

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDAS-WTW-P21030436C-1
FCC ID: 2A3G3-WMX720X
Product: WiFi 6E 5.2 M.2 2230 Module, WiFi 6E BT 5.2 Mini PCIe Module
Brand: EmWicon Corporation
Model No.: WMX7205, WMX7203, WMX7203-F
Received Date: 2023/12/14
Test Date: 2024/4/2 ~ 2024/5/15
Issued Date: 2024/6/7
Applicant: EmWicon Corporation
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
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Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / 788550 / TW0003
Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2024/6/7

Jeremy Lin / Project Engineer

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Prepared by : Lena Wang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBDAS-WTW-P21030436C-1	Original release.	2024/6/7

1 Certificate

Product: WiFi 6E 5.2 M.2 2230 Module, WiFi 6E BT 5.2 Mini PCIe Module

Brand: EmWicon Corporation

Test Model: WMX7205, WMX7203, WMX7203-F

Sample Status: Engineering Sample

Applicant: EmWicon Corporation

Test Date: 2024/4/2 ~ 2024/5/15

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

Measurement procedure: ANSI C63.10-2013
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	N/A	Refer to Note
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	N/A	Refer to Note
15.407(e)	6 dB Bandwidth	N/A	Refer to Note
---	Occupied Bandwidth	N/A	Refer to Note
15.407(g)	Frequency Stability	N/A	Refer to Note
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -2.49 dB at 0.49026 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.8 dB at 72.68 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.2 dB at 5725.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is R-SMA not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. Only test item of Unwanted Emissions, AC Power Conducted Emissions and RF Output Power were performed for this addendum. Other testing data please refer to BV CPS report no.: RFBVSW-WTW-P22080967-1.

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) (±)
RF Output Power	-	1.371 dB
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	WiFi 6E 5.2 M.2 2230 Module, WiFi 6E BT 5.2 Mini PCIe Module
Brand	EmWicon Corporation
Test Model	WMX7205, WMX7203, WMX7203-F
Status of EUT	Engineering Sample
Power Supply Rating	3.3 Vdc (from host equipment)
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDM in 11ac mode 4096QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: up to 2166.7Mbps 802.11ax: up to 2969.7Mbps
Operating Frequency	5.18 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6 802.11ac (VHT160), 802.11ax (HE160): 2
Output Power	5.18 GHz ~ 5.25 GHz : 140.518 mW (21.48 dBm) 5.25 GHz ~ 5.32 GHz : 143.003 mW (21.55 dBm) 5.5 GHz ~ 5.72 GHz : 149.698 mW (21.75 dBm) 5.745 GHz ~ 5.825 GHz : 139.254 mW (21.44 dBm)
EUT Category	Client device

Note:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report to module report No.: RFBVSW-WTW-P22080967-1 (Brand: EmWicon Corporation, Model: WMX7205, WMX7203, Series Model: WMX7203-F). The difference compared with original report are adding antenna and End-product (Internet Security Device (Brand: FORCEPOINT or **Forcepoint**, Model: N120WL, APP-120C1)). Therefore, Only Unwanted Emissions, AC Power Conducted Emissions and RF Output Power are re-tested and recorded in this report.
2. The EUT was installed in Internet Security Device (Brand: FORCEPOINT or **Forcepoint**, Model: N120WL, APP-120C1).
3. All models are listed as below.

Model	Product Name	PCB size	Interface	IPEX	Difference
WMX7205	WiFi 6E 5.2 M.2 2230 Module	Original size	M.2 E-Key M.2 AE-Key	i-pex (MHF 4L)	-
WMX7203	WiFi 6E BT 5.2 Mini	Bigger than original	mini PCIe	i-pex (MHF 1)	Market segment
WMX7203-F	PCIe Module	Bigger than original	mini PCIe		

Note: From the above models, model: WMX7203 was selected as representative model for the test and its data was recorded in the report.

4. The Internet Security Device contains following accessory devices.

Product	Brand	Model	Description
Adapter 1	FSP	FSP040-DHMN3	-
Adapter 2 (Optional)	EDAC	EA10681T-540	-
WLAN Module	Emwicon	WMX7203-F	For N120WL, APP-120C1
WWAN Module	Sierra	EM7690	For N120WL
Dipole Antenna (WLAN)	Aristotle	RFA-27-C2M2-U-M70	For N120WL, APP-120C1
Dipole Antenna (WWAN)	Aristotle	RFA-LTE-C55-U-B70-5	For N120WL

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

6. This device of WLAN (2.4GHz & 5GHz U-NII-1 Band) can support hotspot mode.
7. According to client's declaration, the EUT does not support partial RU (resource unit), beamforming mode, BT, BT LE and WLAN 5.9GHz.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Original									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
1	Chain0/1	HONGBO	260-25094	3.53	2.4~2.4835 GHz	0.76	PIFA	ipex(MHF 4L) ipex(MHF 1)	300mm
				3.06	5.15~5.25 GHz	1.16			
				3.07	5.25~5.35 GHz	1.18			
				4.81	5.47~5.725 GHz	1.2			
				4.2	5.725~5.850 GHz	1.27			
2	Chain0/1	HONGBO	260-25083	5.09	5.850~5.895 GHz	1.29	PIFA	ipex(MHF 4L) ipex(MHF 1)	300mm
				5.14	5.925~6.425 GHz	1.32			
				5.09	6.425~6.525 GHz	1.35			
				5.16	6.525~6.875 GHz	1.4			
				5.12	6.875~7.125 GHz	1.45			
3	Chain0/1	HONGBO	260-25084	3.22	2.4~2.4835 GHz	0.5	Monopole	ipex(MHF 4L) ipex(MHF 1)	200mm
				3.35	5.150~5.250 GHz	0.76			
				3.42	5.250~5.350 GHz	0.78			
				4.77	5.470~5.725 GHz	0.81			
				4.72	5.725~5.850 GHz	0.85			
				4.71	5.850~5.895 GHz	0.86			
				4.75	5.925~6.425 GHz	0.87			
				4.29	6.425~6.525 GHz	0.91			
				4.81	6.525~6.875 GHz	0.96			
				4.74	6.875~7.125 GHz	0.98			
2 nd									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
4	Chain0/1	emwicon	ATD7351	2.51	2400 MHz	0.64	Monopole	RP-SMA	0.15m
				2.66	2450 MHz	0.64			
				2.07	2500 MHz	0.64			
				3.21	5150 MHz	1.27			
				3.64	5500 MHz	1.27			
				3.73	5850 MHz	1.27			
				3.13	6125 MHz	1.24			
				3.54	6750 MHz	1.24			
				3.06	7125 MHz	1.24			

Newly

Antenna No.	Gain w/o cable loss (dBi)	Cable Loss (dB)	Gain with cable loss (dBi)	Antenna Type	Connector Type	Cable Length
	5150 ~ 5850 MHz		5150 ~ 5850 MHz			
Chain 0	3	1.35	1.65	Dipole	R-SMA	190mm
Chain 1	3	2.2	0.8	Dipole	R-SMA	360mm

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), therefore the manufacturer will control the power for 802.11n/ac mode is same as the 802.11ax mode or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Z-axis Worst Condition: X-axis

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

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ac (VHT160)	50, 114	BPSK	MCS0
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
AC Power Conducted Emissions	802.11a	116	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	802.11a	116	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

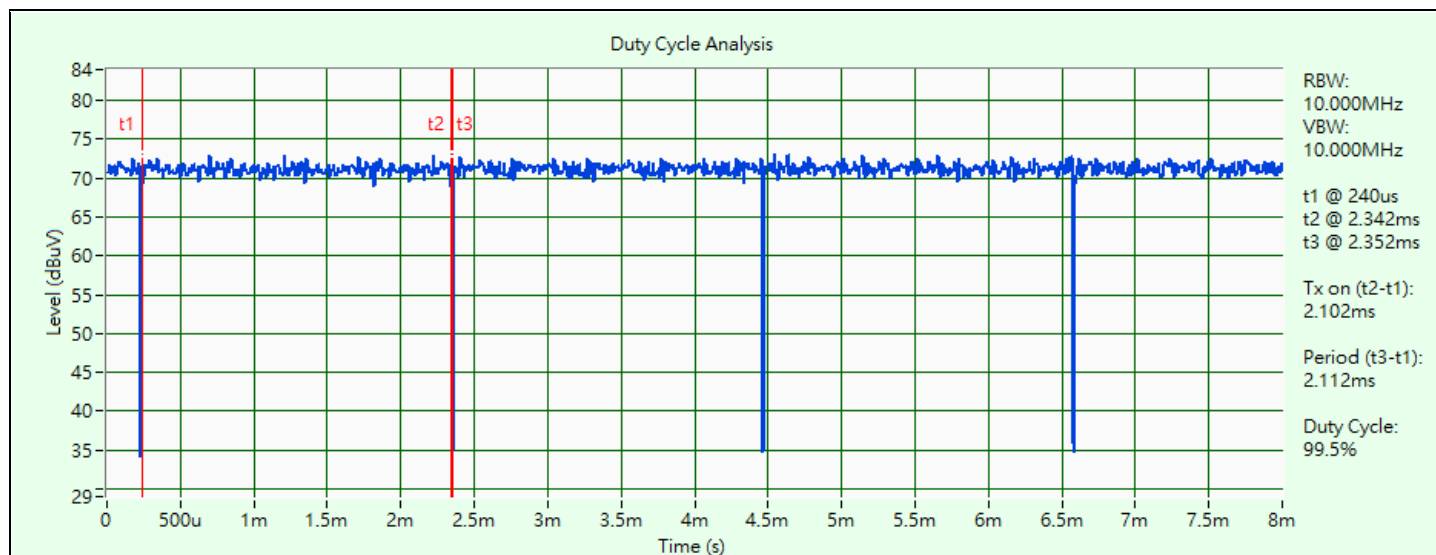
802.11a: Duty cycle = 2.102 ms / 2.112 ms x 100% = 99.5%

802.11ax (HE20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

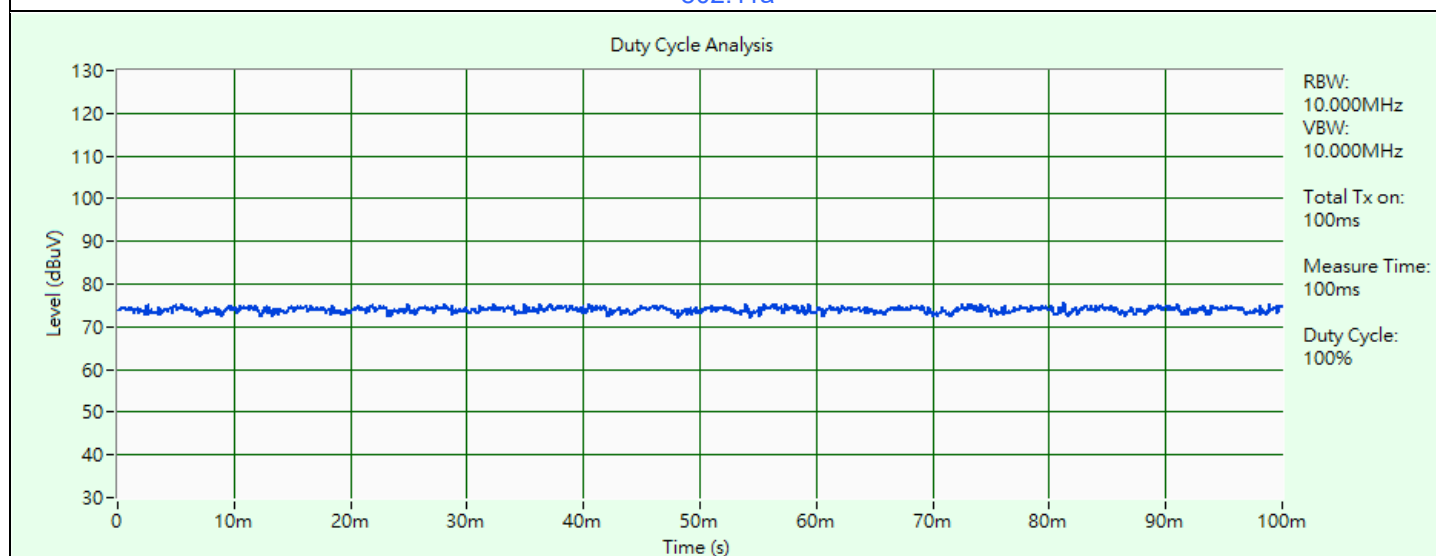
802.11ax (HE40): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

802.11ax (HE80): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

802.11ax (HE160): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

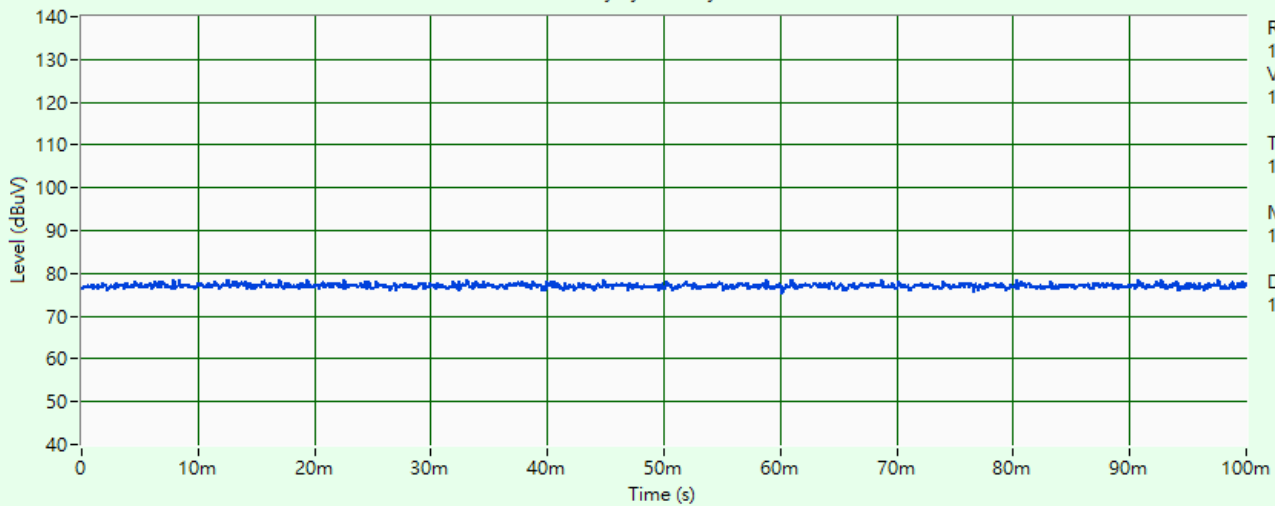


802.11a



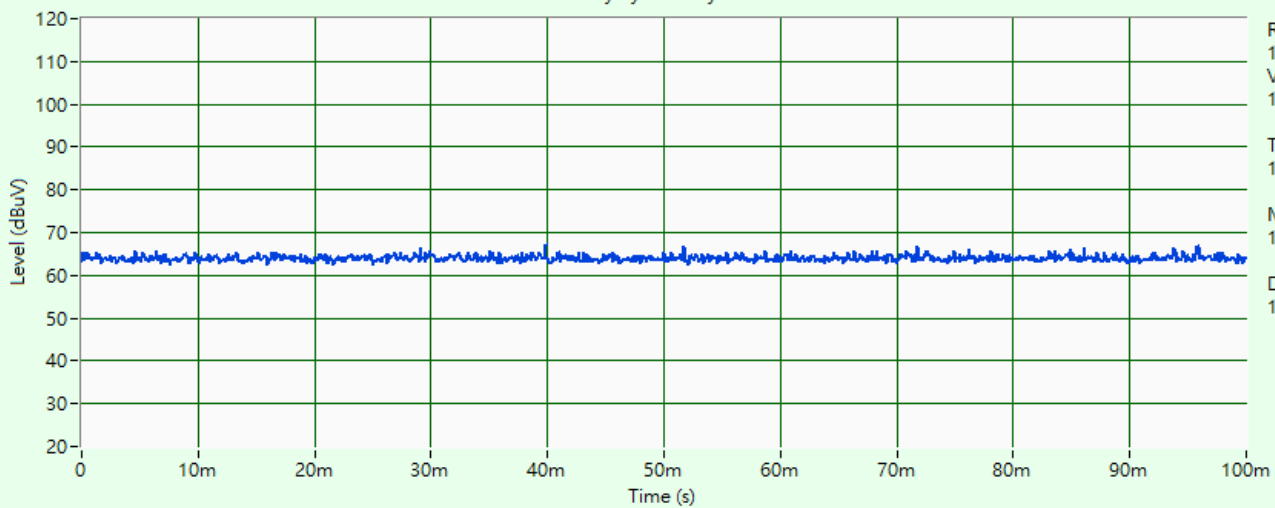
802.11ax (HE20)

Duty Cycle Analysis



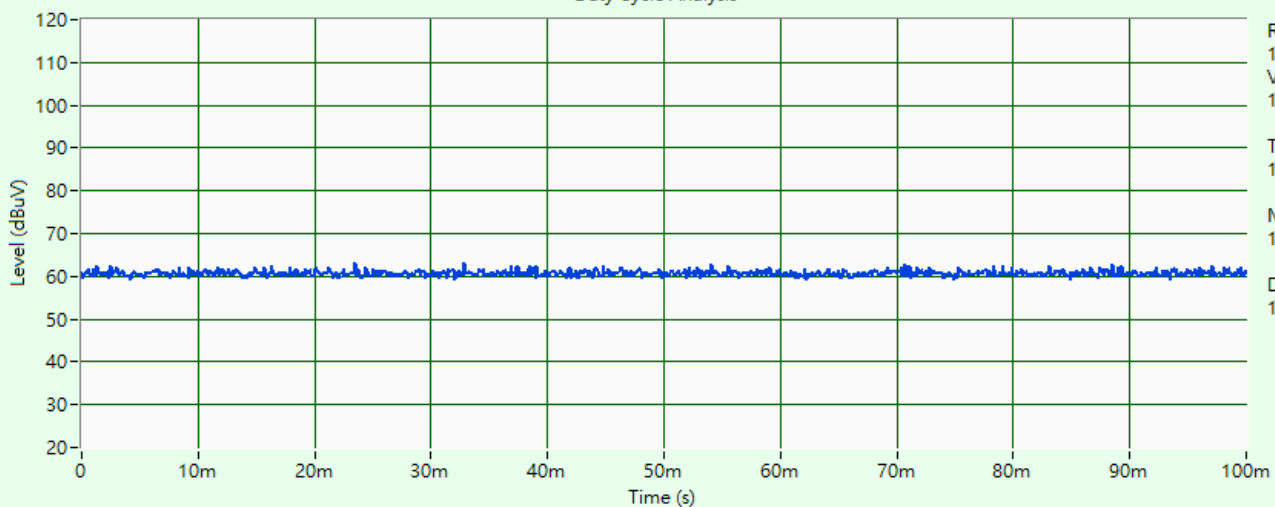
802.11ax (HE40)

Duty Cycle Analysis



802.11ax (HE80)

Duty Cycle Analysis

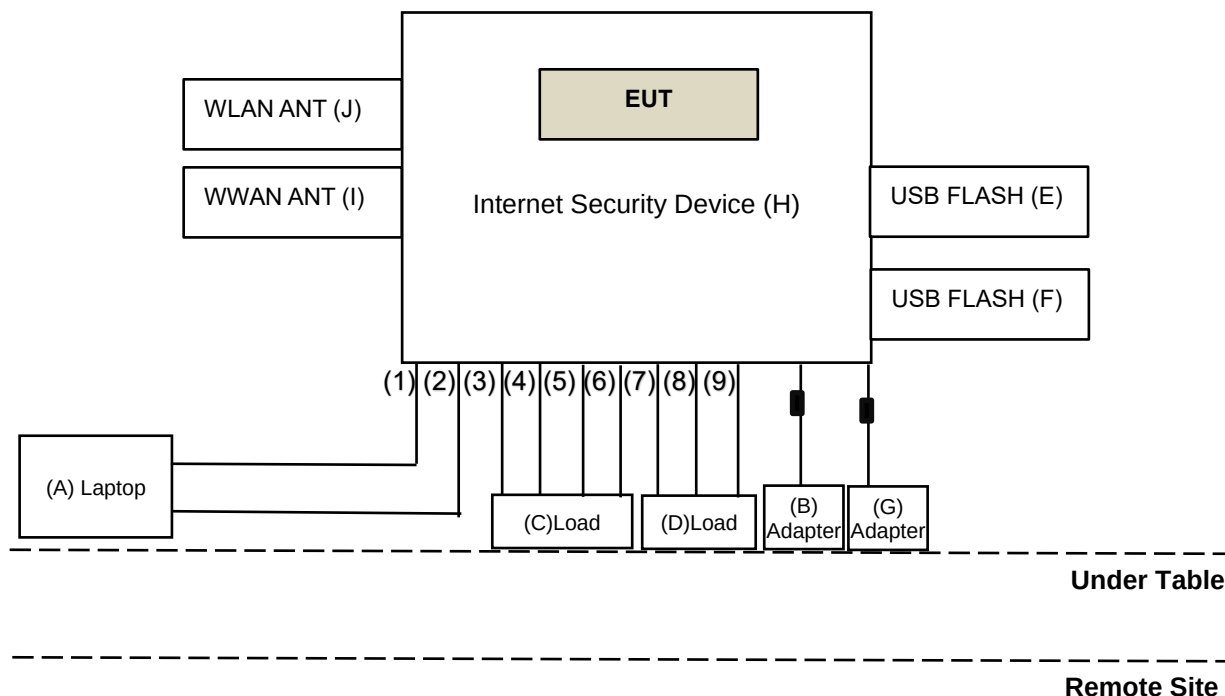


802.11ax (HE160)

3.6 Test Program Used and Operation Descriptions

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

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	Lenovo	X260 4G	PC0ECUAT	NA	Provided by Lab
B	Adapter	FSP	FSP040-DHMN3	NA	NA	Supplied by applicant
C	Load	NA	NA	NA	NA	Provided by Lab
D	Load	NA	NA	NA	NA	Provided by Lab
E	FLASH	Transcend	NA	NA	NA	Supplied by applicant
F	FLASH	Transcend	NA	NA	NA	Supplied by applicant
G	Adapter	EDAC	EA10681T-540	NA	NA	Supplied by applicant
H	Internet Security Device	FORCEPOINT	N120WL	NA	NA	Supplied by applicant
I	WWAN ANT	Aristotle	RFA-27-C2M2-U-M70	NA	NA	Supplied by applicant
J	WLAN ANT	WANSIH	S51WFI0001A	NA	NA	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.5	N	N	Provided by Lab
2	Console Cable	1	1.8	N	N	Supplied by applicant
3	RJ-45 Cable	1	1.5	N	N	Provided by Lab
4	RJ-45 Cable	1	1.5	N	N	Provided by Lab
5	RJ-45 Cable	1	1.5	N	N	Provided by Lab
6	RJ-45 Cable	1	1.5	N	N	Provided by Lab
7	RJ-45 Cable	1	1.5	N	N	Provided by Lab
8	RJ-45 Cable	1	1.5	N	N	Provided by Lab
9	RJ-45 Cable	1	1.5	N	N	Provided by Lab

4 Test Instruments

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

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Signal & Spectrum Analyzer R&S	FSV3044	101504	2023/6/5	2024/6/4
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/5/15

4.2 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2023/11/22	2024/11/21
50 ohm terminal resistance	E1-011279	04	2023/11/22	2024/11/21
	E1-011280	05	2023/11/22	2024/11/21
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESCI	100412	2023/8/23	2024/8/22
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/9/2	2024/9/1
LISN R&S	ESH2-Z5	100100	2024/3/6	2025/3/5
	ESH3-Z5	100312	2023/9/12	2024/9/11
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2023/9/2	2024/9/1
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2024/4/12

4.3 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2023/10/17	2024/10/16
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Preamplifier Agilent	8447D	2944A10638	2023/5/7	2024/5/6
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2023/5/7	2024/5/6
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/4/11

4.4 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170243	2023/11/12	2024/11/11
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Notch Filter Micro-Tronics	BRM17690	004	2024/1/23	2025/1/22
	BRM50716	060	2023/12/25	2024/12/24
Preamplifier Agilent	8449B	3008A02367	2024/1/6	2025/1/5
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2024/1/6	2025/1/5
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2024/1/6	2025/1/5
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/4/2 ~ 2024/4/3

