#10520.00	57.6 PK	68.2	-10.6	1.41 H	255	46.8	10.8
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	5150.00	56.5 PK	74.0	-17.5	2.81 V	258	52.5	4.0
2	5150.00	43.9 AV	54.0	-10.1	2.81 V	258	39.9	4.0
3	*5260.00	114.4 PK			2.81 V	258	72.5	41.9
4	*5260.00	102.5 AV			2.81 V	258	60.6	41.9
5	#10520.00	58.1 PK	68.2	-10.1	1.94 V	144	47.3	10.8

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 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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.4 PK			3.28 H	250	71.6	41.8
2	*5300.00	101.2 AV			3.28 H	250	59.4	41.8
3	10600.00	57.5 PK	74.0	-16.5	1.52 H	236	46.5	11.0
4	10600.00	44.9 AV	54.0	-9.1	1.52 H	236	33.9	11.0
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	*5300.00	115.4 PK			2.89 V	256	73.6	41.8
2	*5300.00	102.8 AV			2.89 V	256	61.0	41.8
3	10600.00	58.4 PK	74.0	-15.6	1.92 V	146	47.4	11.0
4	10600.00	45.2 AV	54.0	-8.8	1.92 V	146	34.2	11.0

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.

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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.2 PK			3.27 H	256	70.5	41.7
2	*5320.00	99.0 AV			3.27 H	256	57.3	41.7
3	5350.00	69.7 PK	74.0	-4.3	3.27 H	256	65.8	3.9
4	5350.00	49.9 AV	54.0	-4.1	3.27 H	256	46.0	3.9
5	10640.00	57.0 PK	74.0	-17.0	1.53 H	251	46.2	10.8
6	10640.00	44.1 AV	54.0	-9.9	1.53 H	251	33.3	10.8
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	*5320.00	113.3 PK			2.73 V	257	71.6	41.7
2	*5320.00	100.5 AV			2.73 V	257	58.8	41.7
3	5350.00	70.4 PK	74.0	-3.6	2.73 V	257	66.5	3.9
4	5350.00	50.9 AV	54.0	-3.1	2.73 V	257	47.0	3.9
5	10640.00	58.3 PK	74.0	-15.7	1.86 V	152	47.5	10.8
6	10640.00	45.2 AV	54.0	-8.8	1.86 V	152	34.4	10.8

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 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, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	3.61 H	263	52.2	4.3
2	5460.00	43.8 AV	54.0	-10.2	3.61 H	263	39.5	4.3
3	#5470.00	64.3 PK	68.2	-3.9	3.61 H	263	60.0	4.3
4	*5500.00	105.1 PK			3.61 H	263	63.0	42.1
5	*5500.00	95.4 AV			3.61 H	263	53.3	42.1
6	11000.00	59.0 PK	74.0	-15.0	2.39 H	235	48.1	10.9
7	11000.00	45.9 AV	54.0	-8.1	2.39 H	235	35.0	10.9
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	57.0 PK	74.0	-17.0	2.72 V	255	52.7	4.3
2	5460.00	44.3 AV	54.0	-9.7	2.72 V	255	40.0	4.3
3	#5470.00	65.0 PK	68.2	-3.2	2.72 V	255	60.7	4.3
4	*5500.00	105.3 PK			2.72 V	255	63.2	42.1
5	*5500.00	97.1 AV			2.72 V	255	55.0	42.1
6	11000.00	61.4 PK	74.0	-12.6	2.11 V	256	50.5	10.9
7	11000.00	48.4 AV	54.0	-5.6	2.11 V	256	37.5	10.9

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.5 PK			3.61 H	266	67.4	42.1
2	*5580.00	99.2 AV			3.61 H	266	57.1	42.1
3	11160.00	62.4 PK	74.0	-11.6	2.50 H	258	51.0	11.4
4	11160.00	49.6 AV	54.0	-4.4	2.50 H	258	38.2	11.4
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	*5580.00	110.3 PK			2.68 V	257	68.2	42.1
2	*5580.00	100.4 AV			2.68 V	257	58.3	42.1
3	11160.00	62.9 PK	74.0	-11.1	2.61 V	267	51.5	11.4
4	11160.00	50.0 AV	54.0	-4.0	2.61 V	267	38.6	11.4

Remarks:

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

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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.2 PK			3.32 H	261	65.1	43.1
2	*5700.00	98.3 AV			3.32 H	261	55.2	43.1
3	#5725.00	64.0 PK	68.2	-4.2	3.32 H	261	58.6	5.4
4	11400.00	62.7 PK	74.0	-11.3	2.43 H	256	50.2	12.5
5	11400.00	49.6 AV	54.0	-4.4	2.43 H	256	37.1	12.5
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	*5700.00	109.0 PK			2.74 V	256	65.9	43.1
2	*5700.00	99.2 AV			2.74 V	256	56.1	43.1
3	#5725.00	65.2 PK	68.2	-3.0	2.74 V	256	59.8	5.4
4	11400.00	63.3 PK	74.0	-10.7	2.53 V	267	50.8	12.5
5	11400.00	50.2 AV	54.0	-3.8	2.53 V	267	37.7	12.5

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	55.9 PK	68.2	-12.3	3.29 H	249	51.6	4.3
2	*5720.00	111.5 PK			3.29 H	249	68.5	43.0
3	*5720.00	101.7 AV			3.29 H	249	58.7	43.0
4	#5850.00	56.5 PK	68.2	-11.7	3.29 H	249	50.8	5.7
5	11440.00	62.7 PK	74.0	-11.3	2.45 H	257	50.5	12.2
6	11440.00	49.6 AV	54.0	-4.4	2.45 H	257	37.4	12.2
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	#5470.00	56.4 PK	68.2	-11.8	2.76 V	258	52.1	4.3
2	*5720.00	112.6 PK			2.76 V	258	69.6	43.0
3	*5720.00	102.8 AV			2.76 V	258	59.8	43.0
4	#5850.00	57.1 PK	68.2	-11.1	2.76 V	258	51.4	5.7
5	11440.00	63.4 PK	74.0	-10.6	2.54 V	263	51.2	12.2
6	11440.00	50.4 AV	54.0	-3.6	2.54 V	263	38.2	12.2

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.7 PK	74.0	-16.3	3.34 H	241	53.4	4.3
2	5460.00	42.5 AV	54.0	-11.5	3.34 H	241	38.2	4.3
3	#5470.00	62.6 PK	68.2	-5.6	3.34 H	241	58.3	4.3
4	*5500.00	105.8 PK			3.34 H	241	63.7	42.1
5	*5500.00	95.5 AV			3.34 H	241	53.4	42.1
6	11000.00	60.3 PK	74.0	-13.7	2.45 H	258	49.4	10.9
7	11000.00	47.4 AV	54.0	-6.6	2.45 H	258	36.5	10.9
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	58.4 PK	74.0	-15.6	2.79 V	256	54.1	4.3
2	5460.00	43.0 AV	54.0	-11.0	2.79 V	256	38.7	4.3
3	#5470.00	64.6 PK	68.2	-3.6	2.79 V	256	60.3	4.3
4	*5500.00	106.7 PK			2.79 V	256	64.6	42.1
5	*5500.00	96.5 AV			2.79 V	256	54.4	42.1
6	11000.00	61.1 PK	74.0	-12.9	2.46 V	263	50.2	10.9
7	11000.00	48.0 AV	54.0	-6.0	2.46 V	263	37.1	10.9

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	802.11ac (VHT20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.5 PK			3.43 H	250	67.4	42.1
2	*5580.00	99.2 AV			3.43 H	250	57.1	42.1
3	11160.00	61.9 PK	74.0	-12.1	2.38 H	255	50.5	11.4
4	11160.00	49.0 AV	54.0	-5.0	2.38 H	255	37.6	11.4
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	*5580.00	110.5 PK			2.82 V	254	68.4	42.1
2	*5580.00	100.4 AV			2.82 V	254	58.3	42.1
3	11160.00	62.8 PK	74.0	-11.2	2.51 V	262	51.4	11.4
4	11160.00	49.8 AV	54.0	-4.2	2.51 V	262	38.4	11.4

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.6 PK			3.32 H	265	63.5	43.1
2	*5700.00	96.3 AV			3.32 H	265	53.2	43.1
3	#5725.00	62.7 PK	68.2	-5.5	3.32 H	265	57.3	5.4
4	11400.00	62.2 PK	74.0	-11.8	2.39 H	257	49.7	12.5
5	11400.00	49.2 AV	54.0	-4.8	2.39 H	257	36.7	12.5
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	*5700.00	107.7 PK			2.77 V	258	64.6	43.1
2	*5700.00	97.4 AV			2.77 V	258	54.3	43.1
3	#5725.00	64.7 PK	68.2	-3.5	2.77 V	258	59.3	5.4
4	11400.00	62.6 PK	74.0	-11.4	2.51 V	264	50.1	12.5
5	11400.00	49.5 AV	54.0	-4.5	2.51 V	264	37.0	12.5

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	802.11ac (VHT20)	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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	54.9 PK	68.2	-13.3	3.23 H	234	50.6	4.3
2	*5720.00	110.6 PK			3.23 H	234	67.6	43.0
3	*5720.00	100.4 AV			3.23 H	234	57.4	43.0
4	#5850.00	56.4 PK	68.2	-11.8	3.23 H	234	50.7	5.7
5	11440.00	62.5 PK	74.0	-11.5	2.42 H	256	50.3	12.2
6	11440.00	49.5 AV	54.0	-4.5	2.42 H	256	37.3	12.2
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	#5470.00	55.5 PK	68.2	-12.7	2.81 V	253	51.2	4.3
2	*5720.00	111.8 PK			2.81 V	253	68.8	43.0
3	*5720.00	101.5 AV			2.81 V	253	58.5	43.0
4	#5850.00	57.2 PK	68.2	-11.0	2.81 V	253	51.5	5.7
5	11440.00	63.2 PK	74.0	-10.8	2.43 V	265	51.0	12.2
6	11440.00	50.3 AV	54.0	-3.7	2.43 V	265	38.1	12.2

Remarks:

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

RF Mode	802.11ax (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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.0 PK	74.0	-16.0	3.37 H	243	53.7	4.3
2	5460.00	42.7 AV	54.0	-11.3	3.37 H	243	38.4	4.3
3	#5470.00	62.9 PK	68.2	-5.3	3.37 H	243	58.6	4.3
4	*5500.00	109.3 PK			3.37 H	243	67.2	42.1
5	*5500.00	95.9 AV			3.37 H	243	53.8	42.1
6	11000.00	60.5 PK	74.0	-13.5	2.41 H	254	49.6	10.9
7	11000.00	47.5 AV	54.0	-6.5	2.41 H	254	36.6	10.9
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	58.6 PK	74.0	-15.4	2.72 V	260	54.3	4.3
2	5460.00	43.2 AV	54.0	-10.8	2.72 V	260	38.9	4.3
3	#5470.00	65.1 PK	68.2	-3.1	2.72 V	260	60.8	4.3
4	*5500.00	110.2 PK			2.72 V	260	68.1	42.1
5	*5500.00	96.9 AV			2.72 V	260	54.8	42.1
6	11000.00	61.2 PK	74.0	-12.8	2.51 V	266	50.3	10.9
7	11000.00	48.2 AV	54.0	-5.8	2.51 V	266	37.3	10.9

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 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.9 PK			3.46 H	252	70.8	42.1
2	*5580.00	99.6 AV			3.46 H	252	57.5	42.1
3	11160.00	62.2 PK	74.0	-11.8	2.39 H	254	50.8	11.4
4	11160.00	49.2 AV	54.0	-4.8	2.39 H	254	37.8	11.4
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	*5580.00	114.0 PK			2.79 V	257	71.9	42.1
2	*5580.00	100.7 AV			2.79 V	257	58.6	42.1
3	11160.00	63.0 PK	74.0	-11.0	2.53 V	262	51.6	11.4
4	11160.00	49.9 AV	54.0	-4.1	2.53 V	262	38.5	11.4

Remarks:

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

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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.0 PK			3.35 H	261	66.9	43.1
2	*5700.00	96.7 AV			3.35 H	261	53.6	43.1
3	#5725.00	63.0 PK	68.2	-5.2	3.35 H	261	57.6	5.4
4	11400.00	62.4 PK	74.0	-11.6	2.41 H	256	49.9	12.5
5	11400.00	49.3 AV	54.0	-4.7	2.41 H	256	36.8	12.5
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	*5700.00	110.9 PK			2.74 V	253	67.8	43.1
2	*5700.00	97.7 AV			2.74 V	253	54.6	43.1
3	#5725.00	65.0 PK	68.2	-3.2	2.74 V	253	59.6	5.4
4	11400.00	62.8 PK	74.0	-11.2	2.52 V	261	50.3	12.5
5	11400.00	49.6 AV	54.0	-4.4	2.52 V	261	37.1	12.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	55.1 PK	68.2	-13.1	3.28 H	238	50.8	4.3
2	*5720.00	114.2 PK			3.28 H	238	71.2	43.0
3	*5720.00	100.9 AV			3.28 H	238	57.9	43.0
4	#5850.00	56.6 PK	68.2	-11.6	3.28 H	238	50.9	5.7
5	11440.00	62.7 PK	74.0	-11.3	2.38 H	253	50.5	12.2
6	11440.00	49.6 AV	54.0	-4.4	2.38 H	253	37.4	12.2
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	#5470.00	55.7 PK	68.2	-12.5	2.78 V	255	51.4	4.3
2	*5720.00	115.3 PK			2.78 V	255	72.3	43.0
3	*5720.00	101.9 AV			2.78 V	255	58.9	43.0
4	#5850.00	57.3 PK	68.2	-10.9	2.78 V	255	51.6	5.7
5	11440.00	63.4 PK	74.0	-10.6	2.46 V	266	51.2	12.2
6	11440.00	50.4 AV	54.0	-3.6	2.46 V	266	38.2	12.2

Remarks:

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

RF Mode	802.11a	Channel	CH 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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5601.60	60.3 PK	68.2	-7.9	3.11 H	254	55.7	4.6
2	*5745.00	111.4 PK			3.11 H	254	68.5	42.9
3	*5745.00	101.2 AV			3.11 H	254	58.3	42.9
4	#5953.60	60.1 PK	68.2	-8.1	3.11 H	254	54.9	5.2
5	11490.00	62.1 PK	74.0	-11.9	2.54 H	251	50.3	11.8
6	11490.00	48.6 AV	54.0	-5.4	2.54 H	251	36.8	11.8
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	#5645.60	61.5 PK	68.2	-6.7	2.76 V	111	56.3	5.2
2	*5745.00	112.5 PK			2.76 V	111	69.6	42.9
3	*5745.00	102.2 AV			2.76 V	111	59.3	42.9
4	#5978.00	62.1 PK	68.2	-6.1	2.76 V	111	56.7	5.4
5	11490.00	63.6 PK	74.0	-10.4	2.53 V	265	51.8	11.8
6	11490.00	50.0 AV	54.0	-4.0	2.53 V	265	38.2	11.8

Remarks:

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

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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.80	60.0 PK	68.2	-8.2	3.12 H	255	54.7	5.3
2	*5785.00	111.6 PK			3.12 H	255	68.5	43.1
3	*5785.00	101.7 AV			3.12 H	255	58.6	43.1
4	#5989.60	60.7 PK	68.2	-7.5	3.12 H	255	55.2	5.5
5	11570.00	62.3 PK	74.0	-11.7	2.57 H	250	50.4	11.9
6	11570.00	48.9 AV	54.0	-5.1	2.57 H	250	37.0	11.9
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	#5646.40	61.2 PK	68.2	-7.0	2.72 V	117	55.9	5.3
2	*5785.00	112.4 PK			2.72 V	117	69.3	43.1
3	*5785.00	102.6 AV			2.72 V	117	59.5	43.1
4	#5958.40	61.0 PK	68.2	-7.2	2.72 V	117	55.7	5.3
5	11570.00	64.2 PK	74.0	-9.8	2.51 V	263	52.3	11.9
6	11570.00	50.4 AV	54.0	-3.6	2.51 V	263	38.5	11.9

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	59.7 PK	68.2	-8.5	3.15 H	255	54.5	5.2
2	*5825.00	110.9 PK			3.15 H	255	67.6	43.3
3	*5825.00	101.0 AV			3.15 H	255	57.7	43.3
4	#5936.00	61.1 PK	68.2	-7.1	3.15 H	255	55.8	5.3
5	11650.00	61.4 PK	74.0	-12.6	2.36 H	257	49.8	11.6
6	11650.00	48.4 AV	54.0	-5.6	2.36 H	257	36.8	11.6
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	#5611.60	60.9 PK	68.2	-7.3	2.76 V	113	56.0	4.9
2	*5825.00	111.9 PK			2.76 V	113	68.6	43.3
3	*5825.00	102.0 AV			2.76 V	113	58.7	43.3
4	#5962.40	61.3 PK	68.2	-6.9	2.76 V	113	56.0	5.3
5	11650.00	63.2 PK	74.0	-10.8	2.53 V	264	51.6	11.6
6	11650.00	49.7 AV	54.0	-4.3	2.53 V	264	38.1	11.6

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.20	59.7 PK	68.2	-8.5	3.17 H	255	54.4	5.3
2	*5745.00	110.6 PK			3.17 H	255	67.7	42.9
3	*5745.00	100.4 AV			3.17 H	255	57.5	42.9
4	#5977.20	59.9 PK	68.2	-8.3	3.17 H	255	54.5	5.4
5	11490.00	61.5 PK	74.0	-12.5	2.47 H	259	49.7	11.8
6	11490.00	48.5 AV	54.0	-5.5	2.47 H	259	36.7	11.8
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	#5628.80	61.2 PK	68.2	-7.0	2.74 V	119	56.1	5.1
2	*5745.00	111.8 PK			2.74 V	119	68.9	42.9
3	*5745.00	101.5 AV			2.74 V	119	58.6	42.9
4	#5986.80	61.6 PK	68.2	-6.6	2.74 V	119	56.1	5.5
5	11490.00	62.9 PK	74.0	-11.1	2.53 V	264	51.1	11.8
6	11490.00	50.0 AV	54.0	-4.0	2.53 V	264	38.2	11.8

Remarks:

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

RF Mode	802.11ac (VHT20)	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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5622.80	59.7 PK	68.2	-8.5	3.13 H	249	54.7	5.0
2	*5785.00	111.0 PK			3.13 H	249	67.9	43.1
3	*5785.00	100.9 AV			3.13 H	249	57.8	43.1
4	#5972.00	60.3 PK	68.2	-7.9	3.13 H	249	54.9	5.4
5	11570.00	61.6 PK	74.0	-12.4	2.55 H	248	49.7	11.9
6	11570.00	48.6 AV	54.0	-5.4	2.55 H	248	36.7	11.9
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	#5633.60	61.2 PK	68.2	-7.0	2.77 V	113	56.1	5.1
2	*5785.00	112.0 PK			2.77 V	113	68.9	43.1
3	*5785.00	101.9 AV			2.77 V	113	58.8	43.1
4	#5988.80	61.9 PK	68.2	-6.3	2.77 V	113	56.4	5.5
5	11570.00	63.2 PK	74.0	-10.8	2.51 V	266	51.3	11.9
6	11570.00	50.2 AV	54.0	-3.8	2.51 V	266	38.3	11.9

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	802.11ac (VHT20)	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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.00	59.3 PK	68.2	-8.9	3.21 H	247	54.3	5.0
2	*5825.00	110.4 PK			3.21 H	247	67.1	43.3
3	*5825.00	100.1 AV			3.21 H	247	56.8	43.3
4	#5987.60	60.9 PK	68.2	-7.3	3.21 H	247	55.4	5.5
5	11650.00	61.1 PK	74.0	-12.9	2.47 H	256	49.5	11.6
6	11650.00	48.1 AV	54.0	-5.9	2.47 H	256	36.5	11.6
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	#5642.00	61.0 PK	68.2	-7.2	2.79 V	124	55.8	5.2
2	*5825.00	111.2 PK			2.79 V	124	67.9	43.3
3	*5825.00	100.9 AV			2.79 V	124	57.6	43.3
4	#5986.80	61.6 PK	68.2	-6.6	2.79 V	124	56.1	5.5
5	11650.00	62.7 PK	74.0	-11.3	2.50 V	264	51.1	11.6
6	11650.00	49.6 AV	54.0	-4.4	2.50 V	264	38.0	11.6

Remarks:

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

RF Mode	802.11ax (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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.80	59.7 PK	68.2	-8.5	3.20 H	256	54.5	5.2
2	*5745.00	114.1 PK			3.20 H	256	71.2	42.9
3	*5745.00	100.7 AV			3.20 H	256	57.8	42.9
4	#5950.80	60.0 PK	68.2	-8.2	3.20 H	256	54.8	5.2
5	11490.00	61.7 PK	74.0	-12.3	2.43 H	256	49.9	11.8
6	11490.00	48.5 AV	54.0	-5.5	2.43 H	256	36.7	11.8
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	#5644.40	61.0 PK	68.2	-7.2	2.80 V	114	55.8	5.2
2	*5745.00	115.4 PK			2.80 V	114	72.5	42.9
3	*5745.00	101.9 AV			2.80 V	114	59.0	42.9
4	#5974.80	61.8 PK	68.2	-6.4	2.80 V	114	56.4	5.4
5	11490.00	63.2 PK	74.0	-10.8	2.58 V	261	51.4	11.8
6	11490.00	50.0 AV	54.0	-4.0	2.58 V	261	38.2	11.8

Remarks:

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

RF Mode	802.11ax (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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.80	59.4 PK	68.2	-8.8	3.17 H	253	54.2	5.2
2	*5785.00	114.8 PK			3.17 H	253	71.7	43.1
3	*5785.00	101.4 AV			3.17 H	253	58.3	43.1
4	#5979.20	60.9 PK	68.2	-7.3	3.17 H	253	55.5	5.4
5	11570.00	61.7 PK	74.0	-12.3	2.52 H	250	49.8	11.9
6	11570.00	48.6 AV	54.0	-5.4	2.52 H	250	36.7	11.9
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	#5621.60	61.3 PK	68.2	-6.9	2.74 V	115	56.3	5.0
2	*5785.00	115.7 PK			2.74 V	115	72.6	43.1
3	*5785.00	102.3 AV			2.74 V	115	59.2	43.1
4	#5938.00	61.5 PK	68.2	-6.7	2.74 V	115	56.2	5.3
5	11570.00	63.4 PK	74.0	-10.6	2.52 V	263	51.5	11.9
6	11570.00	50.2 AV	54.0	-3.8	2.52 V	263	38.3	11.9

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 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, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.80	59.7 PK	68.2	-8.5	3.25 H	248	54.6	5.1
2	*5825.00	113.7 PK			3.25 H	248	70.4	43.3
3	*5825.00	100.5 AV			3.25 H	248	57.2	43.3
4	#5991.60	60.5 PK	68.2	-7.7	3.25 H	248	55.0	5.5
5	11650.00	61.3 PK	74.0	-12.7	2.58 H	253	49.7	11.6
6	11650.00	48.2 AV	54.0	-5.8	2.58 H	253	36.6	11.6
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	#5629.20	61.1 PK	68.2	-7.1	2.76 V	118	56.0	5.1
2	*5825.00	114.7 PK			2.76 V	118	71.4	43.3
3	*5825.00	101.4 AV			2.76 V	118	58.1	43.3
4	#5995.60	61.7 PK	68.2	-6.5	2.76 V	118	56.2	5.5
5	11650.00	62.9 PK	74.0	-11.1	2.49 V	268	51.3	11.6
6	11650.00	49.7 AV	54.0	-4.3	2.49 V	268	38.1	11.6

Remarks:

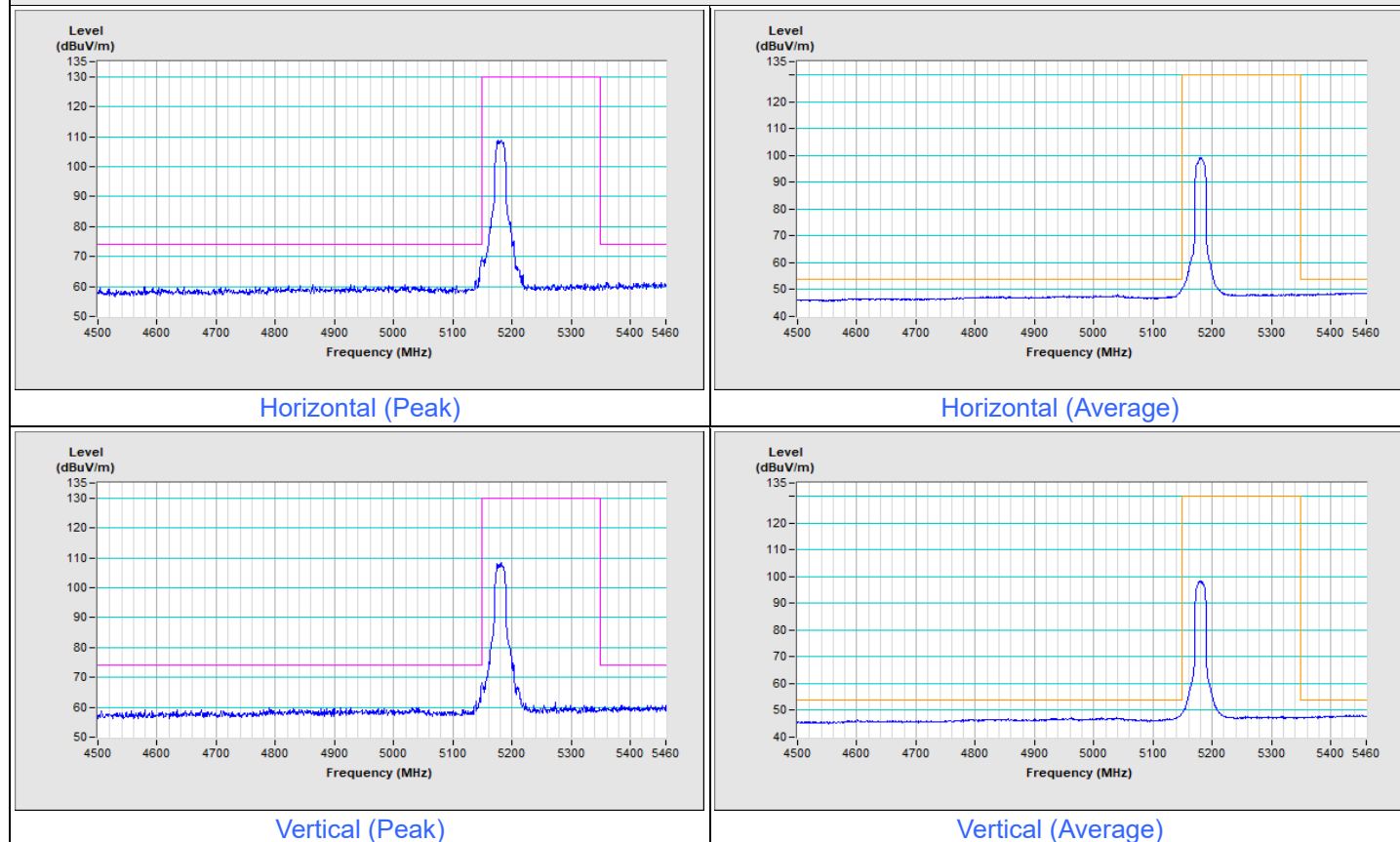
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

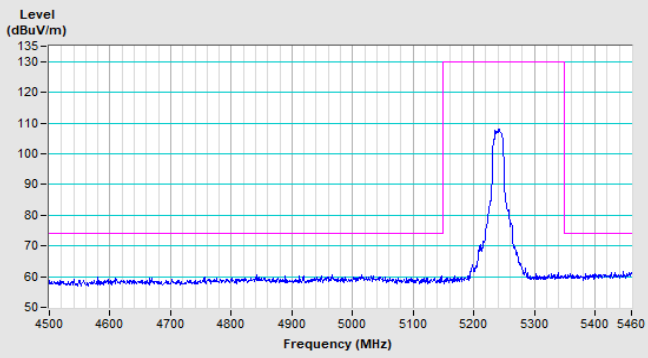
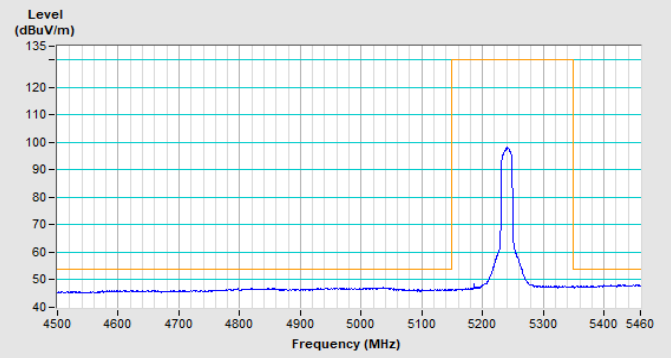
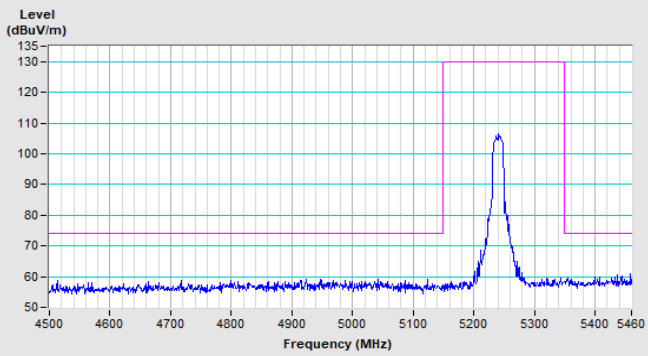
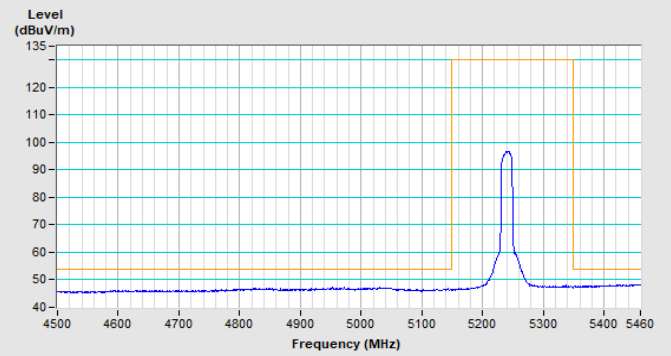
Plot of Band Edge

Mode A

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

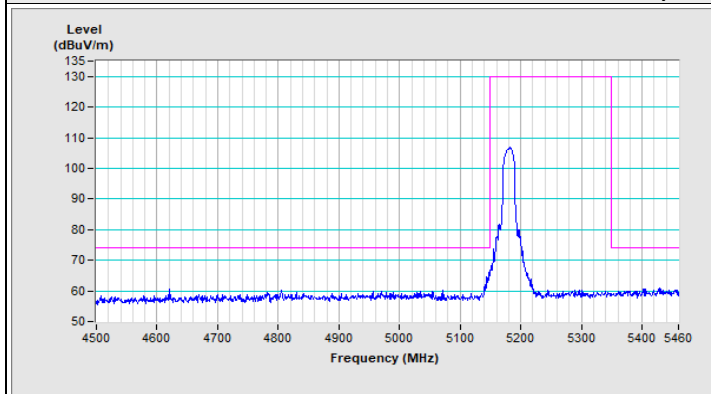
802.11a Channel 36



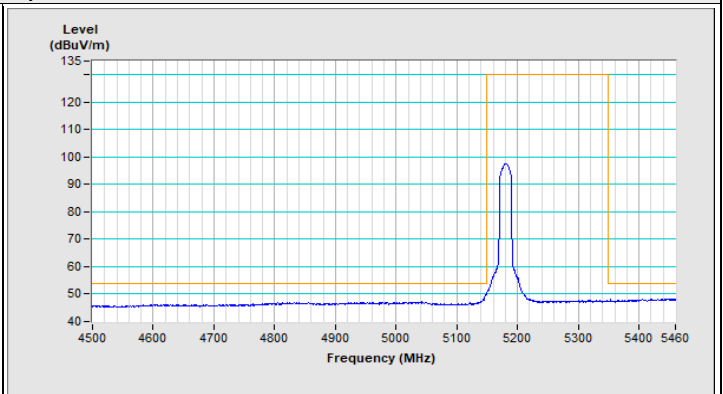
802.11a Channel 48**Horizontal (Peak)****Horizontal (Average)****Vertical (Peak)****Vertical (Average)**

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
-----------------	--------------------	-------------------------------	--

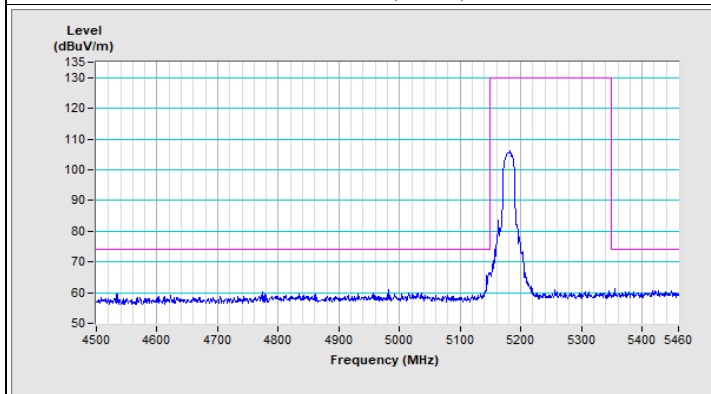
802.11ac (VHT20) Channel 36



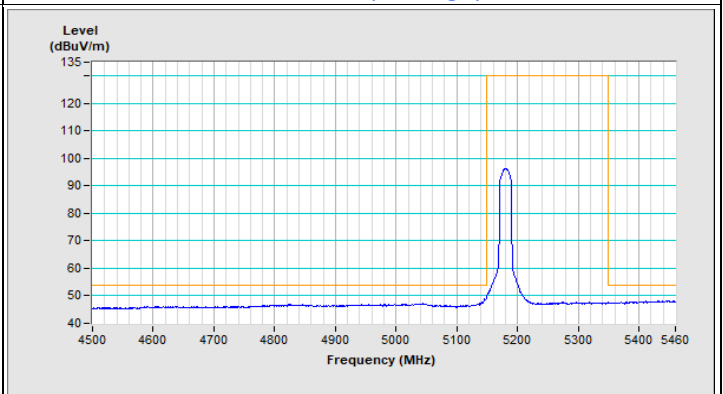
Horizontal (Peak)



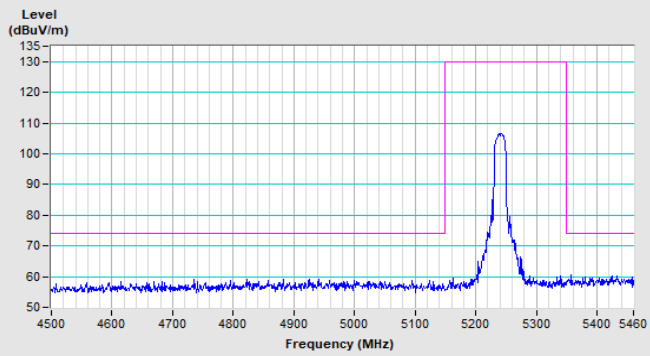
Horizontal (Average)



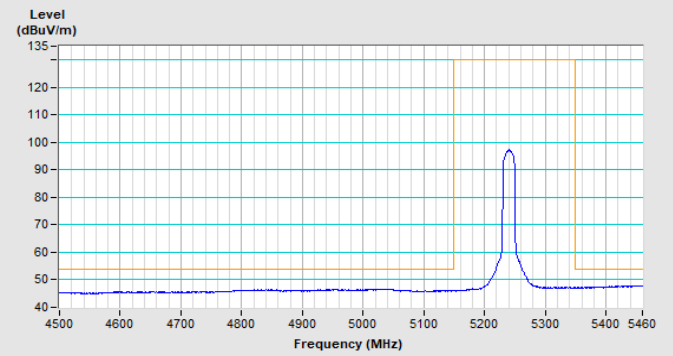
Vertical (Peak)



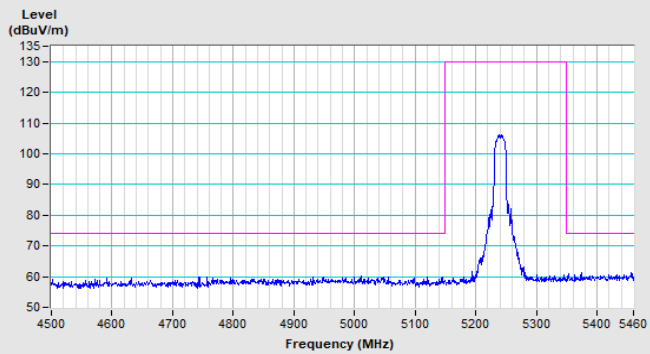
Vertical (Average)

802.11ac (VHT20) Channel 48

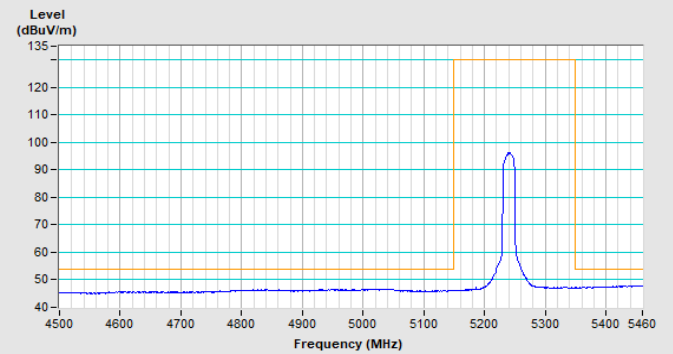
Horizontal (Peak)



Horizontal (Average)



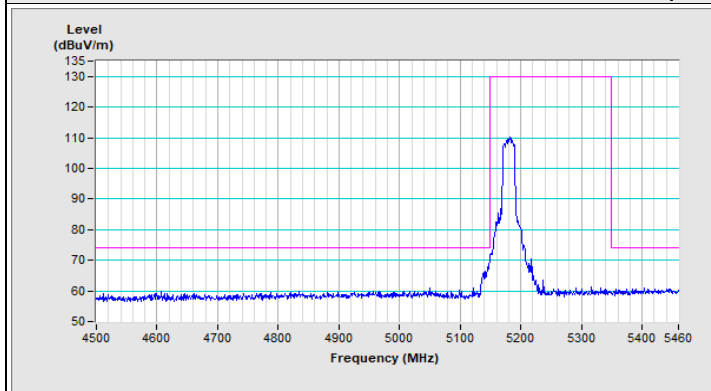
Vertical (Peak)



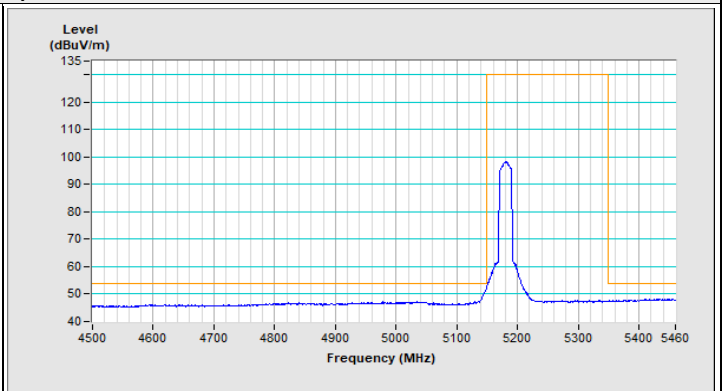
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

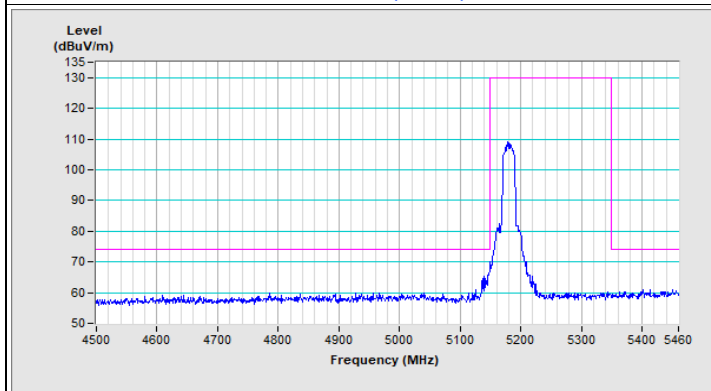
802.11ax (HE20) Channel 36



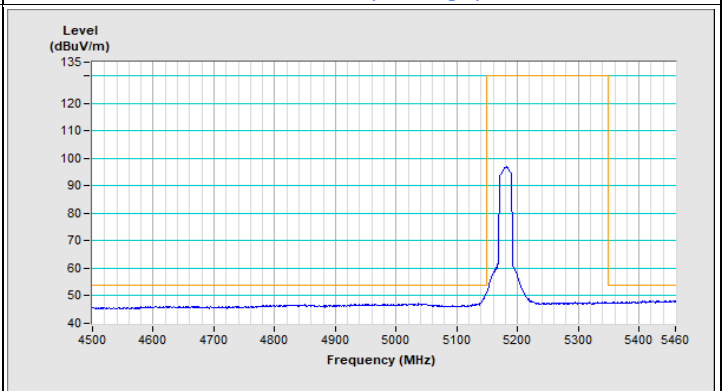
Horizontal (Peak)



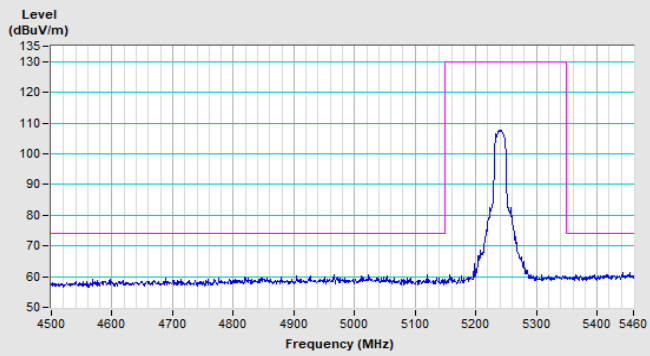
Horizontal (Average)



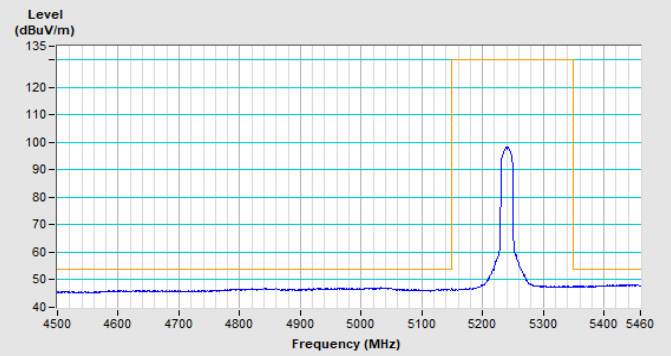
Vertical (Peak)



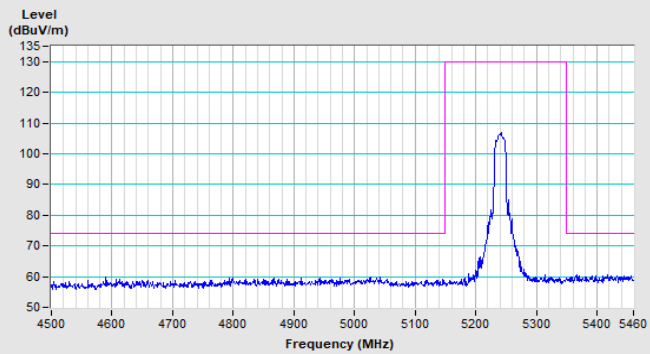
Vertical (Average)

802.11ax (HE20) Channel 48

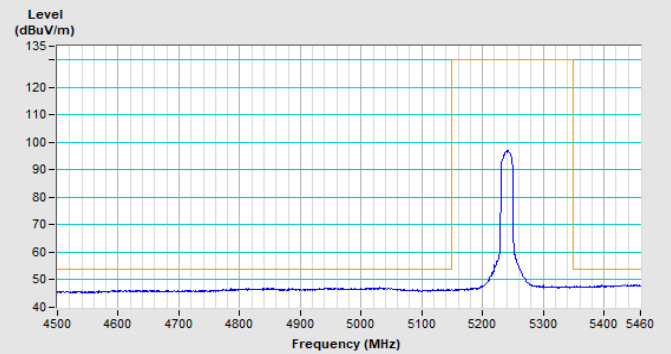
Horizontal (Peak)



Horizontal (Average)



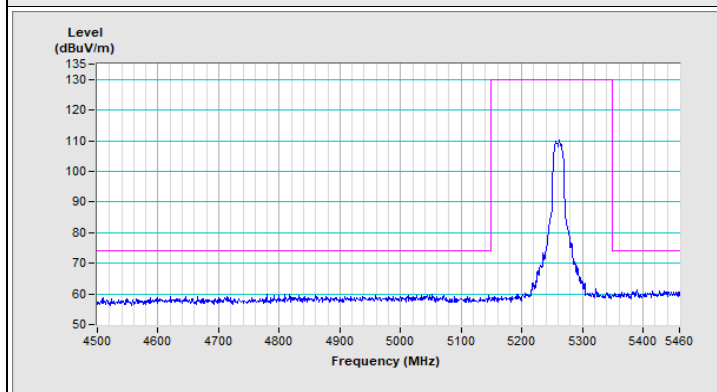
Vertical (Peak)



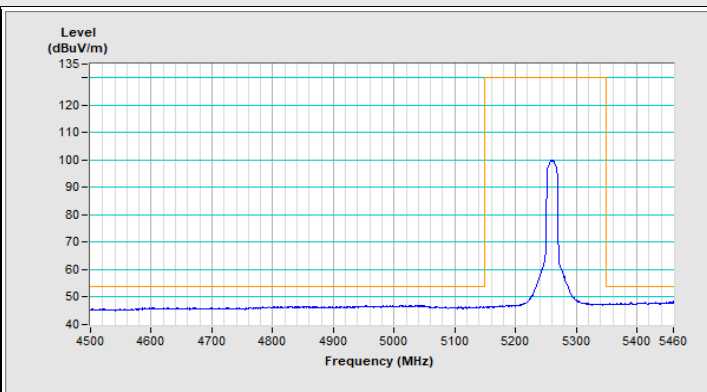
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

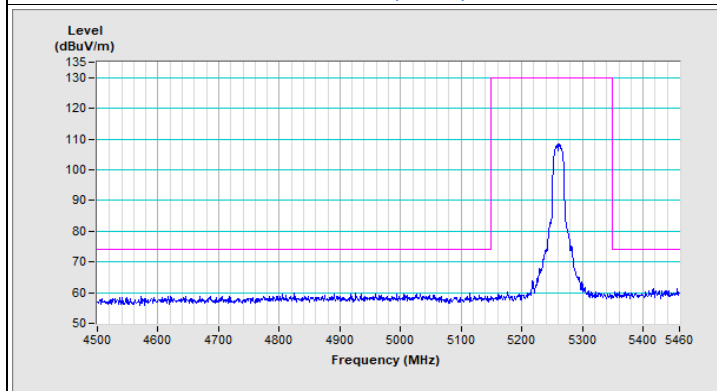
802.11a Channel 52



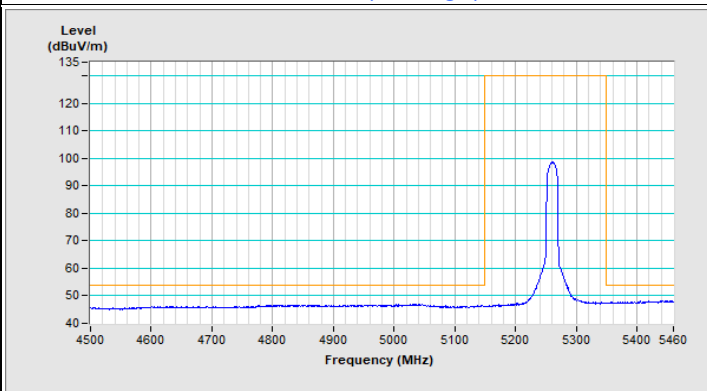
Horizontal (Peak)



Horizontal (Average)

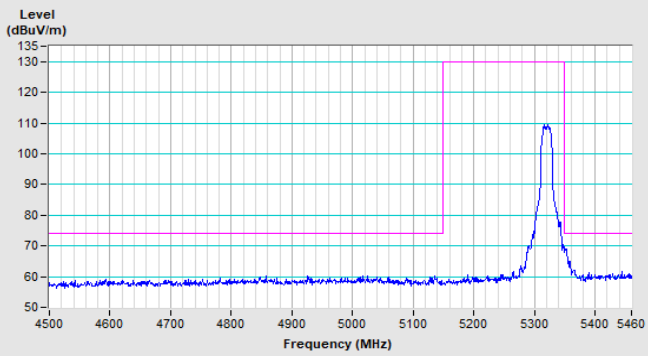


Vertical (Peak)

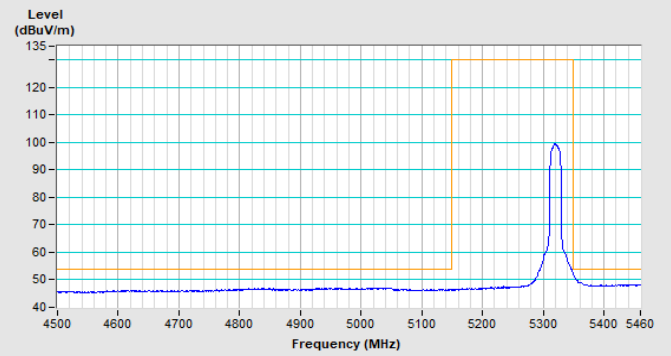


Vertical (Average)

