

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBERD-WTW-P24010469-5

FCC ID: U4G-SGVWF

Product: Mobile Computer/Barcode reader

Brand: Datalogic

Model No.: SGVWF

Received Date: 2023/12/25

Test Date: 2023/12/27 ~ 2024/2/25

Issued Date: 2024/3/13

Applicant: Datalogic S.r.l.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003

Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2024/3/13

Jeremy Lin / Project Engineer

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Prepared by : Polly Chien / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBERD-WTW-P24010469-5	Original release.	2024/3/13

1 Certificate

Product: Mobile Computer/Barcode reader

Brand: Datalogic

Test Model: SGVWF

Sample Status: Engineering sample

Applicant: Datalogic S.r.l.

Test Date: 2023/12/27 ~ 2024/2/25

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

Measurement ANSI C63.10-2013

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

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -33.24 dB at 1.19400 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -4.7 dB at 51.34 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 -2.0 dB at 5150.00, 5400.00 and 5470.00 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	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	Mobile Computer/Barcode reader
Brand	Datalogic
Test Model	SGVWF
Host Marketing Name (HMN)	MEMOR 30/MEMOR 30X
Status of EUT	Engineering sample
Power Supply Rating	Refer to Note as below
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2401.9 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.26 GHz ~ 5.32 GHz 5.50 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	5.18 GHz ~ 5.32 GHz 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 4 802.11ac (VHT80), 802.11ax (HE80): 2 802.11ac (VHT160), 802.11ax (HE160): 1 5.50 GHz ~ 5.72 GHz 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6 802.11ac (VHT80), 802.11ax (HE80): 3 802.11ac (VHT160), 802.11ax (HE160): 1 5.745 GHz ~ 5.825 GHz 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1
Output Power	5.18 GHz ~ 5.25 GHz : 100.84 mW (20.04 dBm) 5.26 GHz ~ 5.32 GHz : 101.752 mW (20.08 dBm) 5.50 GHz ~ 5.72 GHz : 93.905 mW (19.73 dBm) 5.745 GHz ~ 5.825 GHz : 103.699 mW (20.16 dBm)
EUT Category	Client device
HW Version	DVT1
SW Version	0.11.000.20240131
P/N	Refer to Note as below
S/N	Refer to Note as below

Note:

1. The EUT uses following accessories.

Scanner 1		
Brand	Model	
Datalogic	Argon	
Scanner 2		
Brand	Model	
Datalogic	Xenon	
BT/WLAN Module		
Brand	Model	
Qualcomm	WCN6856	
NFC chipset		
Brand	Model	
NXP	PN7161	
Battery		
Brand	Model	Specification
Datalogic	SGV-BY-140	Power Rating : 3.86V, 4565mAh, 17.6Wh
USB Cable		
Brand	Model	Specification
Datalogic	A9816360	Signal Line : USB3.0 Type A to Type C, 1.5M

2. Sample's information is listed as below.

Sample	Scanner	S/N	P/N	BV Login No.
A	Argon	V24A00605	944850001	WTW240207/006Q22N03
B	Xenon	V24A00440	944850004	WTW240207/006Q22N15
C	Xenon	V24A00476	944850004	WTW240207/006Q22N01

3. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.
4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	Gain (dBi)				Antenna Type	Connector Type
	5.15~5.25GHz	5.25~5.35GHz	5.47~5.725GHz	5.725~5.85GHz		
Ant 8	0.9	0.9	1.7	2.1	Coupling monopole	N/A
Ant 9	0.5	0.6	0.8	1.1	Loop	IPEX

*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
802.11ax (RU26/52/106/242/484/996/2x996)	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	5570MHz

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:	<ol style="list-style-type: none"> EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. Pre-scan ac adapter and Notebook mode
Worst Case:	<ol style="list-style-type: none"> X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis Worst Condition: adapter mode

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

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	C	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11ax (HE20) 26-tone RU	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE20) Full RU	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE40) Full RU	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11ax (HE80) Full RU	58, 106, 122, 138	BPSK	MCS0
		802.11ax (HE160) Full RU	50, 114	BPSK	MCS0
RF Output Power	C	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) 26-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 242-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	C	802.11ax (HE40) 26-tone RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE40) 52-tone RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE40) 106-tone RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE40) 242-tone RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE40) 484-tone RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80) 26-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE80) 52-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE80) 106-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE80) 242-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE80) 996-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE160) 26-tone RU	50, 114	BPSK	MCS0
		802.11ax (HE160) 52-tone RU	50, 114	BPSK	MCS0
		802.11ax (HE160) 106-tone RU	50, 114	BPSK	MCS0
		802.11ax (HE160) 242-tone RU	50, 114	BPSK	MCS0
		802.11ax (HE160) 484-tone RU	50, 114	BPSK	MCS0
		802.11ax (HE160) 996-tone RU	50, 114	BPSK	MCS0
		802.11ax (HE160) 2x996-tone RU	50, 114	BPSK	MCS0
802.11ax (HE160) Full RU	50, 114	BPSK	MCS0		
Power Spectral Density	C	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20) 26-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE160) Full RU	50, 114	BPSK	MCS0

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	C	802.11a	144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20) Full RU	144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40) Full RU	142, 151, 159	BPSK	MCS0
		802.11ax (HE80) Full RU	138, 155	BPSK	MCS0
Occupied Bandwidth	C	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20) 26-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE160) Full RU	50, 114	BPSK	MCS0
Frequency Stability	C	802.11a	36	-	-
AC Power Conducted Emissions	A	802.11a	165	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A	802.11a	165	BPSK	6Mb/s
	B	802.11ax (HE160) Full RU	50	BPSK	MCS0
Unwanted Emissions above 1 GHz	A	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE160) Full RU	50, 114	BPSK	MCS0
	B	802.11ax (HE160) Full RU	50	BPSK	MCS0
	A	802.11ax (HE20) 26-tone RU	36, 48, 52, 64, 100, 140, 144, 149, 165	BPSK	MCS0
		802.11ax (HE20) 52-tone RU	36, 48, 52, 64, 100, 140, 144, 149, 165	BPSK	MCS0
		802.11ax (HE20) 106-tone RU	36, 48, 52, 64, 100, 140, 144, 149, 165	BPSK	MCS0
EUT Configure Mode:	A	Sample A			
	B	Sample B			
	C	Sample C			