5 Limits of Test Items

5.1 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.2 AC Power Conducted Emissions

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

Notes:

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

5.3 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.4 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

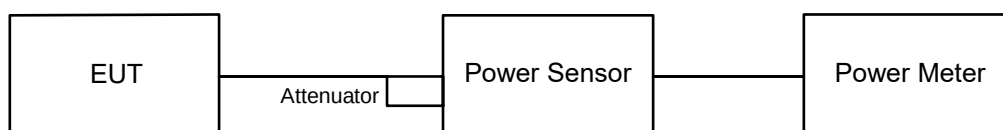
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

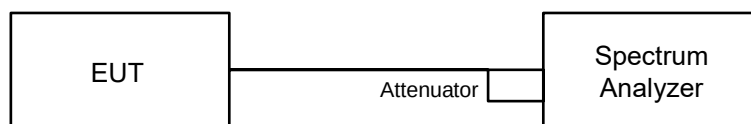
6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



For channel straddling:



6.1.2 Test Procedure

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

For channel straddling:

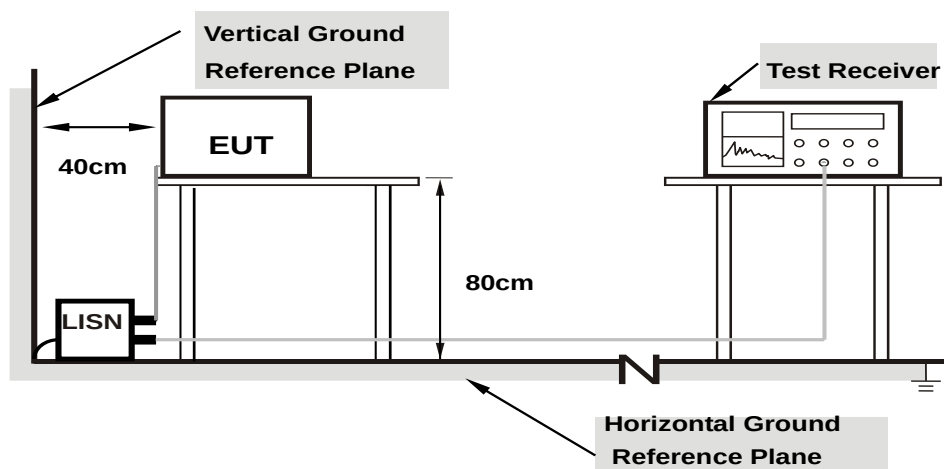
Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) 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

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

6.2 AC Power Conducted Emissions

6.2.1 Test Setup



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

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

6.2.2 Test Procedure

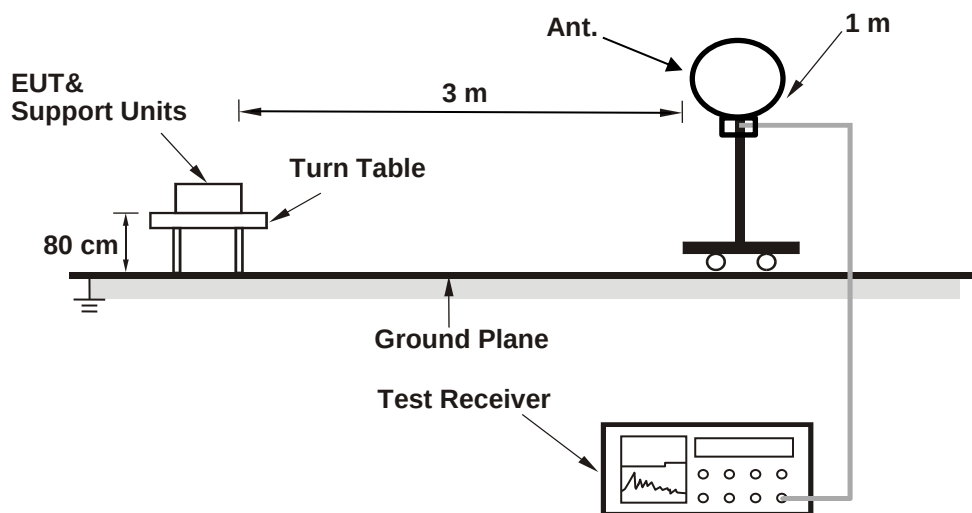
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The 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.

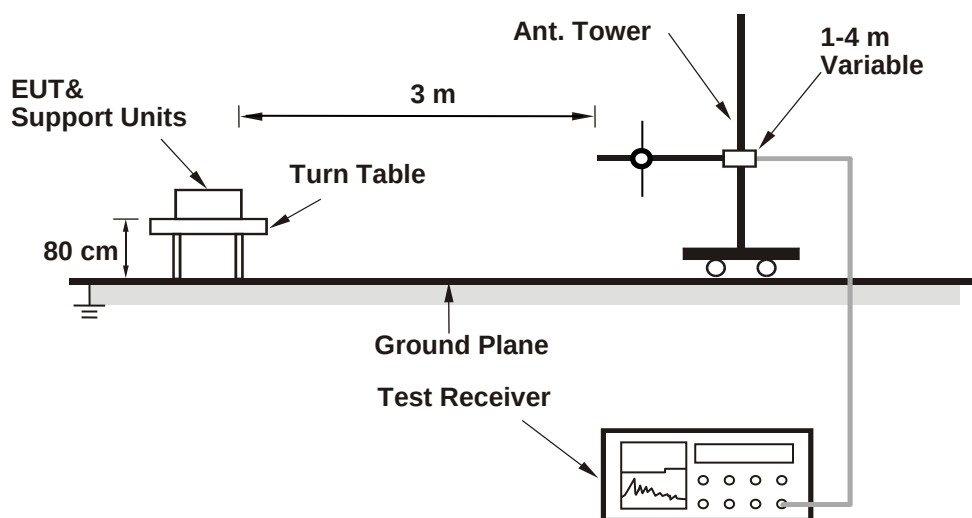
6.3 Unwanted Emissions below 1 GHz

6.3.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.3.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

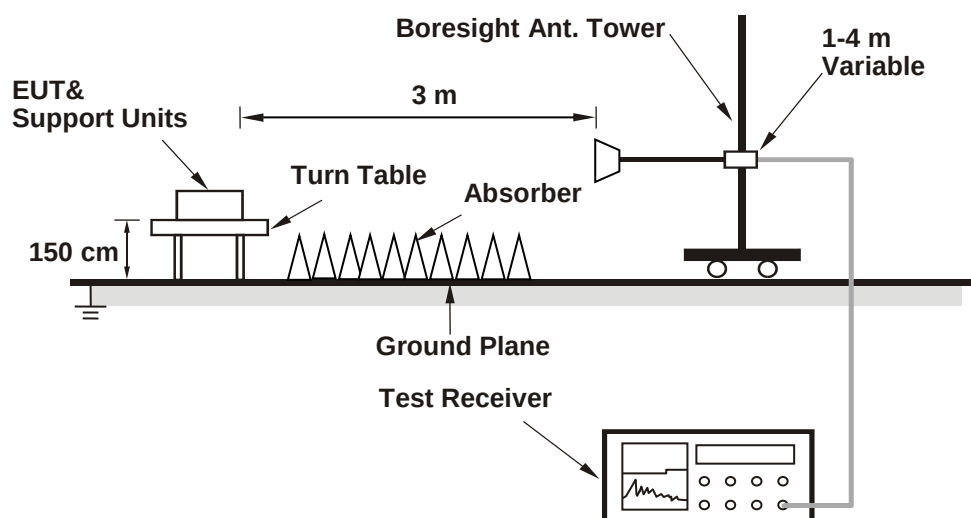
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.4 Unwanted Emissions above 1 GHz

6.4.1 Test Setup



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

6.4.2 Test Procedure

- 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 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Charles Hsiao
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.76	15.56	73.645	18.67	24	Pass
40	5200	19.03	17.82	140.518	21.48	24	Pass
48	5240	17.85	16.37	104.305	20.18	24	Pass
52	5260	19.01	18.02	143.003	21.55	24	Pass
60	5300	18.18	17.33	119.841	20.79	24	Pass
64	5320	15.91	14.33	66.096	18.20	24	Pass
100	5500	15.01	14.96	63.029	18.00	24	Pass
116	5580	19.62	17.64	149.698	21.75	24	Pass
140	5700	14.88	13.73	54.366	17.35	24	Pass
*144 (U-NII-2C)	5720	17.55	17.20	109.366	20.39	24	Pass
*144 (U-NII-3)	5720	11.26	11.03	26.042	14.16	30	Pass
149	5745	18.58	18.27	139.254	21.44	30	Pass
157	5785	18.03	18.67	137.154	21.37	30	Pass
165	5825	18.39	18.28	136.322	21.35	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.34	14.43	70.786	18.50	24	Pass
40	5200	16.04	15.54	75.989	18.81	24	Pass
48	5240	16.45	14.60	72.997	18.63	24	Pass
52	5260	16.53	14.80	75.178	18.76	24	Pass
60	5300	16.47	14.67	73.67	18.67	24	Pass
64	5320	14.02	12.79	44.246	16.46	24	Pass
100	5500	14.93	13.13	51.676	17.13	24	Pass
116	5580	16.45	14.70	73.669	18.67	24	Pass
140	5700	10.85	10.61	23.67	13.74	24	Pass
*144 (U-NII-2C)	5720	14.30	14.35	54.142	17.34	24	Pass
*144 (U-NII-3)	5720	9.30	9.39	17.201	12.36	30	Pass
149	5745	15.65	15.81	74.835	18.74	30	Pass
157	5785	15.73	15.86	75.959	18.81	30	Pass
165	5825	15.37	15.84	72.806	18.62	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 , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.16	11.08	33.525	15.25	24	Pass
46	5230	16.07	13.87	64.836	18.12	24	Pass
54	5270	16.21	14.16	67.845	18.32	24	Pass
62	5310	9.06	7.16	13.254	11.22	24	Pass
102	5510	8.53	6.36	11.454	10.59	24	Pass
110	5550	16.05	14.20	66.574	18.23	24	Pass
134	5670	13.66	13.13	43.786	16.41	24	Pass
*142 (U-NII-2C)	5710	13.78	13.67	47.159	16.74	24	Pass
*142 (U-NII-3)	5710	8.51	8.44	14.078	11.49	30	Pass
151	5755	15.20	15.28	66.842	18.25	30	Pass
159	5795	15.07	15.22	65.403	18.16	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 , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.38	14.46	71.376	18.54	24	Pass
40	5200	16.07	15.57	76.515	18.84	24	Pass
48	5240	16.48	14.63	73.503	18.66	24	Pass
52	5260	16.57	14.83	75.803	18.80	24	Pass
60	5300	16.49	14.72	74.214	18.70	24	Pass
64	5320	14.04	12.81	44.45	16.48	24	Pass
100	5500	14.96	13.15	51.987	17.16	24	Pass
116	5580	16.51	14.77	74.763	18.74	24	Pass
140	5700	10.87	10.63	23.779	13.76	24	Pass
*144 (U-NII-2C)	5720	14.31	14.37	54.33	17.35	24	Pass
*144 (U-NII-3)	5720	9.32	9.42	17.301	12.38	30	Pass
149	5745	15.70	15.85	75.613	18.79	30	Pass
157	5785	15.75	15.90	76.488	18.84	30	Pass
165	5825	15.41	15.87	73.39	18.66	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.19	11.11	33.757	15.28	24	Pass
46	5230	16.13	13.92	65.681	18.17	24	Pass
54	5270	16.25	14.22	68.594	18.36	24	Pass
62	5310	9.09	7.19	13.346	11.25	24	Pass
102	5510	8.55	6.38	11.507	10.61	24	Pass
110	5550	16.08	14.22	66.975	18.26	24	Pass
134	5670	13.68	13.16	44.036	16.44	24	Pass
*142 (U-NII-2C)	5710	13.91	13.84	48.814	16.89	24	Pass
*142 (U-NII-3)	5710	8.65	8.60	14.573	11.64	30	Pass
151	5755	15.21	15.31	67.152	18.27	30	Pass
159	5795	15.12	15.27	66.16	18.21	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	11.30	11.18	26.612	14.25	24	Pass
58	5290	8.69	7.18	12.62	11.01	24	Pass
106	5530	8.35	6.11	10.922	10.38	24	Pass
122	5610	14.88	13.23	51.799	17.14	24	Pass
*138 (U-NII-2C)	5690	13.32	12.85	40.754	16.10	24	Pass
*138 (U-NII-3)	5690	7.84	7.40	11.577	10.64	30	Pass
155	5775	14.61	14.51	57.156	17.57	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	7.60	5.81	9.565	9.81	24	Pass
*50 (U-NII-2A)	5250	7.65	5.77	9.597	9.82	24	Pass
114	5570	8.95	7.19	13.088	11.17	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	16.42	14.49	71.972	18.57	24	Pass
40	5200	16.12	15.62	77.401	18.89	24	Pass
48	5240	16.52	14.68	74.251	18.71	24	Pass
52	5260	16.62	14.86	76.539	18.84	24	Pass
60	5300	16.52	14.76	74.797	18.74	24	Pass
64	5320	14.07	12.83	44.714	16.50	24	Pass
100	5500	14.99	13.17	52.299	17.18	24	Pass
116	5580	16.68	14.90	77.462	18.89	24	Pass
140	5700	10.89	10.66	23.916	13.79	24	Pass
*144 (U-NII-2C)	5720	14.35	14.41	54.833	17.39	24	Pass
*144 (U-NII-3)	5720	9.33	9.45	17.381	12.40	30	Pass
149	5745	15.81	15.97	77.643	18.90	30	Pass
157	5785	15.80	15.93	77.193	18.88	30	Pass
165	5825	15.45	15.90	73.98	18.69	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.22	11.13	33.961	15.31	24	Pass
46	5230	16.17	14.03	66.693	18.24	24	Pass
54	5270	16.30	14.27	69.388	18.41	24	Pass
62	5310	9.11	7.22	13.419	11.28	24	Pass
102	5510	8.57	6.41	11.57	10.63	24	Pass
110	5550	16.22	14.31	68.857	18.38	24	Pass
134	5670	13.71	13.18	44.293	16.46	24	Pass
*142 (U-NII-2C)	5710	14.01	13.96	50.065	17.00	24	Pass
*142 (U-NII-3)	5710	8.77	8.74	15.015	11.77	30	Pass
151	5755	15.32	15.42	68.875	18.38	30	Pass
159	5795	15.17	15.32	66.926	18.26	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	11.38	11.26	27.106	14.33	24	Pass
58	5290	8.72	7.22	12.72	11.04	24	Pass
106	5530	8.38	6.13	10.989	10.41	24	Pass
122	5610	14.91	13.26	52.158	17.17	24	Pass
*138 (U-NII-2C)	5690	13.45	13.02	42.176	16.25	24	Pass
*138 (U-NII-3)	5690	8.01	7.54	12	10.79	30	Pass
155	5775	14.69	14.53	57.823	17.62	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.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	7.64	5.84	9.645	9.84	24	Pass
*50 (U-NII-2A)	5250	7.65	5.86	9.676	9.86	24	Pass
114	5570	8.97	7.22	13.161	11.19	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.65 dBi < 6 dBi, so the output power limit shall not be reduced.

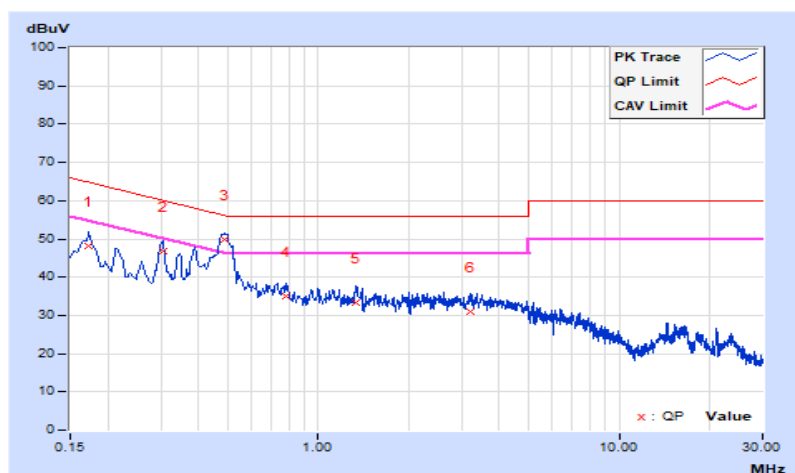
7.2 AC Power Conducted Emissions

RF Mode	802.11a	Channel	CH 116 : 5580 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	23°C, 67% RH
Tested By	Adair Peng		

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	0.17329	10.40	37.60	27.99	48.00	38.39	64.80	54.80	-16.80	-16.41
2	0.30455	10.47	36.39	32.93	46.86	43.40	60.12	50.12	-13.26	-6.72
3	0.48635	10.52	39.48	32.55	50.00	43.07	56.23	46.23	-6.23	-3.16
4	0.78159	10.54	24.48	17.09	35.02	27.63	56.00	46.00	-20.98	-18.37
5	1.34086	10.56	22.87	16.92	33.43	27.48	56.00	46.00	-22.57	-18.52
6	3.21423	10.63	20.38	14.03	31.01	24.66	56.00	46.00	-24.99	-21.34

Remarks:

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

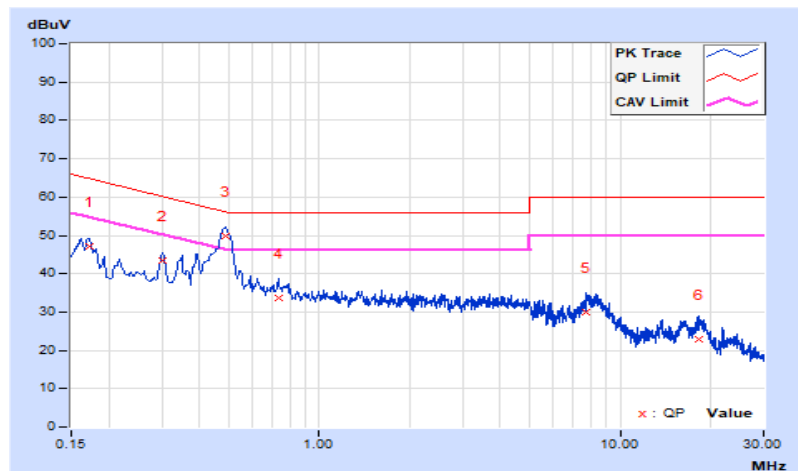


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	0.17347	10.45	36.67	25.65	47.12	36.10	64.79	54.79	-17.67	-18.69
2	0.30215	10.52	32.77	29.07	43.29	39.59	60.18	50.18	-16.89	-10.59
3	0.49026	10.56	39.38	33.11	49.94	43.67	56.16	46.16	-6.22	-2.49
4	0.73075	10.58	23.07	15.91	33.65	26.49	56.00	46.00	-22.35	-19.51
5	7.69077	10.81	18.99	12.13	29.80	22.94	60.00	50.00	-30.20	-27.06
6	18.27393	11.20	11.59	6.24	22.79	17.44	60.00	50.00	-37.21	-32.56

Remarks:

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



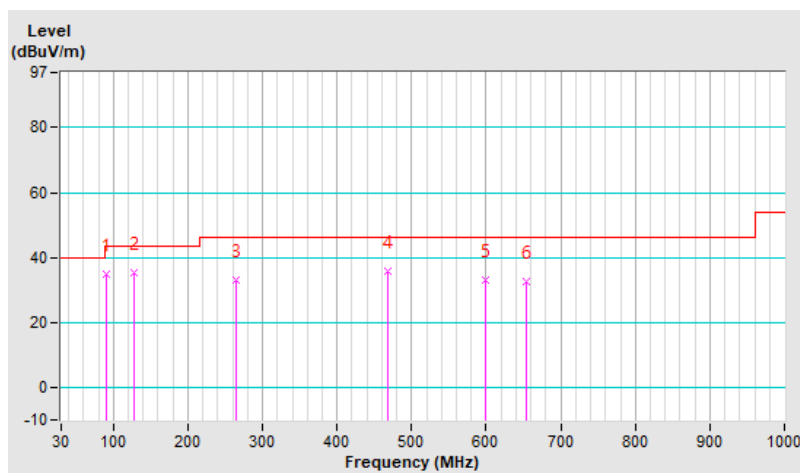
7.3 Unwanted Emissions below 1 GHz

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	90.14	34.9 QP	43.5	-8.6	2.00 H	207	49.9	-15.0
2	127.97	35.4 QP	43.5	-8.1	1.50 H	188	46.0	-10.6
3	263.77	33.1 QP	46.0	-12.9	1.01 H	106	42.1	-9.0
4	467.47	35.6 QP	46.0	-10.4	1.50 H	16	40.1	-4.5
5	599.39	32.9 QP	46.0	-13.1	1.01 H	231	34.7	-1.8
6	653.71	32.7 QP	46.0	-13.3	1.01 H	237	33.4	-0.7

Remarks:

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

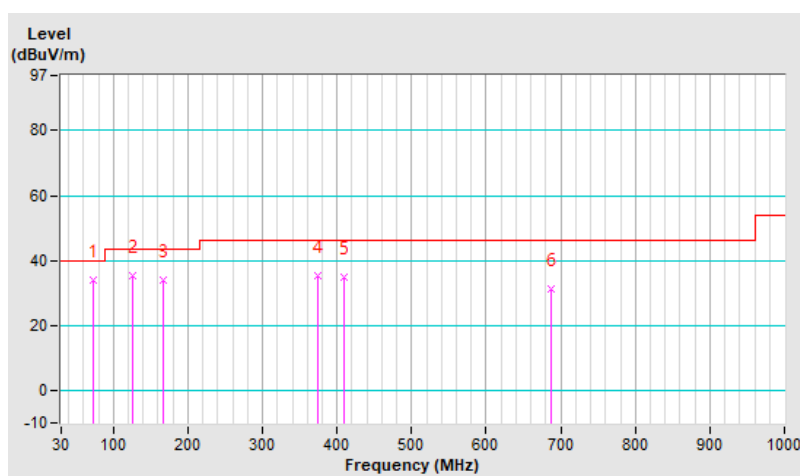


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	72.68	34.2 QP	40.0	-5.8	1.00 V	196	46.2	-12.0
2	126.03	35.5 QP	43.5	-8.0	1.00 V	16	46.3	-10.8
3	166.77	34.1 QP	43.5	-9.4	1.00 V	232	43.3	-9.2
4	373.38	35.5 QP	46.0	-10.5	1.50 V	16	41.9	-6.4
5	410.24	34.8 QP	46.0	-11.2	1.00 V	26	40.6	-5.8
6	687.66	31.4 QP	46.0	-14.6	2.00 V	177	31.7	-0.3

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.4 Unwanted Emissions above 1 GHz

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	2.50 H	245	40.4	20.7
2	5150.00	46.9 AV	54.0	-7.1	2.50 H	245	26.2	20.7
3	*5180.00	104.9 PK			2.50 H	245	64.3	40.6
4	*5180.00	95.5 AV			2.50 H	245	54.9	40.6
5	#10360.00	63.2 PK	68.2	-5.0	2.15 H	189	39.5	23.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.6 PK	74.0	-10.4	2.21 V	350	42.9	20.7
2	5150.00	48.9 AV	54.0	-5.1	2.21 V	350	28.2	20.7
3	*5180.00	113.3 PK			2.21 V	350	72.7	40.6
4	*5180.00	103.6 AV			2.21 V	350	63.0	40.6
5	#10360.00	63.5 PK	68.2	-4.7	1.88 V	275	39.8	23.7

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	108.3 PK			2.52 H	248	67.8	40.5
2	*5200.00	99.0 AV			2.52 H	248	58.5	40.5
3	#10400.00	62.4 PK	68.2	-5.8	2.07 H	191	38.6	23.8
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	*5200.00	116.5 PK			2.12 V	350	76.0	40.5
2	*5200.00	107.0 AV			2.12 V	350	66.5	40.5
3	#10400.00	62.6 PK	68.2	-5.6	1.90 V	268	38.8	23.8