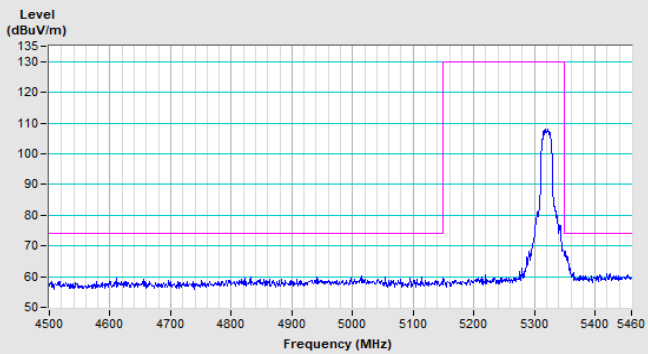
802.11a Channel 64



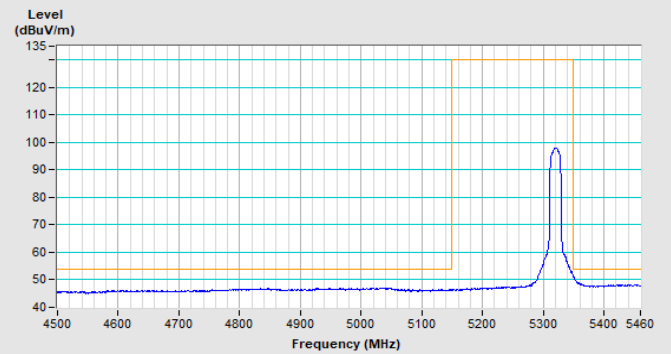
Horizontal (Peak)



Horizontal (Average)



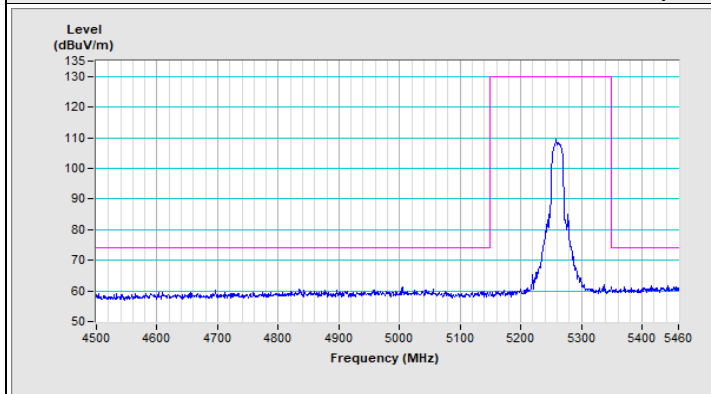
Vertical (Peak)



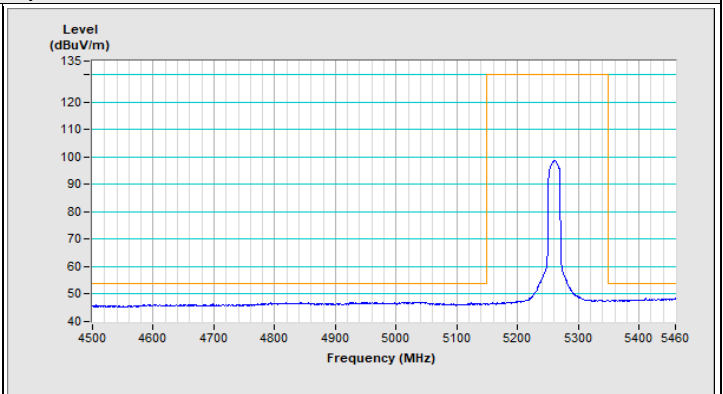
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

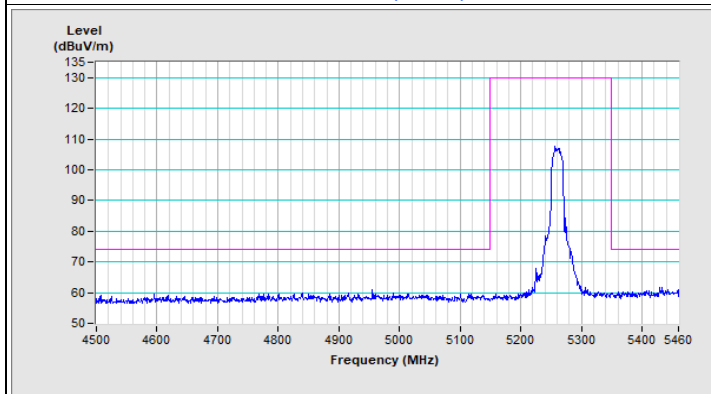
802.11ac (VHT20) Channel 52



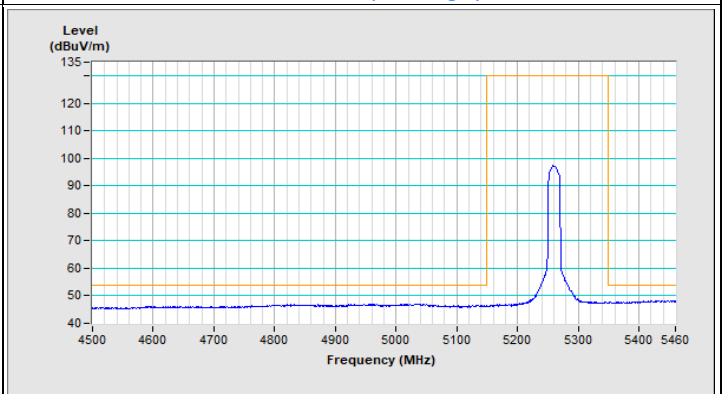
Horizontal (Peak)



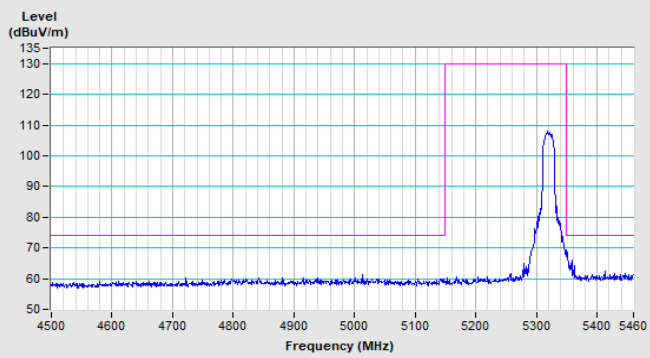
Horizontal (Average)



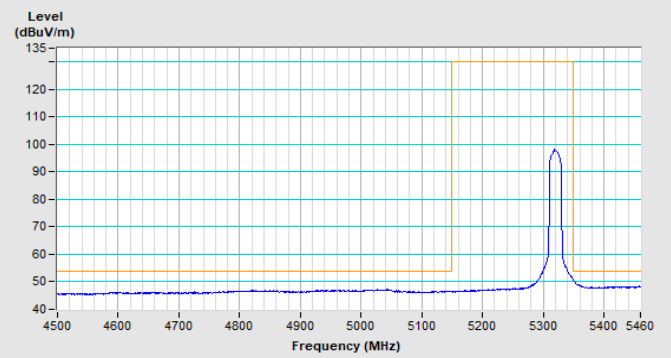
Vertical (Peak)



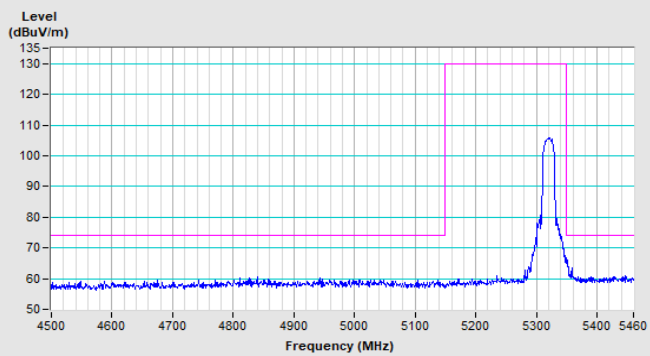
Vertical (Average)

802.11ac (VHT20) Channel 64

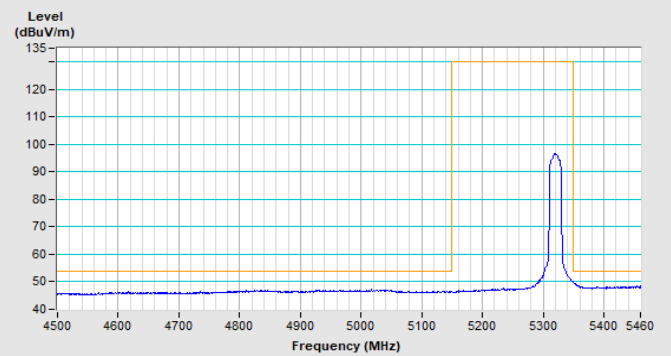
Horizontal (Peak)



Horizontal (Average)



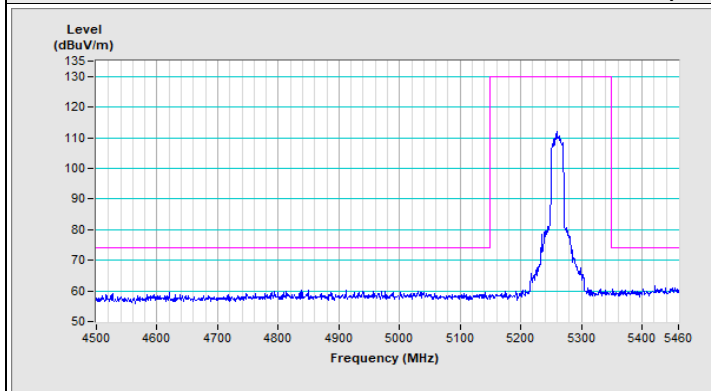
Vertical (Peak)



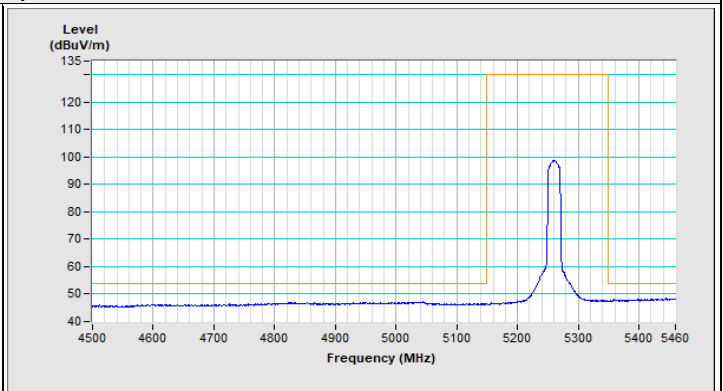
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

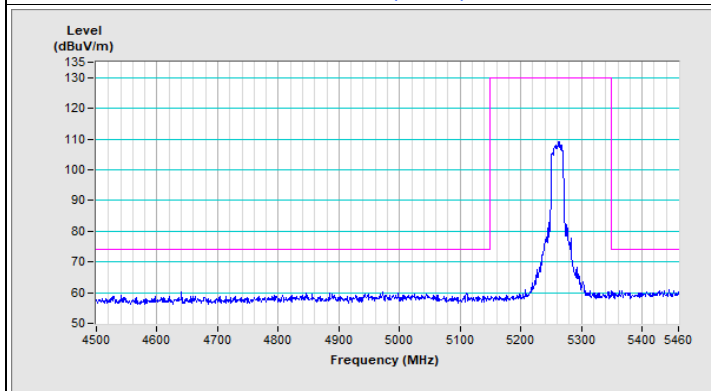
802.11ax (HE20) Channel 52



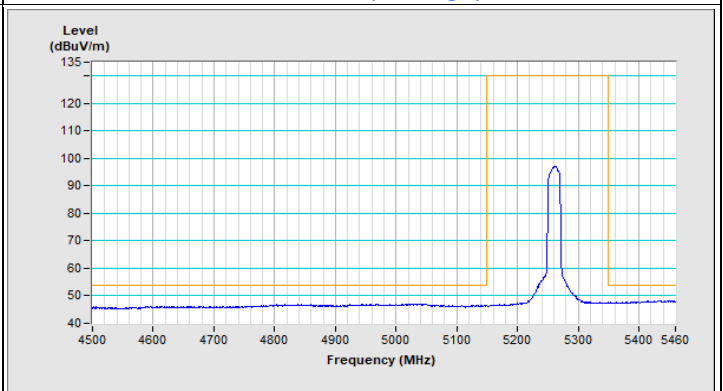
Horizontal (Peak)



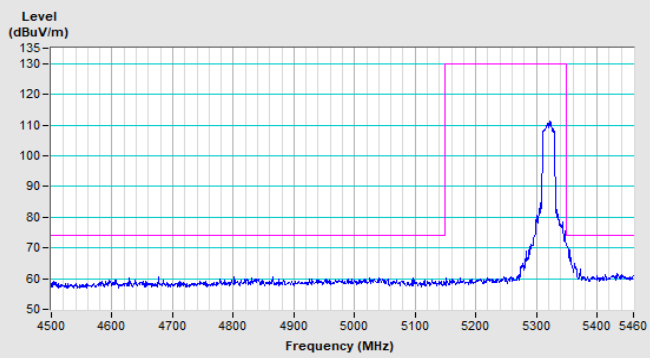
Horizontal (Average)



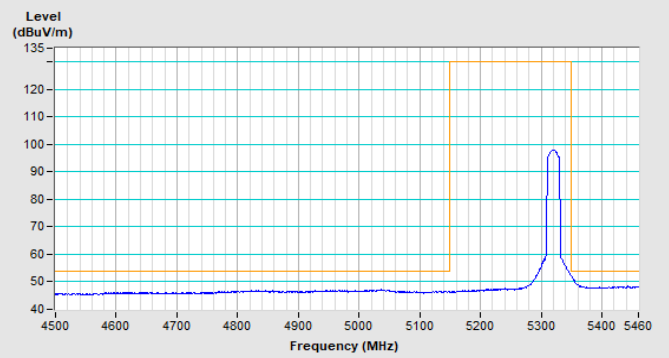
Vertical (Peak)



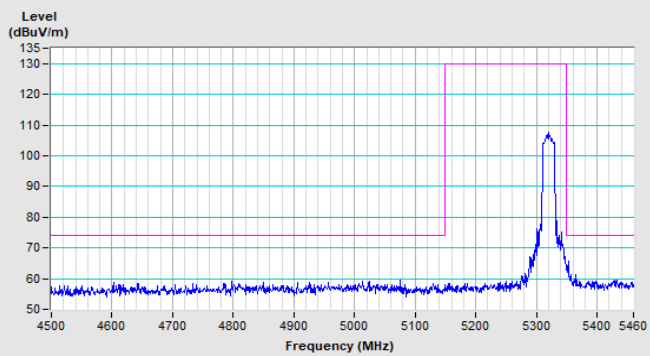
Vertical (Average)

802.11ax (HE20) Channel 64

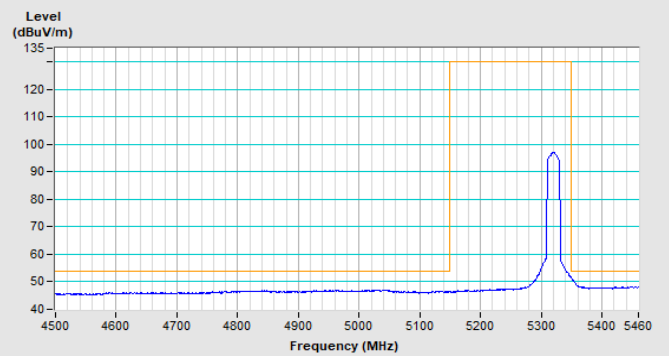
Horizontal (Peak)



Horizontal (Average)



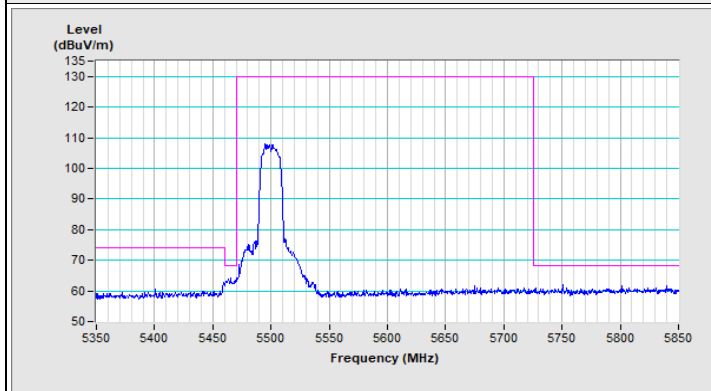
Vertical (Peak)



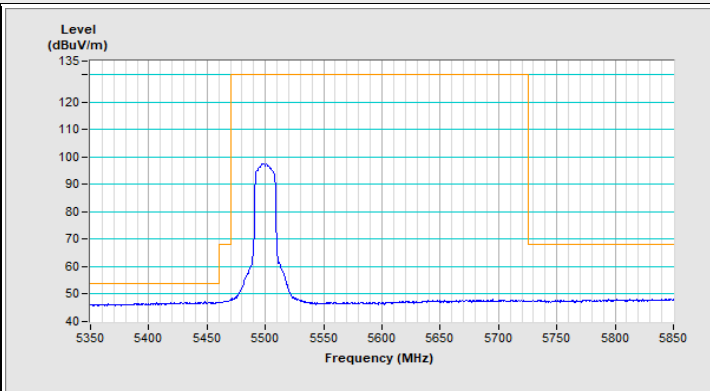
Vertical (Average)

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
-----------------	---------------------	-------------------------------	--

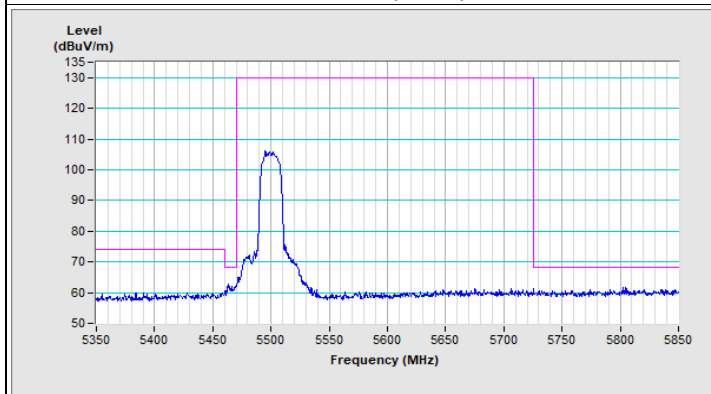
802.11a Channel 100



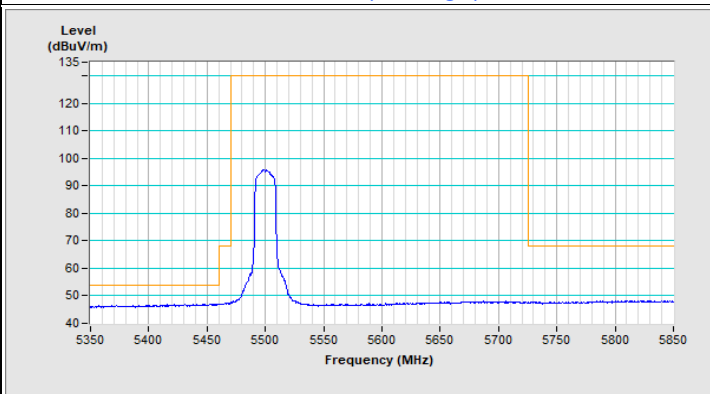
Horizontal (Peak)



Horizontal (Average)

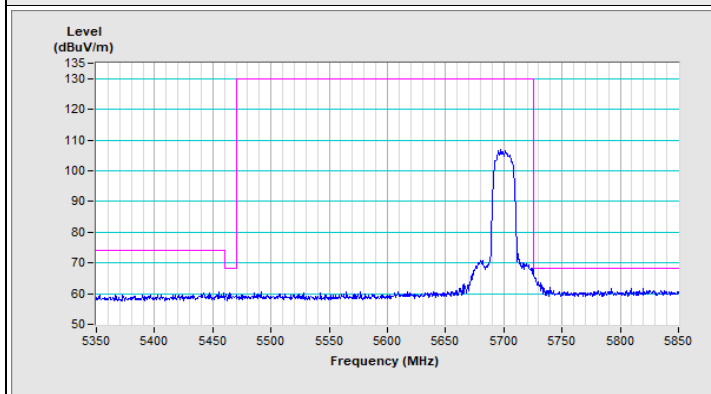


Vertical (Peak)

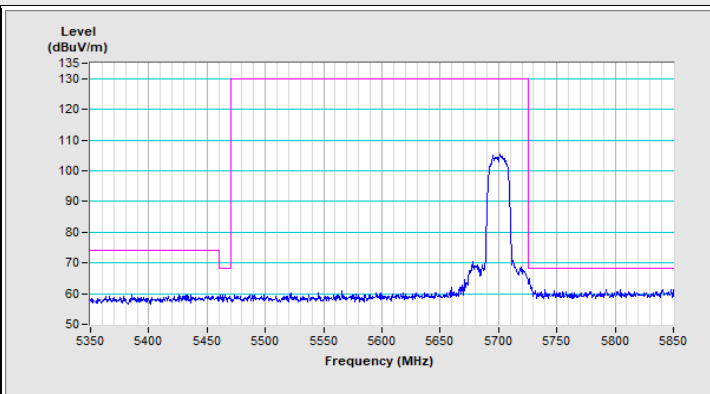


Vertical (Average)

802.11a Channel 140



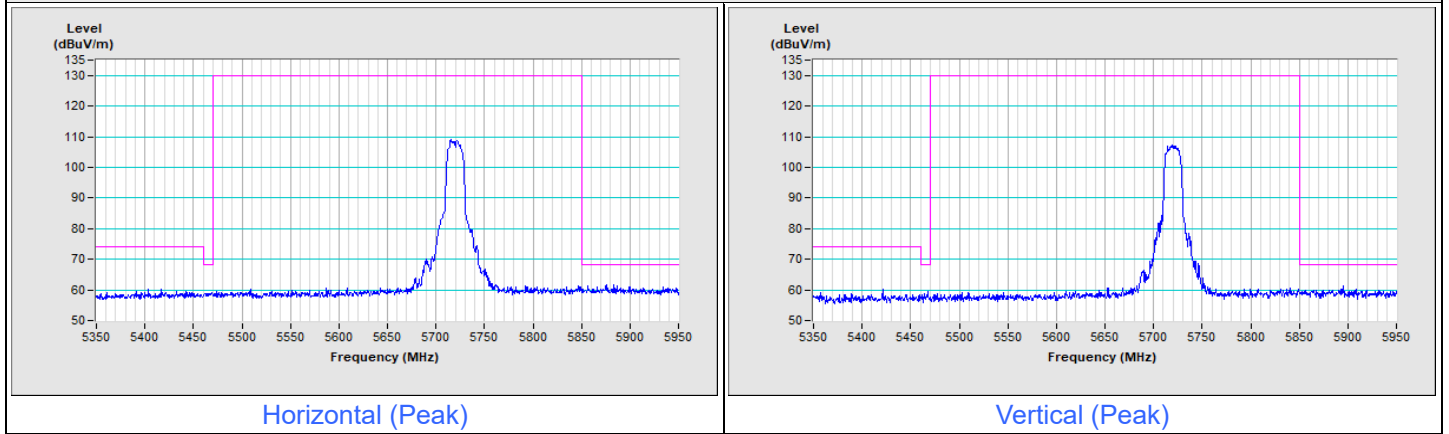
Horizontal (Peak)



Vertical (Peak)

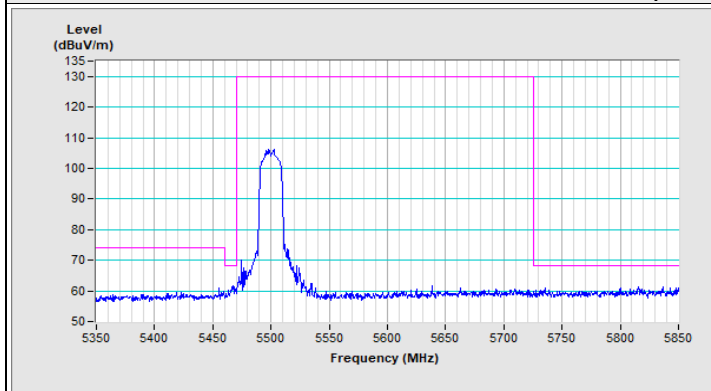
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