3.5 Duty Cycle of Test Signal

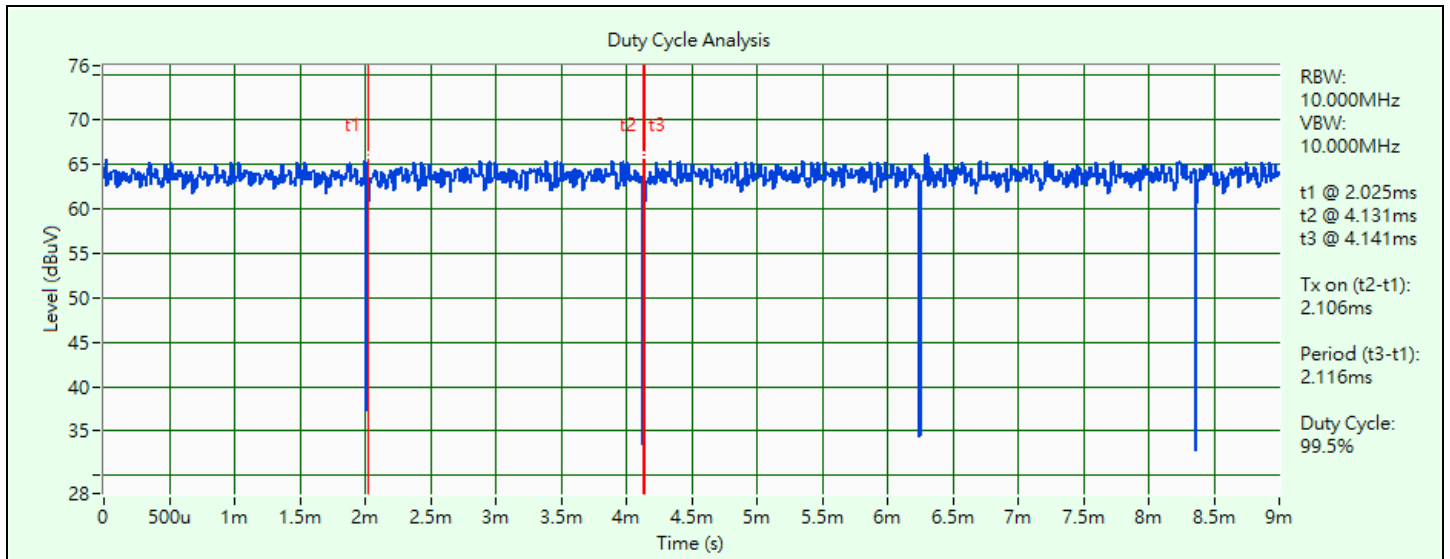
802.11a: Duty cycle = 2.106 ms / 2.116 ms x 100% = 99.5%

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

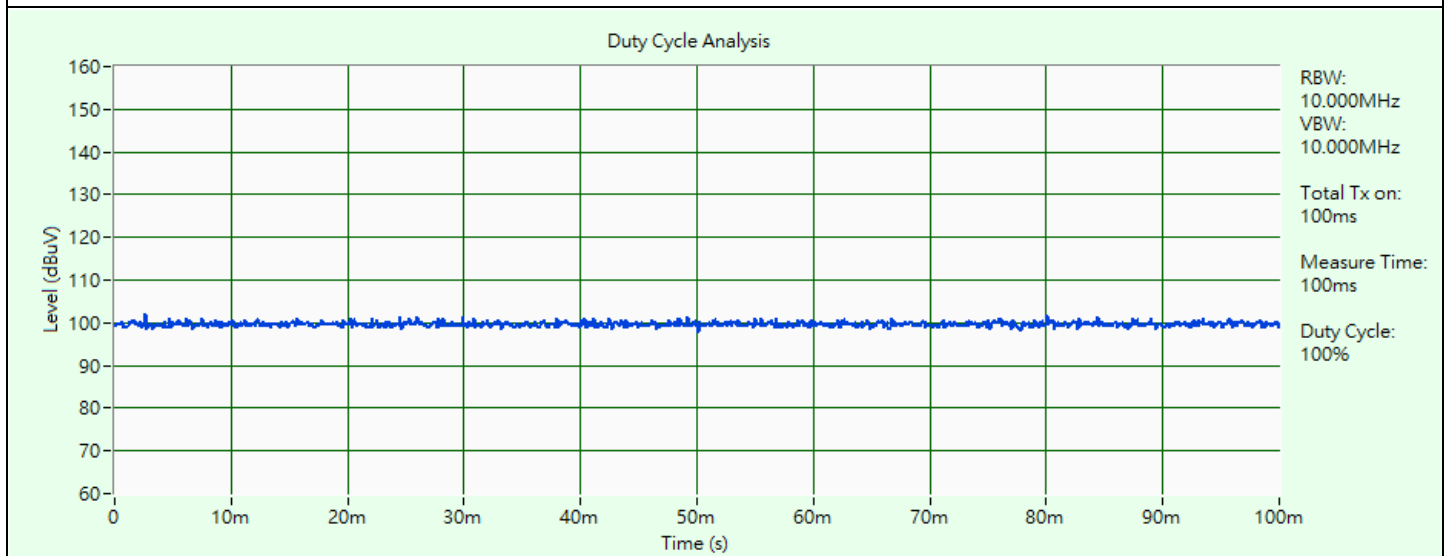
802.11ax (HE40) Full RU: Duty cycle = 100 ms / 100 ms x 100% = 100.0%

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

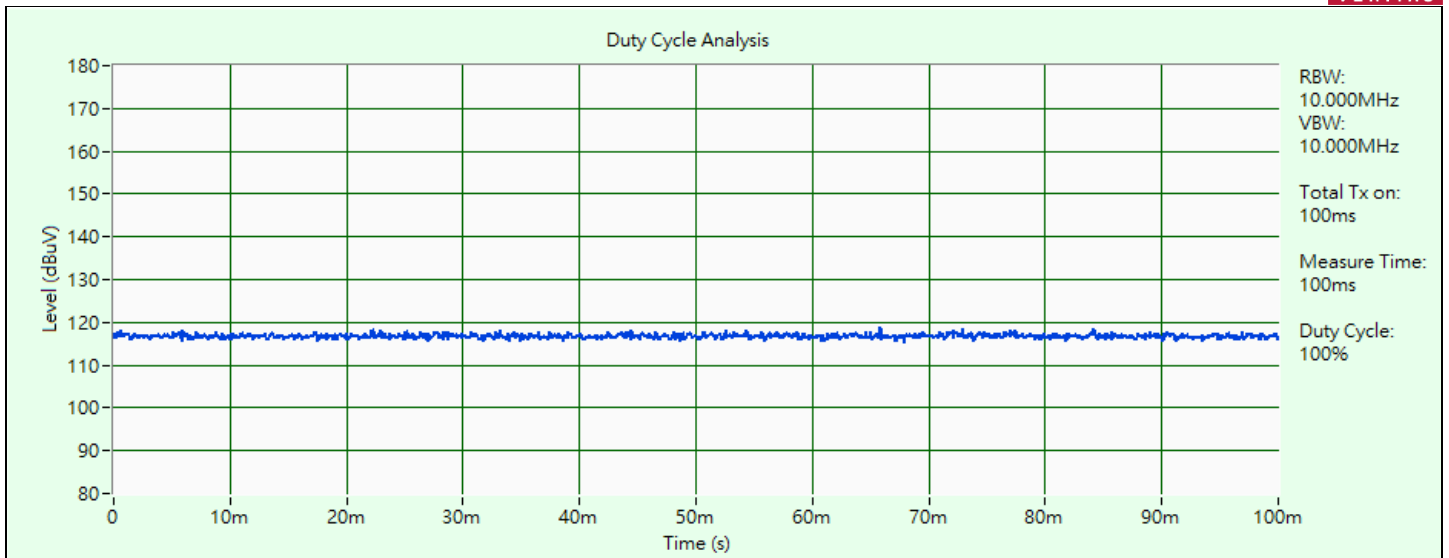
802.11ax (HE160) Full RU: Duty cycle = 2.214 ms / 2.219 ms x 100% = 99.8%