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	107.6 PK			2.47 H	249	67.1	40.5
2	*5240.00	97.8 AV			2.47 H	249	57.3	40.5
3	5350.00	60.2 PK	74.0	-13.8	2.47 H	249	39.9	20.3
4	5350.00	46.1 AV	54.0	-7.9	2.47 H	249	25.8	20.3
5	#10480.00	63.3 PK	68.2	-4.9	2.21 H	190	38.8	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.7 PK			2.06 V	19	75.2	40.5
2	*5240.00	105.8 AV			2.06 V	19	65.3	40.5
3	5350.00	60.3 PK	74.0	-13.7	2.06 V	19	40.0	20.3
4	5350.00	46.3 AV	54.0	-7.7	2.06 V	19	26.0	20.3
5	#10480.00	63.4 PK	68.2	-4.8	1.85 V	261	38.9	24.5

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	2.45 H	248	39.1	20.7
2	5150.00	46.7 AV	54.0	-7.3	2.45 H	248	26.0	20.7
3	*5260.00	109.7 PK			2.45 H	248	69.2	40.5
4	*5260.00	100.0 AV			2.45 H	248	59.5	40.5
5	#10520.00	63.5 PK	68.2	-4.7	2.14 H	181	38.8	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	2.19 V	17	39.3	20.7
2	5150.00	46.8 AV	54.0	-7.2	2.19 V	17	26.1	20.7
3	*5260.00	117.9 PK			2.19 V	17	77.4	40.5
4	*5260.00	107.9 AV			2.19 V	17	67.4	40.5
5	#10520.00	64.0 PK	68.2	-4.2	1.81 V	257	39.3	24.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.5 PK			2.57 H	243	68.1	40.4
2	*5300.00	98.6 AV			2.57 H	243	58.2	40.4
3	5350.00	60.4 PK	74.0	-13.6	2.57 H	243	40.1	20.3
4	5350.00	47.3 AV	54.0	-6.7	2.57 H	243	27.0	20.3
5	10600.00	63.2 PK	74.0	-10.8	2.16 H	186	38.5	24.7
6	10600.00	50.8 AV	54.0	-3.2	2.16 H	186	26.1	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	116.3 PK			2.16 V	352	75.9	40.4
2	*5300.00	106.8 AV			2.16 V	352	66.4	40.4
3	5350.00	68.9 PK	74.0	-5.1	2.16 V	352	48.6	20.3
4	5350.00	53.6 AV	54.0	-0.4	2.16 V	352	33.3	20.3
5	10600.00	63.4 PK	74.0	-10.6	1.79 V	250	38.7	24.7
6	10600.00	51.0 AV	54.0	-3.0	1.79 V	250	26.3	24.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	105.5 PK			2.44 H	247	65.1	40.4
2	*5320.00	95.7 AV			2.44 H	247	55.3	40.4
3	5350.00	62.8 PK	74.0	-11.2	2.44 H	247	42.5	20.3
4	5350.00	48.5 AV	54.0	-5.5	2.44 H	247	28.2	20.3
5	10640.00	63.5 PK	74.0	-10.5	2.15 H	177	38.4	25.1
6	10640.00	51.0 AV	54.0	-3.0	2.15 H	177	25.9	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.3 PK			2.18 V	17	72.9	40.4
2	*5320.00	103.6 AV			2.18 V	17	63.2	40.4
3	5350.00	66.2 PK	74.0	-7.8	2.18 V	17	45.9	20.3
4	5350.00	52.9 AV	54.0	-1.1	2.18 V	17	32.6	20.3
5	10640.00	63.7 PK	74.0	-10.3	1.85 V	254	38.6	25.1
6	10640.00	51.1 AV	54.0	-2.9	1.85 V	254	26.0	25.1

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.5 PK	74.0	-13.5	2.70 H	248	39.7	20.8
2	5460.00	47.0 AV	54.0	-7.0	2.70 H	248	26.2	20.8
3	#5470.00	61.1 PK	68.2	-7.1	2.70 H	248	40.3	20.8
4	*5500.00	105.3 PK			2.70 H	248	64.3	41.0
5	*5500.00	95.5 AV			2.70 H	248	54.5	41.0
6	11000.00	62.4 PK	74.0	-11.6	2.13 H	180	37.1	25.3
7	11000.00	49.6 AV	54.0	-4.4	2.13 H	180	24.3	25.3
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	5460.00	60.6 PK	74.0	-13.4	2.05 V	351	39.8	20.8
2	5460.00	47.4 AV	54.0	-6.6	2.05 V	351	26.6	20.8
3	#5470.00	62.0 PK	68.2	-6.2	2.05 V	351	41.2	20.8
4	*5500.00	113.0 PK			2.05 V	351	72.0	41.0
5	*5500.00	103.2 AV			2.05 V	351	62.2	41.0
6	11000.00	62.6 PK	74.0	-11.4	1.76 V	264	37.3	25.3
7	11000.00	49.8 AV	54.0	-4.2	1.76 V	264	24.5	25.3

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 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, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.8 PK			2.63 H	249	68.7	41.1
2	*5580.00	99.7 AV			2.63 H	249	58.6	41.1
3	11160.00	63.9 PK	74.0	-10.1	2.09 H	175	38.6	25.3
4	11160.00	51.4 AV	54.0	-2.6	2.09 H	175	26.1	25.3
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	*5580.00	117.6 PK			1.99 V	352	76.5	41.1
2	*5580.00	107.4 AV			1.99 V	352	66.3	41.1
3	11160.00	64.2 PK	74.0	-9.8	1.87 V	256	38.9	25.3
4	11160.00	51.6 AV	54.0	-2.4	1.87 V	256	26.3	25.3

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.5 PK			2.75 H	250	63.2	41.3
2	*5700.00	94.7 AV			2.75 H	250	53.4	41.3
3	#5725.00	61.6 PK	68.2	-6.6	2.75 H	250	40.2	21.4
4	11400.00	63.1 PK	74.0	-10.9	2.09 H	175	37.4	25.7
5	11400.00	50.7 AV	54.0	-3.3	2.09 H	175	25.0	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	113.0 PK			2.07 V	3	71.7	41.3
2	*5700.00	102.3 AV			2.07 V	3	61.0	41.3
3	#5725.00	67.1 PK	68.2	-1.1	2.07 V	3	45.7	21.4
4	11400.00	63.2 PK	74.0	-10.8	1.85 V	257	37.5	25.7
5	11400.00	50.9 AV	54.0	-3.1	1.85 V	257	25.2	25.7

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.4 PK	68.2	-7.8	2.63 H	246	39.6	20.8
2	*5720.00	108.6 PK			2.63 H	246	67.2	41.4
3	*5720.00	99.1 AV			2.63 H	246	57.7	41.4
4	#5850.00	60.2 PK	68.2	-8.0	2.63 H	246	38.8	21.4
5	11440.00	63.7 PK	74.0	-10.3	2.20 H	190	38.0	25.7
6	11440.00	50.4 AV	54.0	-3.6	2.20 H	190	24.7	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.8 PK	68.2	-7.4	2.07 V	2	40.0	20.8
2	*5720.00	116.6 PK			2.07 V	2	75.2	41.4
3	*5720.00	106.7 AV			2.07 V	2	65.3	41.4
4	#5850.00	60.4 PK	68.2	-7.8	2.07 V	2	39.0	21.4
5	11440.00	63.9 PK	74.0	-10.1	1.76 V	255	38.2	25.7
6	11440.00	50.6 AV	54.0	-3.4	1.76 V	255	24.9	25.7

Remarks:

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

RF Mode	802.11a	Channel	CH 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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.40	59.8 PK	68.2	-8.4	2.45 H	250	38.5	21.3
2	*5745.00	108.9 PK			2.45 H	250	67.6	41.3
3	*5745.00	99.1 AV			2.45 H	250	57.8	41.3
4	#5991.20	61.6 PK	68.2	-6.6	2.45 H	250	39.3	22.3
5	11490.00	64.9 PK	74.0	-9.1	2.09 H	186	39.1	25.8
6	11490.00	51.0 AV	54.0	-3.0	2.09 H	186	25.2	25.8
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	60.3 PK	68.2	-7.9	2.03 V	3	39.0	21.3
2	*5745.00	117.5 PK			2.03 V	3	76.2	41.3
3	*5745.00	106.9 AV			2.03 V	3	65.6	41.3
4	#5929.60	61.1 PK	68.2	-7.1	2.03 V	3	39.0	22.1
5	11490.00	65.1 PK	74.0	-8.9	2.03 V	3	39.3	25.8
6	11490.00	51.2 AV	54.0	-2.8	2.03 V	3	25.4	25.8

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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.20	60.2 PK	68.2	-8.0	2.55 H	254	38.7	21.5
2	*5785.00	107.6 PK			2.55 H	254	66.2	41.4
3	*5785.00	97.9 AV			2.55 H	254	56.5	41.4
4	#5996.00	61.9 PK	68.2	-6.3	2.55 H	254	39.6	22.3
5	11570.00	64.9 PK	74.0	-9.1	2.10 H	188	39.3	25.6
6	11570.00	50.7 AV	54.0	-3.3	2.10 H	188	25.1	25.6
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	#5632.80	60.4 PK	68.2	-7.8	1.86 V	354	39.1	21.3
2	*5785.00	116.7 PK			1.86 V	354	75.3	41.4
3	*5785.00	106.7 AV			1.86 V	354	65.3	41.4
4	#5959.20	61.1 PK	68.2	-7.1	1.86 V	354	38.8	22.3
5	11570.00	65.2 PK	74.0	-8.8	1.87 V	256	39.6	25.6
6	11570.00	51.1 AV	54.0	-2.9	1.87 V	256	25.5	25.6

Remarks:

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

RF Mode	802.11a	Channel	CH 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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.00	60.2 PK	68.2	-8.0	2.63 H	252	38.8	21.4
2	*5825.00	107.7 PK			2.63 H	251	66.2	41.5
3	*5825.00	97.9 AV			2.63 H	251	56.4	41.5
4	#5973.20	62.1 PK	68.2	-6.1	2.63 H	252	39.8	22.3
5	11650.00	64.3 PK	74.0	-9.7	2.12 H	188	39.3	25.0
6	11650.00	50.5 AV	54.0	-3.5	2.12 H	188	25.5	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.80	59.9 PK	68.2	-8.3	1.91 V	355	38.7	21.2
2	*5825.00	116.2 PK			1.91 V	355	74.7	41.5
3	*5825.00	106.6 AV			1.91 V	355	65.1	41.5
4	#5964.00	61.1 PK	68.2	-7.1	1.91 V	355	38.8	22.3
5	11650.00	64.5 PK	74.0	-9.5	1.87 V	257	39.5	25.0
6	11650.00	50.8 AV	54.0	-3.2	1.87 V	257	25.8	25.0

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.6 PK	74.0	-12.4	2.55 H	243	40.9	20.7
2	5150.00	47.6 AV	54.0	-6.4	2.55 H	243	26.9	20.7
3	*5180.00	108.3 PK			2.55 H	243	67.7	40.6
4	*5180.00	95.1 AV			2.55 H	243	54.5	40.6
5	#10360.00	62.5 PK	68.2	-5.7	2.13 H	187	38.8	23.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.2 PK	74.0	-9.8	2.35 V	351	43.5	20.7
2	5150.00	50.1 AV	54.0	-3.9	2.35 V	351	29.4	20.7
3	*5180.00	115.7 PK			2.35 V	351	75.1	40.6
4	*5180.00	102.9 AV			2.35 V	351	62.3	40.6
5	#10360.00	62.7 PK	68.2	-5.5	1.94 V	253	39.0	23.7

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.8 PK			2.43 H	245	67.3	40.5
2	*5200.00	94.8 AV			2.43 H	245	54.3	40.5
3	#10400.00	62.4 PK	68.2	-5.8	2.20 H	197	38.6	23.8
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	*5200.00	116.2 PK			2.31 V	352	75.7	40.5
2	*5200.00	102.9 AV			2.31 V	352	62.4	40.5
3	#10400.00	62.6 PK	68.2	-5.6	1.90 V	262	38.8	23.8

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	108.9 PK			2.47 H	252	68.4	40.5
2	*5240.00	95.6 AV			2.47 H	252	55.1	40.5
3	5350.00	59.6 PK	74.0	-14.4	2.47 H	252	39.3	20.3
4	5350.00	46.5 AV	54.0	-7.5	2.47 H	252	26.2	20.3
5	#10480.00	63.5 PK	68.2	-4.7	2.07 H	184	39.0	24.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	116.4 PK			2.16 V	16	75.9	40.5
2	*5240.00	103.6 AV			2.16 V	16	63.1	40.5
3	5350.00	59.7 PK	74.0	-14.3	2.16 V	16	39.4	20.3
4	5350.00	46.6 AV	54.0	-7.4	2.16 V	16	26.3	20.3
5	#10480.00	64.0 PK	68.2	-4.2	1.92 V	259	39.5	24.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	2.38 H	255	38.9	20.7
2	5150.00	46.5 AV	54.0	-7.5	2.38 H	255	25.8	20.7
3	*5260.00	110.0 PK			2.38 H	255	69.5	40.5
4	*5260.00	96.7 AV			2.38 H	255	56.2	40.5
5	#10520.00	63.3 PK	68.2	-4.9	2.11 H	190	38.6	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	2.13 V	17	39.0	20.7
2	5150.00	46.6 AV	54.0	-7.4	2.13 V	17	25.9	20.7
3	*5260.00	117.7 PK			2.13 V	17	77.2	40.5
4	*5260.00	104.4 AV			2.13 V	17	63.9	40.5
5	#10520.00	63.5 PK	68.2	-4.7	1.81 V	249	38.8	24.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.5 PK			2.55 H	245	69.1	40.4
2	*5300.00	96.4 AV			2.55 H	245	56.0	40.4
3	10600.00	63.5 PK	74.0	-10.5	2.11 H	180	38.8	24.7
4	10600.00	50.8 AV	54.0	-3.2	2.11 H	180	26.1	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.4 PK			2.12 V	350	77.0	40.4
2	*5300.00	104.2 AV			2.12 V	350	63.8	40.4
3	10600.00	63.8 PK	74.0	-10.2	1.78 V	250	39.1	24.7
4	10600.00	51.0 AV	54.0	-3.0	1.78 V	250	26.3	24.7

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.4 PK			2.52 H	246	69.0	40.4
2	*5320.00	96.3 AV			2.52 H	246	55.9	40.4
3	5350.00	62.9 PK	74.0	-11.1	2.52 H	246	42.6	20.3
4	5350.00	49.0 AV	54.0	-5.0	2.52 H	246	28.7	20.3
5	10640.00	63.8 PK	74.0	-10.2	2.16 H	176	38.7	25.1
6	10640.00	50.9 AV	54.0	-3.1	2.16 H	176	25.8	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.5 PK			2.02 V	351	75.1	40.4
2	*5320.00	102.0 AV			2.02 V	351	61.6	40.4
3	5350.00	67.0 PK	74.0	-7.0	2.02 V	351	46.7	20.3
4	5350.00	53.3 AV	54.0	-0.7	2.02 V	351	33.0	20.3
5	10640.00	63.9 PK	74.0	-10.1	1.84 V	260	38.8	25.1
6	10640.00	51.1 AV	54.0	-2.9	1.84 V	260	26.0	25.1

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	2.57 H	250	39.3	20.8
2	5460.00	47.2 AV	54.0	-6.8	2.57 H	250	26.4	20.8
3	#5470.00	61.4 PK	68.2	-6.8	2.57 H	250	40.6	20.8
4	*5500.00	108.9 PK			2.57 H	250	67.9	41.0
5	*5500.00	95.3 AV			2.57 H	250	54.3	41.0
6	11000.00	62.9 PK	74.0	-11.1	2.08 H	177	37.6	25.3
7	11000.00	49.7 AV	54.0	-4.3	2.08 H	177	24.4	25.3
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	5460.00	61.5 PK	74.0	-12.5	2.08 V	351	40.7	20.8
2	5460.00	48.4 AV	54.0	-5.6	2.08 V	351	27.6	20.8
3	#5470.00	67.3 PK	68.2	-0.9	2.08 V	351	46.5	20.8
4	*5500.00	115.9 PK			2.08 V	351	74.9	41.0
5	*5500.00	103.1 AV			2.08 V	351	62.1	41.0
6	11000.00	63.2 PK	74.0	-10.8	1.74 V	259	37.9	25.3
7	11000.00	49.9 AV	54.0	-4.1	1.74 V	259	24.6	25.3

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 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, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	109.3 PK			2.73 H	249	68.2	41.1
2	*5580.00	96.6 AV			2.73 H	249	55.5	41.1
3	11160.00	64.3 PK	74.0	-9.7	2.11 H	184	39.0	25.3
4	11160.00	51.4 AV	54.0	-2.6	2.11 H	184	26.1	25.3
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	*5580.00	117.0 PK			1.93 V	352	75.9	41.1
2	*5580.00	104.3 AV			1.93 V	352	63.2	41.1
3	11160.00	64.7 PK	74.0	-9.3	1.80 V	255	39.4	25.3
4	11160.00	51.8 AV	54.0	-2.2	1.80 V	255	26.5	25.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.5 PK			2.67 H	246	63.2	41.3
2	*5700.00	91.1 AV			2.67 H	246	49.8	41.3
3	#5725.00	61.8 PK	68.2	-6.4	2.67 H	246	40.4	21.4
4	11400.00	63.7 PK	74.0	-10.3	2.00 H	176	38.0	25.7
5	11400.00	50.7 AV	54.0	-3.3	2.00 H	176	25.0	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.8 PK			2.12 V	352	70.5	41.3
2	*5700.00	99.0 AV			2.12 V	352	57.7	41.3
3	#5725.00	67.2 PK	68.2	-1.0	2.12 V	352	45.8	21.4
4	11400.00	63.9 PK	74.0	-10.1	1.74 V	263	38.2	25.7
5	11400.00	50.8 AV	54.0	-3.2	1.74 V	263	25.1	25.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.4 PK	68.2	-7.8	2.66 H	246	39.6	20.8
2	*5720.00	109.6 PK			2.66 H	246	68.2	41.4
3	*5720.00	95.9 AV			2.66 H	246	54.5	41.4
4	#5850.00	60.2 PK	68.2	-8.0	2.66 H	246	38.8	21.4
5	11440.00	64.0 PK	74.0	-10.0	2.04 H	190	38.3	25.7
6	11440.00	50.7 AV	54.0	-3.3	2.04 H	190	25.0	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.5 PK	68.2	-7.7	1.98 V	17	39.7	20.8
2	*5720.00	116.7 PK			1.98 V	17	75.3	41.4
3	*5720.00	103.5 AV			1.98 V	17	62.1	41.4
4	#5850.00	60.4 PK	68.2	-7.8	1.98 V	17	39.0	21.4
5	11440.00	64.2 PK	74.0	-9.8	1.81 V	254	38.5	25.7
6	11440.00	50.9 AV	54.0	-3.1	1.81 V	254	25.2	25.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	59.4 PK	68.2	-8.8	2.44 H	252	37.9	21.5
2	*5745.00	109.8 PK			2.44 H	252	68.5	41.3
3	*5745.00	96.7 AV			2.44 H	252	55.4	41.3
4	#5969.20	61.5 PK	68.2	-6.7	2.44 H	252	39.2	22.3
5	11490.00	65.2 PK	74.0	-8.8	2.12 H	183	39.4	25.8
6	11490.00	51.1 AV	54.0	-2.9	2.12 H	183	25.3	25.8
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	#5641.20	58.9 PK	68.2	-9.3	2.12 V	353	37.5	21.4
2	*5745.00	117.8 PK			2.12 V	353	76.5	41.3
3	*5745.00	104.5 AV			2.12 V	353	63.2	41.3
4	#5980.00	60.7 PK	68.2	-7.5	2.12 V	353	38.4	22.3
5	11490.00	65.4 PK	74.0	-8.6	1.87 V	252	39.6	25.8
6	11490.00	51.3 AV	54.0	-2.7	1.87 V	252	25.5	25.8

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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.80	61.3 PK	68.2	-6.9	2.42 H	252	39.8	21.5
2	*5785.00	108.4 PK			2.42 H	252	67.0	41.4
3	*5785.00	95.5 AV			2.42 H	252	54.1	41.4
4	#5963.60	61.4 PK	68.2	-6.8	2.42 H	252	39.1	22.3
5	11570.00	64.8 PK	74.0	-9.2	2.07 H	184	39.2	25.6
6	11570.00	50.8 AV	54.0	-3.2	2.07 H	184	25.2	25.6
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	#5625.20	60.2 PK	68.2	-8.0	1.98 V	353	38.9	21.3
2	*5785.00	118.0 PK			1.98 V	353	76.6	41.4
3	*5785.00	104.3 AV			1.98 V	353	62.9	41.4
4	#5946.40	61.2 PK	68.2	-7.0	1.98 V	353	39.0	22.2
5	11570.00	65.1 PK	74.0	-8.9	1.80 V	255	39.5	25.6
6	11570.00	51.1 AV	54.0	-2.9	1.80 V	255	25.5	25.6

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 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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.80	59.4 PK	68.2	-8.8	2.43 H	255	38.0	21.4
2	*5825.00	107.4 PK			2.43 H	255	65.9	41.5
3	*5825.00	94.6 AV			2.43 H	255	53.1	41.5
4	#5968.80	60.2 PK	68.2	-8.0	2.43 H	255	37.9	22.3
5	11650.00	64.6 PK	74.0	-9.4	2.17 H	185	39.6	25.0
6	11650.00	50.4 AV	54.0	-3.6	2.17 H	185	25.4	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.60	59.4 PK	68.2	-8.8	2.05 V	353	38.0	21.4
2	*5825.00	117.7 PK			2.05 V	353	76.2	41.5
3	*5825.00	104.0 AV			2.05 V	353	62.5	41.5
4	#5971.60	60.8 PK	68.2	-7.4	2.05 V	353	38.5	22.3
5	11650.00	64.8 PK	74.0	-9.2	1.83 V	259	39.8	25.0
6	11650.00	50.7 AV	54.0	-3.3	1.83 V	259	25.7	25.0

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.3 PK	74.0	-9.7	2.42 H	248	43.6	20.7
2	5150.00	50.6 AV	54.0	-3.4	2.42 H	248	29.9	20.7
3	*5190.00	103.0 PK			2.42 H	248	62.4	40.6
4	*5190.00	89.9 AV			2.42 H	248	49.3	40.6
5	#10380.00	62.3 PK	68.2	-5.9	2.14 H	179	38.5	23.8
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	67.8 PK	74.0	-6.2	2.16 V	352	47.1	20.7
2	5150.00	53.7 AV	54.0	-0.3	2.16 V	352	33.0	20.7
3	*5190.00	111.3 PK			2.16 V	352	70.7	40.6
4	*5190.00	97.6 AV			2.16 V	352	57.0	40.6
5	#10380.00	62.5 PK	68.2	-5.7	1.94 V	264	38.7	23.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	106.0 PK			2.54 H	249	65.5	40.5
2	*5230.00	92.8 AV			2.54 H	249	52.3	40.5
3	5350.00	59.8 PK	74.0	-14.2	2.54 H	249	39.5	20.3
4	5350.00	46.5 AV	54.0	-7.5	2.54 H	249	26.2	20.3
5	#10460.00	62.7 PK	68.2	-5.5	2.09 H	177	38.5	24.2
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	*5230.00	113.6 PK			2.23 V	351	73.1	40.5
2	*5230.00	100.5 AV			2.23 V	351	60.0	40.5
3	5350.00	59.9 PK	74.0	-14.1	2.23 V	351	39.6	20.3
4	5350.00	46.9 AV	54.0	-7.1	2.23 V	351	26.6	20.3
5	#10460.00	62.9 PK	68.2	-5.3	1.89 V	259	38.7	24.2