802.11a Channel 144

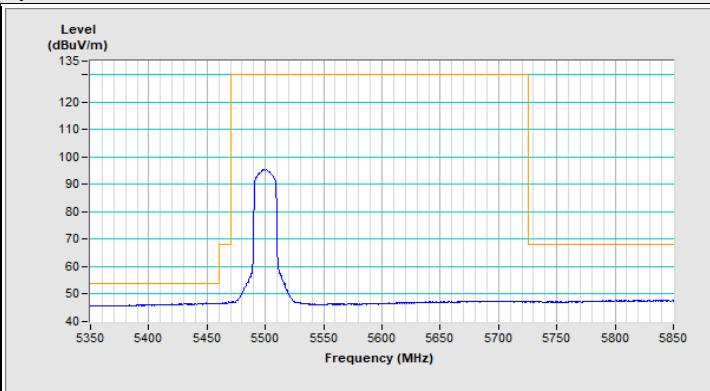


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

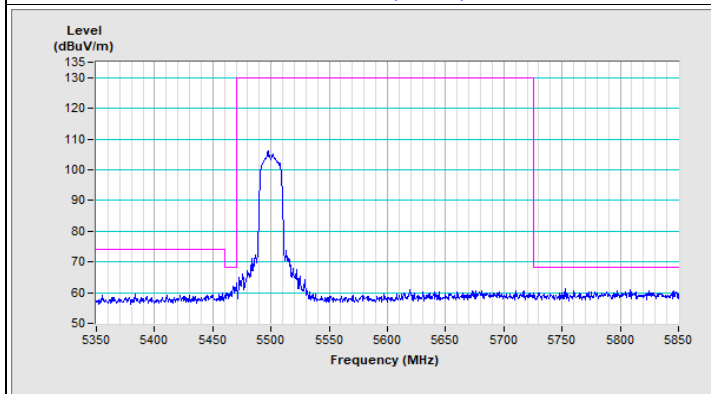
802.11ac (VHT20) Channel 100



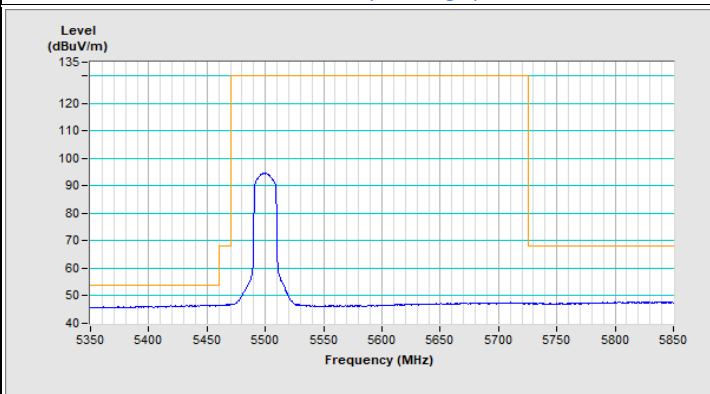
Horizontal (Peak)



Horizontal (Average)

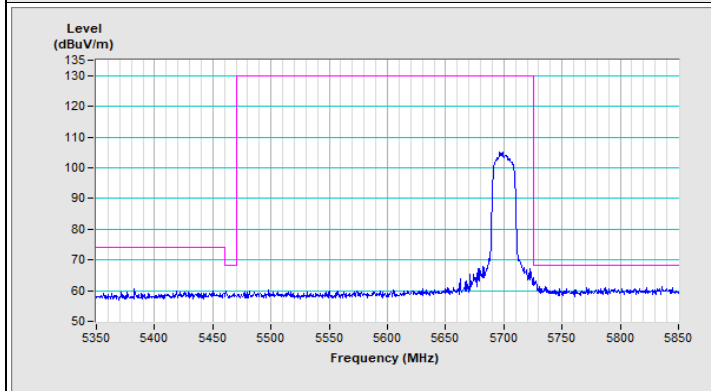


Vertical (Peak)

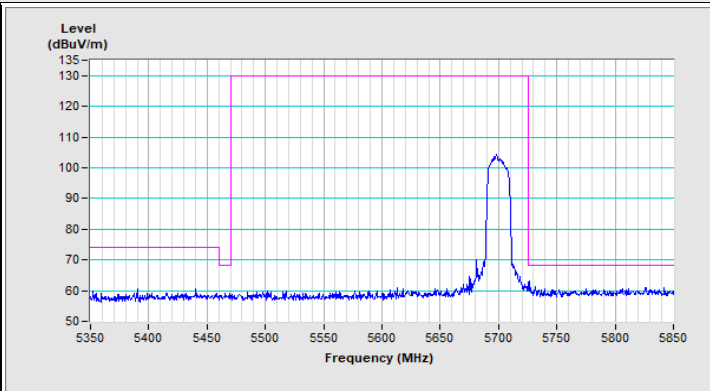


Vertical (Average)

802.11ac (VHT20) Channel 140



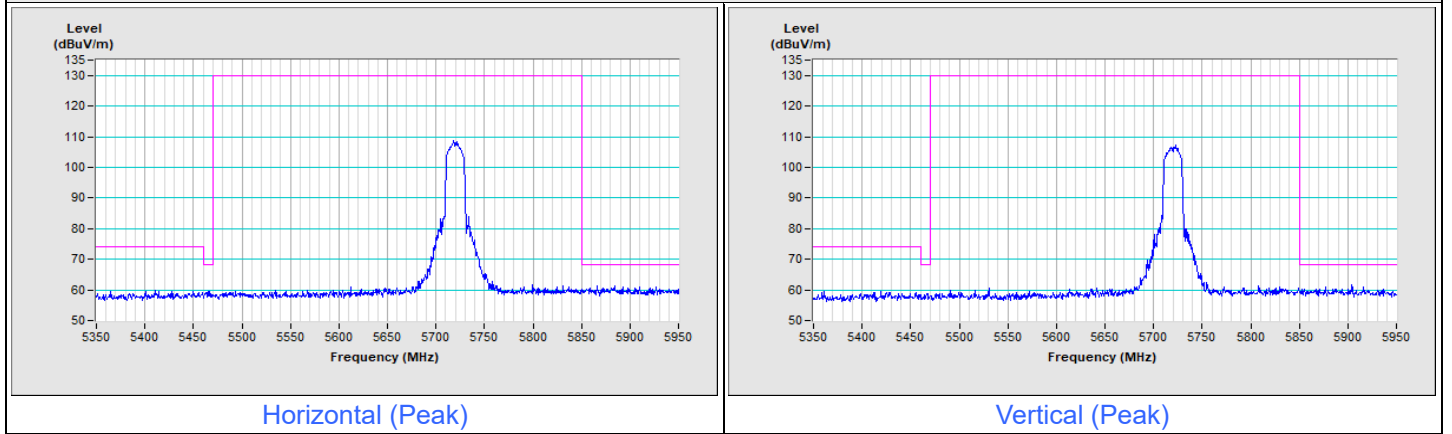
Horizontal (Peak)



Vertical (Peak)

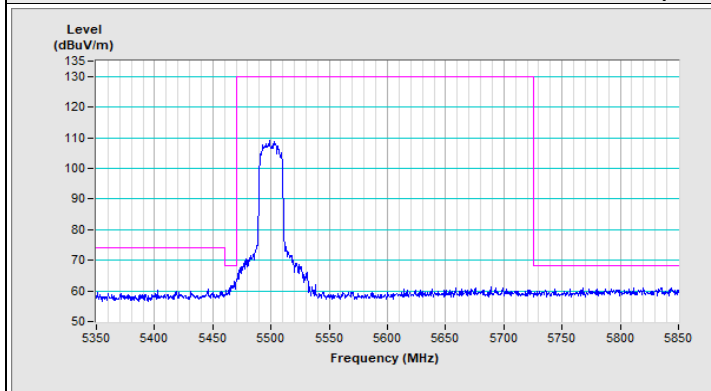
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

802.11ac (VHT20) Channel 144

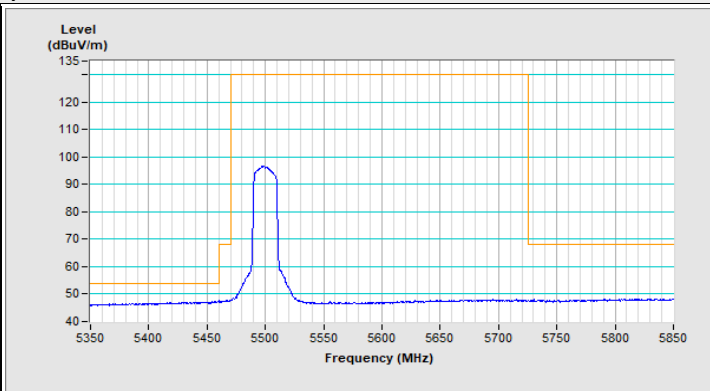


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

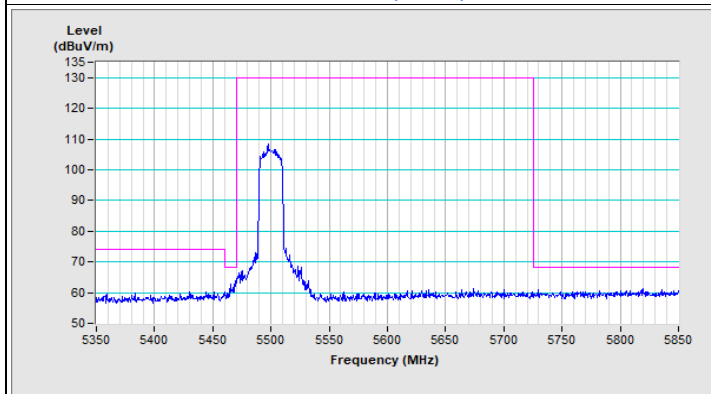
802.11ax (HE20) Channel 100



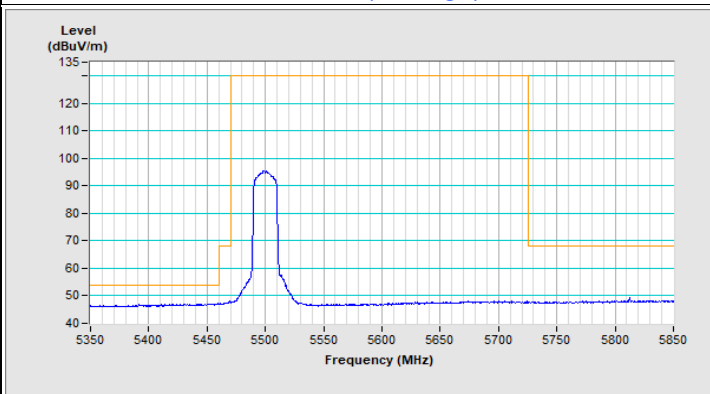
Horizontal (Peak)



Horizontal (Average)

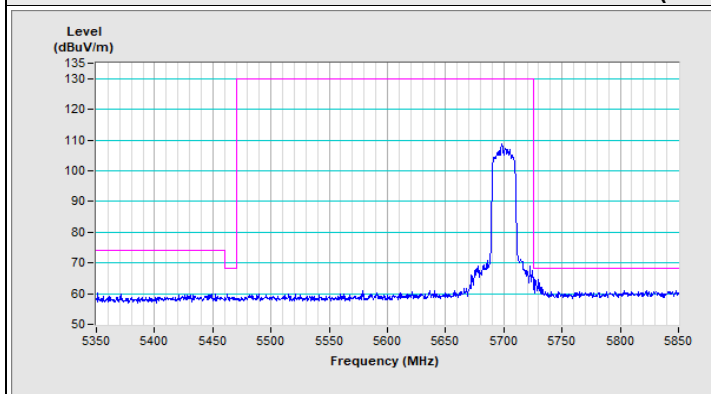


Vertical (Peak)

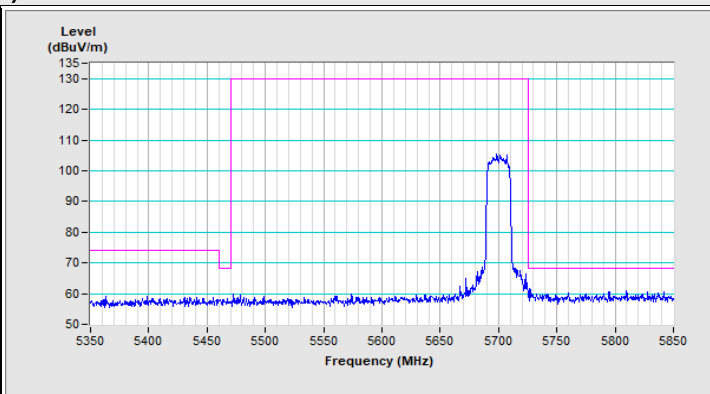


Vertical (Average)

802.11ax (HE20) Channel 140



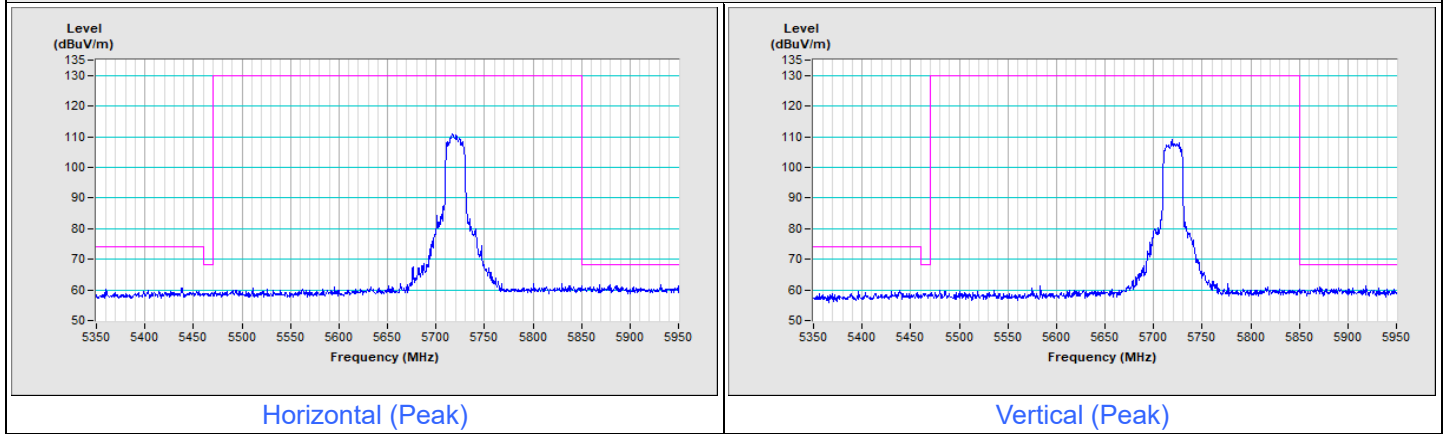
Horizontal (Peak)



Vertical (Peak)

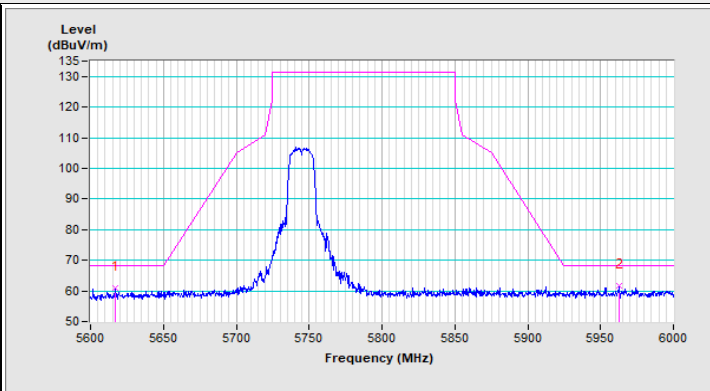
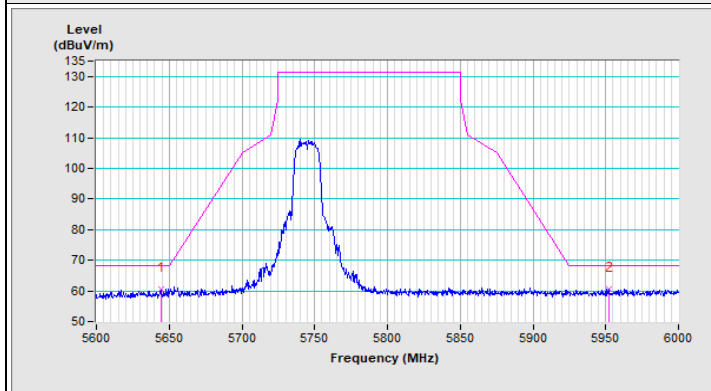
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

802.11ax (HE20) Channel 144

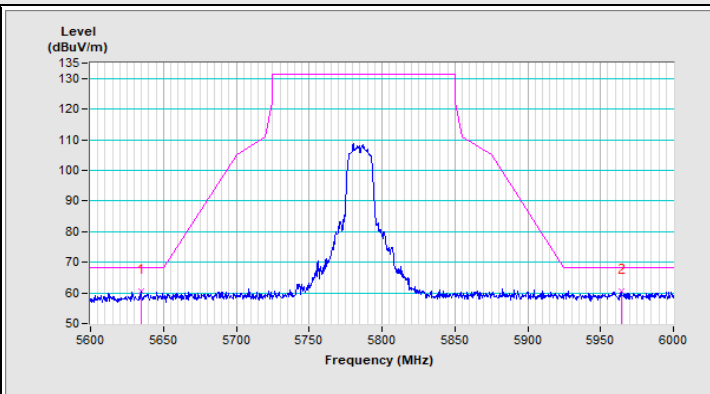
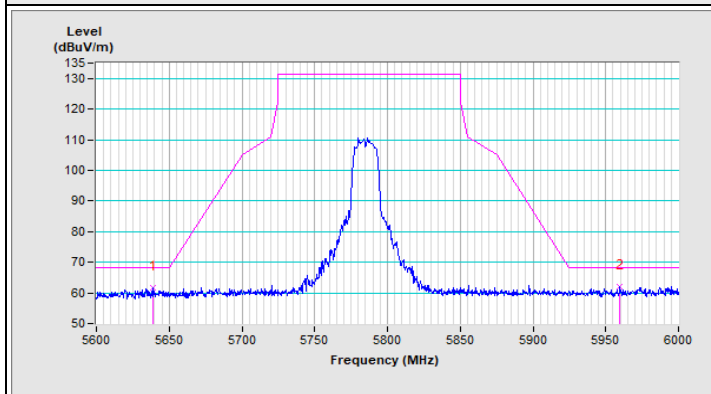


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------

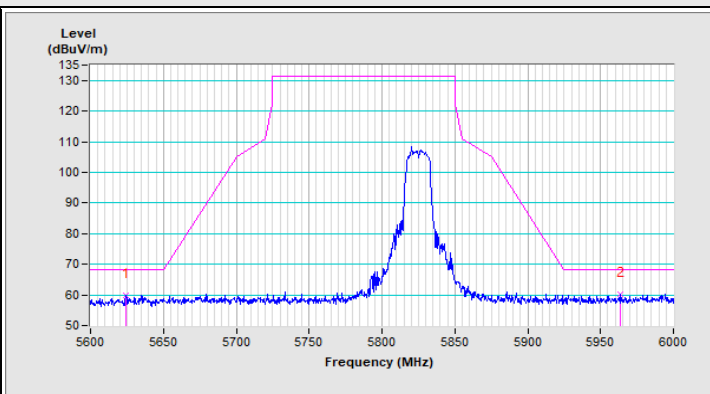
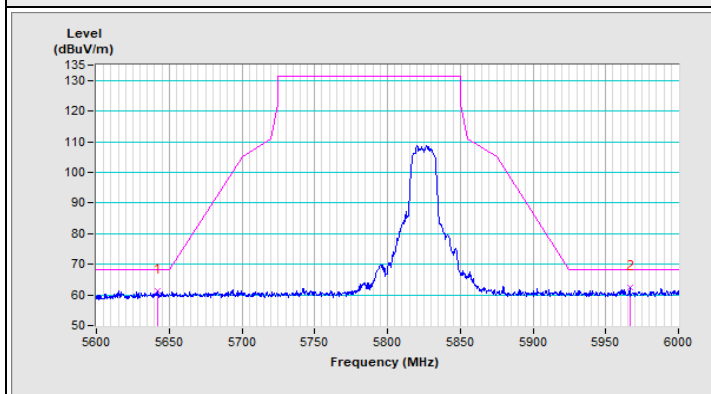
802.11a Channel 149



802.11a Channel 157

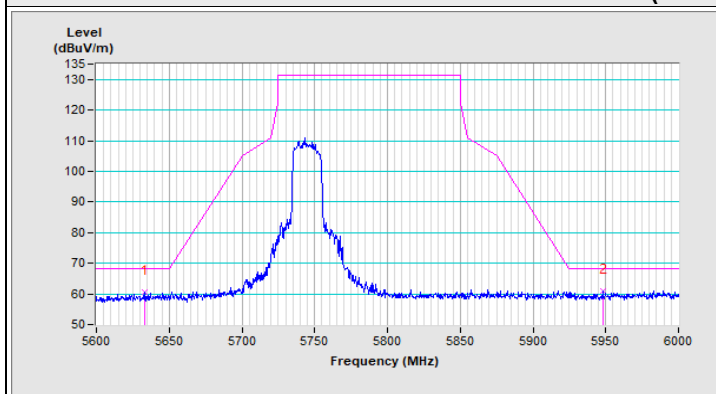


802.11a Channel 165

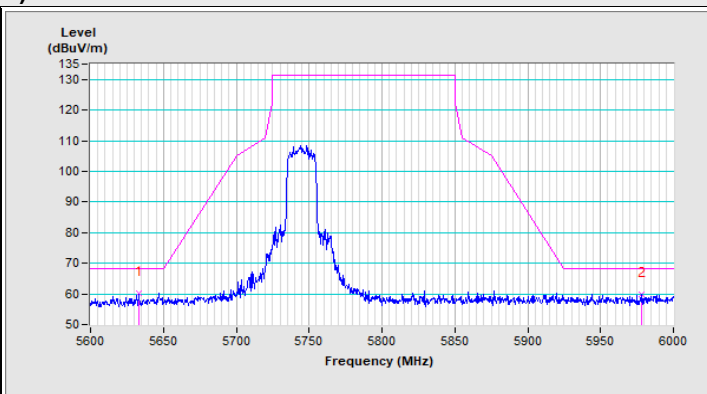


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------

802.11ac (VHT20) Channel 149

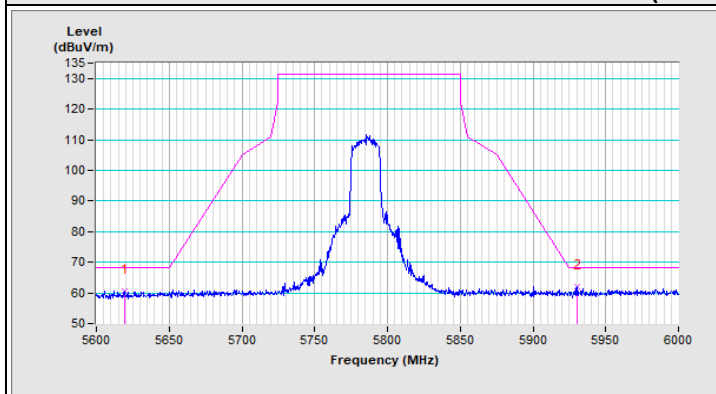


Horizontal (Peak)

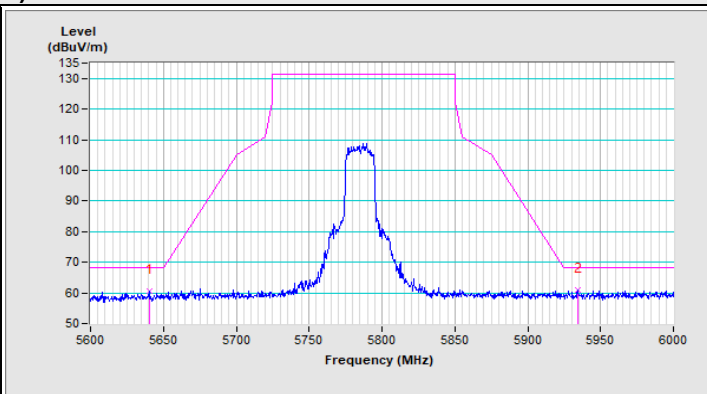


Vertical (Peak)

802.11ac (VHT20) Channel 157

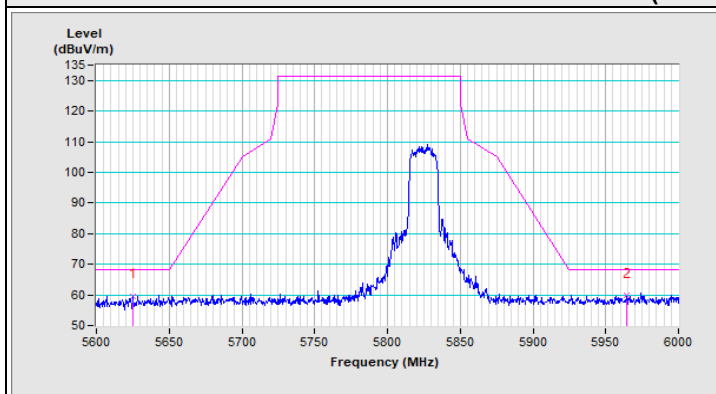


Horizontal (Peak)

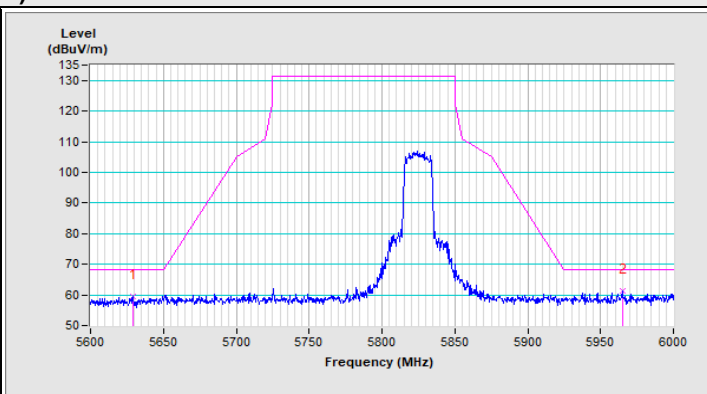


Vertical (Peak)