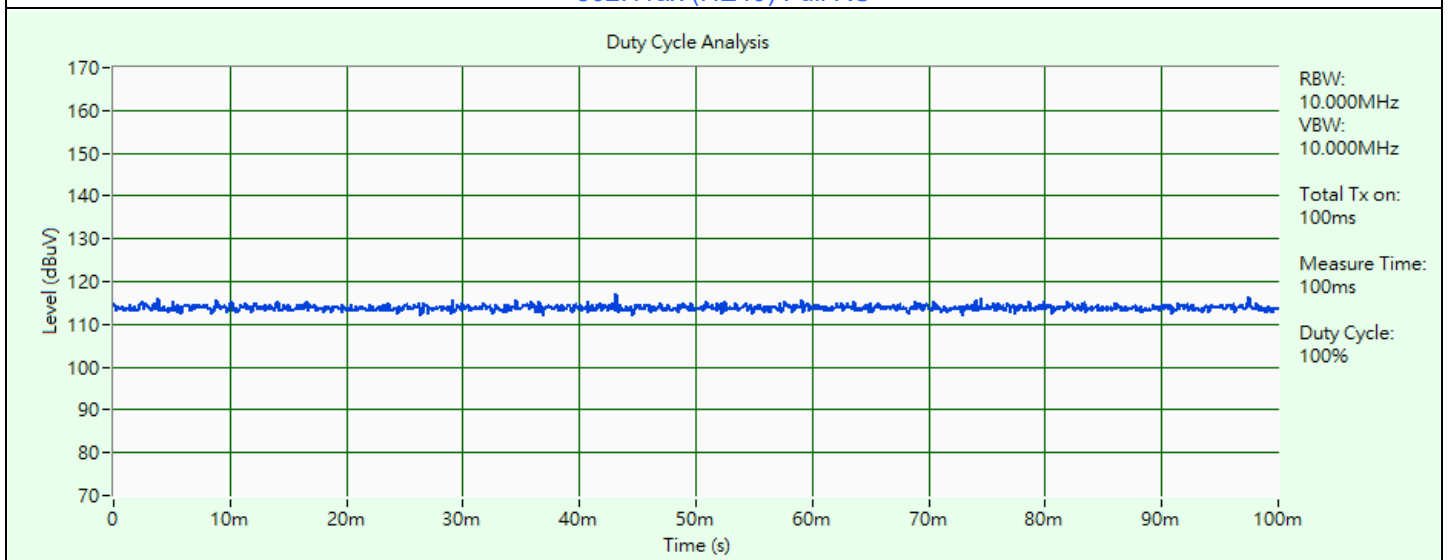
802.11a



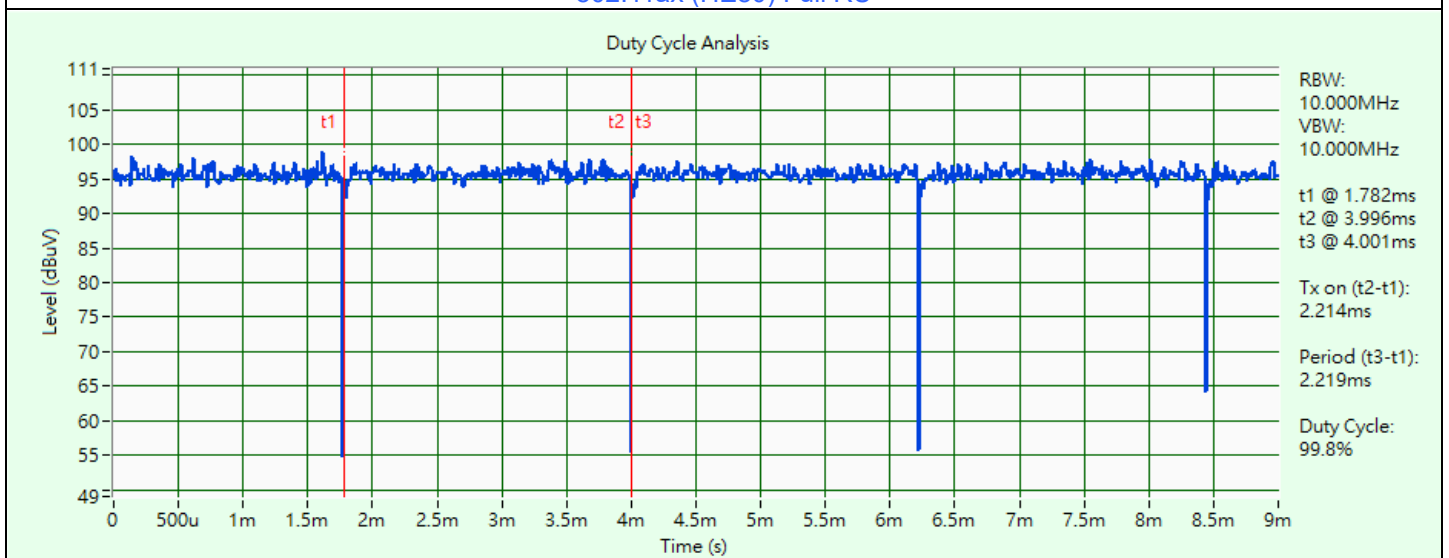
802.11ax (HE20) Full RU



802.11ax (HE40) Full RU



802.11ax (HE80) Full RU

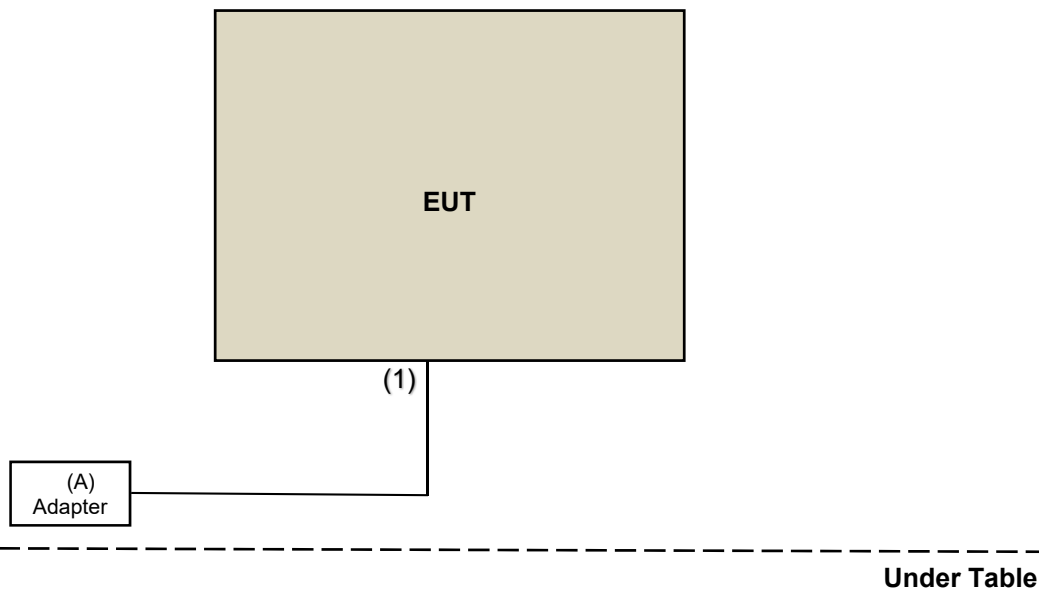


802.11ax (HE160) Full RU

3.6 Test Program Used and Operation Descriptions

Controlling software QRCT4 Version 4.0.211.0 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.	Adapter	CWT	2ACP0183C	N/A	N/A	Supplied by applicant

No.	Cable Descriptions	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Qty.)	Remark
1.	USB Cable	1	1.5	Yes	0	Supplied by applicant

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
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