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	2.50 H	248	38.9	20.7
2	5150.00	46.5 AV	54.0	-7.5	2.50 H	248	25.8	20.7
3	*5270.00	106.9 PK			2.50 H	248	66.5	40.4
4	*5270.00	93.2 AV			2.50 H	248	52.8	40.4
5	#10540.00	63.6 PK	68.2	-4.6	1.97 H	185	38.9	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	2.16 V	18	39.0	20.7
2	5150.00	46.6 AV	54.0	-7.4	2.16 V	18	25.9	20.7
3	*5270.00	113.8 PK			2.16 V	18	73.4	40.4
4	*5270.00	101.0 AV			2.16 V	18	60.6	40.4
5	#10540.00	63.9 PK	68.2	-4.3	1.79 V	255	39.2	24.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	99.8 PK			2.40 H	247	59.4	40.4
2	*5310.00	86.2 AV			2.40 H	247	45.8	40.4
3	5350.00	59.7 PK	74.0	-14.3	2.40 H	247	39.4	20.3
4	5350.00	46.9 AV	54.0	-7.1	2.40 H	247	26.6	20.3
5	10620.00	63.7 PK	74.0	-10.3	2.05 H	176	38.7	25.0
6	10620.00	51.0 AV	54.0	-3.0	2.05 H	176	26.0	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.7 PK			2.09 V	352	66.3	40.4
2	*5310.00	94.0 AV			2.09 V	352	53.6	40.4
3	5350.00	67.9 PK	74.0	-6.1	2.09 V	352	47.6	20.3
4	5350.00	53.6 AV	54.0	-0.4	2.09 V	352	33.3	20.3
5	10620.00	63.9 PK	74.0	-10.1	1.77 V	258	38.9	25.0
6	10620.00	51.2 AV	54.0	-2.8	1.77 V	258	26.2	25.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.3 PK	74.0	-13.7	2.54 H	253	39.5	20.8
2	5460.00	46.8 AV	54.0	-7.2	2.54 H	253	26.0	20.8
3	#5470.00	60.3 PK	68.2	-7.9	2.54 H	253	39.5	20.8
4	*5510.00	98.4 PK			2.54 H	253	57.4	41.0
5	*5510.00	85.4 AV			2.54 H	253	44.4	41.0
6	11020.00	64.5 PK	74.0	-9.5	2.10 H	185	39.1	25.4
7	11020.00	51.4 AV	54.0	-2.6	2.10 H	185	26.0	25.4
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	5460.00	60.5 PK	74.0	-13.5	2.05 V	354	39.7	20.8
2	5460.00	48.0 AV	54.0	-6.0	2.05 V	354	27.2	20.8
3	#5470.00	67.2 PK	68.2	-1.0	2.05 V	354	46.4	20.8
4	*5510.00	106.1 PK			2.05 V	354	65.1	41.0
5	*5510.00	93.5 AV			2.05 V	354	52.5	41.0
6	11020.00	64.7 PK	74.0	-9.3	1.88 V	254	39.3	25.4
7	11020.00	51.7 AV	54.0	-2.3	1.88 V	254	26.3	25.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	2.51 H	253	39.1	20.8
2	5460.00	47.3 AV	54.0	-6.7	2.51 H	253	26.5	20.8
3	#5470.00	60.6 PK	68.2	-7.6	2.51 H	253	39.8	20.8
4	*5550.00	106.6 PK			2.51 H	253	65.5	41.1
5	*5550.00	93.9 AV			2.51 H	253	52.8	41.1
6	11100.00	64.8 PK	74.0	-9.2	2.13 H	185	39.0	25.8
7	11100.00	51.6 AV	54.0	-2.4	2.13 H	185	25.8	25.8
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	5460.00	61.6 PK	74.0	-12.4	2.06 V	351	40.8	20.8
2	5460.00	49.0 AV	54.0	-5.0	2.06 V	351	28.2	20.8
3	#5470.00	67.6 PK	68.2	-0.6	2.06 V	351	46.8	20.8
4	*5550.00	115.2 PK			2.06 V	351	74.1	41.1
5	*5550.00	102.0 AV			2.06 V	351	60.9	41.1
6	11100.00	65.1 PK	74.0	-8.9	1.78 V	265	39.3	25.8
7	11100.00	51.8 AV	54.0	-2.2	1.78 V	265	26.0	25.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	105.1 PK			2.49 H	254	63.7	41.4
2	*5670.00	91.9 AV			2.49 H	254	50.5	41.4
3	#5725.00	62.1 PK	68.2	-6.1	2.49 H	254	40.7	21.4
4	11340.00	64.9 PK	74.0	-9.1	2.14 H	185	39.4	25.5
5	11340.00	51.2 AV	54.0	-2.8	2.14 H	185	25.7	25.5
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	*5670.00	111.8 PK			2.06 V	352	70.4	41.4
2	*5670.00	99.0 AV			2.06 V	352	57.6	41.4
3	#5725.00	67.3 PK	68.2	-0.9	2.06 V	352	45.9	21.4
4	11340.00	65.1 PK	74.0	-8.9	1.86 V	253	39.6	25.5
5	11340.00	51.4 AV	54.0	-2.6	1.86 V	253	25.9	25.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.3 PK	68.2	-7.9	2.48 H	251	39.5	20.8
2	*5710.00	105.6 PK			2.48 H	251	64.2	41.4
3	*5710.00	93.0 AV			2.48 H	251	51.6	41.4
4	#5850.00	60.8 PK	68.2	-7.4	2.48 H	251	39.4	21.4
5	11420.00	65.2 PK	74.0	-8.8	2.08 H	184	39.5	25.7
6	11420.00	51.7 AV	54.0	-2.3	2.08 H	184	26.0	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.4 PK	68.2	-7.8	2.03 V	17	39.6	20.8
2	*5710.00	113.9 PK			2.03 V	17	72.5	41.4
3	*5710.00	100.6 AV			2.03 V	17	59.2	41.4
4	#5850.00	61.0 PK	68.2	-7.2	2.03 V	17	39.6	21.4
5	11420.00	65.4 PK	74.0	-8.6	1.87 V	258	39.7	25.7
6	11420.00	51.8 AV	54.0	-2.2	1.87 V	258	26.1	25.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.20	60.2 PK	68.2	-8.0	2.56 H	248	39.0	21.2
2	*5755.00	105.5 PK			2.56 H	248	64.2	41.3
3	*5755.00	93.1 AV			2.56 H	248	51.8	41.3
4	#5975.20	61.6 PK	68.2	-6.6	2.56 H	248	39.3	22.3
5	11510.00	64.8 PK	74.0	-9.2	2.14 H	186	39.0	25.8
6	11510.00	51.2 AV	54.0	-2.8	2.14 H	186	25.4	25.8
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	#5614.00	60.9 PK	68.2	-7.3	2.00 V	351	39.7	21.2
2	*5755.00	113.9 PK			2.00 V	351	72.6	41.3
3	*5755.00	101.3 AV			2.00 V	351	60.0	41.3
4	#5970.00	61.0 PK	68.2	-7.2	2.00 V	351	38.7	22.3
5	11510.00	65.1 PK	74.0	-8.9	1.87 V	252	39.3	25.8
6	11510.00	51.3 AV	54.0	-2.7	1.87 V	252	25.5	25.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.80	59.9 PK	68.2	-8.3	2.65 H	244	38.5	21.4
2	*5795.00	106.7 PK			2.65 H	244	65.3	41.4
3	*5795.00	92.9 AV			2.65 H	244	51.5	41.4
4	#5960.80	61.7 PK	68.2	-6.5	2.65 H	244	39.4	22.3
5	11590.00	65.1 PK	74.0	-8.9	2.10 H	189	39.4	25.7
6	11590.00	51.1 AV	54.0	-2.9	2.10 H	189	25.4	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.20	60.7 PK	68.2	-7.5	2.04 V	354	39.3	21.4
2	*5795.00	113.7 PK			2.04 V	354	72.3	41.4
3	*5795.00	101.3 AV			2.04 V	354	59.9	41.4
4	#5956.00	61.0 PK	68.2	-7.2	2.04 V	354	38.8	22.2
5	11590.00	65.3 PK	74.0	-8.7	1.83 V	254	39.6	25.7
6	11590.00	51.3 AV	54.0	-2.7	1.83 V	254	25.6	25.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5143.00	61.2 PK	74.0	-12.8	2.37 H	248	40.5	20.7
2	5143.00	48.3 AV	54.0	-5.7	2.37 H	248	27.6	20.7
3	*5210.00	98.4 PK			2.37 H	248	57.9	40.5
4	*5210.00	86.0 AV			2.37 H	248	45.5	40.5
5	#10420.00	62.0 PK	68.2	-6.2	2.08 H	188	38.0	24.0
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	5143.00	66.2 PK	74.0	-7.8	2.05 V	352	45.5	20.7
2	5143.00	52.9 AV	54.0	-1.1	2.05 V	352	32.2	20.7
3	*5210.00	106.6 PK			2.05 V	352	66.1	40.5
4	*5210.00	93.7 AV			2.05 V	352	53.2	40.5
5	#10420.00	62.1 PK	68.2	-6.1	1.85 V	264	38.1	24.0

Remarks:

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

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	95.4 PK			2.38 H	248	55.0	40.4
2	*5290.00	83.1 AV			2.38 H	248	42.7	40.4
3	5350.00	60.8 PK	74.0	-13.2	2.38 H	248	40.5	20.3
4	5350.00	47.5 AV	54.0	-6.5	2.38 H	248	27.2	20.3
5	#10580.00	63.4 PK	68.2	-4.8	2.06 H	184	38.7	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	104.8 PK			2.25 V	351	64.4	40.4
2	*5290.00	90.8 AV			2.25 V	351	50.4	40.4
3	5350.00	67.7 PK	74.0	-6.3	2.25 V	351	47.4	20.3
4	5350.00	53.1 AV	54.0	-0.9	2.25 V	351	32.8	20.3
5	#10580.00	63.7 PK	68.2	-4.5	1.88 V	265	39.0	24.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.4 PK	74.0	-13.6	2.52 H	252	39.6	20.8
2	5460.00	47.5 AV	54.0	-6.5	2.52 H	252	26.7	20.8
3	#5470.00	61.8 PK	68.2	-6.4	2.52 H	252	41.0	20.8
4	*5530.00	95.0 PK			2.52 H	252	54.0	41.0
5	*5530.00	82.0 AV			2.52 H	252	41.0	41.0
6	11060.00	64.9 PK	74.0	-9.1	2.10 H	186	39.3	25.6
7	11060.00	51.6 AV	54.0	-2.4	2.10 H	186	26.0	25.6
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	5460.00	65.3 PK	74.0	-8.7	2.06 V	352	44.5	20.8
2	5460.00	51.8 AV	54.0	-2.2	2.06 V	352	31.0	20.8
3	#5470.00	67.8 PK	68.2	-0.4	2.06 V	352	47.0	20.8
4	*5530.00	102.6 PK			2.06 V	352	61.6	41.0
5	*5530.00	90.2 AV			2.06 V	352	49.2	41.0
6	11060.00	65.1 PK	74.0	-8.9	1.77 V	257	39.5	25.6
7	11060.00	51.8 AV	54.0	-2.2	1.77 V	257	26.2	25.6

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 (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	101.2 PK			2.59 H	246	60.0	41.2
2	*5610.00	89.0 AV			2.59 H	246	47.8	41.2
3	#5725.00	61.7 PK	68.2	-6.5	2.59 H	246	40.3	21.4
4	11220.00	64.5 PK	74.0	-9.5	2.15 H	183	39.5	25.0
5	11220.00	50.9 AV	54.0	-3.1	2.15 H	183	25.9	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	109.2 PK			2.10 V	351	68.0	41.2
2	*5610.00	97.0 AV			2.10 V	351	55.8	41.2
3	#5725.00	68.0 PK	68.2	-0.2	2.10 V	351	46.6	21.4
4	11220.00	64.8 PK	74.0	-9.2	1.92 V	258	39.8	25.0
5	11220.00	51.2 AV	54.0	-2.8	1.92 V	258	26.2	25.0

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.1 PK	68.2	-8.1	2.50 H	252	39.3	20.8
2	*5690.00	102.7 PK			2.50 H	252	61.3	41.4
3	*5690.00	90.0 AV			2.50 H	252	48.6	41.4
4	#5850.00	61.0 PK	68.2	-7.2	2.50 H	252	39.6	21.4
5	11380.00	65.1 PK	74.0	-8.9	2.12 H	184	39.5	25.6
6	11380.00	51.7 AV	54.0	-2.3	2.12 H	184	26.1	25.6
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	#5470.00	60.3 PK	68.2	-7.9	1.92 V	16	39.5	20.8
2	*5690.00	109.8 PK			1.92 V	16	68.4	41.4
3	*5690.00	96.8 AV			1.92 V	16	55.4	41.4
4	#5850.00	61.3 PK	68.2	-6.9	1.92 V	16	39.9	21.4
5	11380.00	65.2 PK	74.0	-8.8	1.82 V	257	39.6	25.6
6	11380.00	51.9 AV	54.0	-2.1	1.82 V	257	26.3	25.6

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 (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.00	61.1 PK	68.2	-7.1	2.56 H	248	39.6	21.5
2	*5775.00	102.4 PK			2.56 H	248	61.0	41.4
3	*5775.00	89.2 AV			2.56 H	248	47.8	41.4
4	#5980.00	61.8 PK	68.2	-6.4	2.56 H	248	39.5	22.3
5	11550.00	64.9 PK	74.0	-9.1	2.15 H	183	39.3	25.6
6	11550.00	51.1 AV	54.0	-2.9	2.15 H	183	25.5	25.6
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	#5640.80	63.5 PK	68.2	-4.7	1.92 V	352	42.1	21.4
2	*5775.00	111.4 PK			1.92 V	352	70.0	41.4
3	*5775.00	97.4 AV			1.92 V	352	56.0	41.4
4	#5939.20	61.6 PK	68.2	-6.6	1.92 V	352	39.4	22.2
5	11550.00	65.0 PK	74.0	-9.0	1.80 V	257	39.4	25.6
6	11550.00	51.4 AV	54.0	-2.6	1.80 V	257	25.8	25.6

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 (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5147.00	60.5 PK	74.0	-13.5	2.55 H	245	39.8	20.7
2	5147.00	47.2 AV	54.0	-6.8	2.55 H	245	26.5	20.7
3	*5250.00	95.5 PK			2.55 H	245	55.0	40.5
4	*5250.00	82.7 AV			2.55 H	245	42.2	40.5
5	5355.00	62.4 PK	74.0	-11.6	2.55 H	245	42.0	20.4
6	5355.00	48.9 AV	54.0	-5.1	2.55 H	245	28.5	20.4
7	#10500.00	63.3 PK	68.2	-4.9	1.97 H	176	38.6	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5147.00	64.1 PK	74.0	-9.9	2.25 V	19	43.4	20.7
2	5147.00	51.4 AV	54.0	-2.6	2.25 V	19	30.7	20.7
3	*5250.00	103.4 PK			2.25 V	19	62.9	40.5
4	*5250.00	90.5 AV			2.25 V	19	50.0	40.5
5	5355.00	67.0 PK	74.0	-7.0	2.25 V	19	46.6	20.4
6	5355.00	53.7 AV	54.0	-0.3	2.25 V	19	33.3	20.4
7	#10500.00	63.5 PK	68.2	-4.7	1.81 V	258	38.8	24.7

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 114 : 5570 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	21.3°C, 76.8% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.0 PK	74.0	-13.0	3.27 H	251	40.2	20.8
2	5460.00	47.6 AV	54.0	-6.4	3.27 H	251	26.8	20.8
3	#5470.00	61.2 PK	68.2	-7.0	3.27 H	251	40.4	20.8
4	*5570.00	93.3 PK			3.27 H	251	52.2	41.1
5	*5570.00	80.1 AV			3.27 H	251	39.0	41.1
6	#5725.00	61.3 PK	68.2	-6.9	3.27 H	251	39.9	21.4
7	11140.00	64.4 PK	74.0	-9.6	2.10 H	185	39.0	25.4
8	11140.00	50.7 AV	54.0	-3.3	2.10 H	185	25.3	25.4
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	5460.00	64.7 PK	74.0	-9.3	2.03 V	352	43.9	20.8
2	5460.00	52.1 AV	54.0	-1.9	2.03 V	352	31.3	20.8
3	#5470.00	67.3 PK	68.2	-0.9	2.03 V	352	46.5	20.8
4	*5570.00	100.5 PK			2.03 V	352	59.4	41.1
5	*5570.00	88.4 AV			2.03 V	352	47.3	41.1
6	#5725.00	63.3 PK	68.2	-4.9	2.03 V	352	41.9	21.4
7	11140.00	64.7 PK	74.0	-9.3	1.85 V	254	39.3	25.4
8	11140.00	50.9 AV	54.0	-3.1	1.85 V	254	25.5	25.4

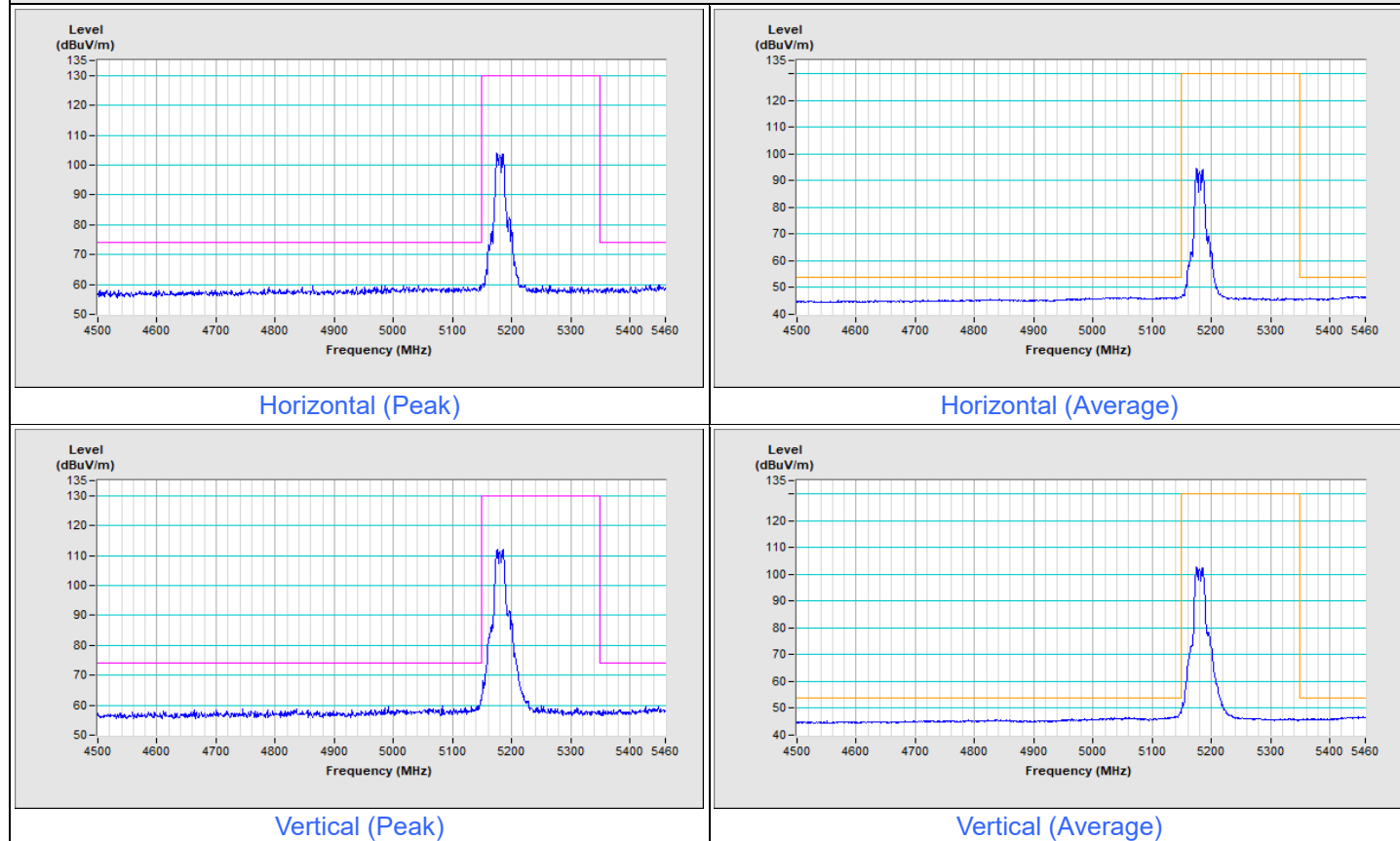
Remarks:

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.

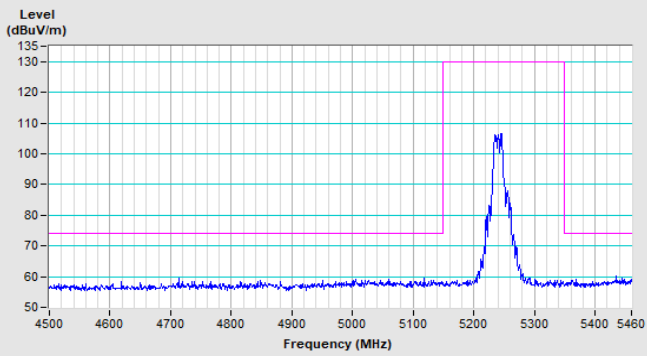
Plot of Band Edge

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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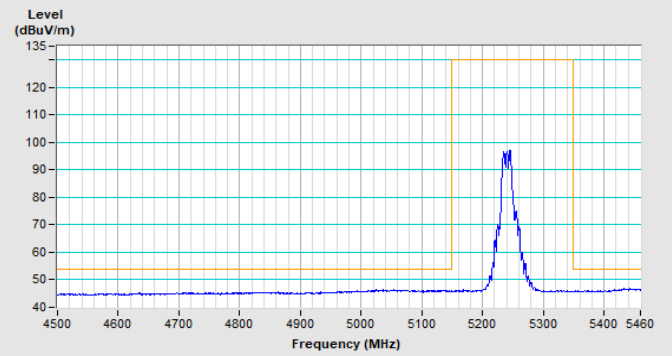
802.11a Channel 36



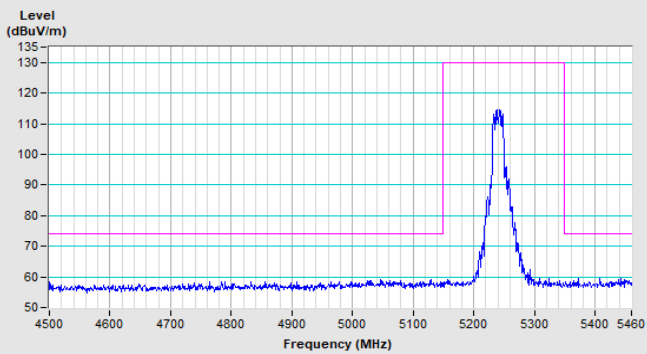
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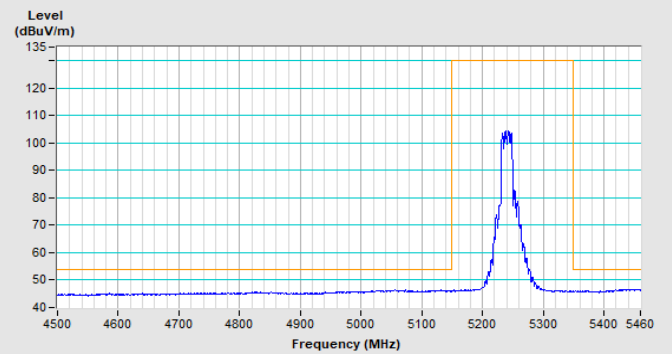
Horizontal (Peak)



Horizontal (Average)



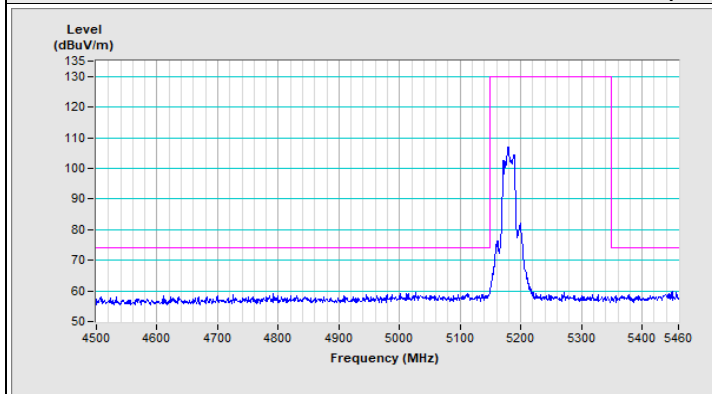
Vertical (Peak)