802.11ac (VHT20) Channel 165



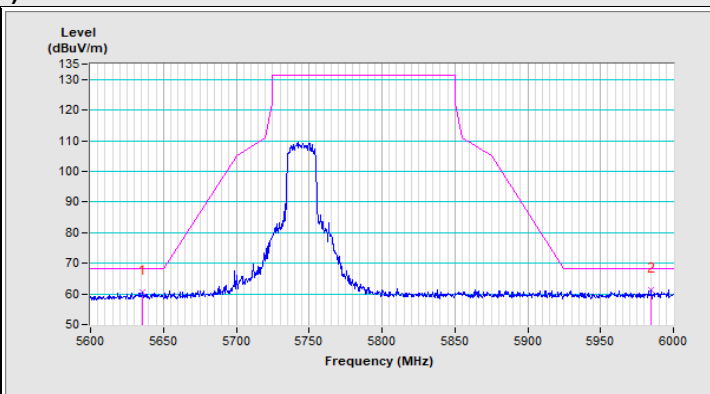
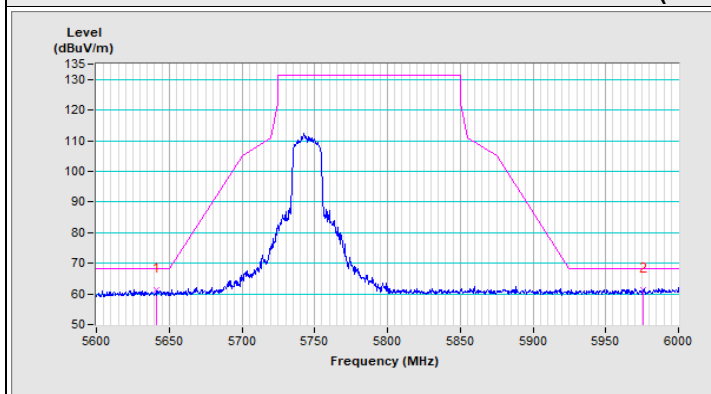
Horizontal (Peak)



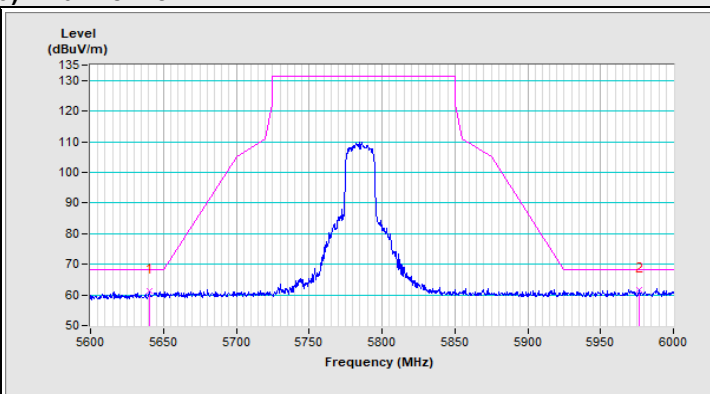
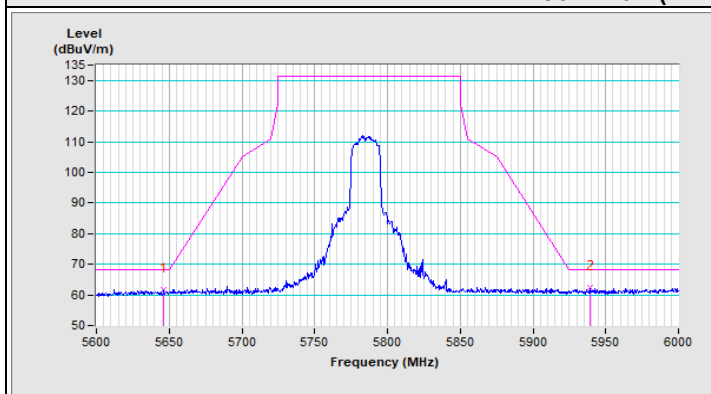
Vertical (Peak)

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

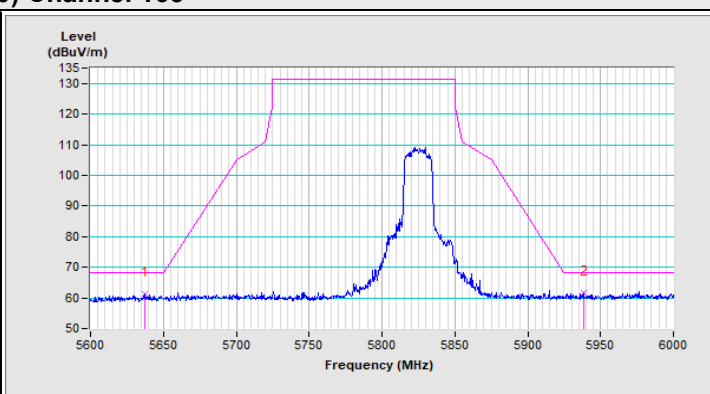
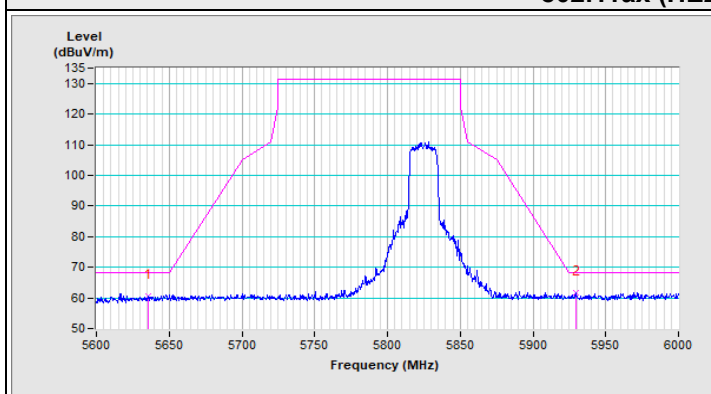
802.11ax (HE20) Channel 144



802.11ax (HE20) Channel 157



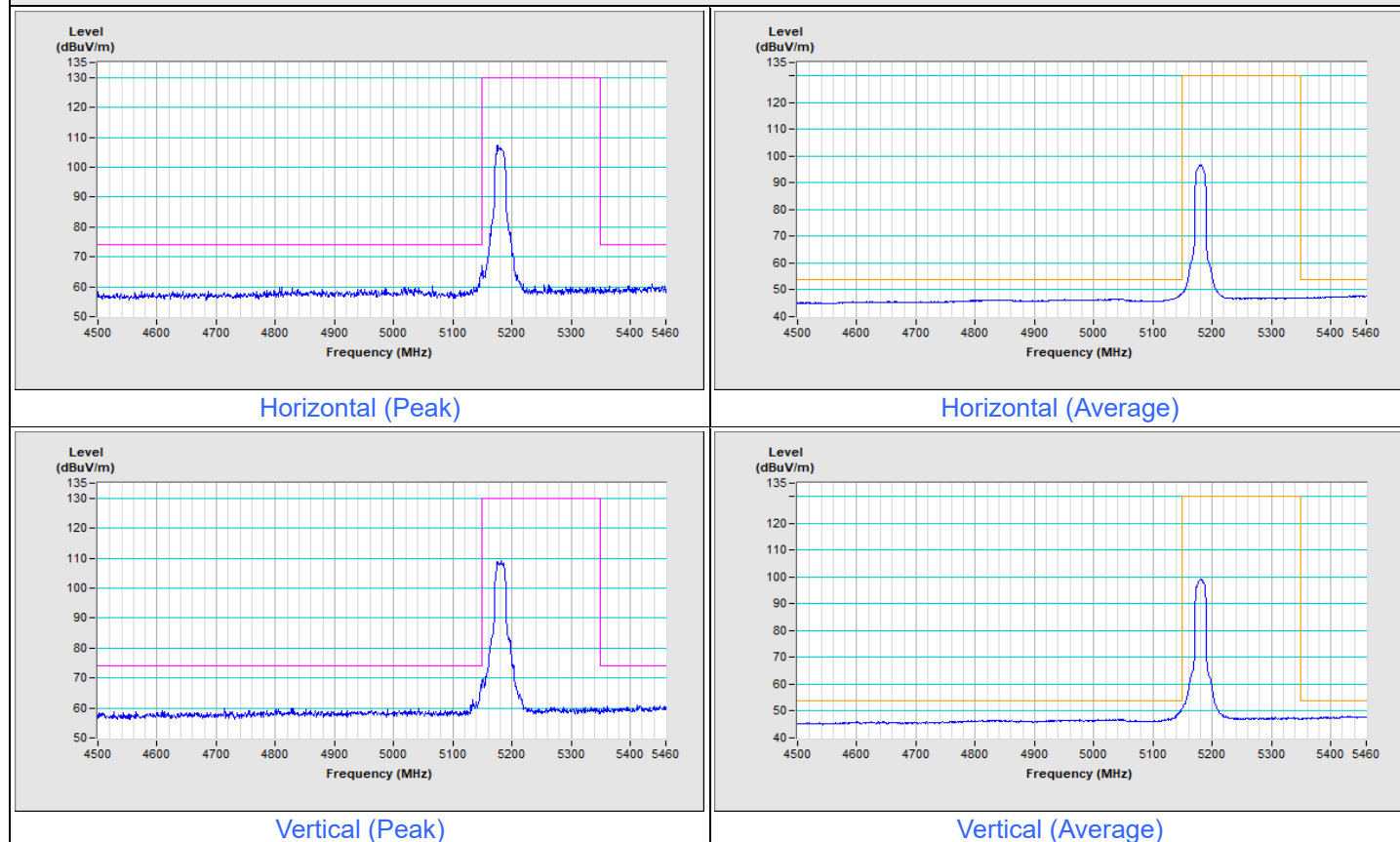
802.11ax (HE20) Channel 165

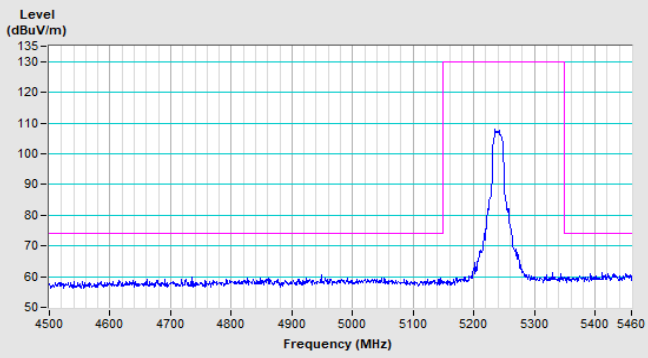


Mode B

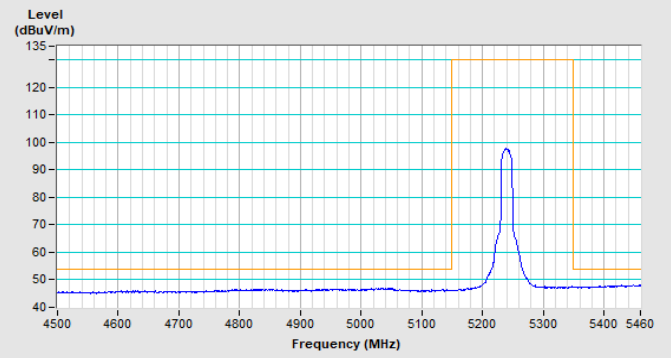
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	--------------------	-------------------------------	--

802.11a Channel 36

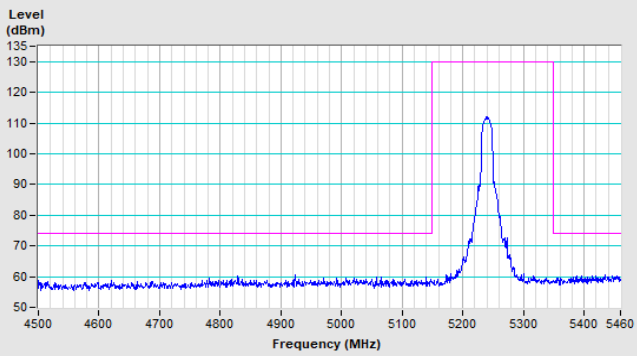


802.11a Channel 48

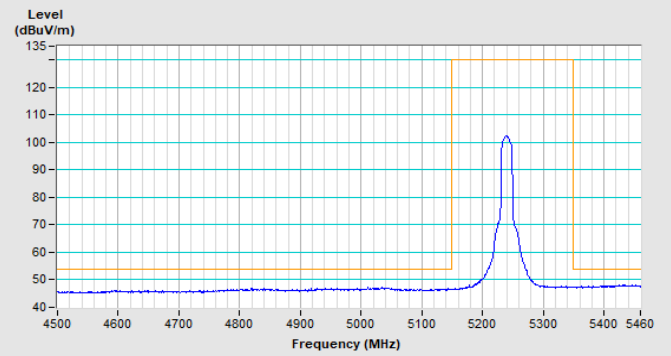
Horizontal (Peak)



Horizontal (Average)



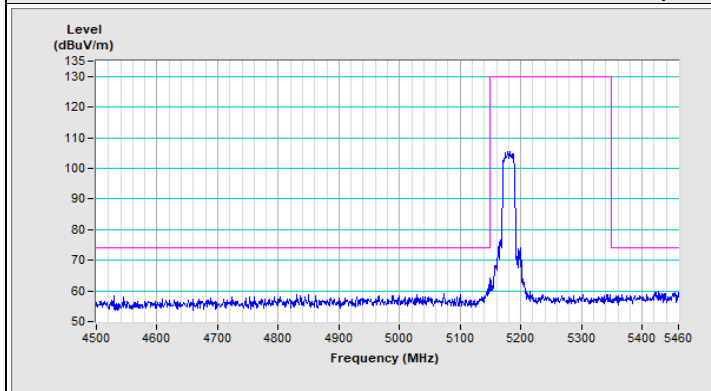
Vertical (Peak)



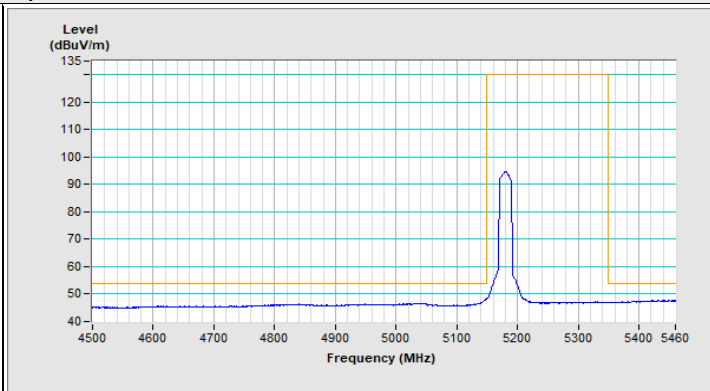
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

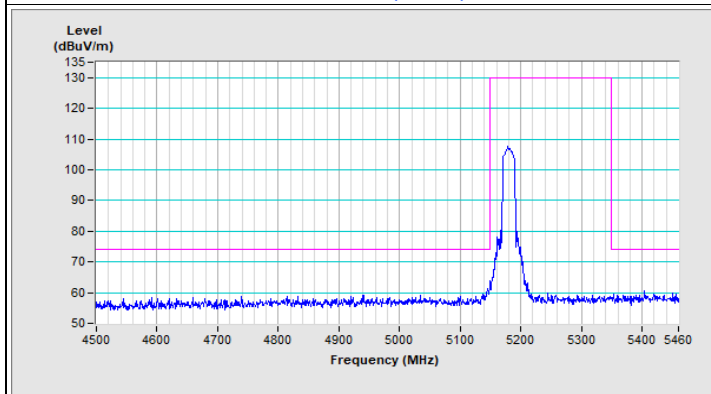
802.11ac (VHT20) Channel 36



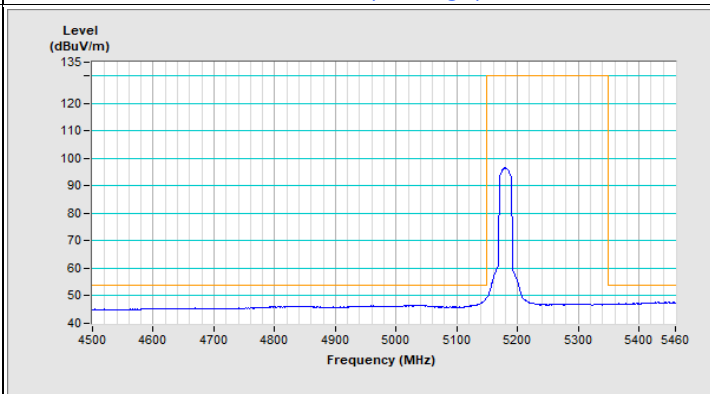
Horizontal (Peak)



Horizontal (Average)

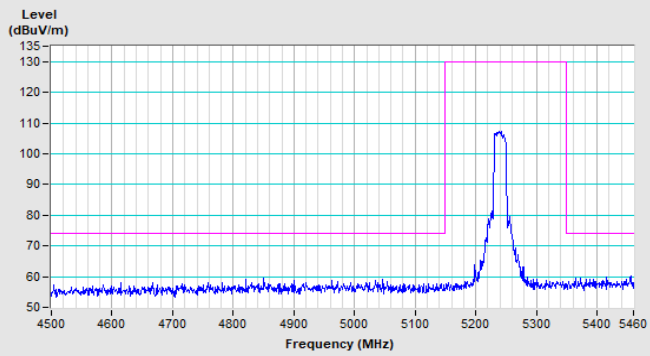


Vertical (Peak)

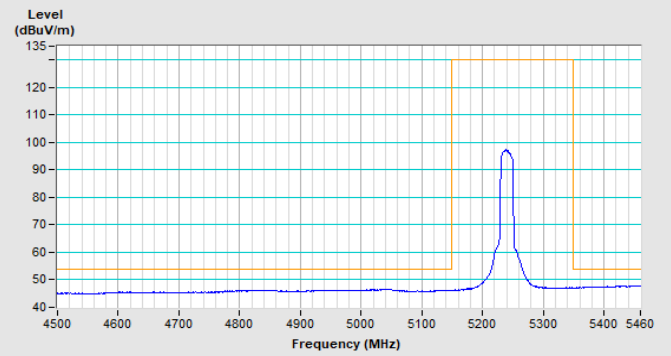


Vertical (Average)

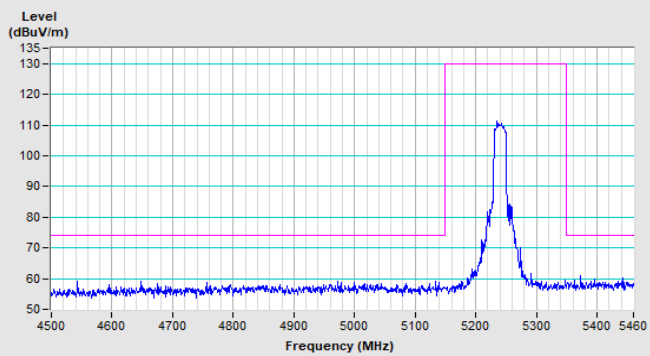
802.11ac (VHT20) Channel 48



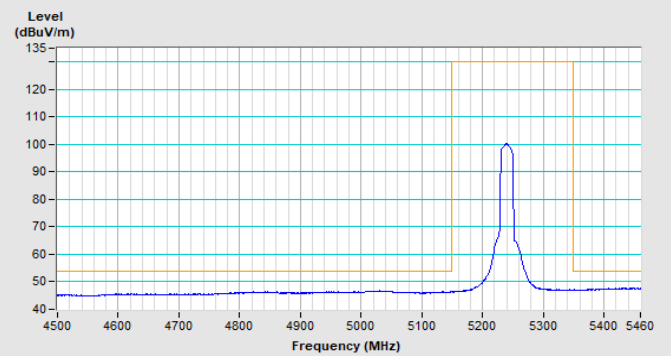
Horizontal (Peak)



Horizontal (Average)



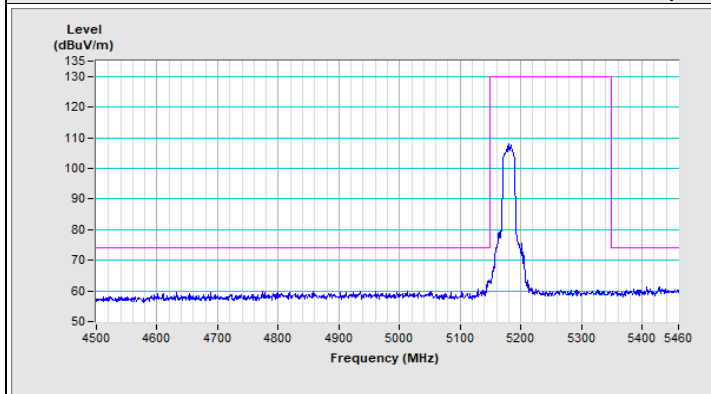
Vertical (Peak)



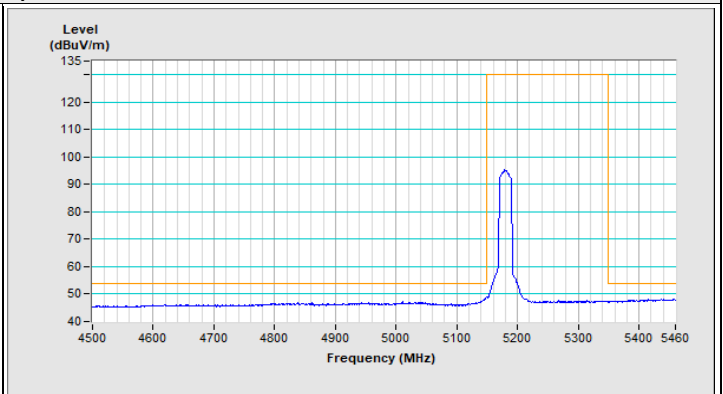
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

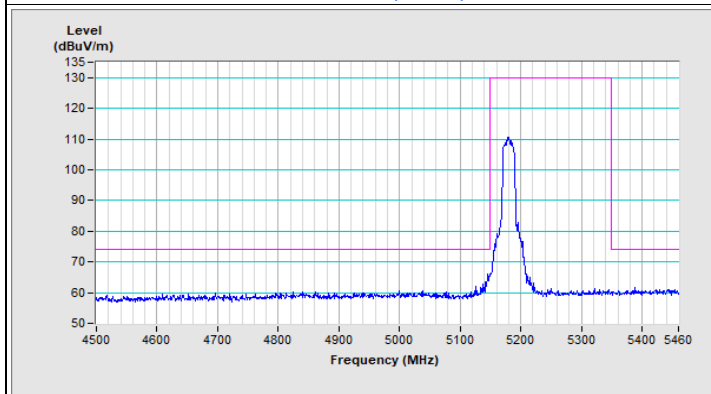
802.11ax (HE20) Channel 36



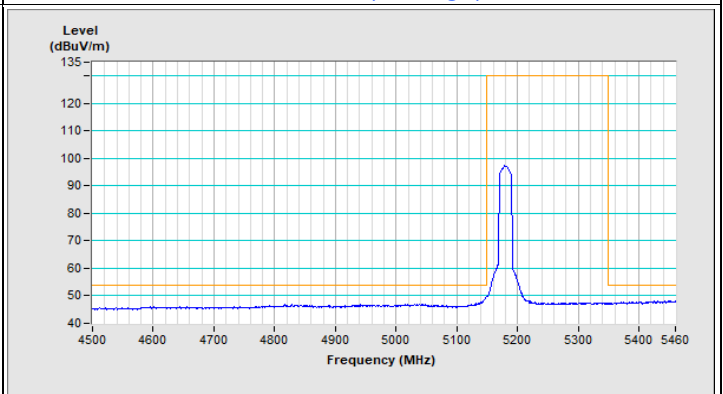
Horizontal (Peak)



Horizontal (Average)

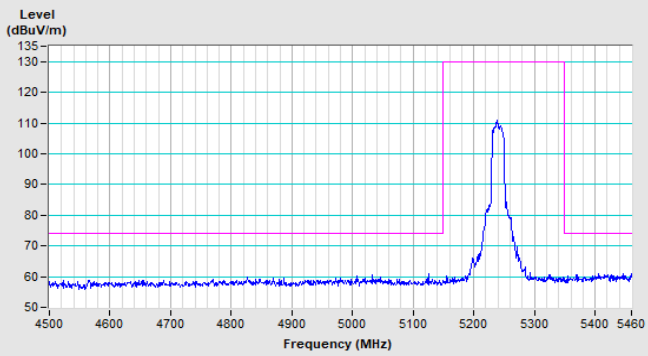


Vertical (Peak)

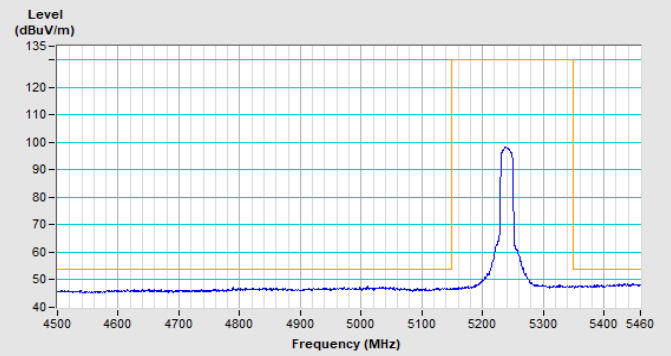


Vertical (Average)