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/2/17

4.2 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: 2024/2/17

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
3-channel DC power supply JIN YIH Technology	ODP3033	ODP30332128138	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2023/7/6	2024/7/5
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
Temperature & Humidity Chamber Terchy	HRM-120RF	931022	2023/12/19	2024/12/18

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/2/17

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011276	01	2023/2/1	2024/1/31
	E1-011312	10	2023/1/30	2024/1/29
	E1-011591	17	2023/2/1	2024/1/31
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESR3	102783	2023/12/13	2024/12/12
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/9/2	2024/9/1
LISN R&S	ESH2-Z5	100100	2023/3/7	2024/3/6
	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_ V7.3.7.4	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: 2024/1/18 ~ 2024/1/19

4.8 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
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: 2024/2/1 ~ 2024/2/12

4.9 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	2023/1/11 2024/1/23	2024/1/10 2025/1/22
	BRM50716	060	2023/12/25	2024/12/24
Preamplifier Agilent	8449B	3008A02367	2023/2/15 2024/1/6	2024/2/14 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)	2023/1/7 2024/1/6	2024/1/6 2025/1/5
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2023/1/7 2024/1/6	2024/1/6 2025/1/5
Signal & Spectrum Analyzer R&S	FSW43	101867	2022/12/30 2023/12/29	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: 2023/12/27 ~ 2024/2/25

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

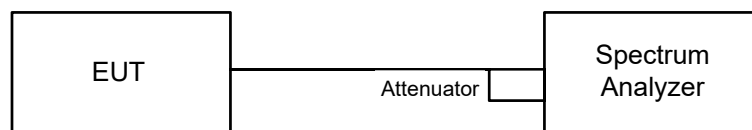
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

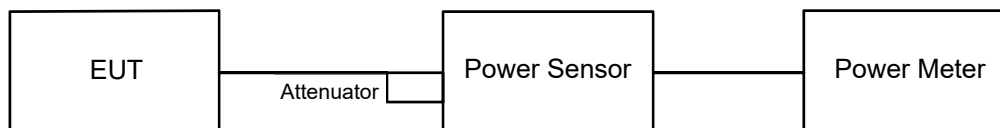


6.1.2 Test Procedure

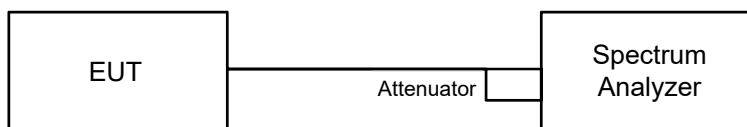
- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

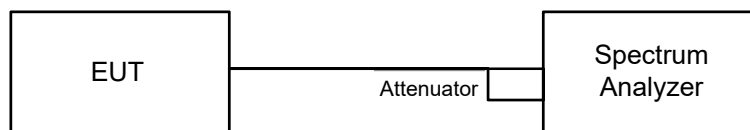
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

- 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 RBW / 2, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

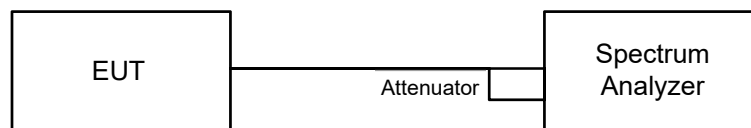
For specified measurement bandwidth 500 kHz:

Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

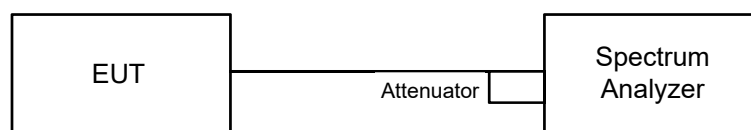


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

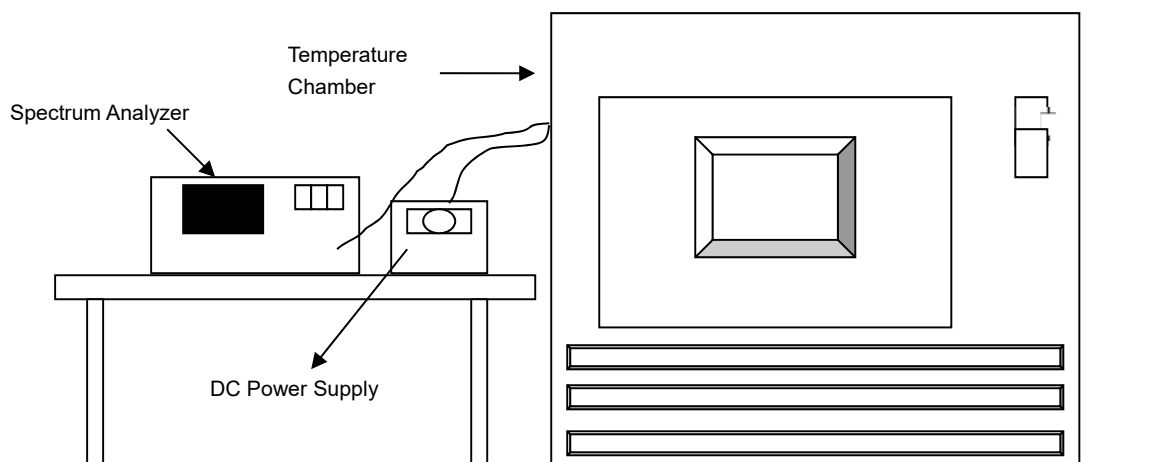


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

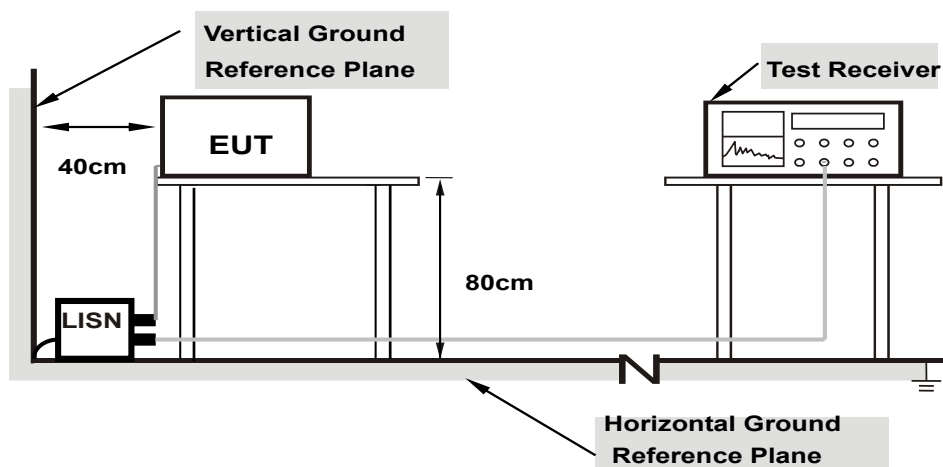


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

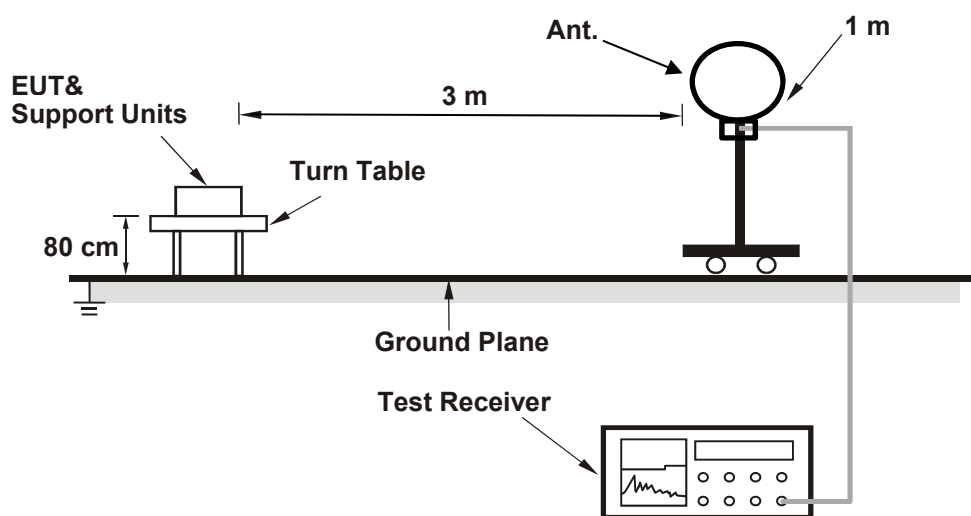
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