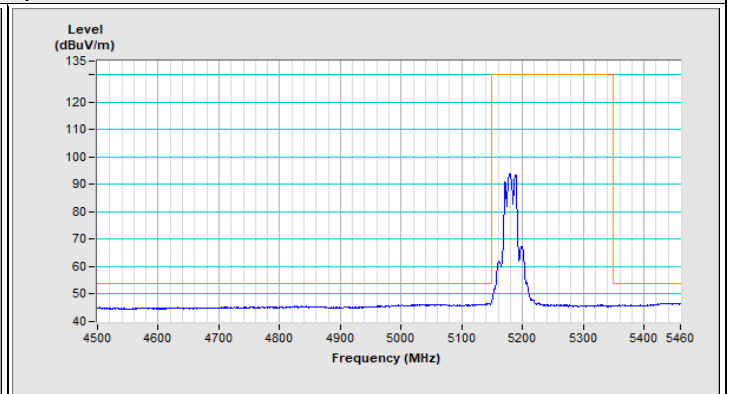
Vertical (Average)

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
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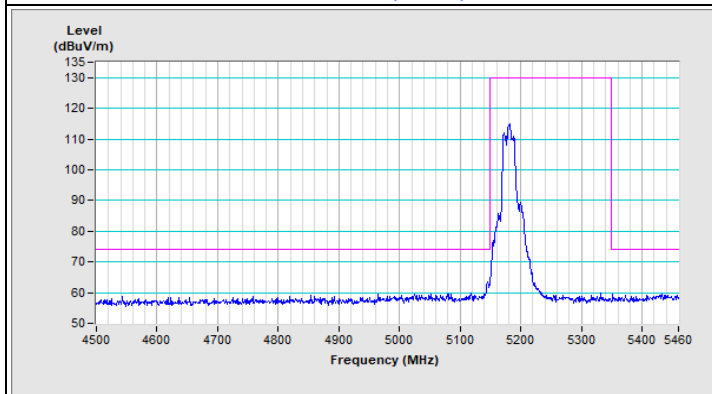
802.11ax (HE20) Channel 36



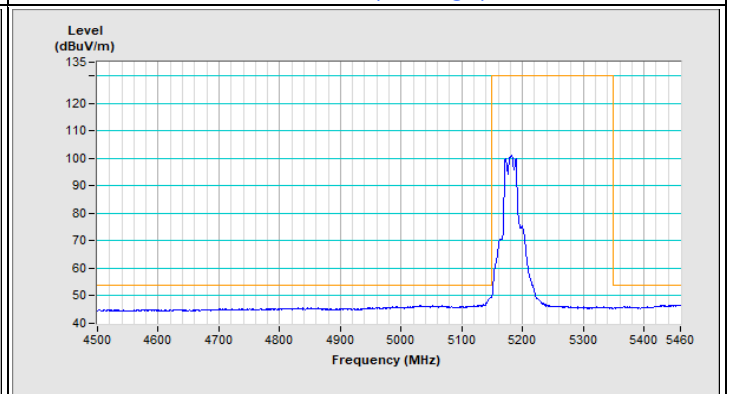
Horizontal (Peak)



Horizontal (Average)

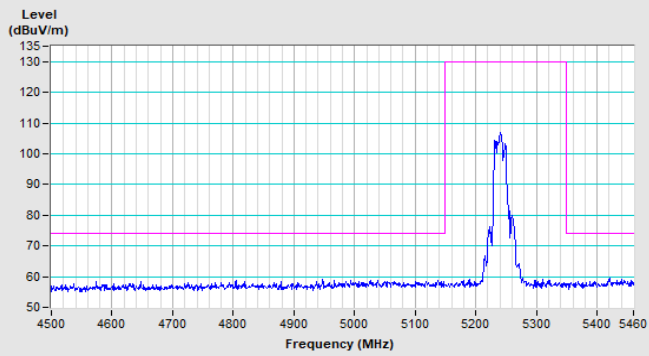


Vertical (Peak)

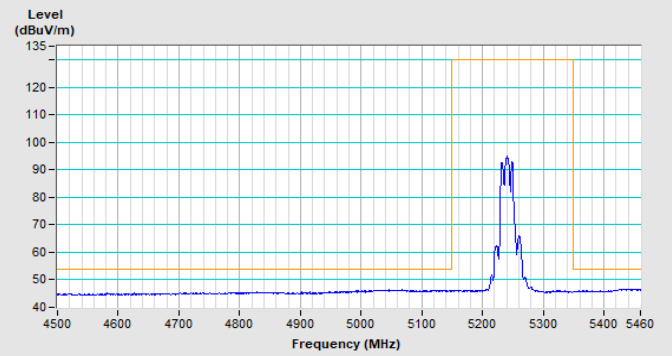


Vertical (Average)

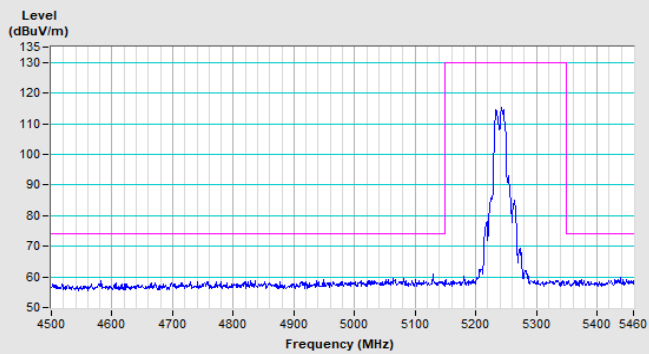
802.11ax (HE20) Channel 48



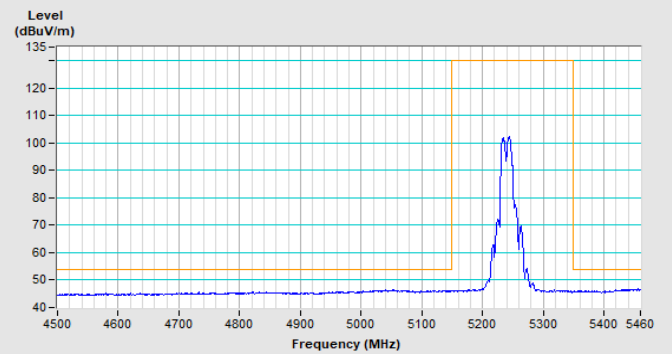
Horizontal (Peak)



Horizontal (Average)



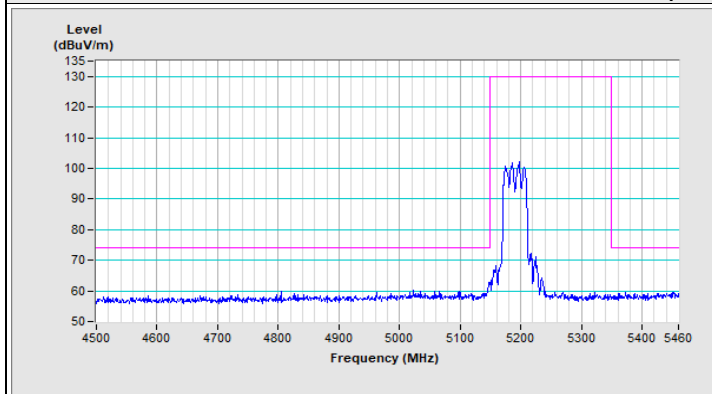
Vertical (Peak)



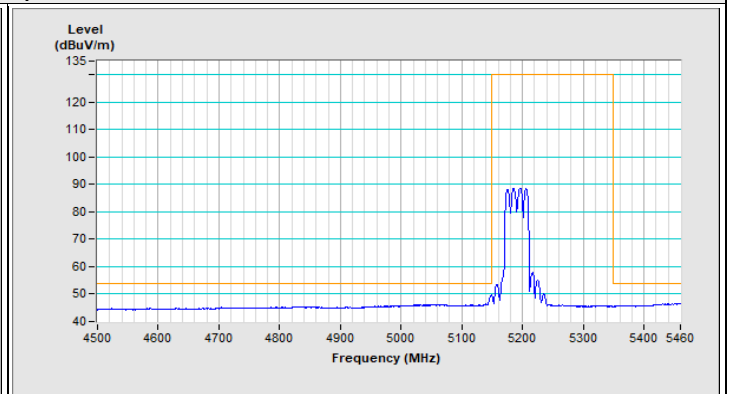
Vertical (Average)

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
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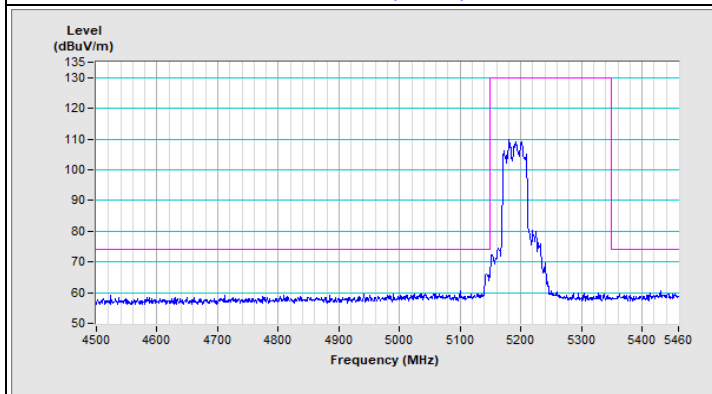
802.11ax (HE40) Channel 38



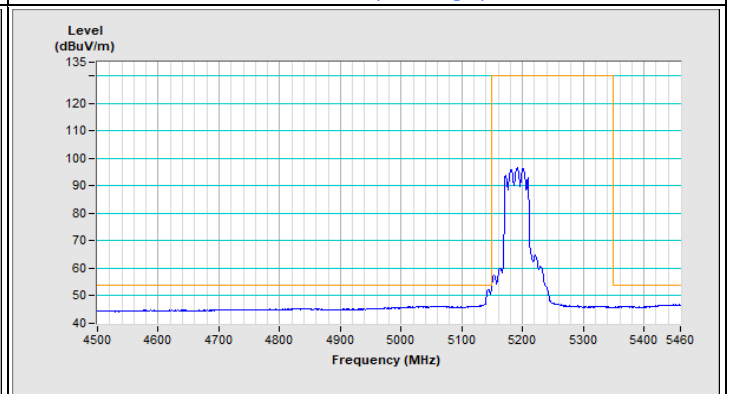
Horizontal (Peak)



Horizontal (Average)

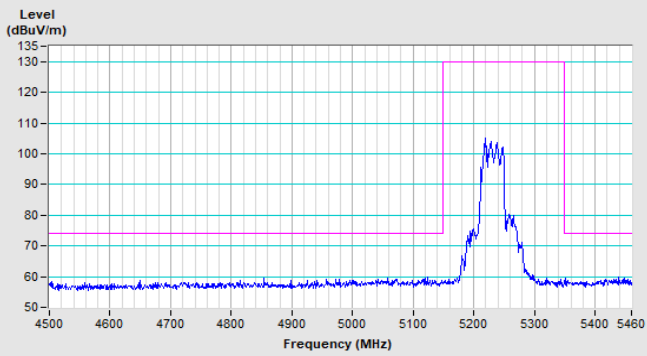


Vertical (Peak)

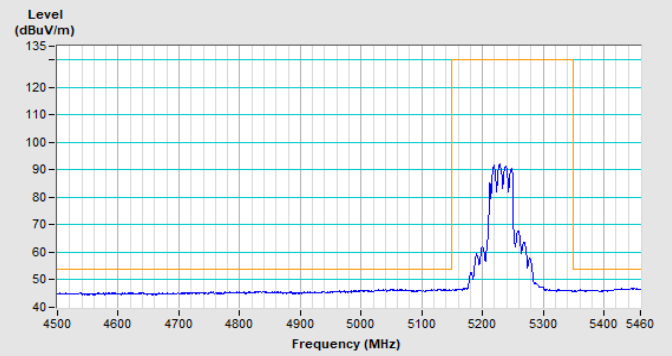


Vertical (Average)

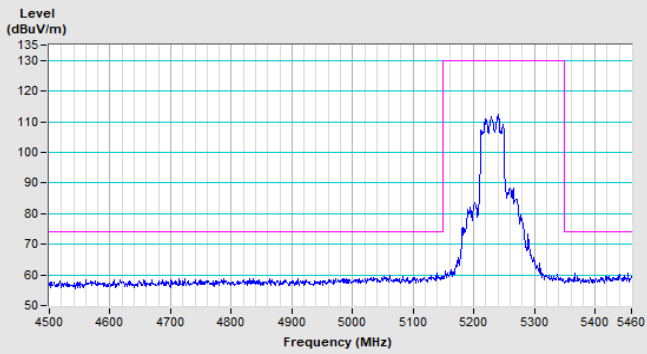
802.11ax (HE40) Channel 46



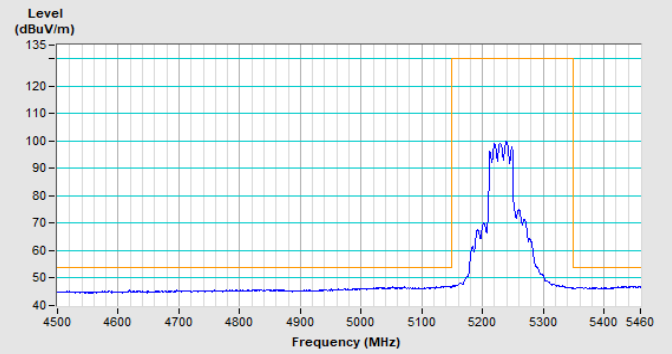
Horizontal (Peak)



Horizontal (Average)



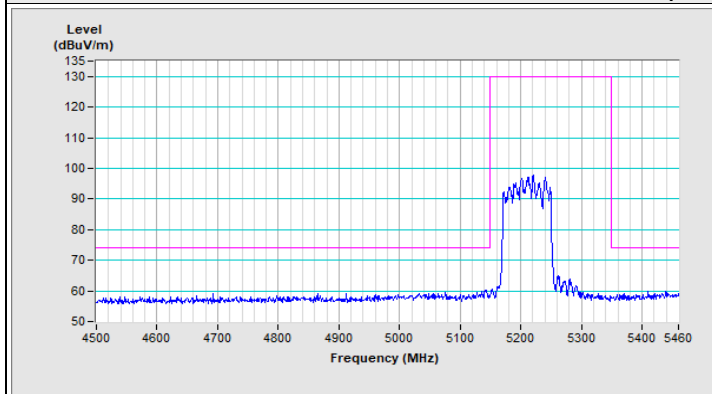
Vertical (Peak)



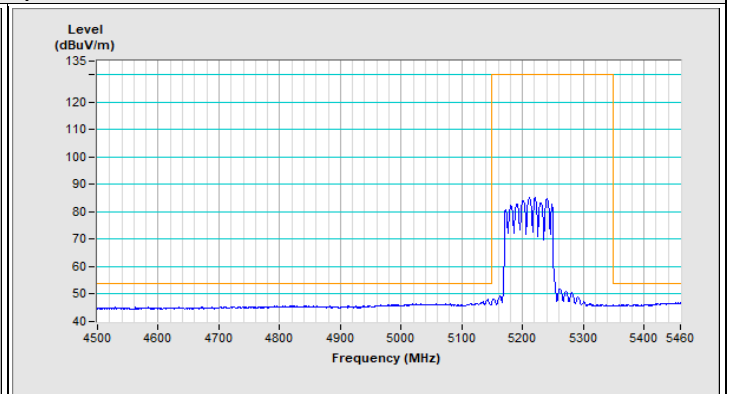
Vertical (Average)

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
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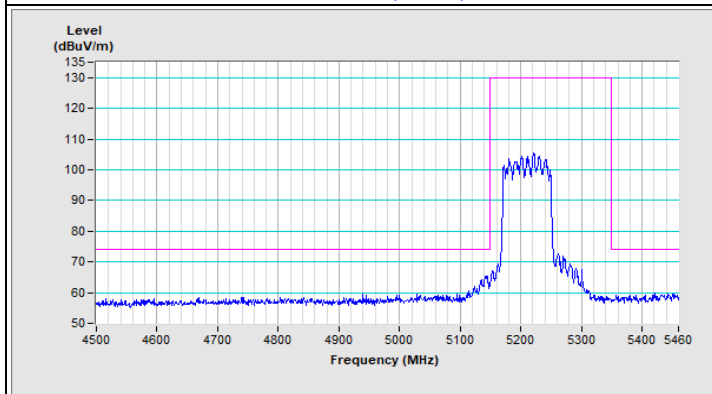
802.11ax (HE80) Channel 42



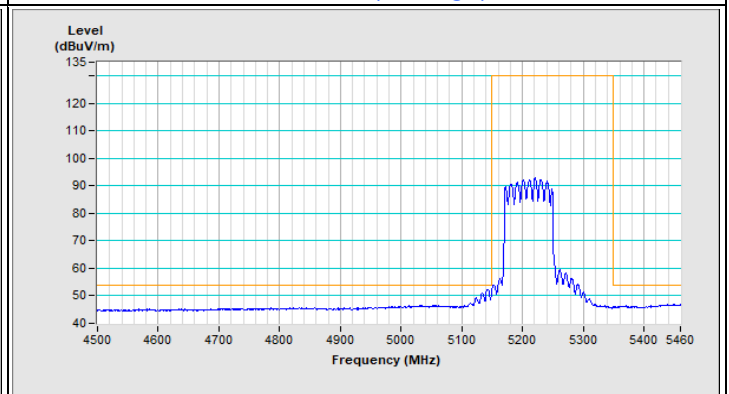
Horizontal (Peak)



Horizontal (Average)



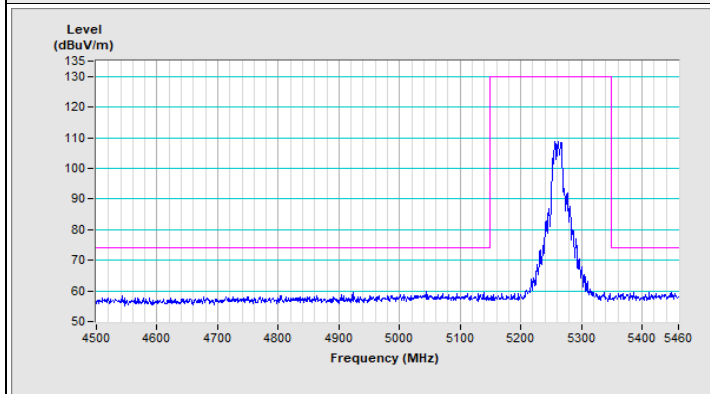
Vertical (Peak)



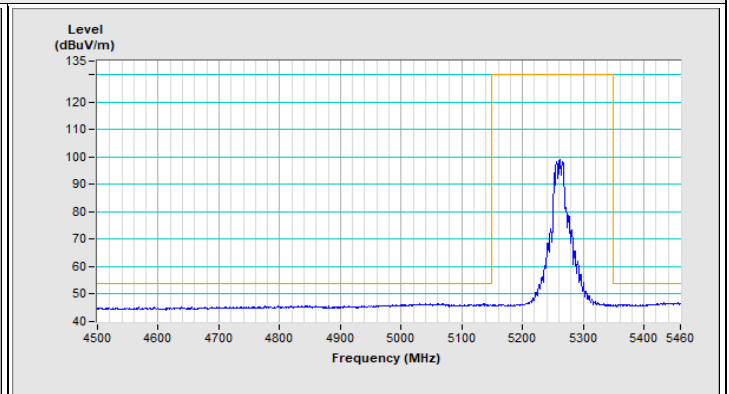
Vertical (Average)

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
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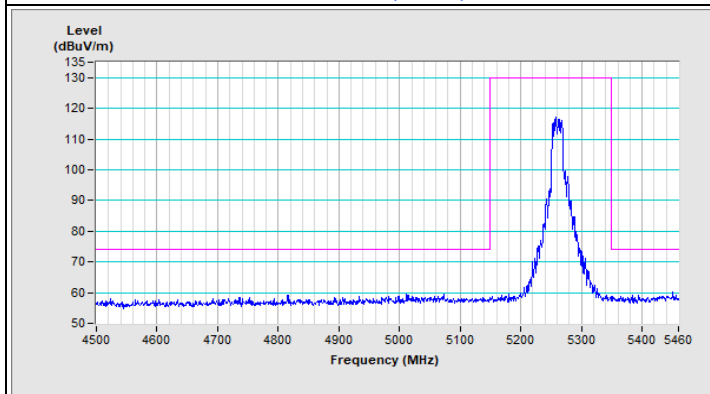
802.11a Channel 52



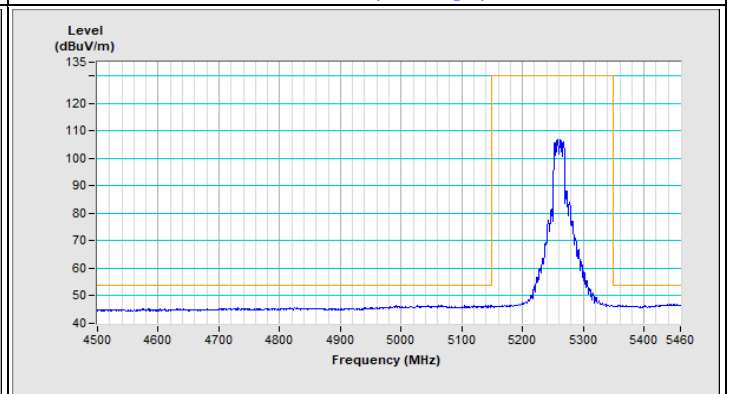
Horizontal (Peak)



Horizontal (Average)

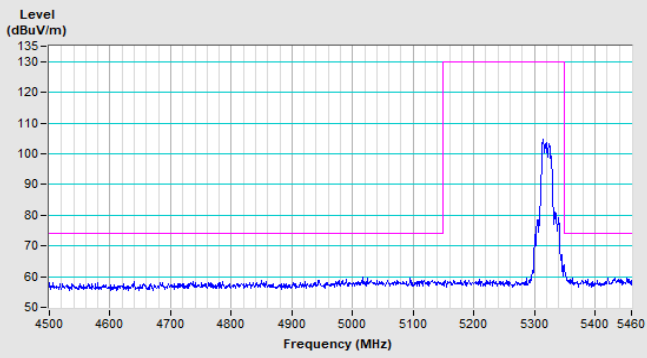


Vertical (Peak)

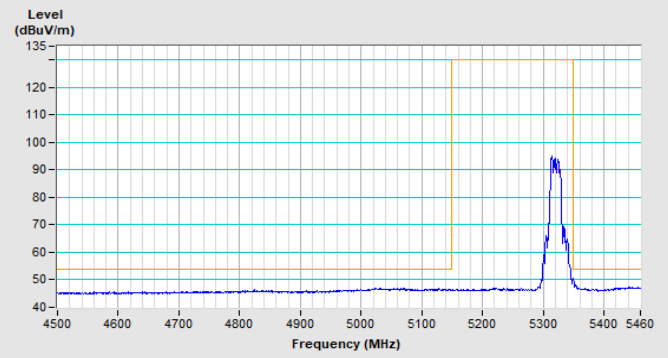


Vertical (Average)

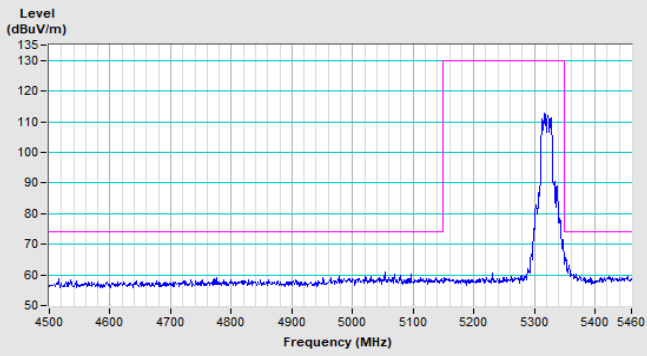
802.11a Channel 64



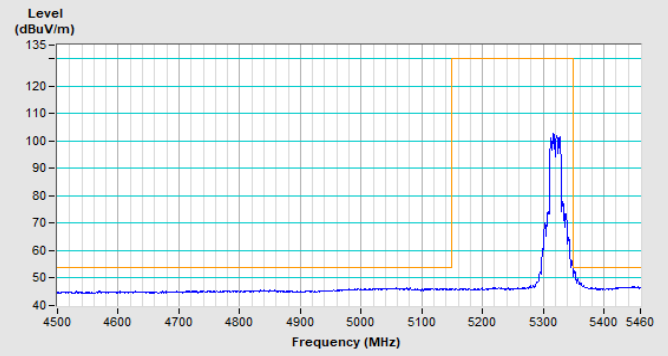
Horizontal (Peak)