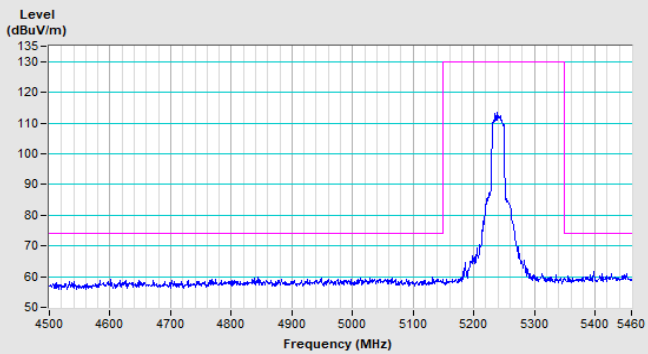
802.11ax (HE20) Channel 48



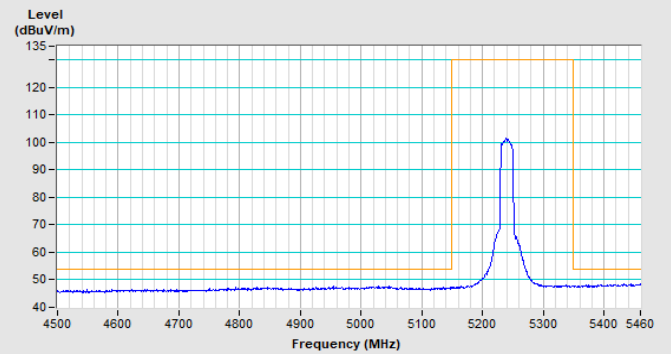
Horizontal (Peak)



Horizontal (Average)



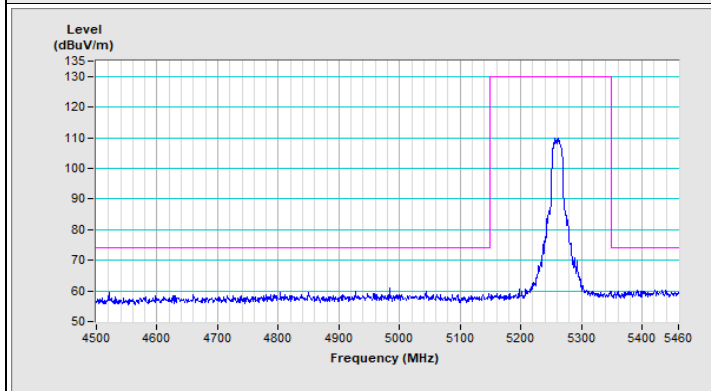
Vertical (Peak)



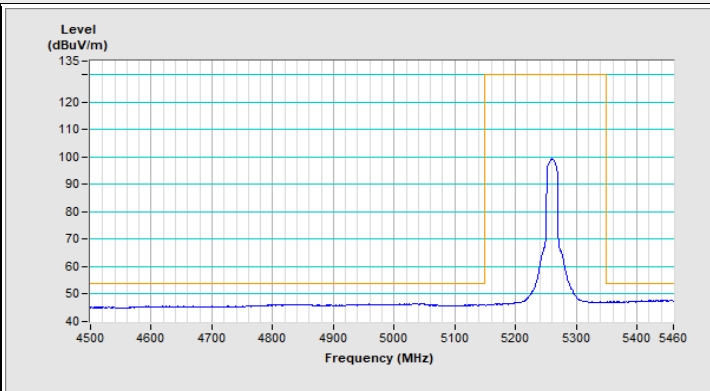
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

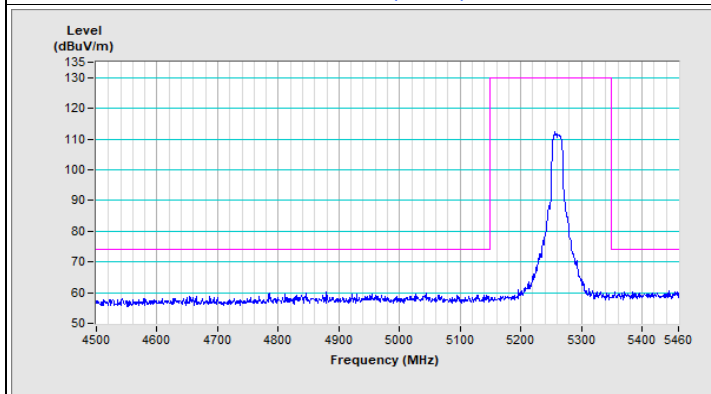
802.11a Channel 52



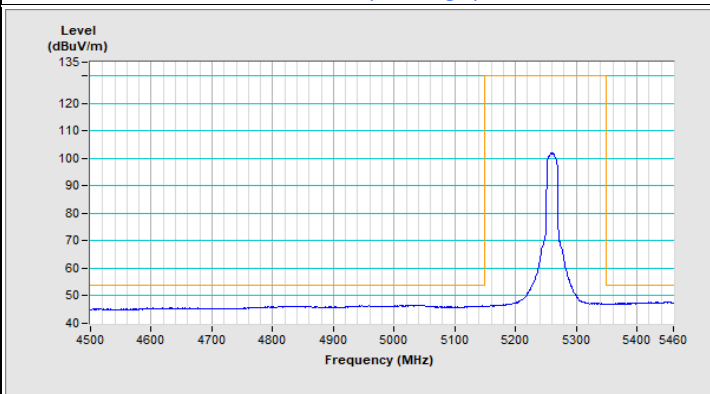
Horizontal (Peak)



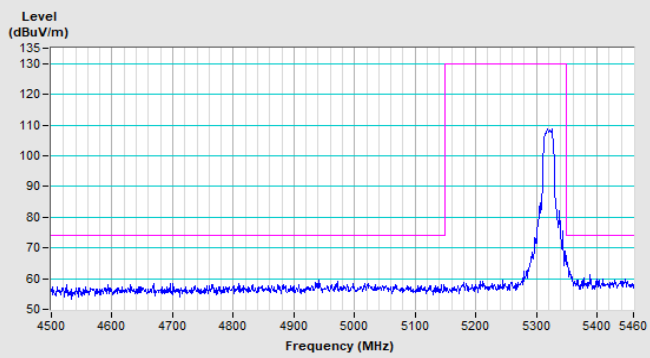
Horizontal (Average)



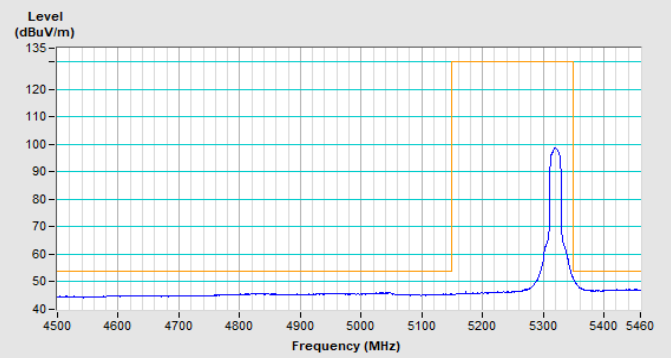
Vertical (Peak)



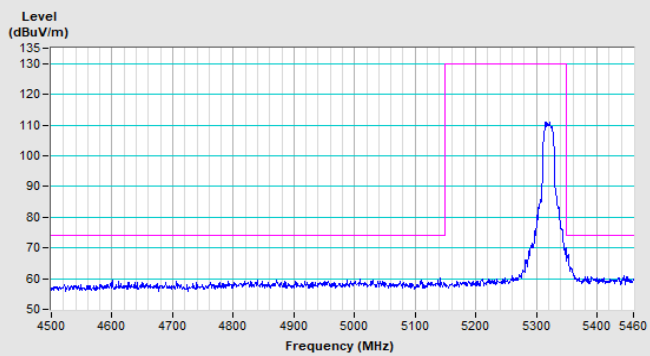
Vertical (Average)

802.11a Channel 64

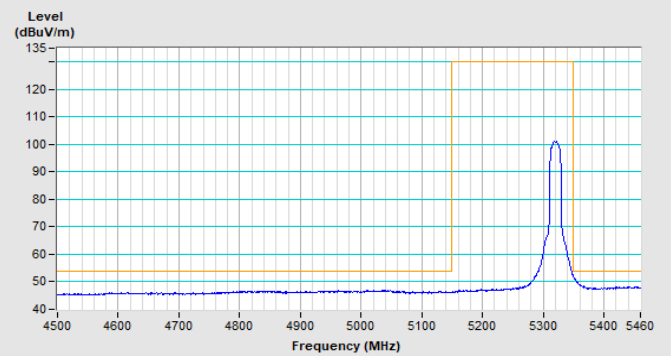
Horizontal (Peak)



Horizontal (Average)



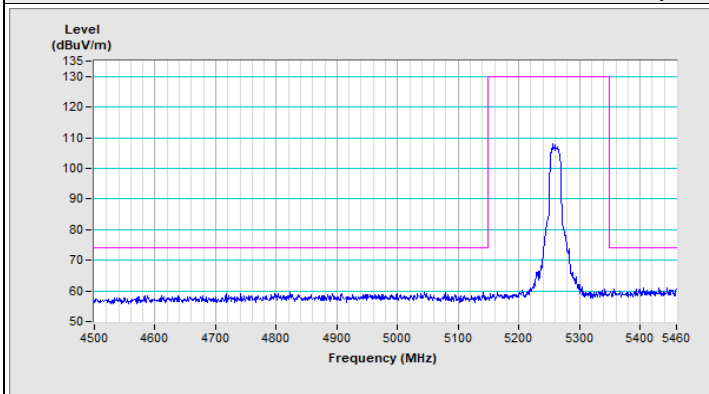
Vertical (Peak)



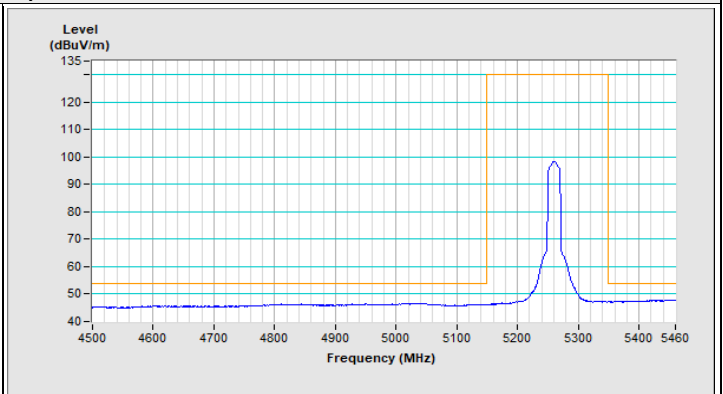
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

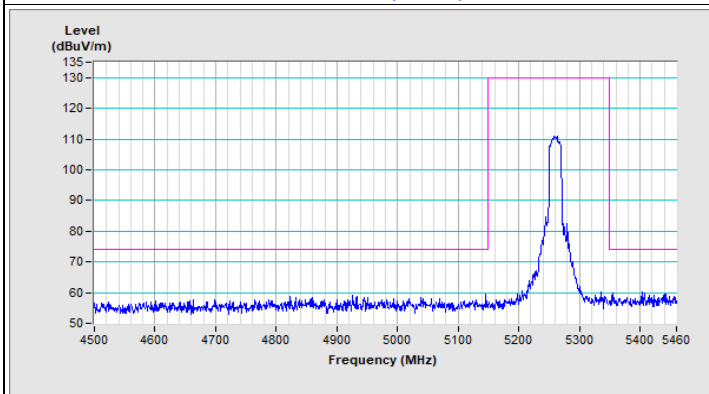
802.11ac (VHT20) Channel 52



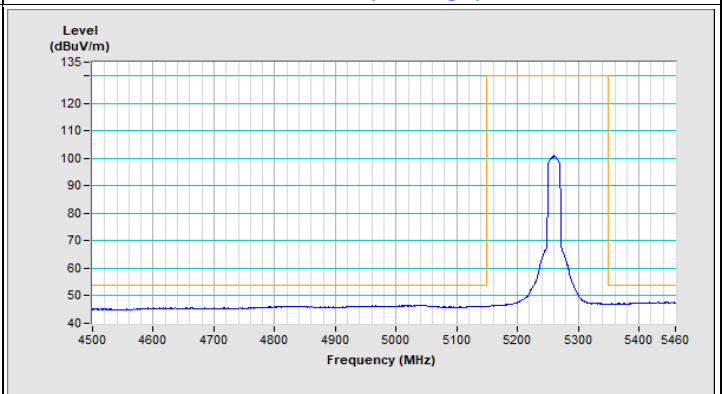
Horizontal (Peak)



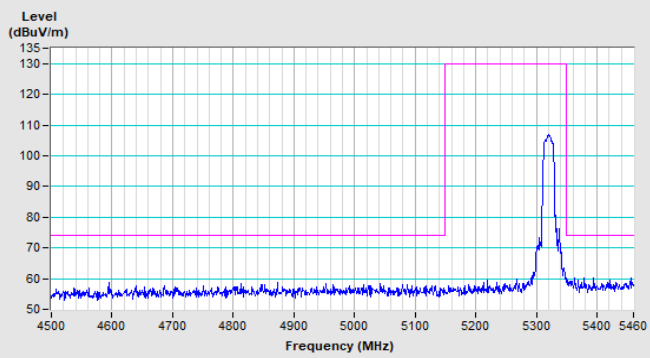
Horizontal (Average)



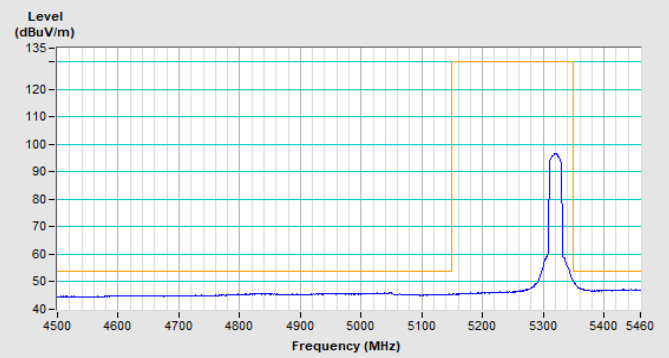
Vertical (Peak)



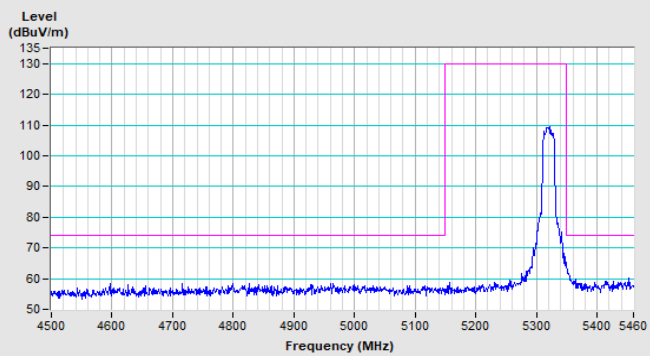
Vertical (Average)

802.11ac (VHT20) Channel 64

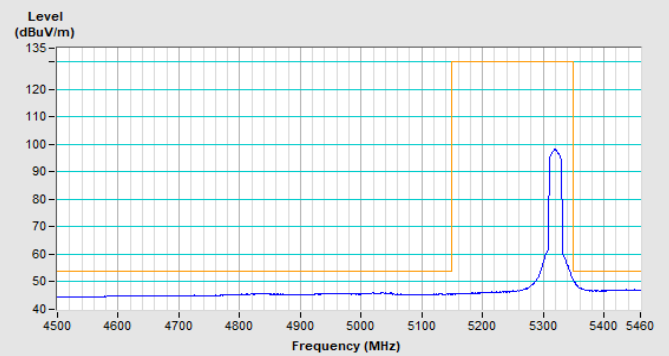
Horizontal (Peak)



Horizontal (Average)



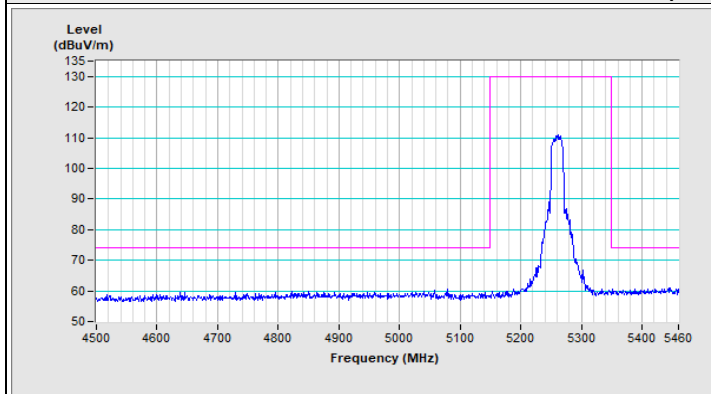
Vertical (Peak)



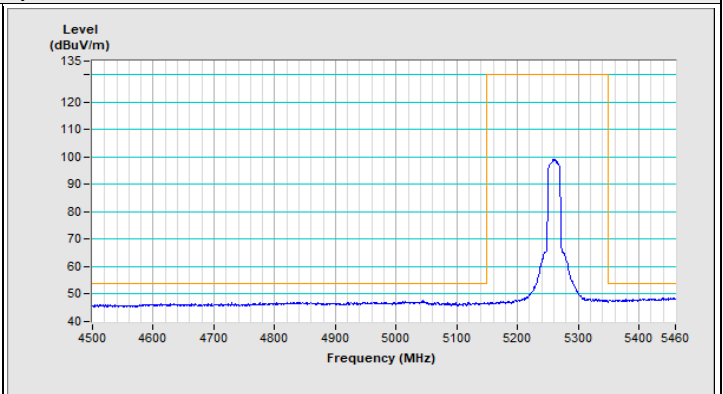
Vertical (Average)

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
-----------------	--------------------	-------------------------------	--

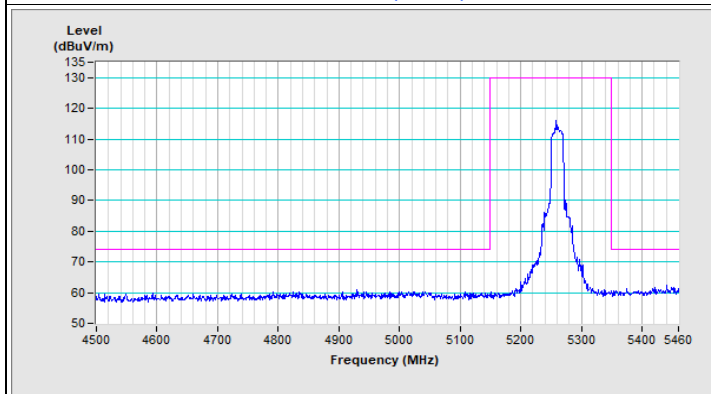
802.11ax (HE20) Channel 52



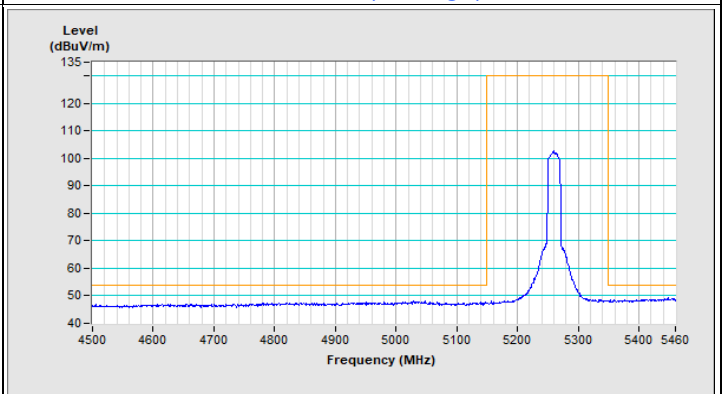
Horizontal (Peak)



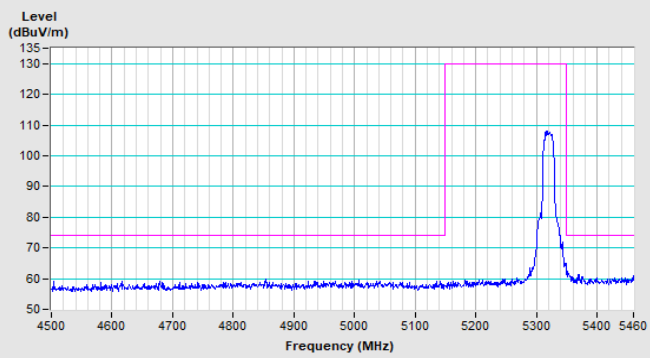
Horizontal (Average)



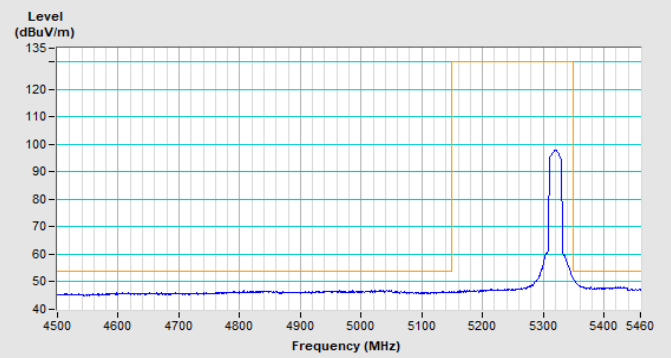
Vertical (Peak)



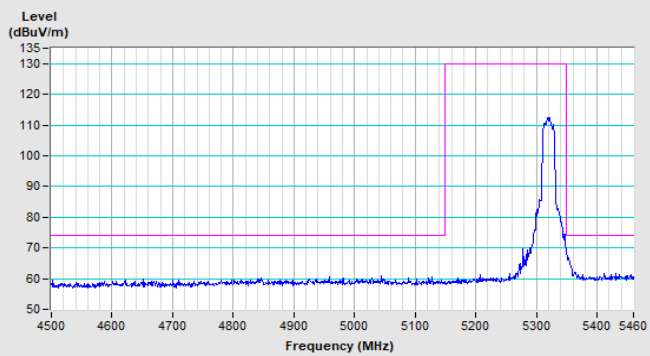
Vertical (Average)

802.11ax (HE20) Channel 64

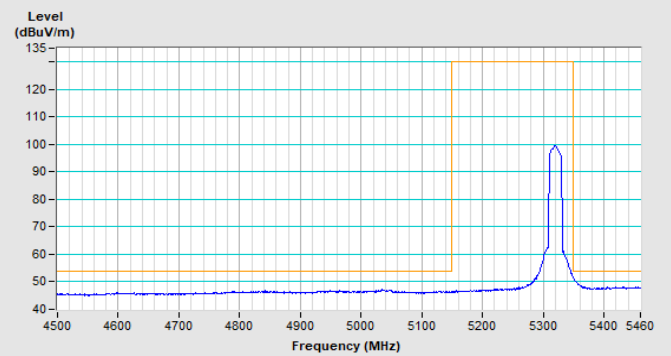
Horizontal (Peak)



Horizontal (Average)



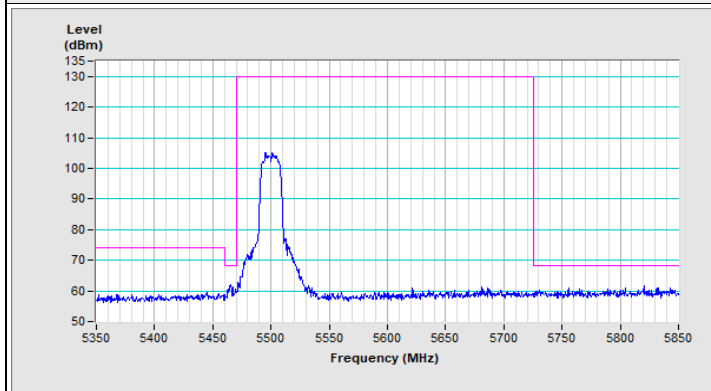
Vertical (Peak)



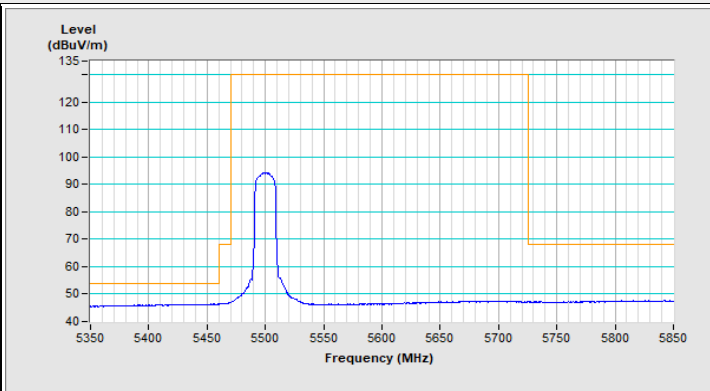
Vertical (Average)

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
-----------------	---------------------	-------------------------------	--