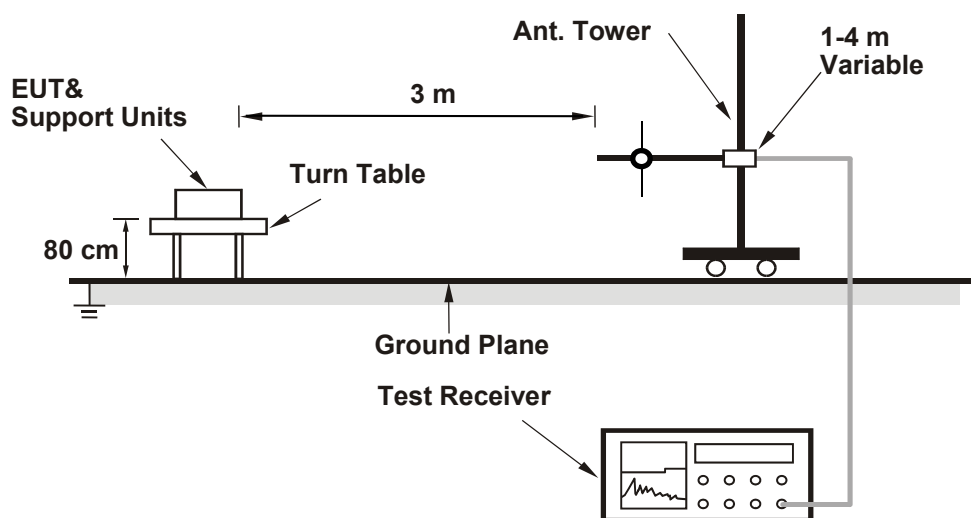
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

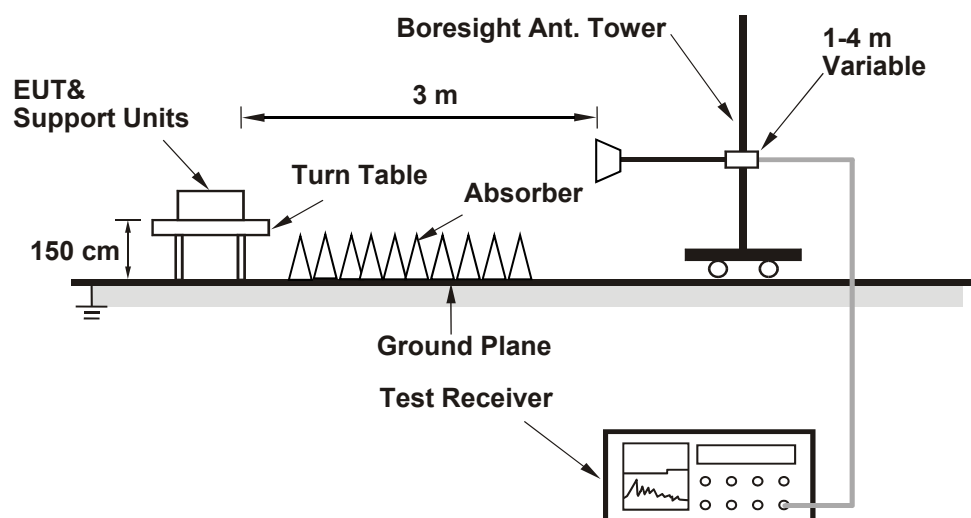
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.86 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.44	18.97
60	5300	19.41	18.80
64	5320	19.31	18.77
100	5500	19.67	19.12
116	5580	19.63	19.14
140	5700	19.45	19.18
144 (U-NII-2C)	5720	14.72	14.84
144 (U-NII-3)	5720	4.59	4.61

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	18.97	23.78 < 24
60	5300	18.80	23.74 < 24
64	5320	18.77	23.73 < 24
100	5500	19.12	23.81 < 24
116	5580	19.14	23.81 < 24
140	5700	19.18	23.82 < 24
144 (U-NII-2C)	5720	14.72	22.67 < 24

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

802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.47	21.48
60	5300	21.44	21.49
64	5320	20.93	20.94
100	5500	21.42	21.56
116	5580	21.34	21.54
140	5700	20.74	20.73
144 (U-NII-2C)	5720	17.01	17.06
144 (U-NII-3)	5720	4.36	4.20

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.47	24.31 > 24
60	5300	21.44	24.31 > 24
64	5320	20.93	24.2 > 24
100	5500	21.42	24.3 > 24
116	5580	21.34	24.29 > 24
140	5700	20.73	24.16 > 24
144 (U-NII-2C)	5720	17.01	23.3 < 24

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

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.48	21.45
60	5300	21.50	21.45
64	5320	20.87	21.02
100	5500	65.35	65.76
116	5580	21.86	63.80
140	5700	21.02	20.90
144 (U-NII-2C)	5720	16.35	16.62
144 (U-NII-3)	5720	4.58	4.53

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.45	24.31 > 24
60	5300	21.45	24.31 > 24
64	5320	20.87	24.19 > 24
100	5500	65.35	29.15 > 24
116	5580	21.86	24.39 > 24
140	5700	20.90	24.2 > 24
144 (U-NII-2C)	5720	16.35	23.13 < 24

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

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.88	22.38
60	5300	22.02	24.85
64	5320	25.52	50.56
100	5500	21.89	26.29
116	5580	21.89	61.19
140	5700	45.66	22.68
144 (U-NII-2C)	5720	16.59	16.53
144 (U-NII-3)	5720	5.17	4.98

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.88	24.4 > 24
60	5300	22.02	24.42 > 24
64	5320	25.52	25.06 > 24
100	5500	21.89	24.4 > 24
116	5580	21.89	24.4 > 24
140	5700	22.68	24.55 > 24
144 (U-NII-2C)	5720	16.53	23.18 < 24

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

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.84	20.88
60	5300	21.07	20.76
64	5320	20.82	20.75
100	5500	21.03	21.21
116	5580	20.79	21.16
140	5700	21.07	21.04
144 (U-NII-2C)	5720	15.30	15.13
144 (U-NII-3)	5720	5.60	5.29

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.84	24.18 > 24
60	5300	20.76	24.17 > 24
64	5320	20.75	24.17 > 24
100	5500	21.03	24.22 > 24
116	5580	20.79	24.17 > 24
140	5700	21.04	24.23 > 24
144 (U-NII-2C)	5720	15.13	22.79 < 24