Horizontal (Average)



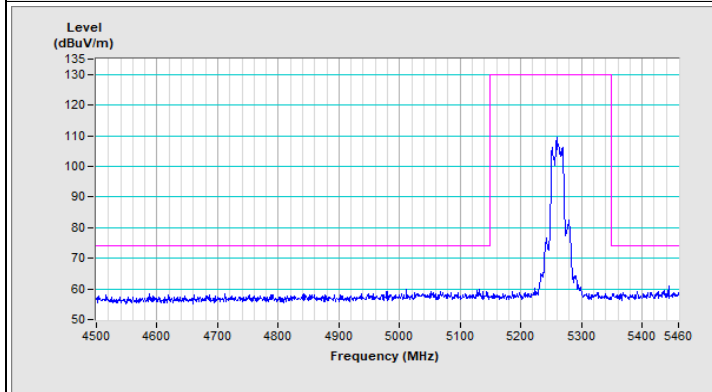
Vertical (Peak)



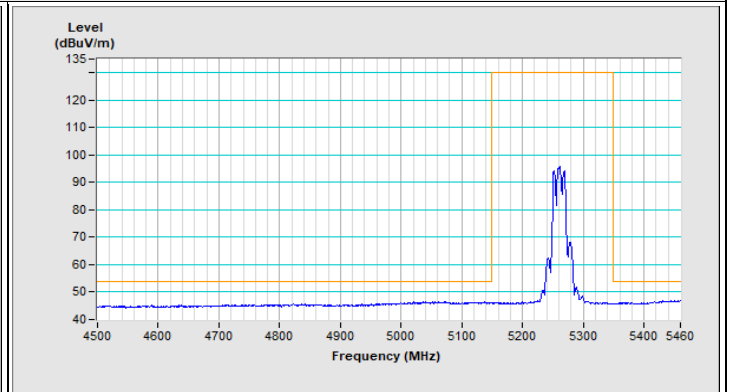
Vertical (Average)

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
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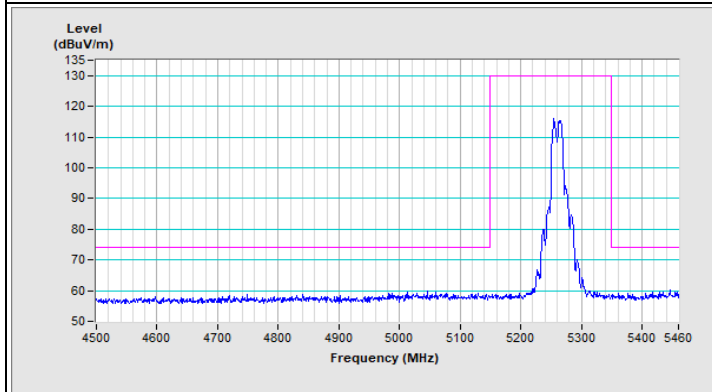
802.11ax (HE20) Channel 52



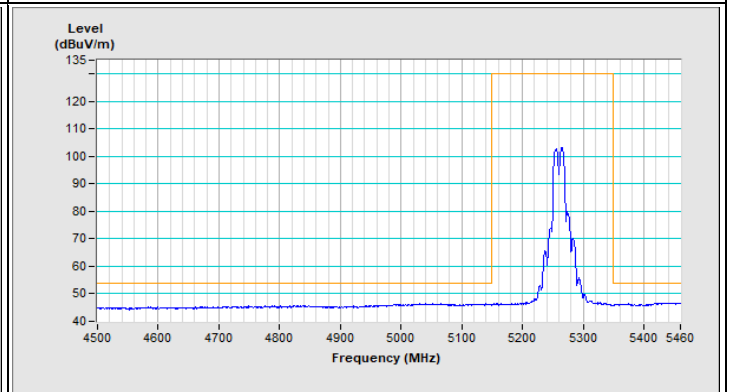
Horizontal (Peak)



Horizontal (Average)

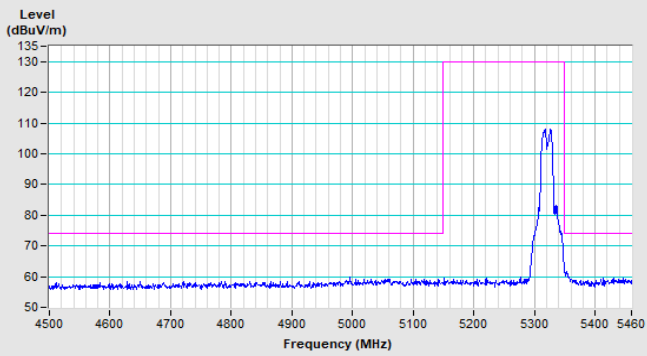


Vertical (Peak)

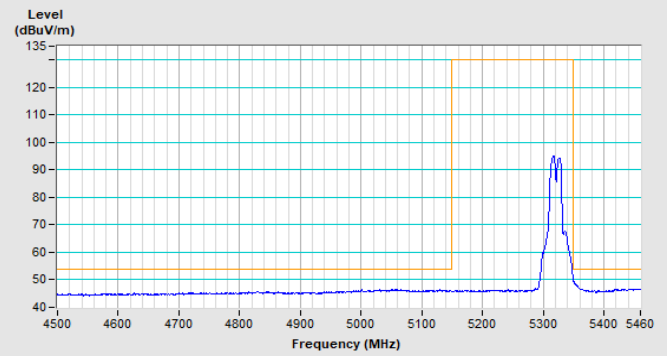


Vertical (Average)

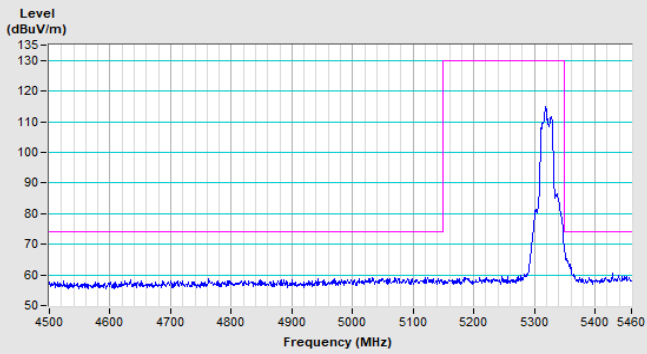
802.11ax (HE20) Channel 64



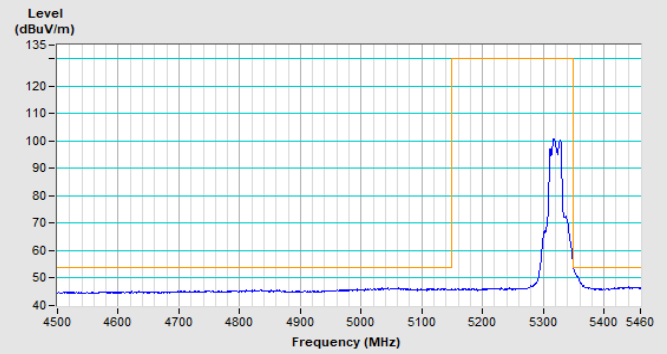
Horizontal (Peak)



Horizontal (Average)



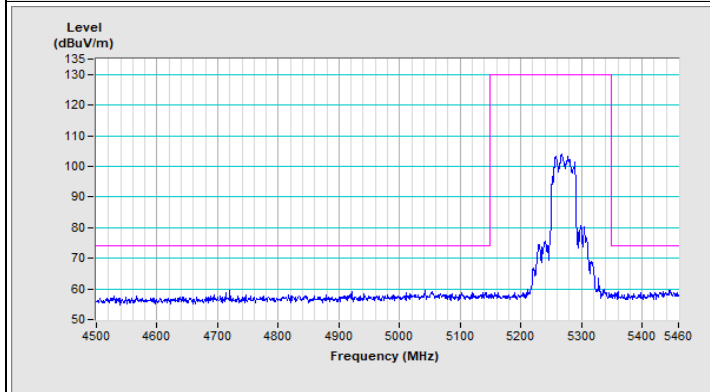
Vertical (Peak)



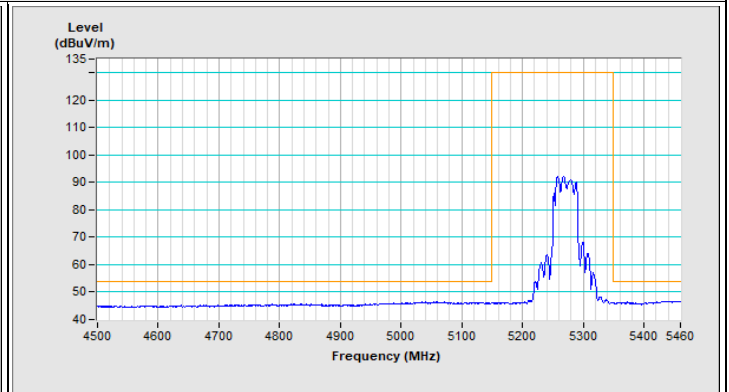
Vertical (Average)

Frequency Range	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
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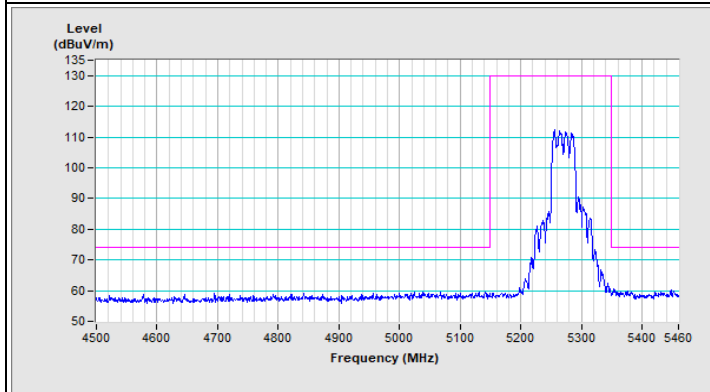
802.11ax (HE40) Channel 54



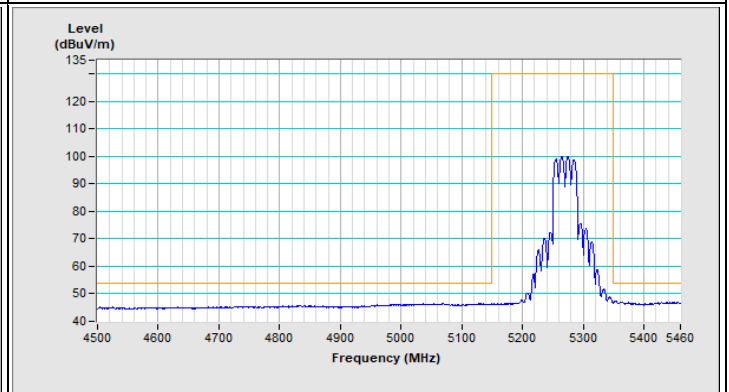
Horizontal (Peak)



Horizontal (Average)

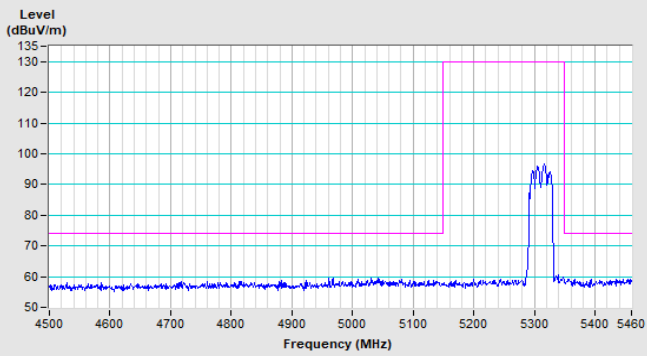


Vertical (Peak)

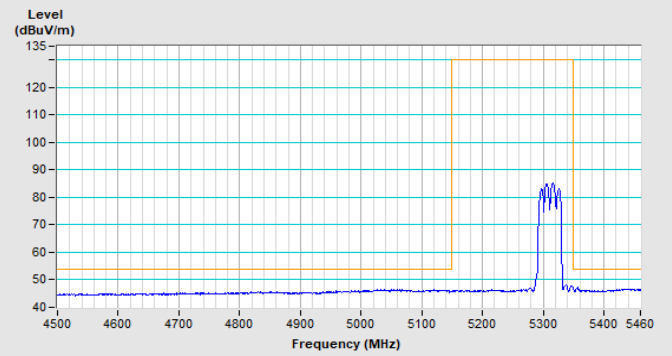


Vertical (Average)

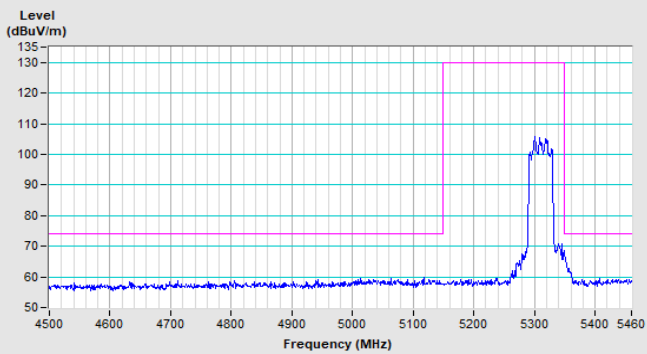
802.11ax (HE40) Channel 62



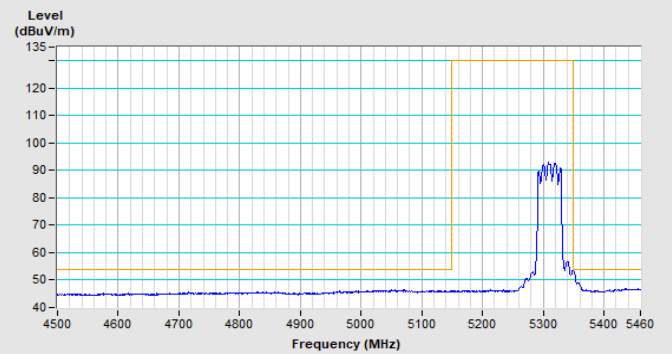
Horizontal (Peak)



Horizontal (Average)



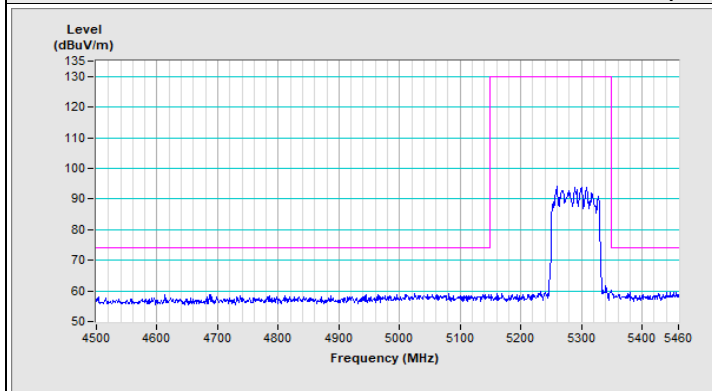
Vertical (Peak)



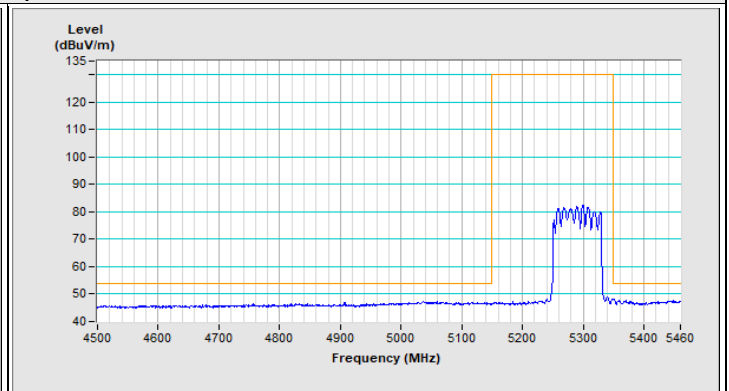
Vertical (Average)

Frequency Range	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
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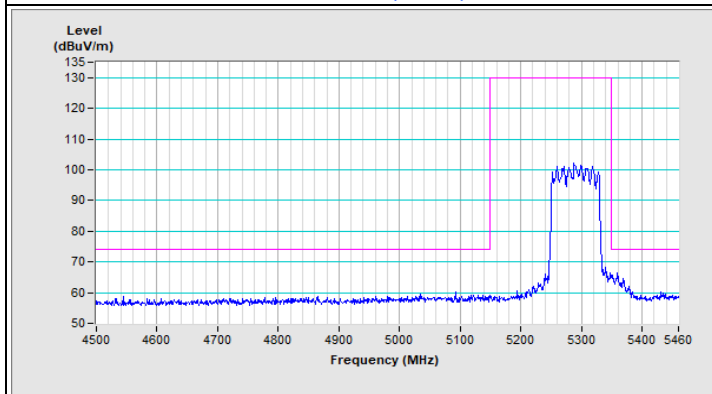
802.11ax (HE80) Channel 58



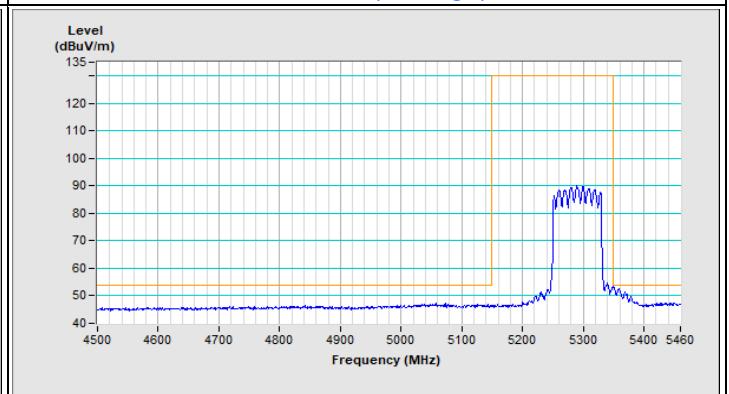
Horizontal (Peak)



Horizontal (Average)



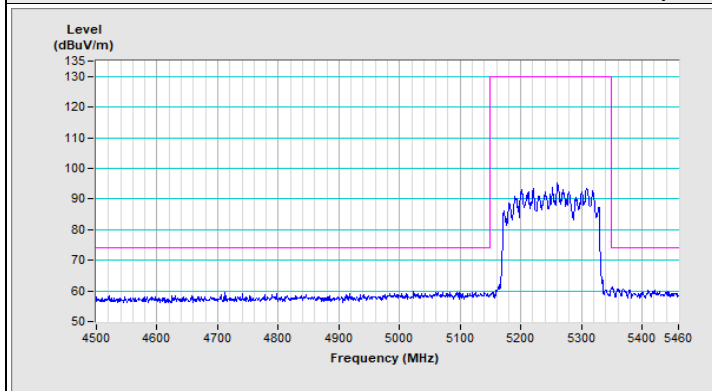
Vertical (Peak)



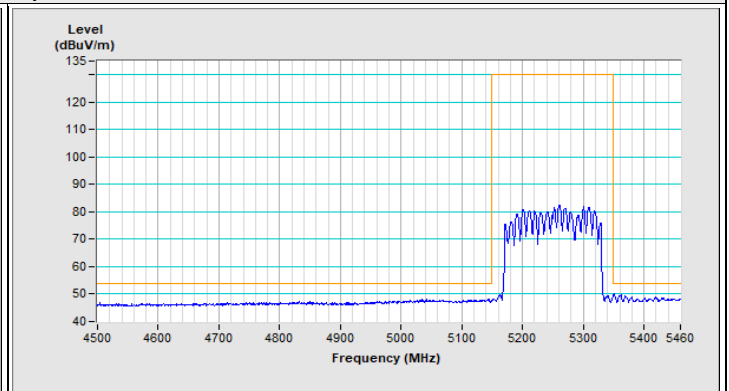
Vertical (Average)

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
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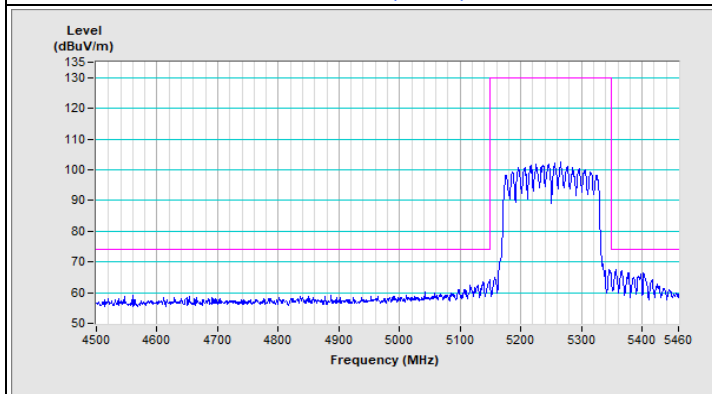
802.11ax (HE160) Channel 50



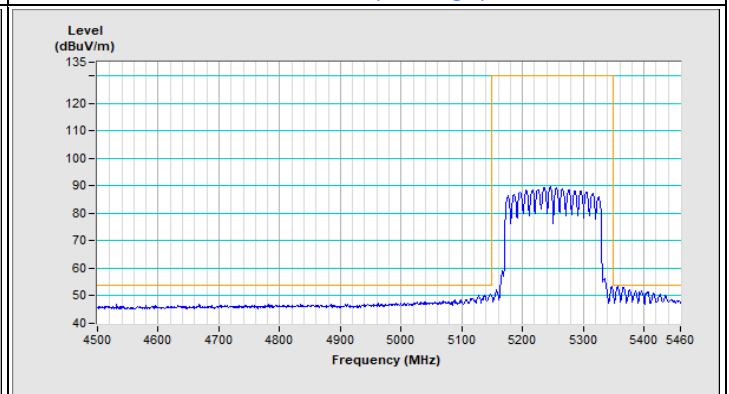
Horizontal (Peak)



Horizontal (Average)



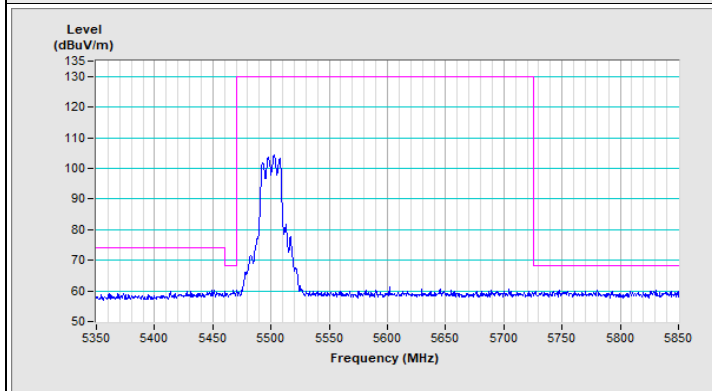
Vertical (Peak)



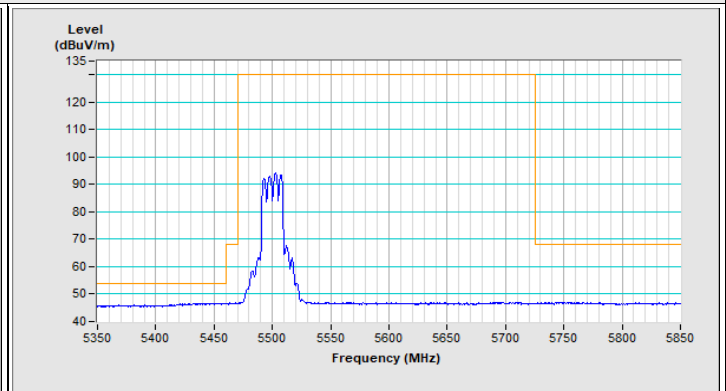
Vertical (Average)

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
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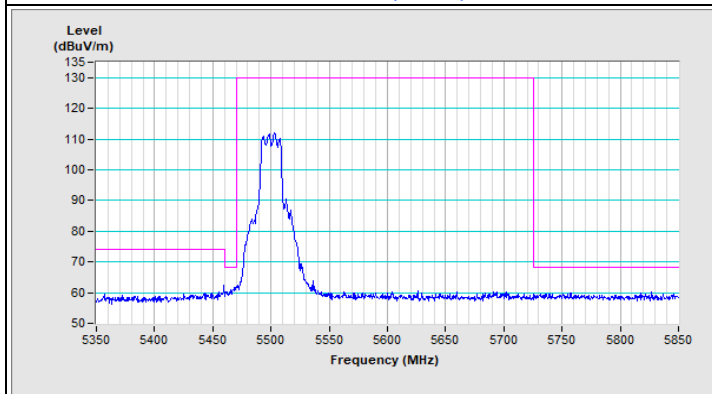
802.11a Channel 100