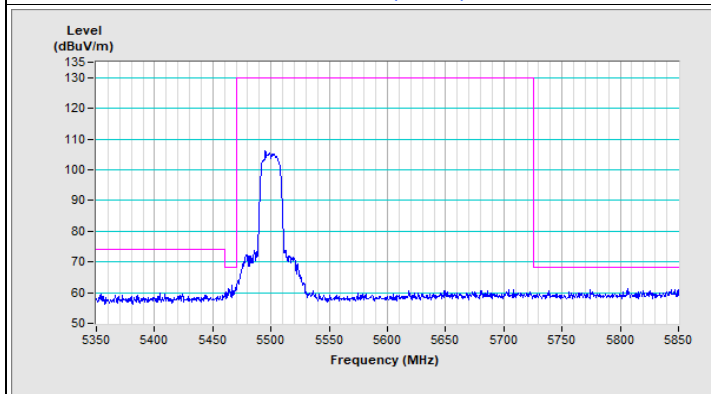
802.11a Channel 100



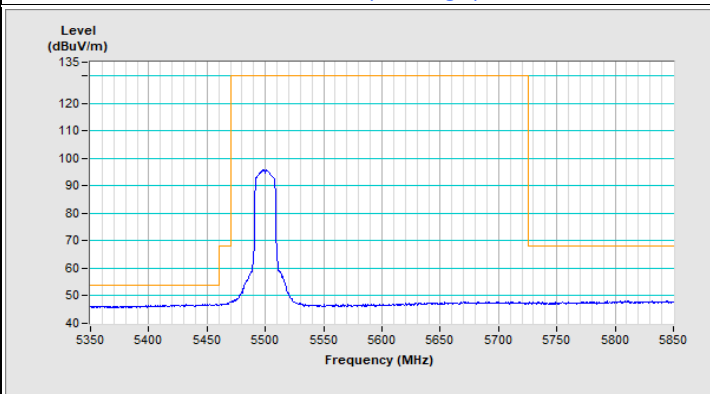
Horizontal (Peak)



Horizontal (Average)

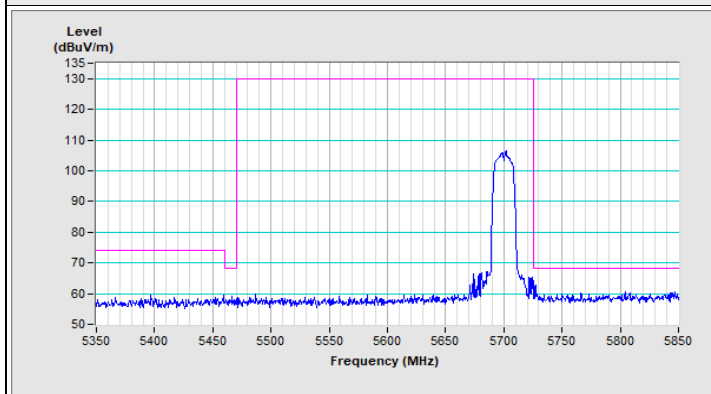


Vertical (Peak)

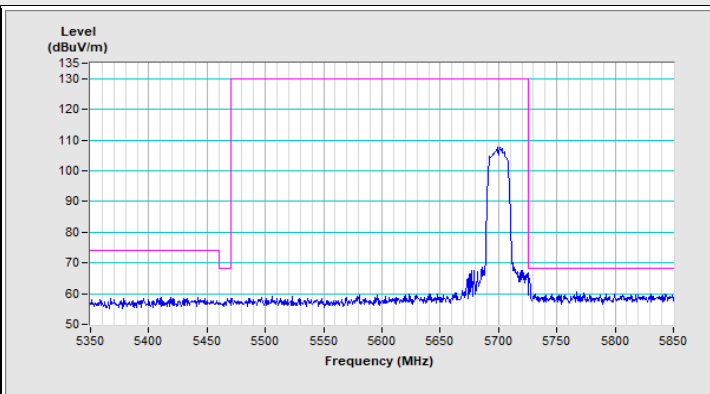


Vertical (Average)

802.11a Channel 140



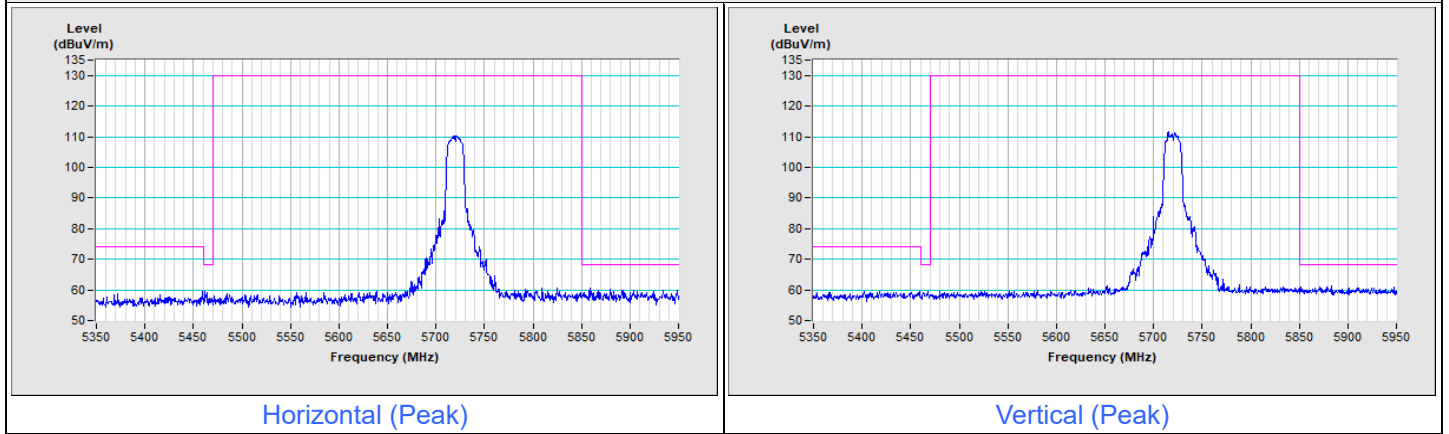
Horizontal (Peak)



Vertical (Peak)

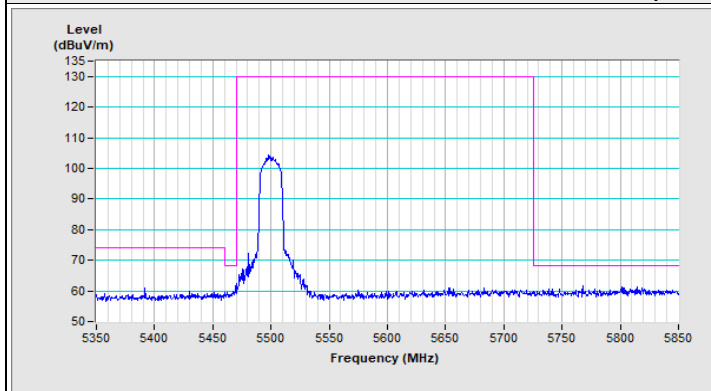
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

802.11a Channel 144

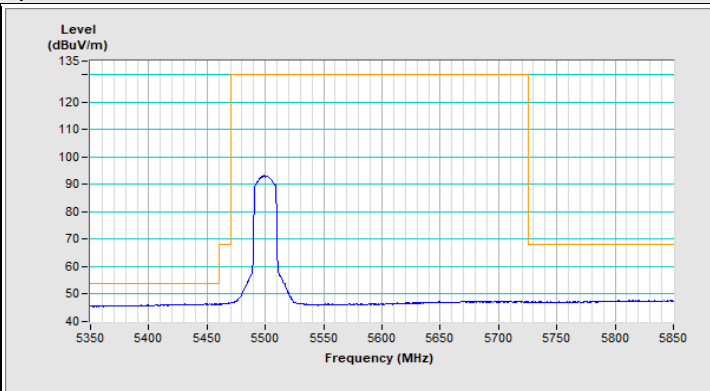


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

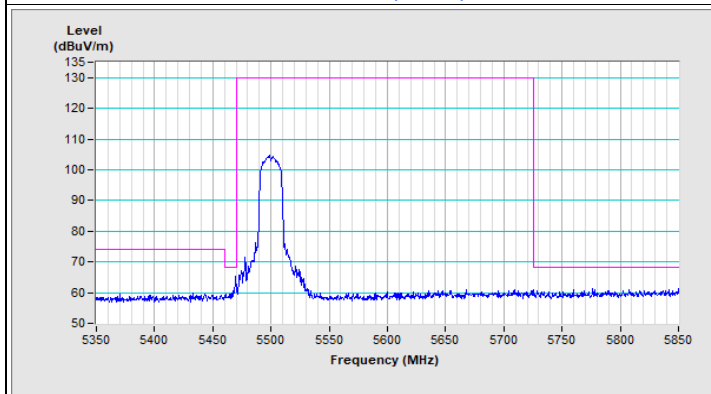
802.11ac (VHT20) Channel 100



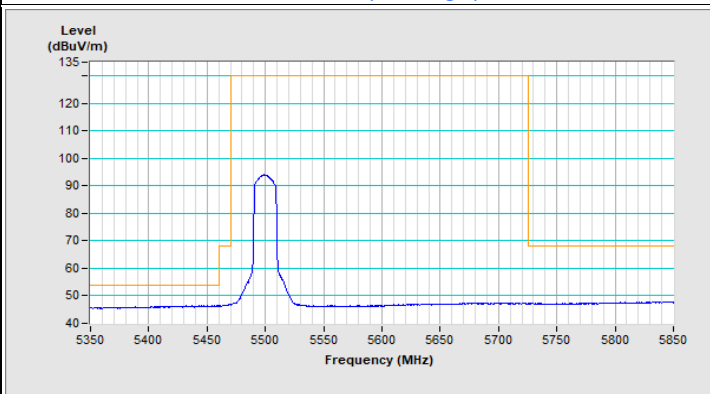
Horizontal (Peak)



Horizontal (Average)

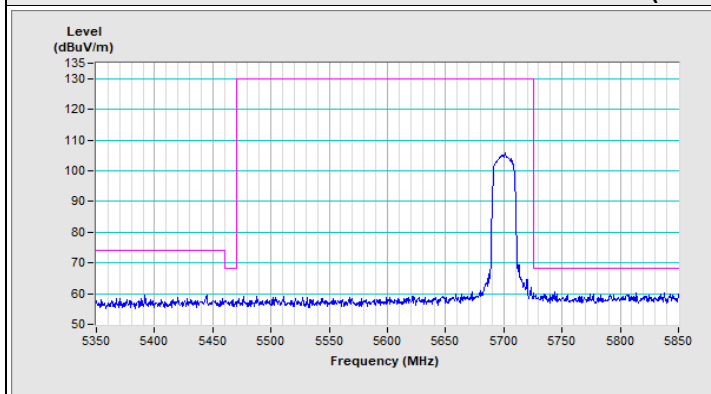


Vertical (Peak)

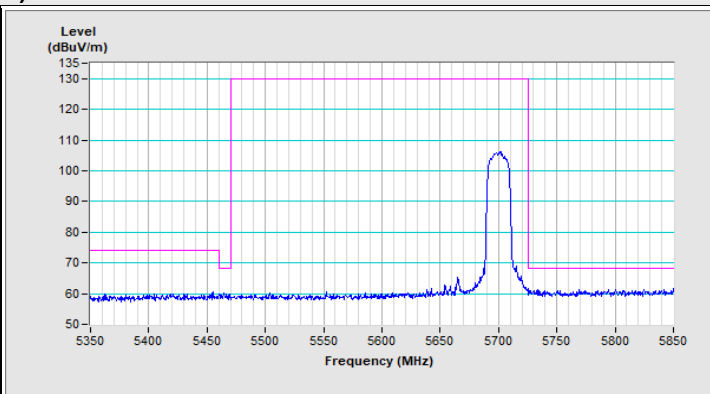


Vertical (Average)

802.11ac (VHT20) Channel 140



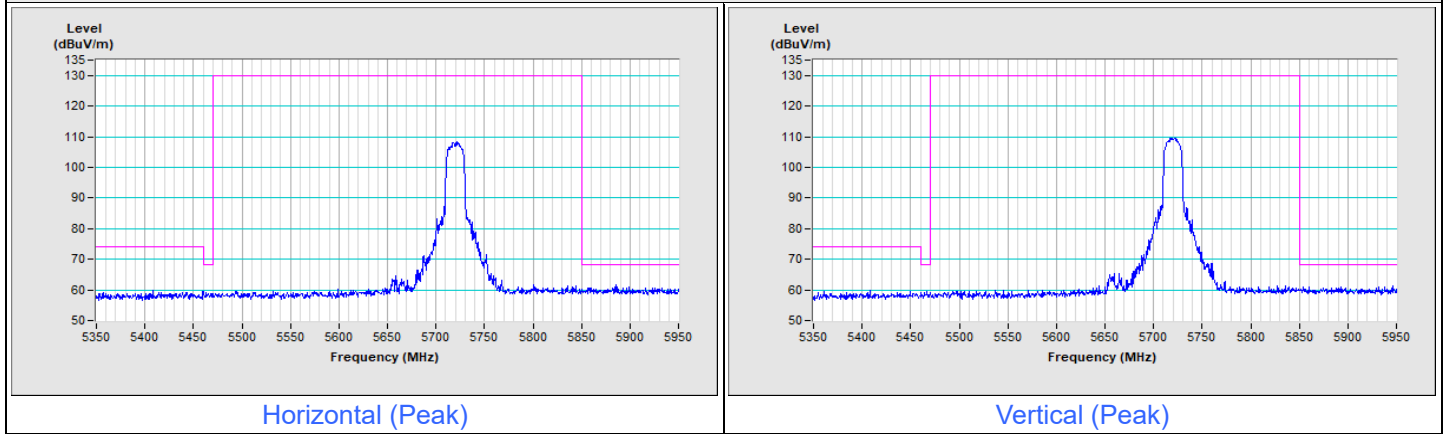
Horizontal (Peak)



Vertical (Peak)

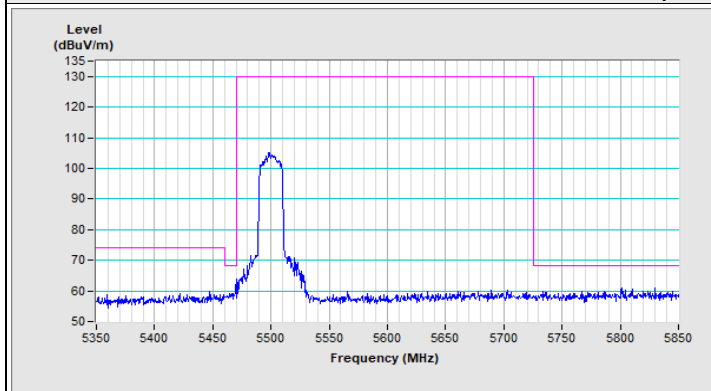
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	---------------------	-------------------------------	----------------------------------

802.11ac (VHT20) Channel 144

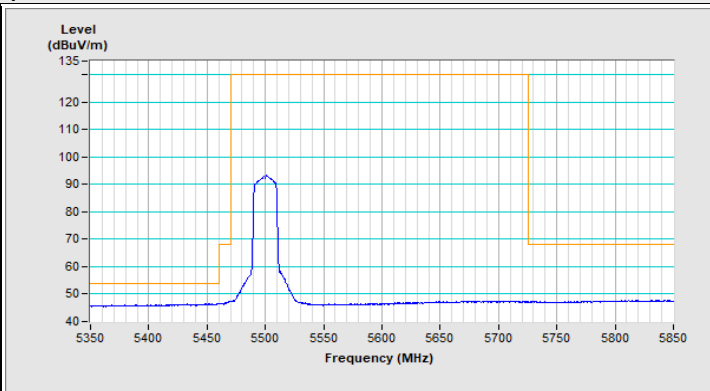


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
-----------------	---------------------	-------------------------------	--

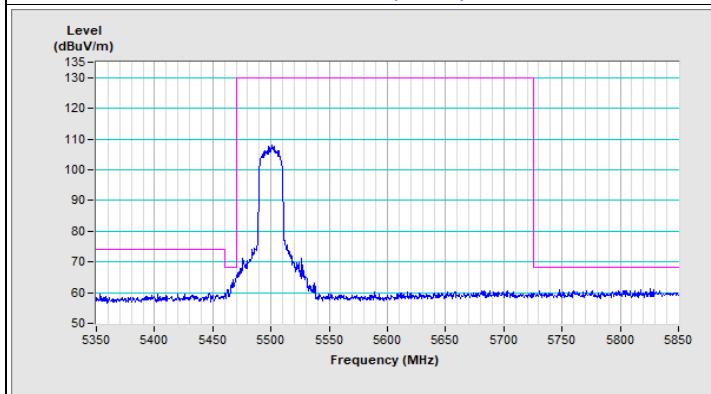
802.11ax (HE20) Channel 100



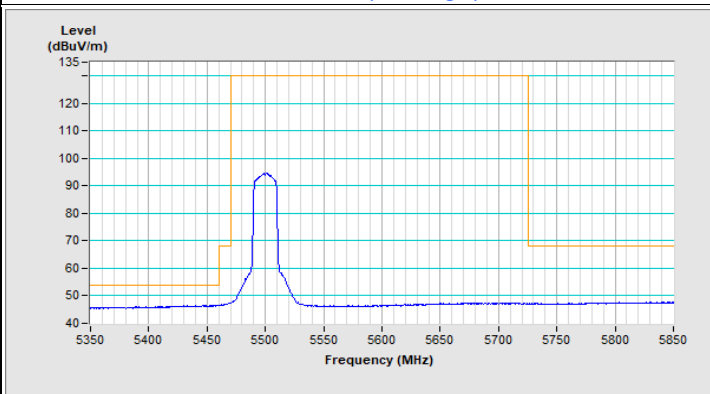
Horizontal (Peak)



Horizontal (Average)

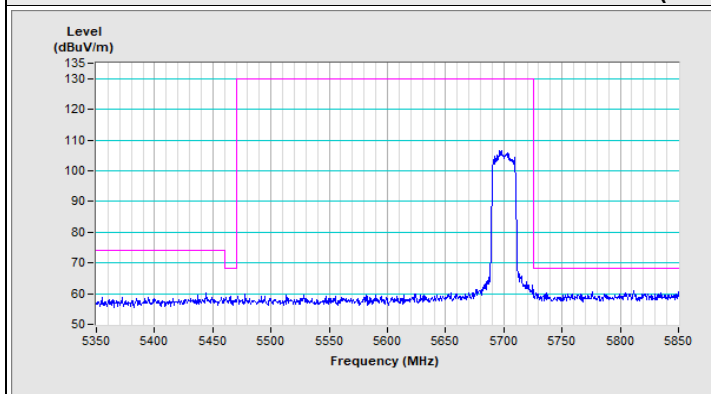


Vertical (Peak)

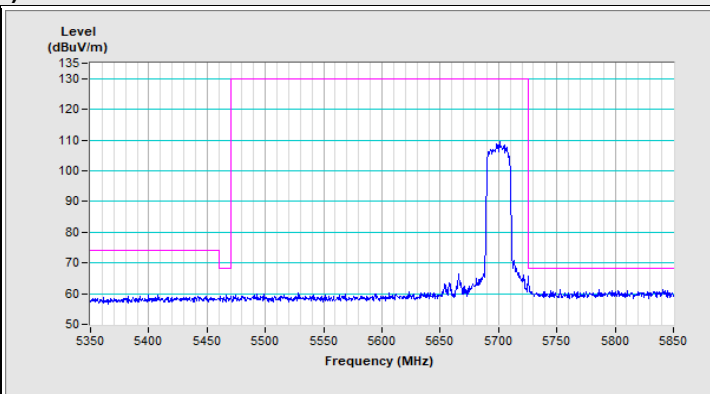


Vertical (Average)

802.11ax (HE20) Channel 140



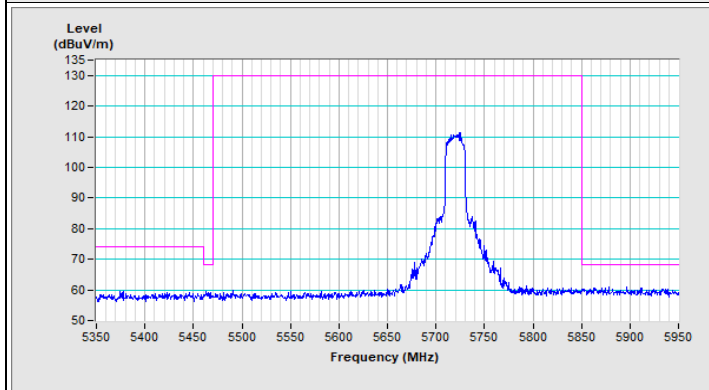
Horizontal (Peak)



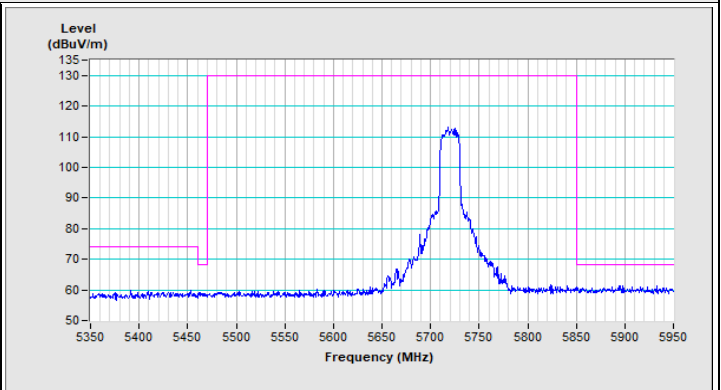
Vertical (Peak)

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



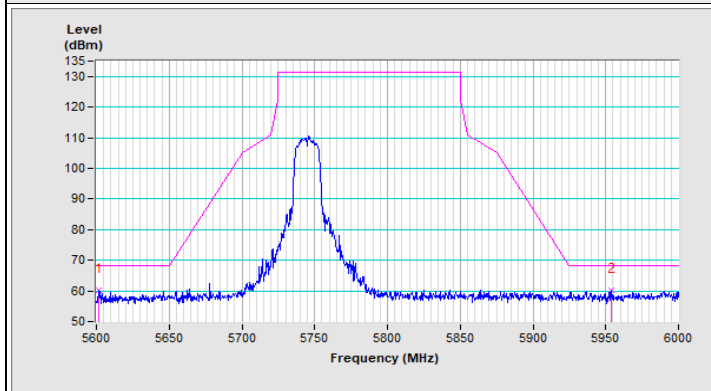
Horizontal (Peak)



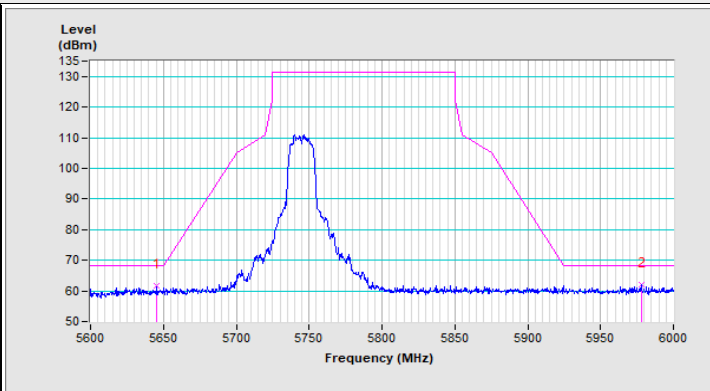
Vertical (Peak)

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

802.11a Channel 149

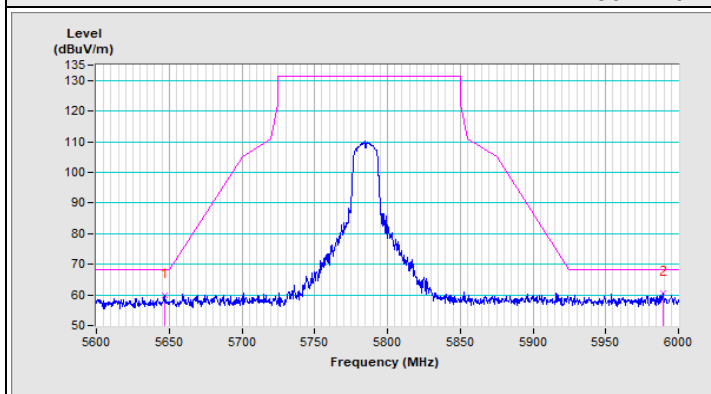


Horizontal (Peak)

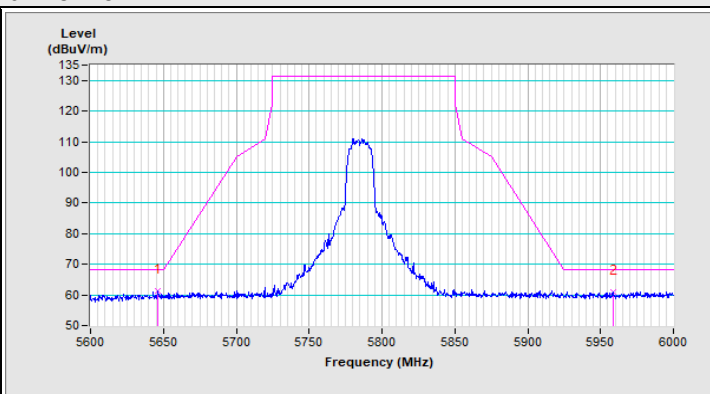


Vertical (Peak)