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

802.11ax (HE40) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	21.04	41.02
62	5310	40.51	40.80
102	5510	40.59	40.86
110	5550	41.04	40.51
134	5670	40.80	40.66
142 (U-NII-2C)	5710	35.48	35.34
142 (U-NII-3)	5710	5.36	5.25

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	21.04	24.23 > 24
62	5310	40.51	27.07 > 24
102	5510	40.59	27.08 > 24
110	5550	40.51	27.07 > 24
134	5670	40.66	27.09 > 24
142 (U-NII-2C)	5710	35.34	26.48 > 24

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

802.11ax (HE80) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.64	82.43
106	5530	82.07	82.91
122	5610	82.73	82.80
138 (U-NII-2C)	5690	76.87	76.33
138 (U-NII-3)	5690	5.97	6.22

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	82.43	30.16 > 24
106	5530	82.07	30.14 > 24
122	5610	82.73	30.17 > 24
138 (U-NII-2C)	5690	76.33	29.82 > 24

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

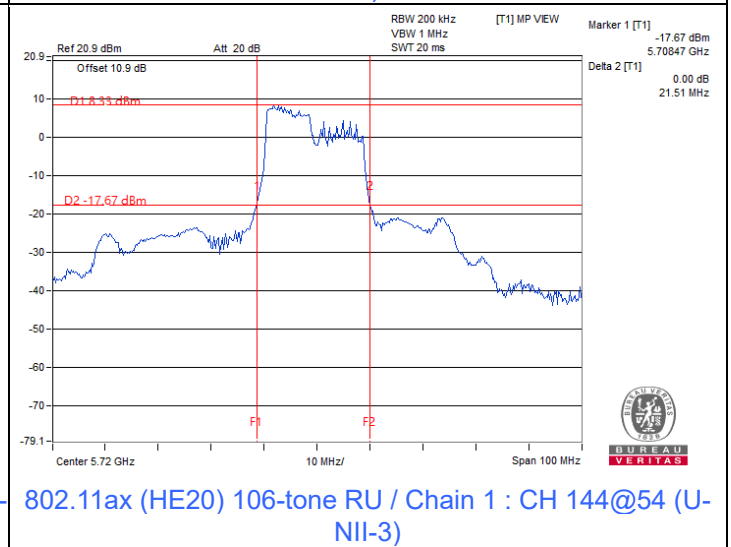
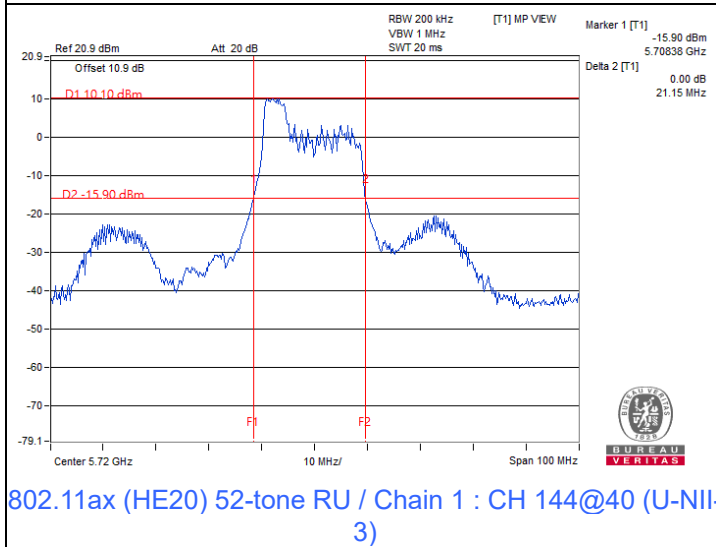
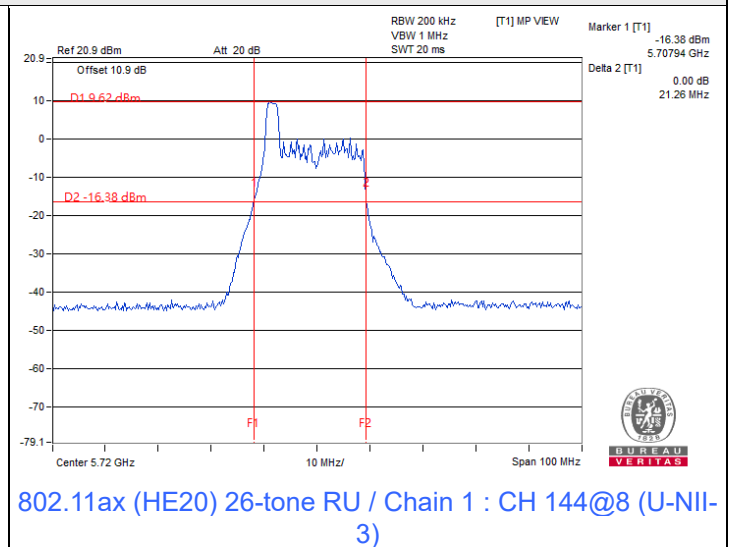
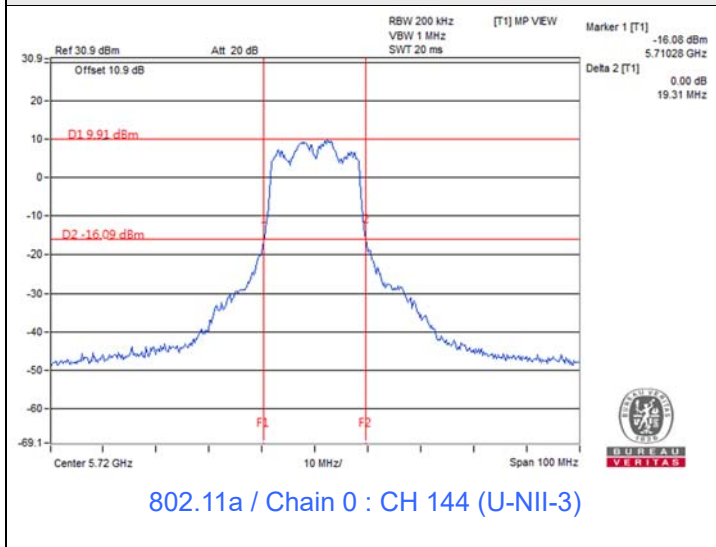
802.11ax (HE160) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.00	82.95
50 (U-NII-2A)	5250	83.23	82.47
114	5570	165.50	166.42

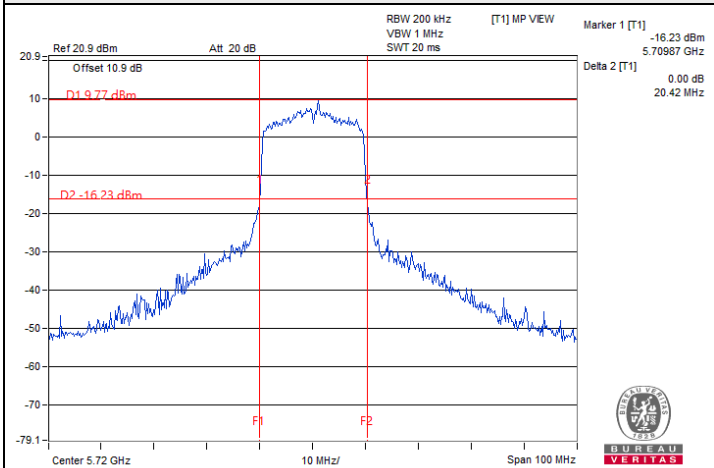
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	82.47	30.16 > 24
114	5570	165.50	33.18 > 24