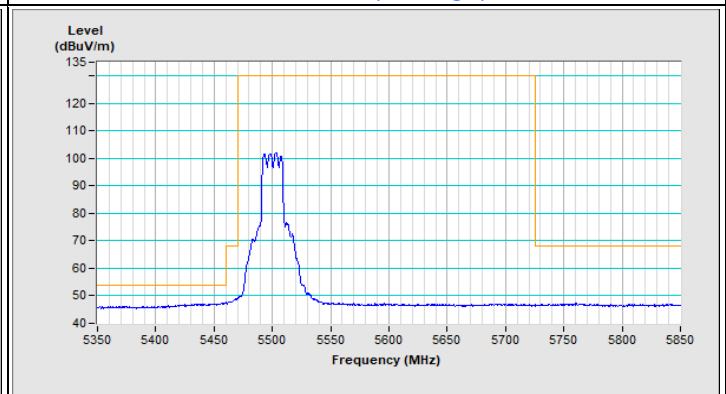
Horizontal (Peak)



Horizontal (Average)

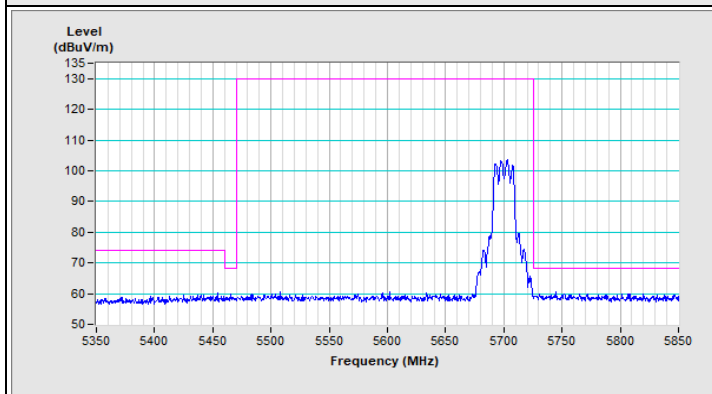


Vertical (Peak)

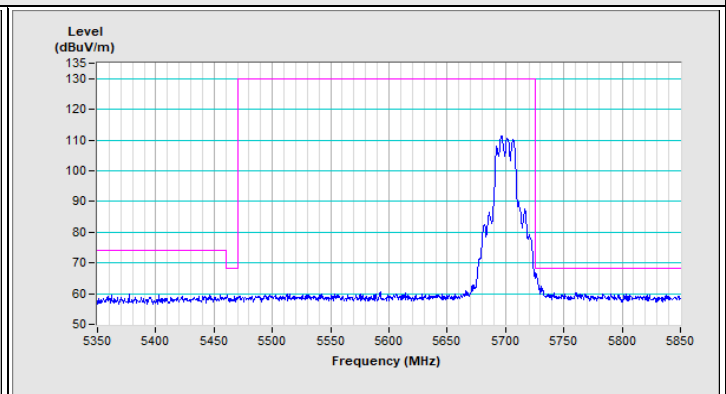


Vertical (Average)

802.11a Channel 140



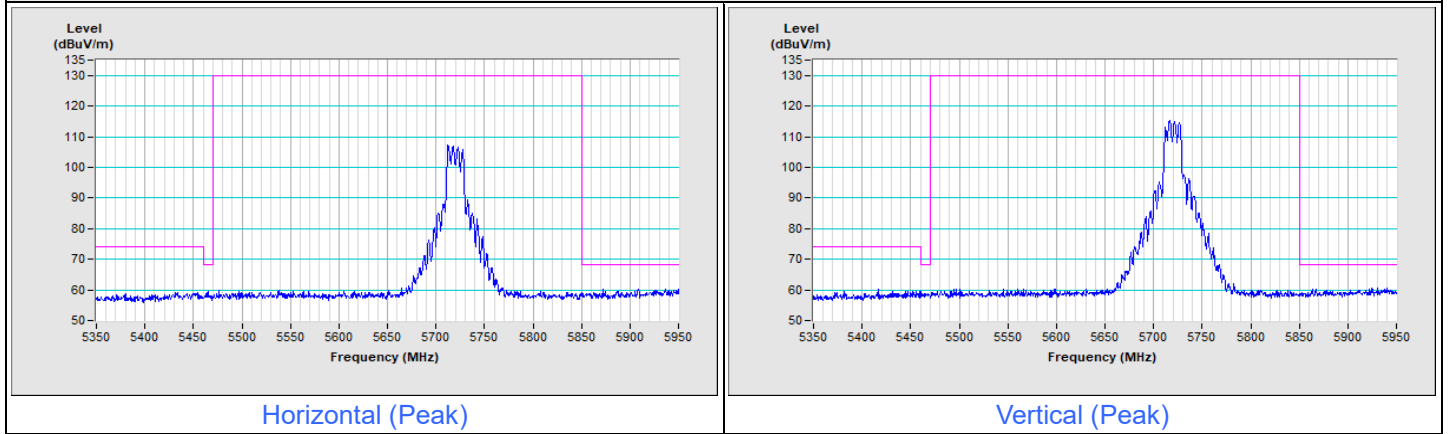
Horizontal (Peak)



Vertical (Peak)

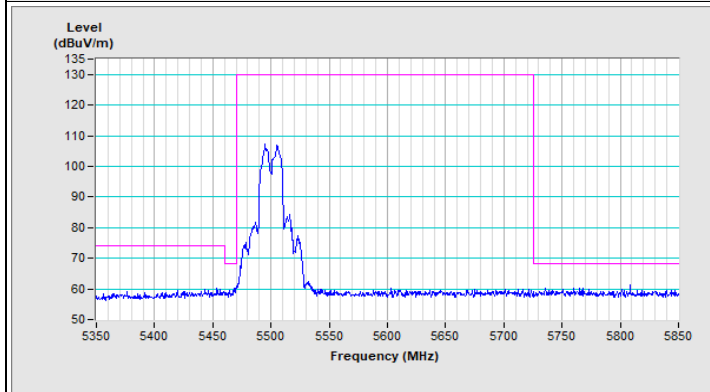
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

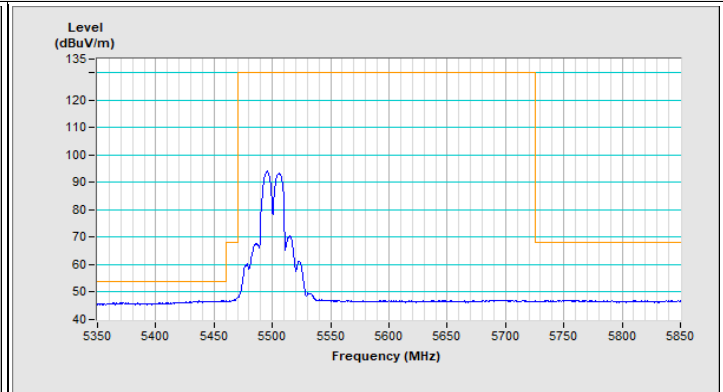


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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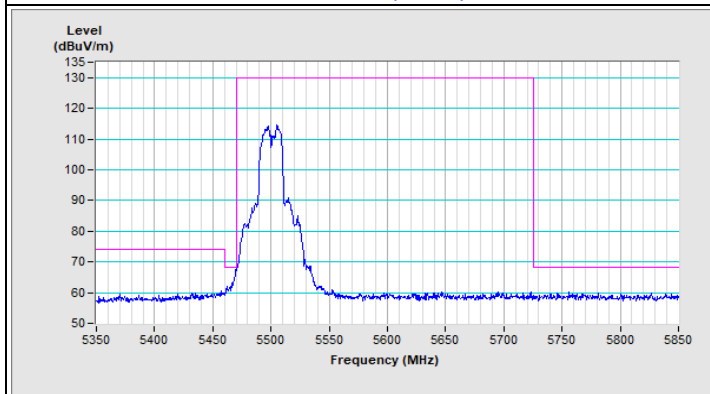
802.11ax (HE20) Channel 100



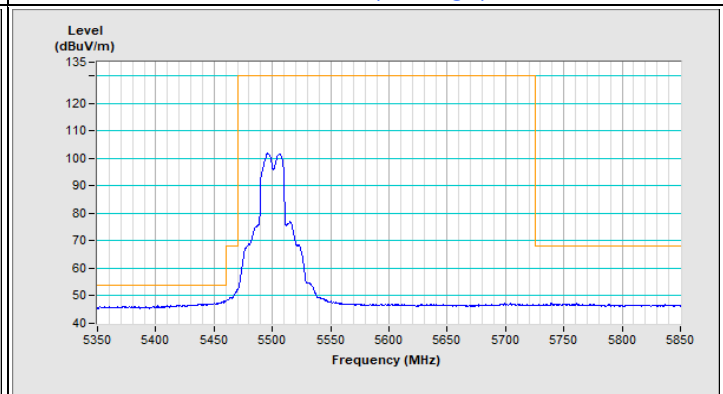
Horizontal (Peak)



Horizontal (Average)

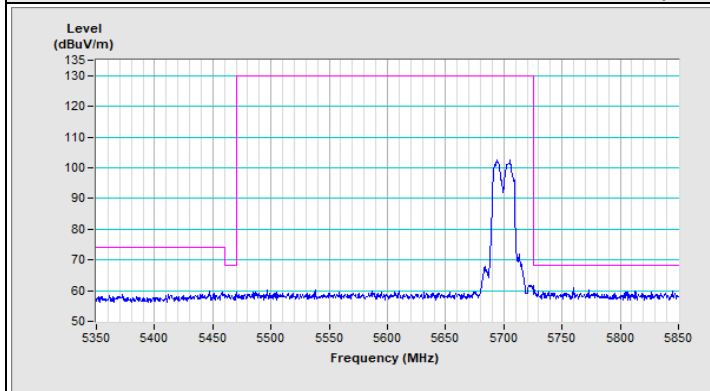


Vertical (Peak)

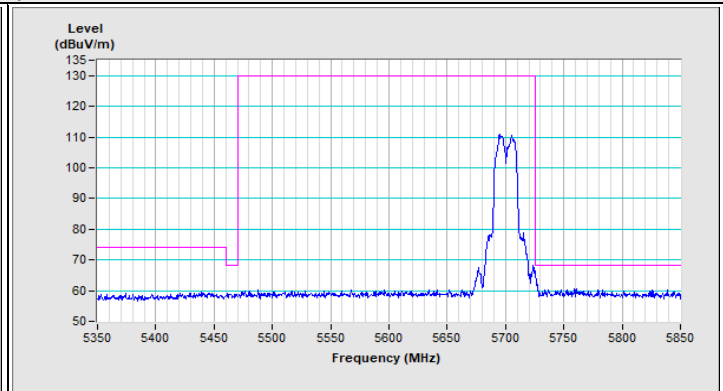


Vertical (Average)

802.11ax (HE20) Channel 140



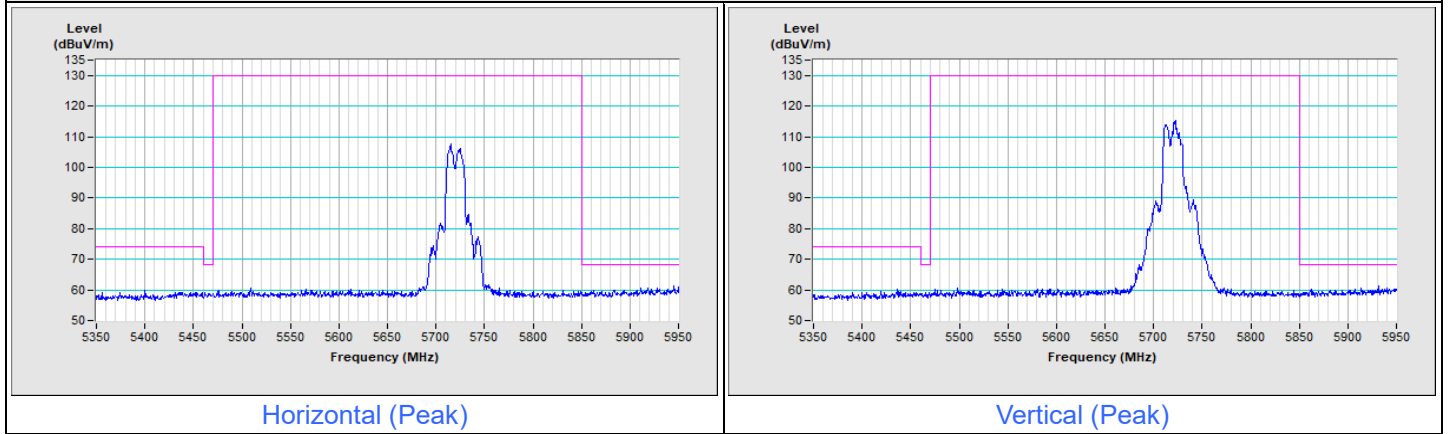
Horizontal (Peak)



Vertical (Peak)

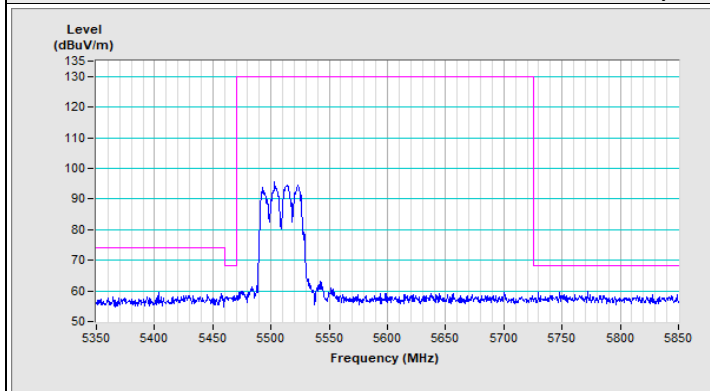
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Channel 144

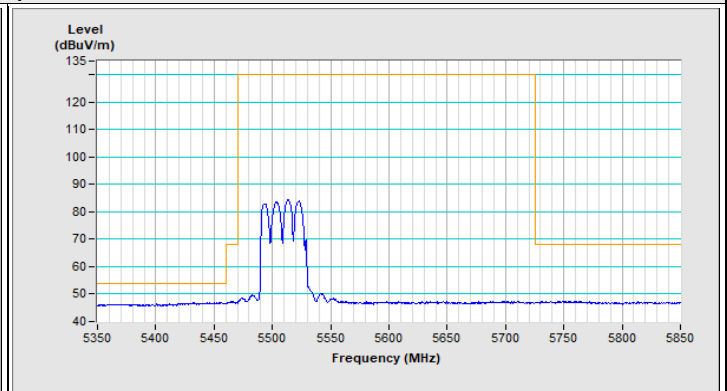


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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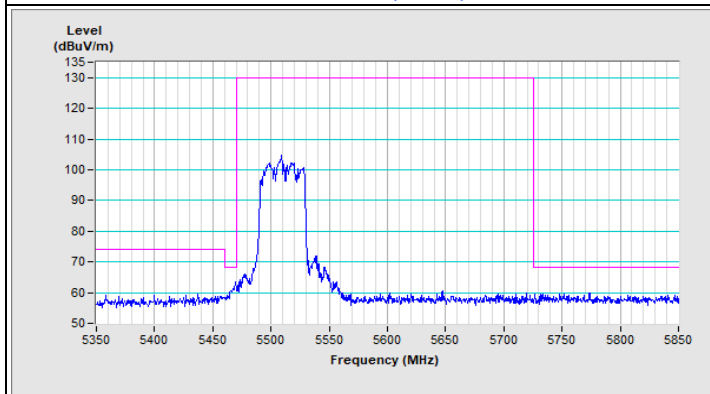
802.11ax (HE40) Channel 102



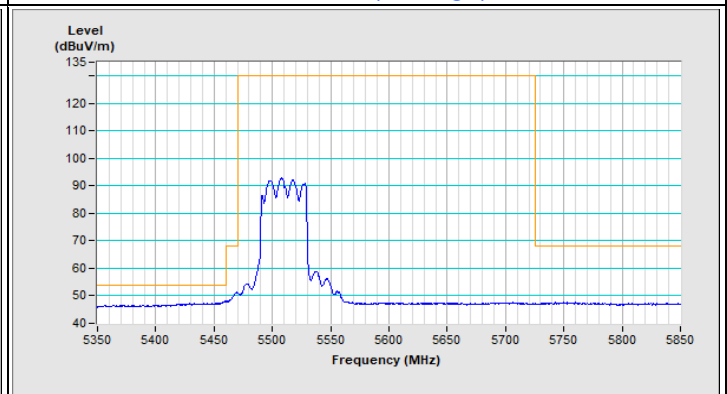
Horizontal (Peak)



Horizontal (Average)

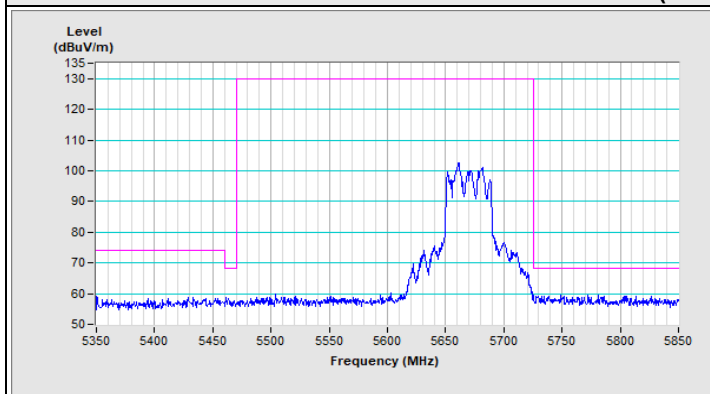


Vertical (Peak)

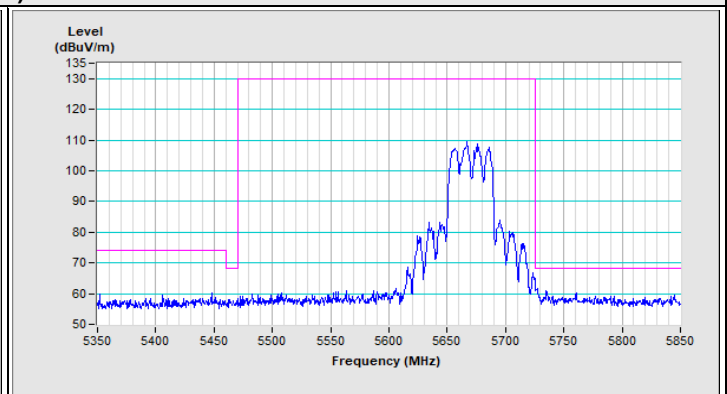


Vertical (Average)

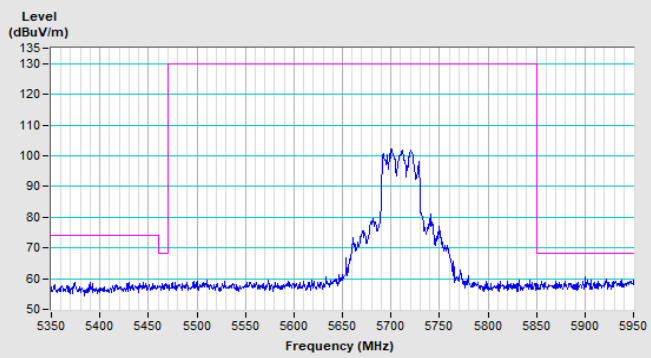
802.11ax (HE40) Channel 134



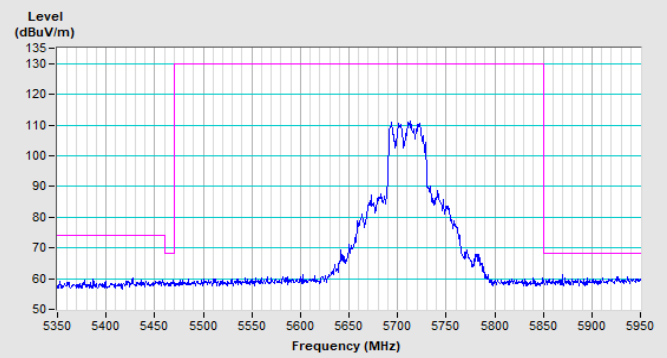
Horizontal (Peak)



Vertical (Peak)

802.11ax (HE40) Channel 142

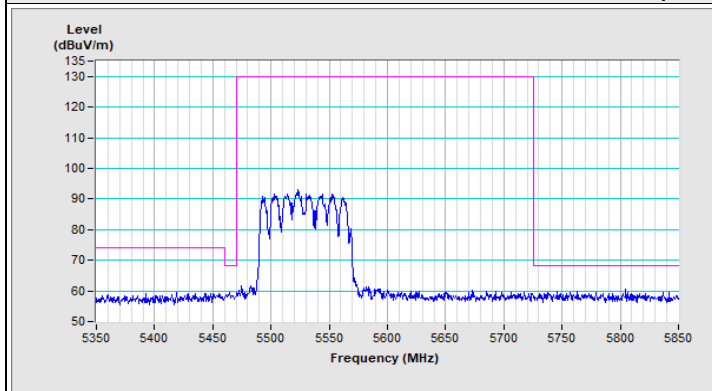
Horizontal (Peak)



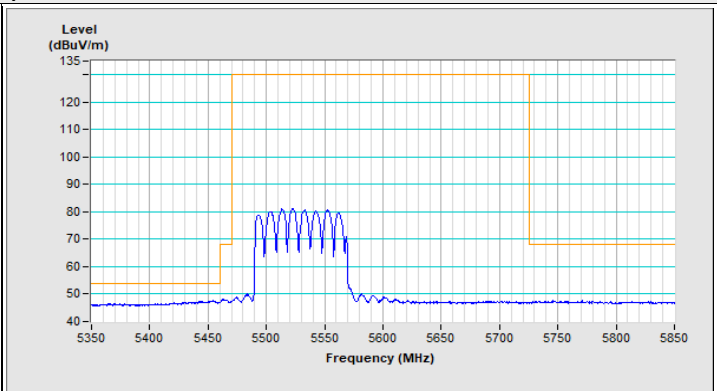
Vertical (Peak)

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
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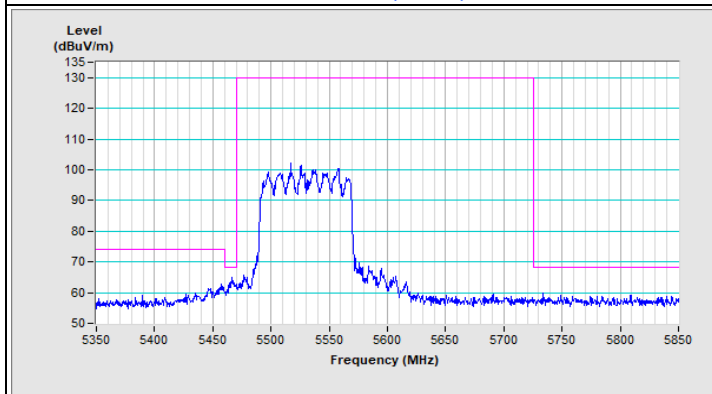
802.11ax (HE80) Channel 106



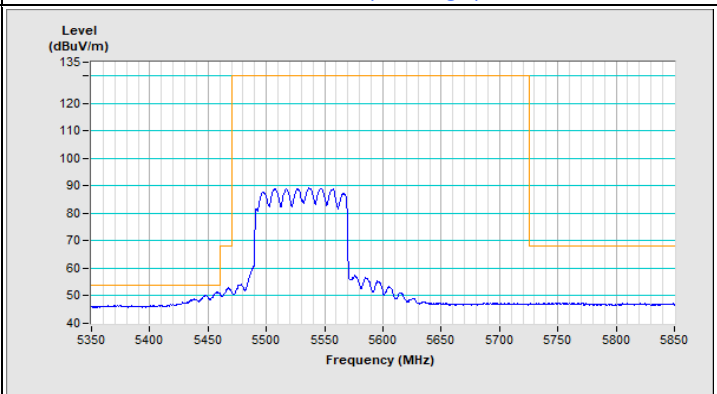
Horizontal (Peak)