802.11a Channel 157

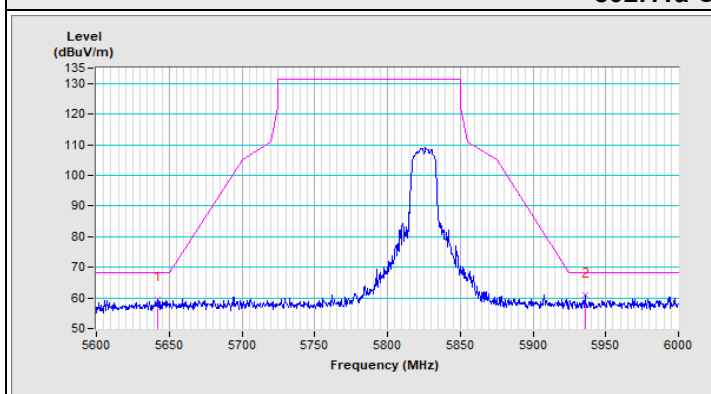


Horizontal (Peak)

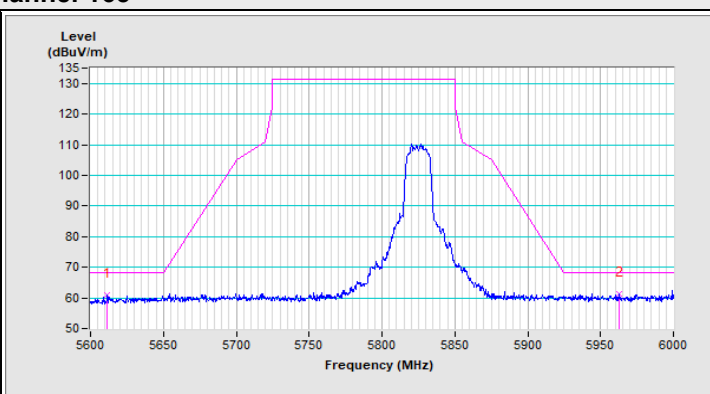


Vertical (Peak)

802.11a Channel 165



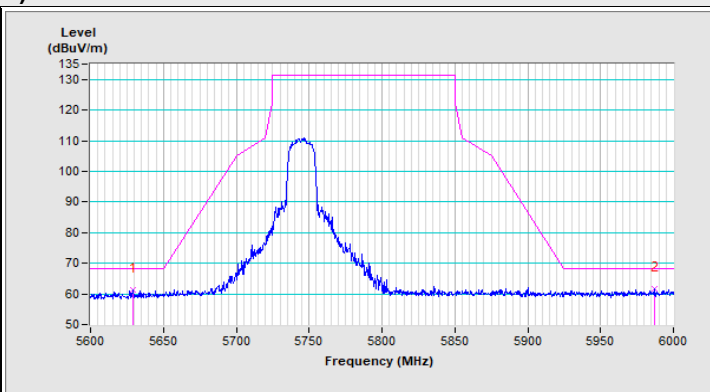
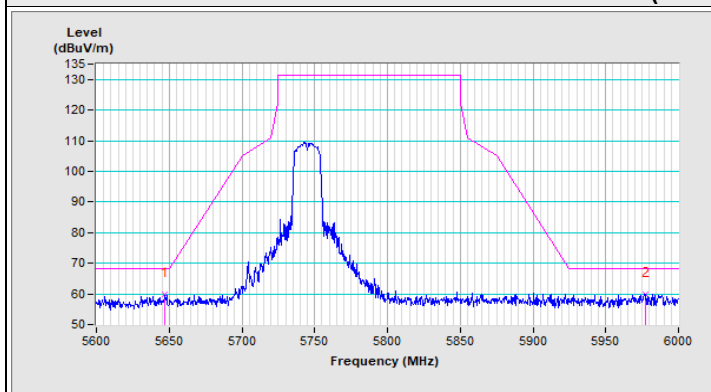
Horizontal (Peak)



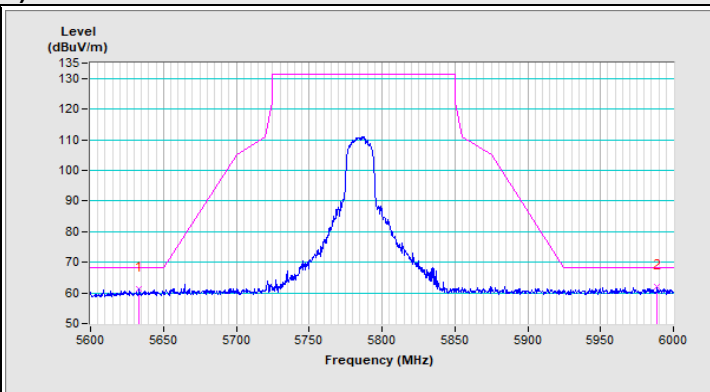
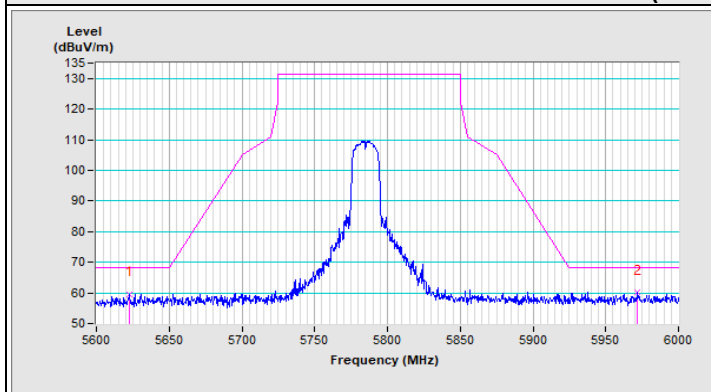
Vertical (Peak)

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

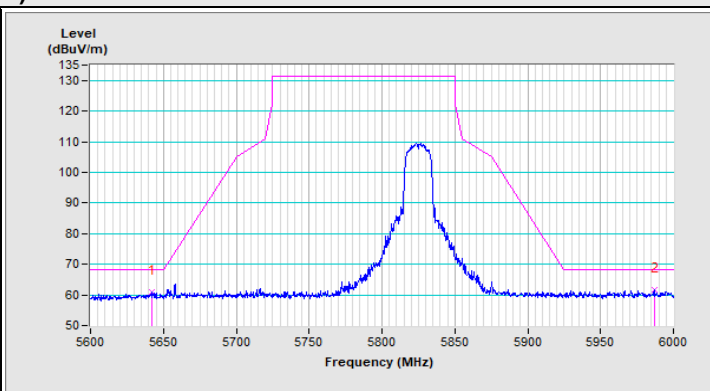
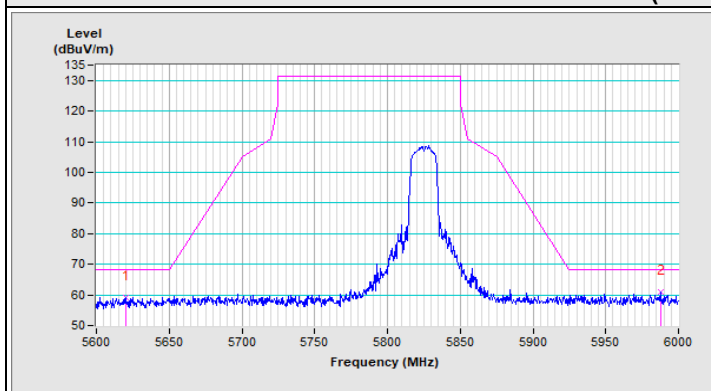
802.11ac (VHT20) Channel 149



802.11ac (VHT20) Channel 157

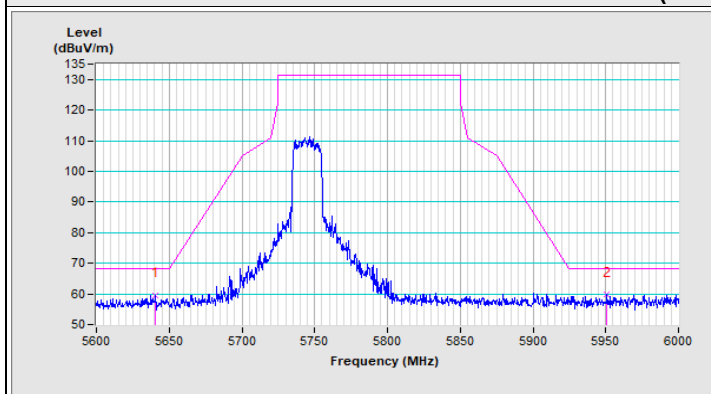


802.11ac (VHT20) Channel 165

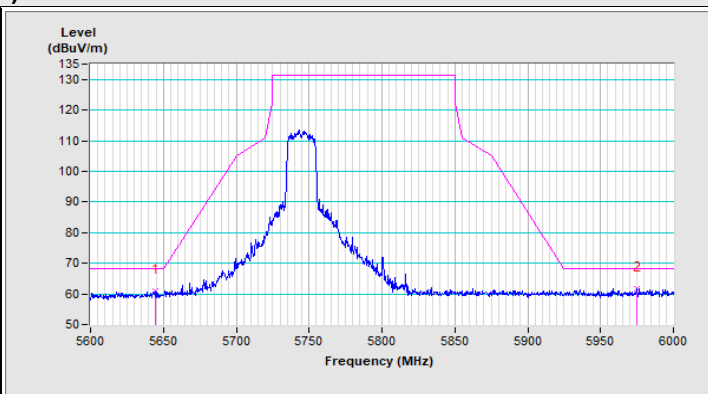


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
-----------------	-----------------	-------------------------------	----------------------------------

802.11ax (HE20) Channel 149

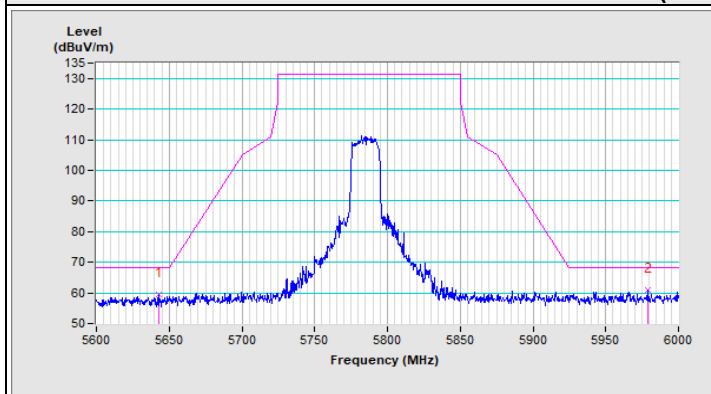


Horizontal (Peak)

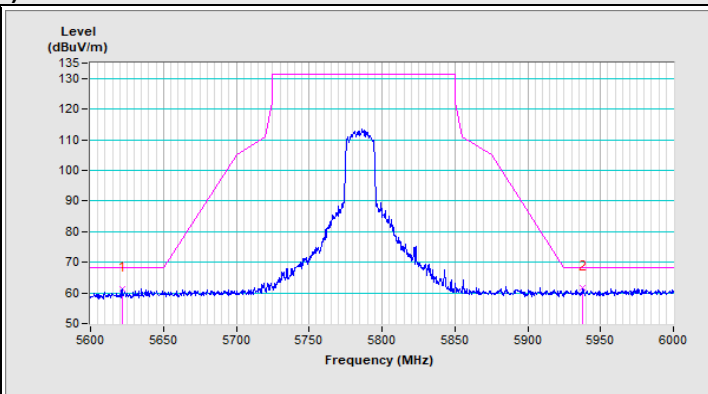


Vertical (Peak)

802.11ax (HE20) Channel 157

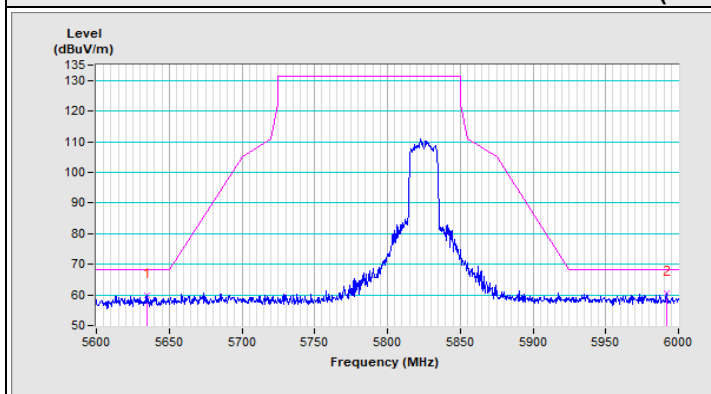


Horizontal (Peak)

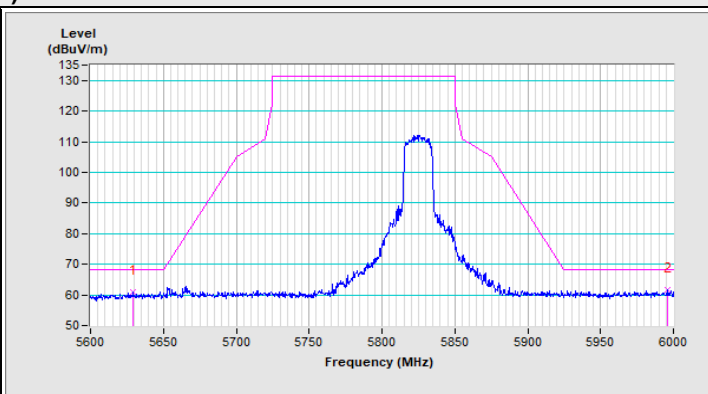


Vertical (Peak)

802.11ax (HE20) Channel 165



Horizontal (Peak)

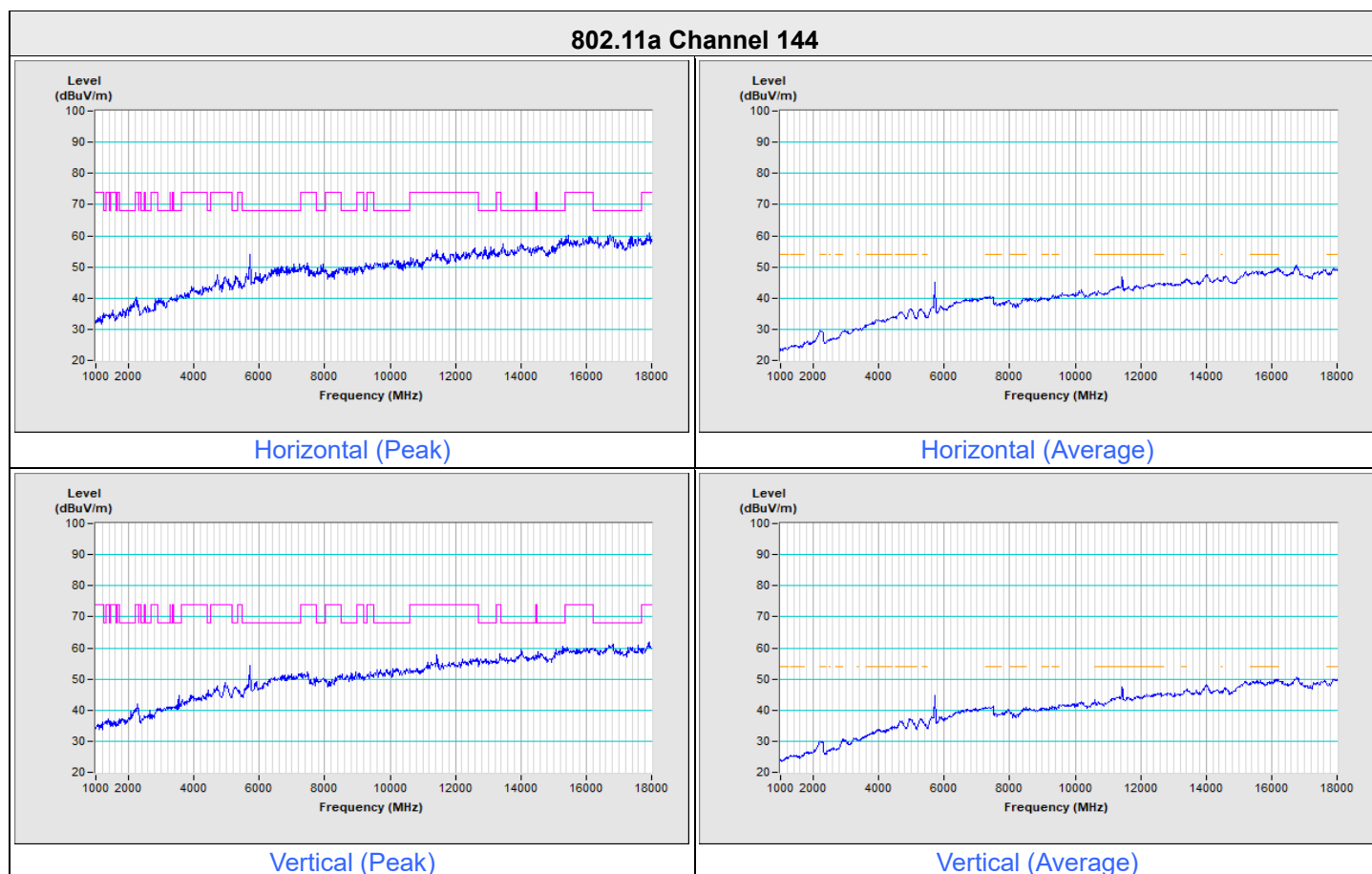


Vertical (Peak)

Plot of Other Emission

Mode B

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
-----------------	----------------	-------------------------------	--

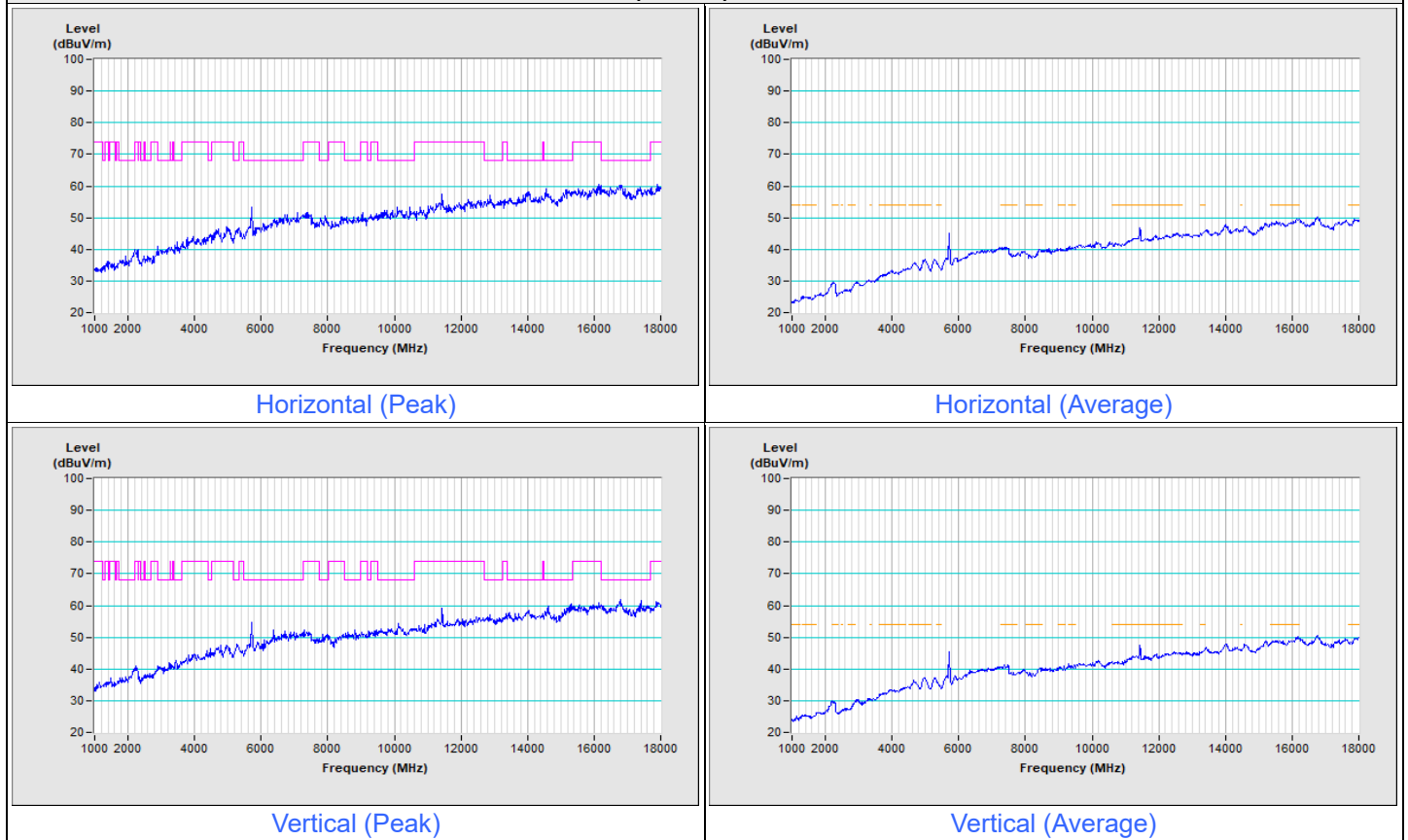


Notes:

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
-----------------	----------------	-------------------------------	--

802.11ac (VHT20) Channel 144

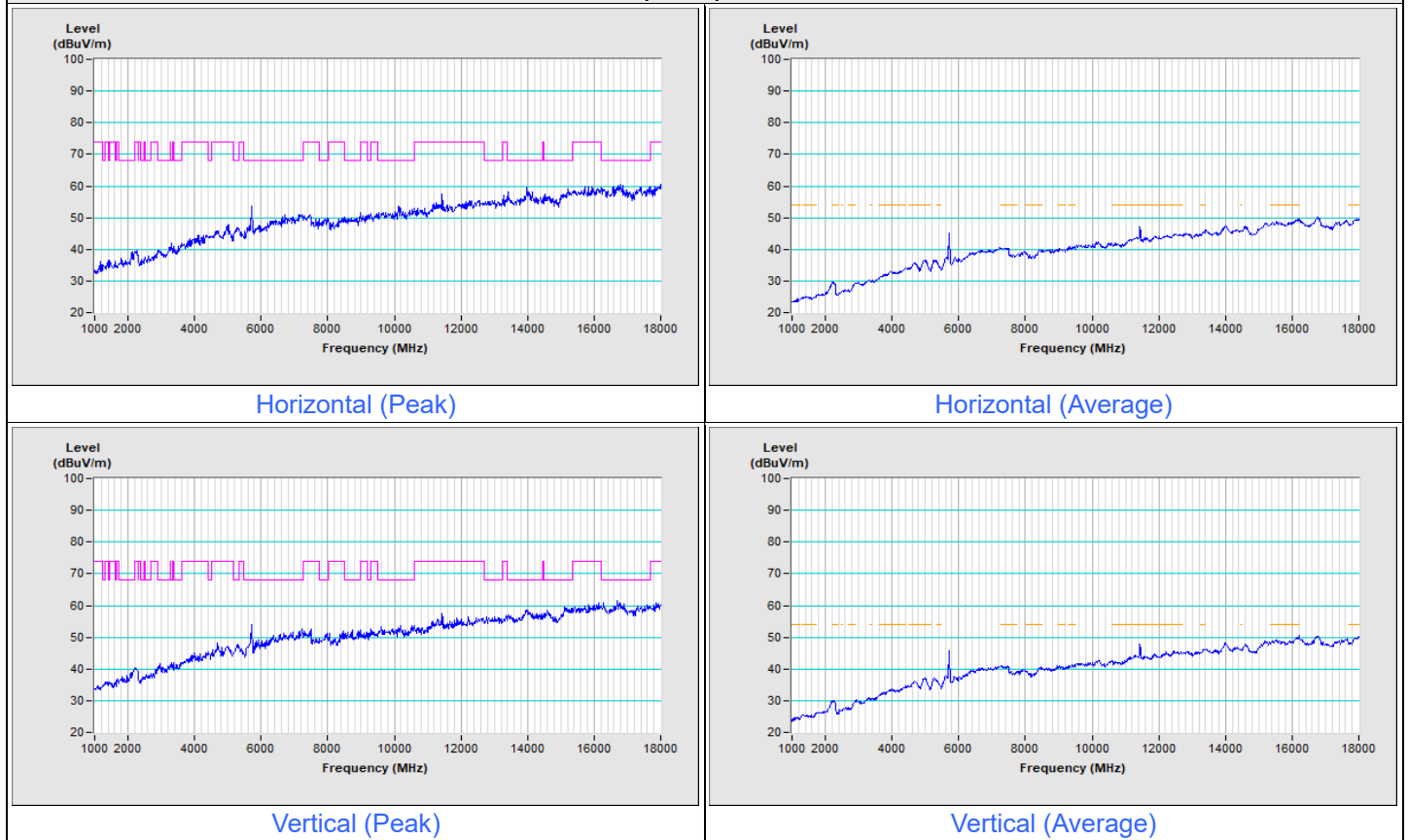


Notes:

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
-----------------	----------------	-------------------------------	--

802.11ax (HE20) Channel 144



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: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

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

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

--- END ---