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

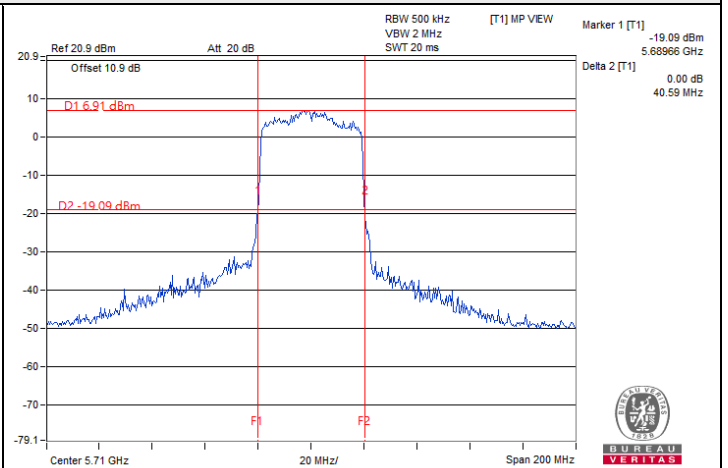
Spectrum Plot of Minimum Value



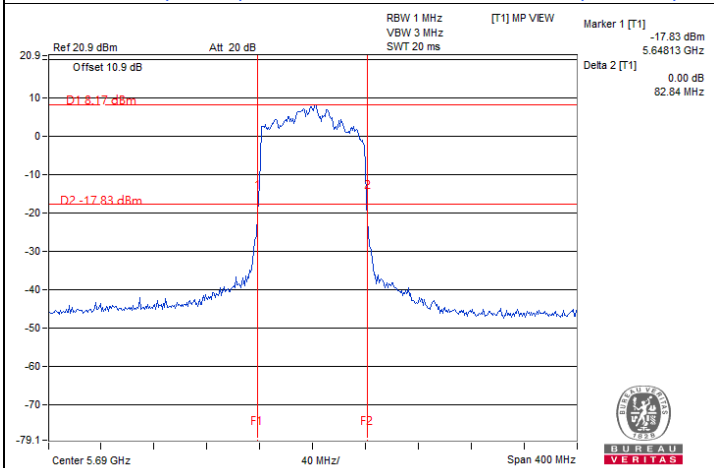
Spectrum Plot of Minimum Value



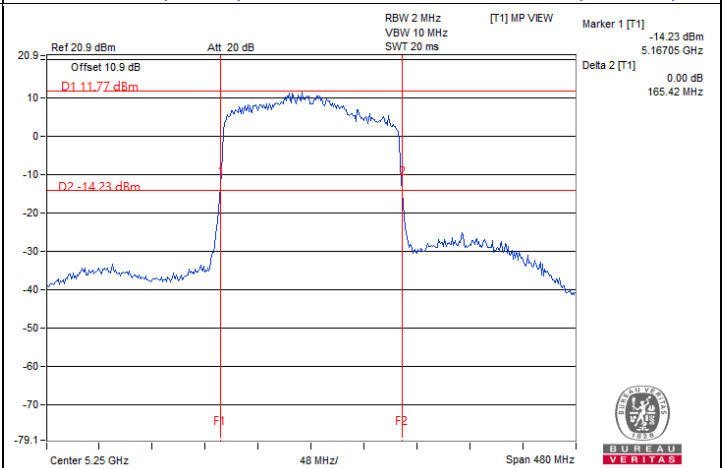
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



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



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



802.11ax (HE160) Full RU / Chain 1 : CH 50 (U-NII-2A)

Notes:

1. For U-NII-2C straddle channel = 5725 MHz - Marker 1
2. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz
3. For U-NII-1 straddle channel = 5250 MHz - Marker 1
4. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250 MHz