Horizontal (Average)

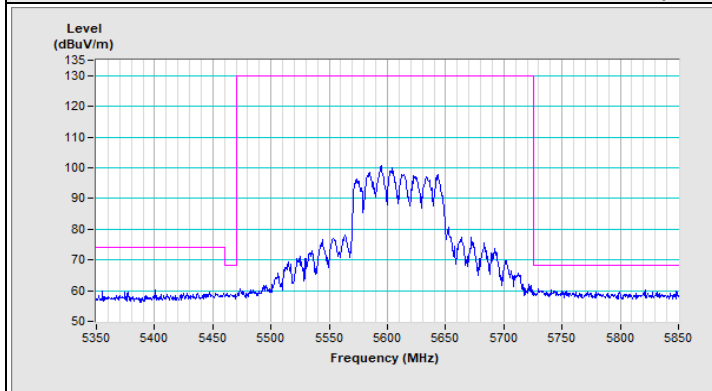


Vertical (Peak)

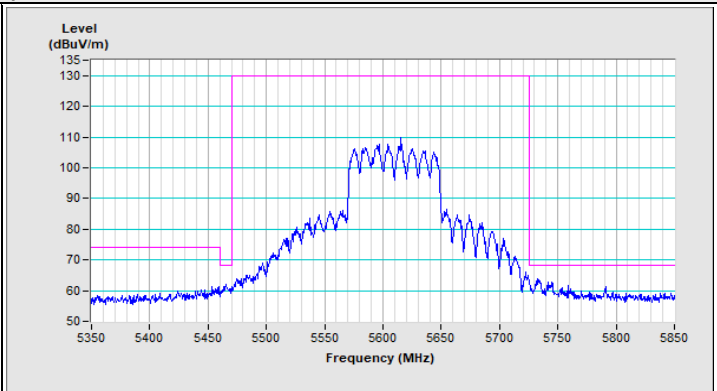


Vertical (Average)

802.11ax (HE80) Channel 122



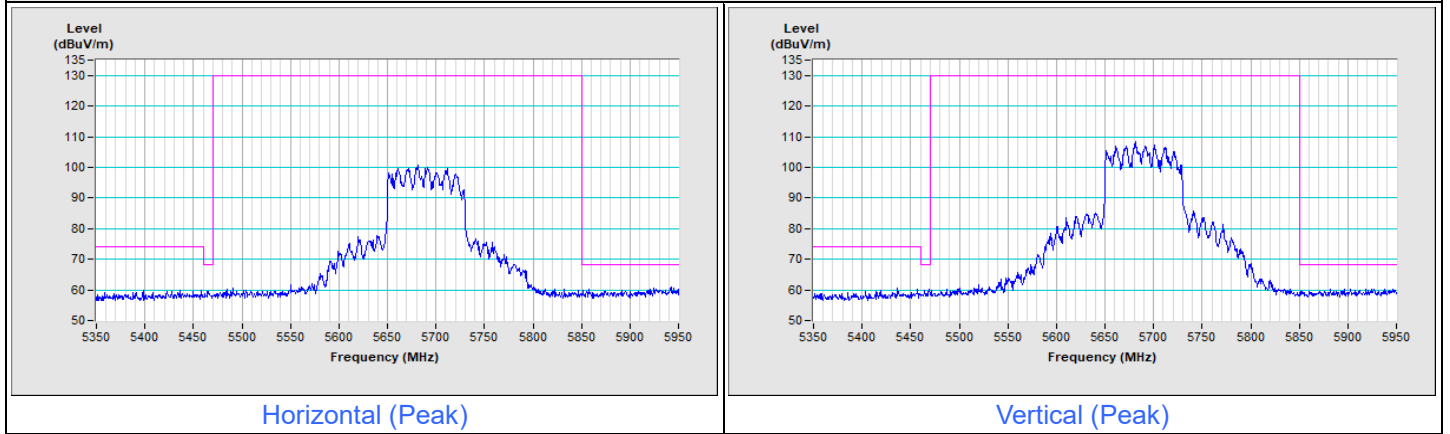
Horizontal (Peak)



Vertical (Peak)

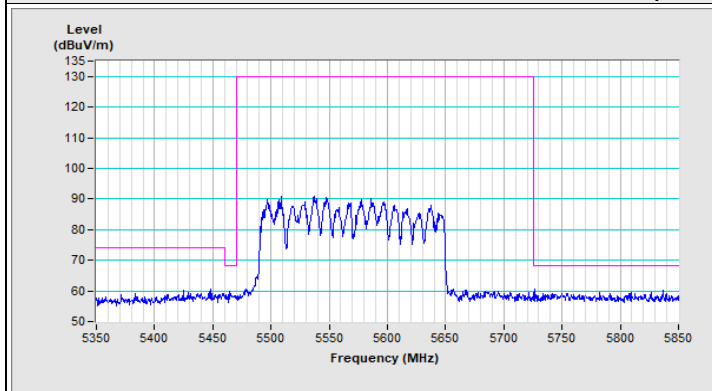
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 138

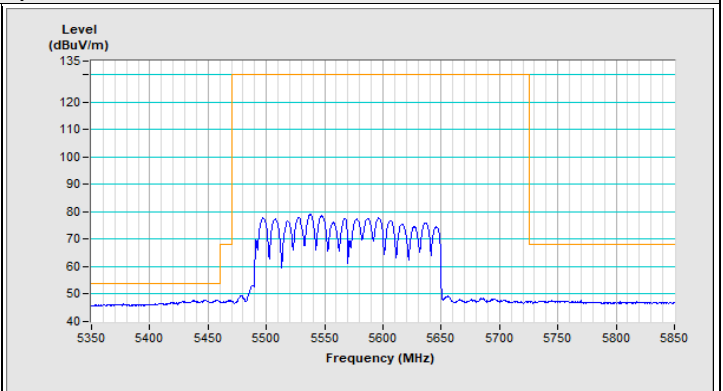


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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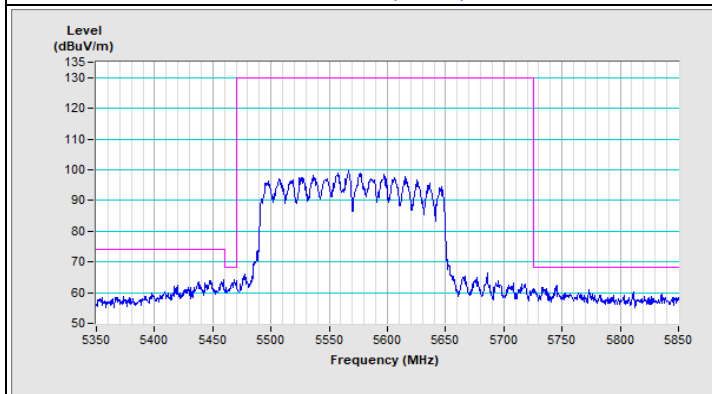
802.11ax (HE160) Channel 114



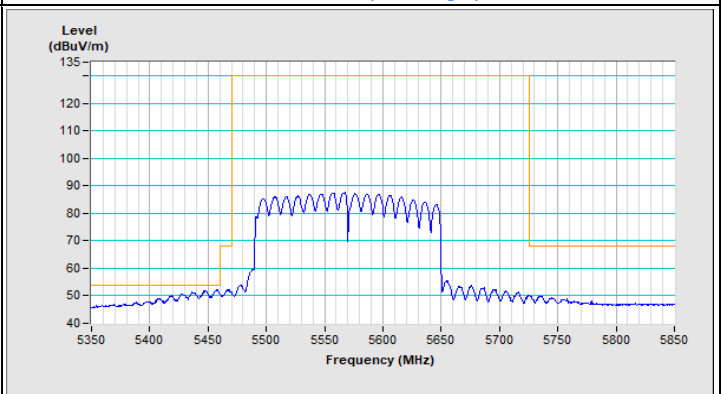
Horizontal (Peak)



Horizontal (Average)



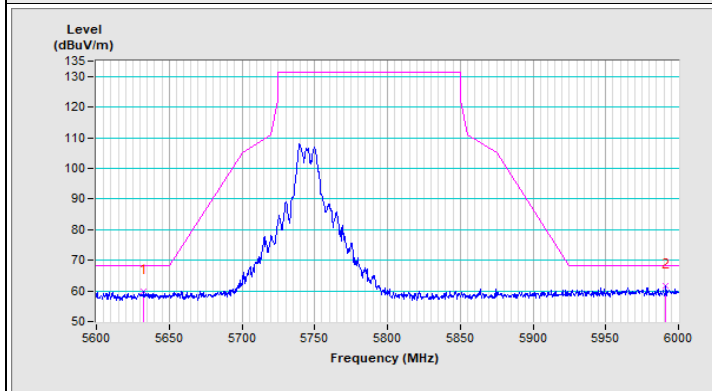
Vertical (Peak)



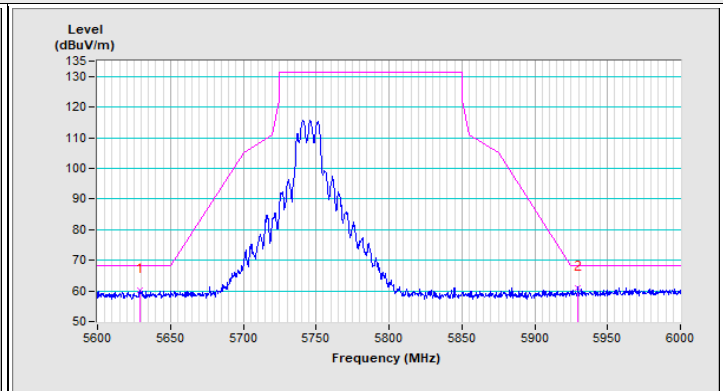
Vertical (Average)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 149

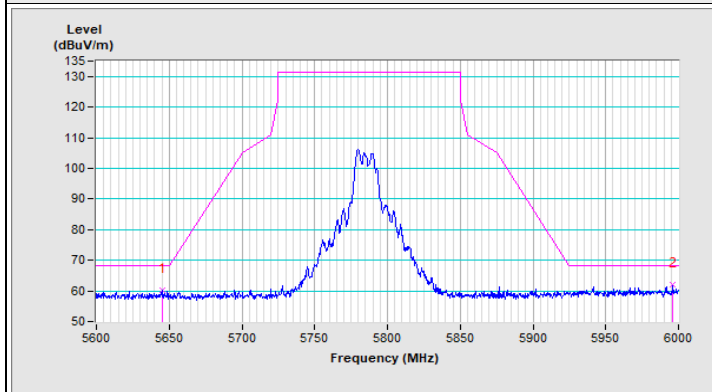


Horizontal (Peak)

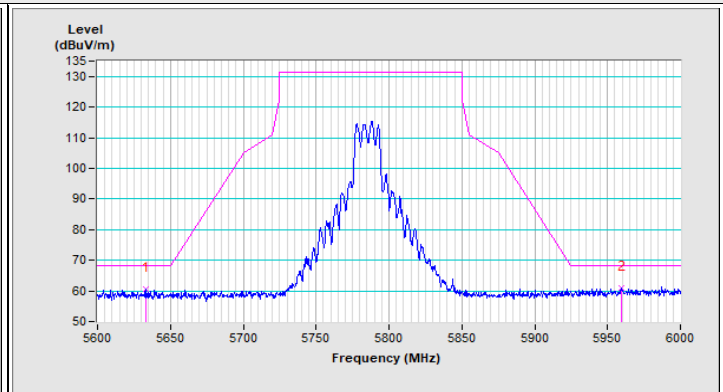


Vertical (Peak)

802.11a Channel 157

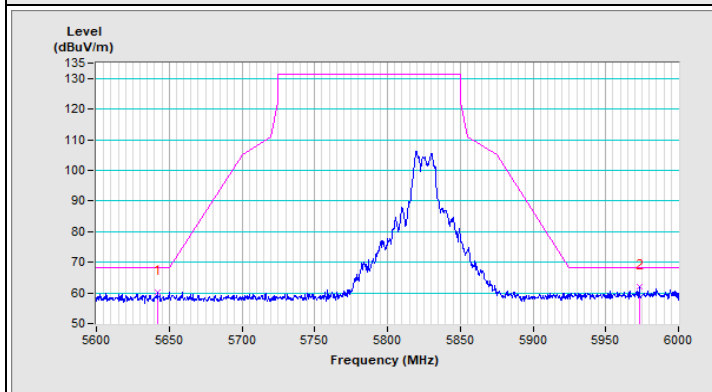


Horizontal (Peak)

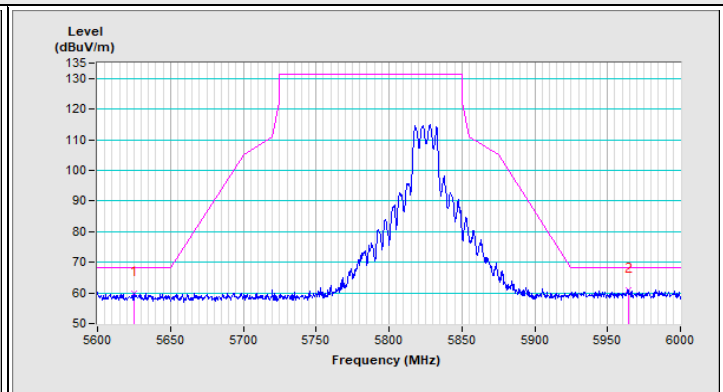


Vertical (Peak)

802.11a Channel 165



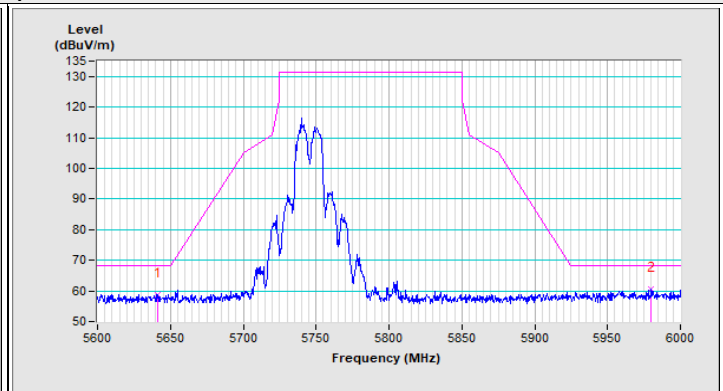
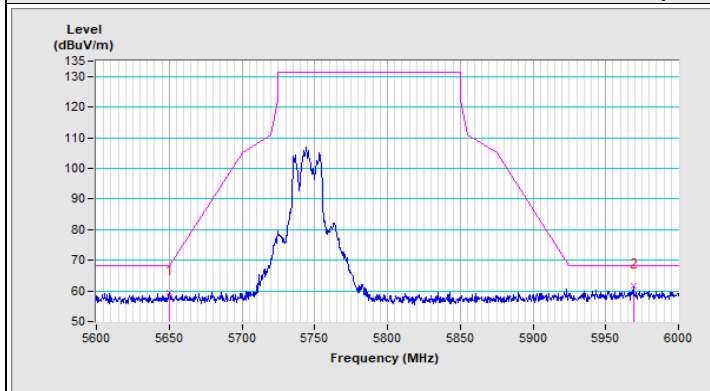
Horizontal (Peak)



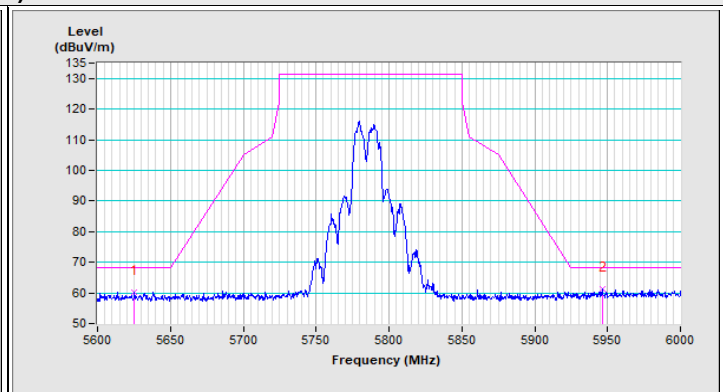
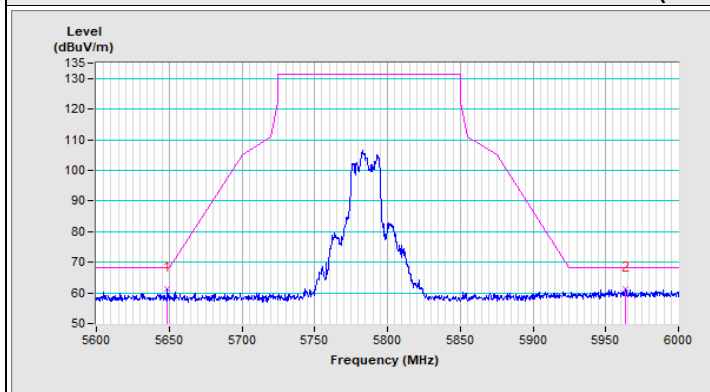
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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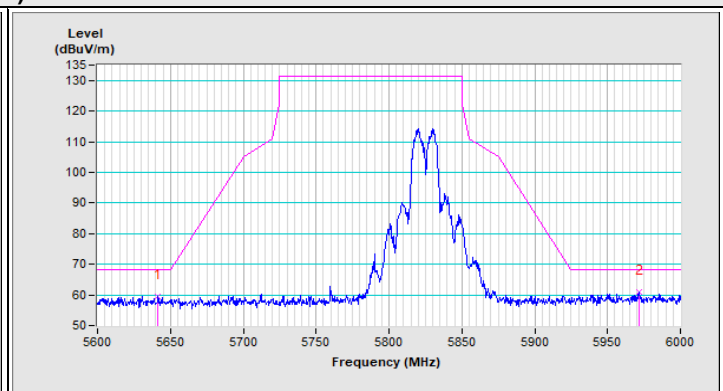
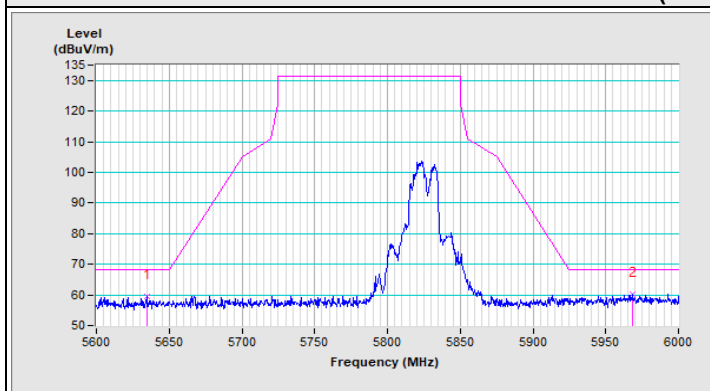
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

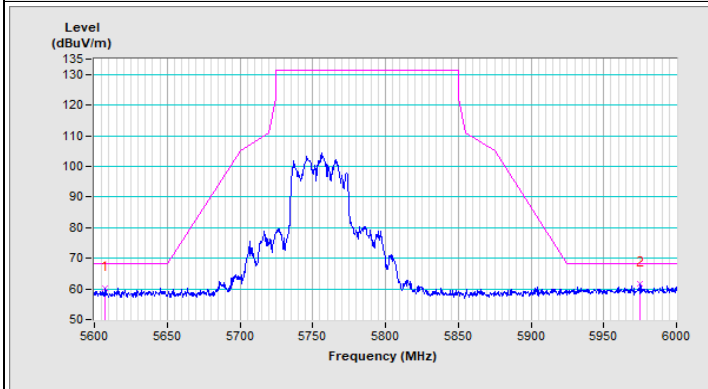


802.11ax (HE20) Channel 165

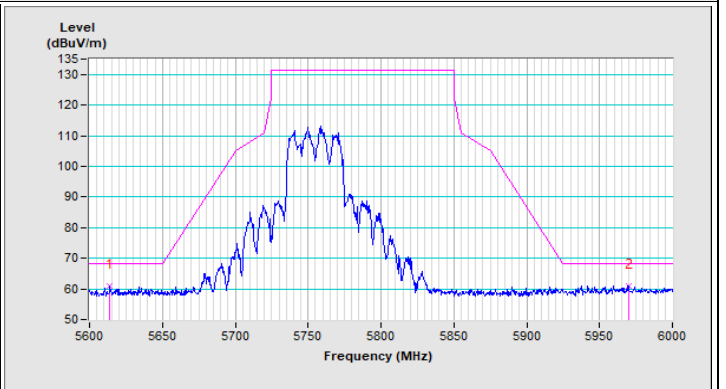


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

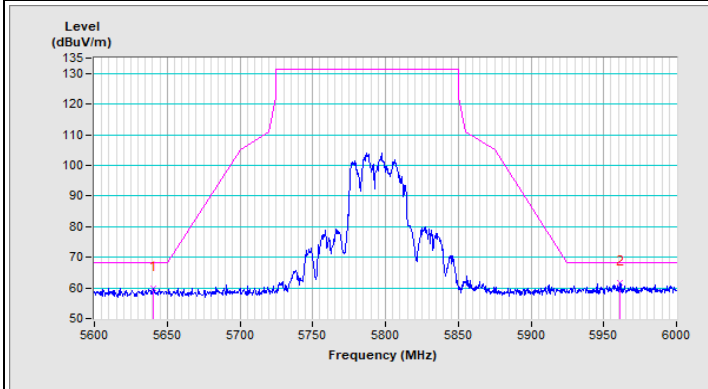


Horizontal (Peak)

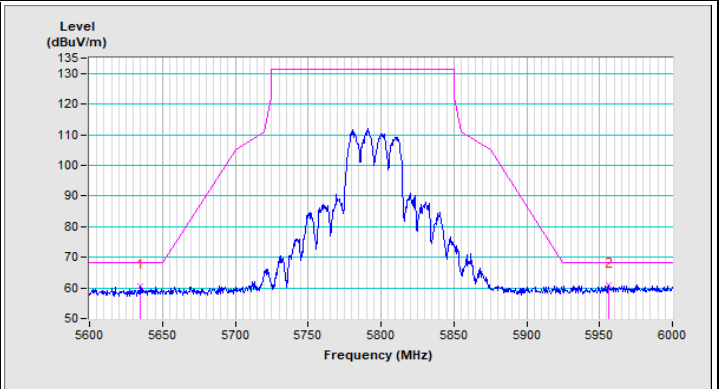


Vertical (Peak)

802.11ax (HE40) Channel 159



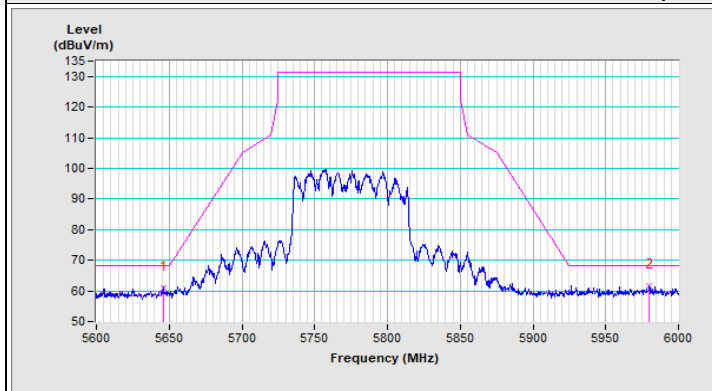
Horizontal (Peak)



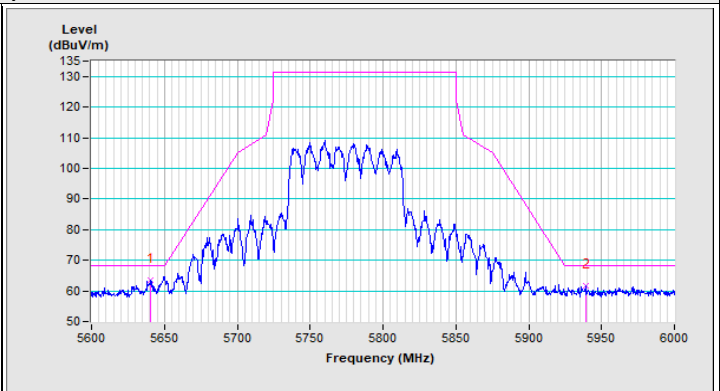
Vertical (Peak)

Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 155



Horizontal (Peak)



Vertical (Peak)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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