7.2 RF Output Power

Input Power:	3.86 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu
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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	15.30	16.70	80.658	19.07	24	Pass
40	5200	16.93	17.12	100.84	20.04	24	Pass
48	5240	16.61	17.07	96.747	19.86	24	Pass
52	5260	17.01	17.07	101.167	20.05	23.78	Pass
60	5300	17.03	17.10	101.752	20.08	23.74	Pass
64	5320	16.52	16.57	90.269	19.56	23.73	Pass
100	5500	16.20	16.40	85.339	19.31	23.81	Pass
116	5580	16.32	17.08	93.905	19.73	23.81	Pass
140	5700	16.20	16.60	87.396	19.41	23.82	Pass
*144 (U-NII-2C)	5720	15.70	15.84	75.524	18.78	22.67	Pass
*144 (U-NII-3)	5720	6.98	8.96	12.859	11.09	30	Pass
149	5745	16.07	18.01	103.699	20.16	30	Pass
157	5785	16.19	17.83	102.265	20.10	30	Pass
165	5825	16.03	17.91	101.888	20.08	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 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	14.51	16.37	71.6	18.55	24	Pass
40	5200	15.01	16.73	78.793	18.96	24	Pass
48	5240	14.48	16.51	72.826	18.62	24	Pass
52	5260	15.03	16.49	76.408	18.83	24	Pass
60	5300	15.08	16.59	77.814	18.91	24	Pass
64	5320	14.71	16.07	70.038	18.45	24	Pass
100	5500	15.22	15.78	71.11	18.52	24	Pass
116	5580	15.07	16.24	74.209	18.70	24	Pass
140	5700	14.84	15.65	67.207	18.27	24	Pass
*144 (U-NII-2C)	5720	12.98	14.24	46.407	16.67	22.79	Pass
*144 (U-NII-3)	5720	5.81	7.84	9.892	9.95	30	Pass
149	5745	15.41	16.35	77.906	18.92	30	Pass
157	5785	15.47	16.22	77.116	18.87	30	Pass
165	5825	15.88	16.15	79.936	19.03	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 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	13.31	15.42	56.263	17.50	24	Pass
46	5230	14.37	16.45	71.51	18.54	24	Pass
54	5270	14.85	16.54	75.631	18.79	24	Pass
62	5310	13.17	14.48	48.803	16.88	24	Pass
102	5510	13.88	14.33	51.536	17.12	24	Pass
110	5550	15.71	16.15	78.449	18.95	24	Pass
134	5670	15.21	16.49	77.755	18.91	24	Pass
*142 (U-NII-2C)	5710	14.65	14.91	60.148	17.79	24	Pass
*142 (U-NII-3)	5710	1.59	0.89	2.67	4.27	30	Pass
151	5755	15.59	16.31	78.981	18.98	30	Pass
159	5795	15.21	16.52	78.064	18.92	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 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	14.59	16.49	73.34	18.65	24	Pass
40	5200	15.04	16.82	79.999	19.03	24	Pass
48	5240	14.50	16.53	73.162	18.64	24	Pass
52	5260	15.05	16.51	76.76	18.85	24	Pass
60	5300	15.09	16.60	77.994	18.92	24	Pass
64	5320	14.73	16.09	70.361	18.47	24	Pass
100	5500	15.24	15.80	71.438	18.54	24	Pass
116	5580	15.16	16.34	75.862	18.80	24	Pass
140	5700	14.86	15.67	67.517	18.29	24	Pass
*144 (U-NII-2C)	5720	13.04	14.37	47.49	16.77	22.79	Pass
*144 (U-NII-3)	5720	5.94	7.92	10.121	10.05	30	Pass
149	5745	15.49	16.42	79.253	18.99	30	Pass
157	5785	15.49	16.25	77.569	18.90	30	Pass
165	5825	15.89	16.17	80.215	19.04	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 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	13.32	15.44	56.473	17.52	24	Pass
46	5230	14.39	16.46	71.738	18.56	24	Pass
54	5270	14.86	16.56	75.909	18.80	24	Pass
62	5310	13.19	14.50	49.029	16.90	24	Pass
102	5510	13.90	14.34	51.711	17.14	24	Pass
110	5550	15.79	16.21	79.715	19.02	24	Pass
134	5670	15.27	16.55	78.837	18.97	24	Pass
*142 (U-NII-2C)	5710	14.73	14.97	61.122	17.86	24	Pass
*142 (U-NII-3)	5710	2.12	3.32	3.777	5.77	30	Pass
151	5755	15.61	16.35	79.543	19.01	30	Pass
159	5795	15.25	16.63	79.522	19.00	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 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	12.62	14.49	46.4	16.67	24	Pass
58	5290	12.86	13.97	44.266	16.46	24	Pass
106	5530	13.60	14.19	49.151	16.92	24	Pass
122	5610	15.31	16.68	80.521	19.06	24	Pass
*138 (U-NII-2C)	5690	14.96	16.07	71.79	18.56	24	Pass
*138 (U-NII-3)	5690	-8.65	-0.05	1.125	0.51	30	Pass
155	5775	15.46	16.36	78.407	18.94	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 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	9.14	8.51	15.299	11.85	24	Pass
*50 (U-NII-2A)	5250	7.51	7.42	11.157	10.48	24	Pass
114	5570	12.53	12.21	34.54	15.38	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.24	11.60	25.031	13.98	24	Pass
40	5200	11.06	11.21	25.961	14.14	24	Pass
48	5240	10.84	11.40	25.931	14.14	24	Pass
52	5260	10.80	10.86	24.203	13.84	24	Pass
60	5300	10.61	10.99	24.086	13.82	24	Pass
64	5320	10.70	10.85	23.9	13.78	24	Pass
100	5500	10.91	11.27	25.75	14.11	24	Pass
116	5580	10.57	10.96	23.888	13.78	24	Pass
140	5700	11.14	10.06	23.144	13.64	24	Pass
*144 (U-NII-2C)	5720	9.12	11.41	22.001	13.42	23.3	Pass
*144 (U-NII-3)	5720	-27.51	-26.38	0.004076	-23.90	30	Pass
149	5745	14.88	16.74	77.967	18.92	30	Pass
157	5785	14.94	16.68	77.76	18.91	30	Pass
165	5825	14.73	16.71	76.598	18.84	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.34	14.63	50.595	17.04	24	Pass
40	5200	14.07	14.27	52.267	17.18	24	Pass
48	5240	13.86	14.41	51.937	17.15	24	Pass
52	5260	13.86	13.86	48.63	16.87	24	Pass
60	5300	13.65	14.06	48.647	16.87	24	Pass
64	5320	13.77	13.90	48.324	16.84	24	Pass
100	5500	13.97	14.34	52.091	17.17	24	Pass
116	5580	13.61	13.99	48.03	16.82	24	Pass
140	5700	14.24	13.10	46.965	16.72	24	Pass
*144 (U-NII-2C)	5720	12.35	14.09	42.824	16.32	23.13	Pass
*144 (U-NII-3)	5720	-29.96	-24.62	0.004461	-23.51	30	Pass
149	5745	14.91	16.79	78.727	18.96	30	Pass
157	5785	14.94	16.68	77.76	18.91	30	Pass
165	5825	14.78	16.72	77.05	18.87	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.91	16.15	72.184	18.58	24	Pass
40	5200	15.94	16.01	79.167	18.99	24	Pass
48	5240	15.44	15.93	74.227	18.71	24	Pass
52	5260	15.89	15.87	77.46	18.89	24	Pass
60	5300	15.66	16.12	77.775	18.91	24	Pass
64	5320	15.81	15.94	77.403	18.89	24	Pass
100	5500	15.54	15.89	74.625	18.73	24	Pass
116	5580	15.65	16.01	76.657	18.85	24	Pass
140	5700	15.81	14.68	67.468	18.29	24	Pass
*144 (U-NII-2C)	5720	14.49	16.08	68.67	18.37	23.18	Pass
*144 (U-NII-3)	5720	-28.09	-22.16	0.007634	-21.17	30	Pass
149	5745	14.98	16.75	78.793	18.96	30	Pass
157	5785	14.98	16.78	79.073	18.98	30	Pass
165	5825	14.84	16.75	77.794	18.91	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	14.97	16.26	73.672	18.67	24	Pass
40	5200	15.98	16.03	79.714	19.02	24	Pass
48	5240	15.47	15.94	74.46	18.72	24	Pass
52	5260	15.91	15.91	77.958	18.92	24	Pass
60	5300	15.69	16.14	78.214	18.93	24	Pass
64	5320	15.89	15.96	78.215	18.93	24	Pass
100	5500	15.56	15.96	75.456	18.78	24	Pass
116	5580	15.66	16.04	77.027	18.87	24	Pass
140	5700	15.87	14.72	68.221	18.34	24	Pass
*144 (U-NII-2C)	5720	13.07	14.48	48.331	16.84	22.79	Pass
*144 (U-NII-3)	5720	5.94	8.01	10.251	10.11	30	Pass
149	5745	15.04	16.81	79.889	19.02	30	Pass
157	5785	15.05	16.78	79.645	19.01	30	Pass
165	5825	14.92	16.87	79.686	19.01	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	15.41	16.03	74.84	18.74	24	Pass
40	5200	15.51	16.62	81.483	19.11	24	Pass
48	5240	15.47	15.98	74.865	18.74	24	Pass
52	5260	15.94	15.95	78.62	18.96	24	Pass
60	5300	15.74	16.16	78.802	18.97	24	Pass
64	5320	15.91	16.00	78.805	18.97	24	Pass
100	5500	15.59	15.98	75.852	18.80	24	Pass
116	5580	15.69	16.07	77.526	18.89	24	Pass
140	5700	15.88	14.75	68.58	18.36	24	Pass
*144 (U-NII-2C)	5720	13.12	14.54	48.956	16.90	22.79	Pass
*144 (U-NII-3)	5720	6.02	8.06	10.397	10.17	30	Pass
149	5745	15.70	16.44	81.209	19.10	30	Pass
157	5785	15.76	16.28	80.132	19.04	30	Pass
165	5825	15.52	16.53	80.623	19.06	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	10.14	11.57	24.669	13.92	24	Pass
46	5230	10.75	11.32	25.452	14.06	24	Pass
54	5270	10.78	10.76	23.878	13.78	24	Pass
62	5310	10.66	10.77	23.586	13.73	24	Pass
102	5510	10.84	11.24	25.428	14.05	24	Pass
110	5550	10.51	10.92	23.607	13.73	24	Pass
134	5670	11.09	9.98	22.802	13.58	24	Pass
*142 (U-NII-2C)	5710	9.02	10.98	20.511	13.12	24	Pass
*142 (U-NII-3)	5710	-35.19	-33.56	0.0007432	-31.29	30	Pass
151	5755	14.96	15.98	70.941	18.51	30	Pass
159	5795	14.74	16.31	72.541	18.61	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.33	14.53	49.947	16.99	24	Pass
46	5230	13.77	14.36	51.092	17.08	24	Pass
54	5270	13.81	13.78	47.918	16.80	24	Pass
62	5310	13.76	13.88	48.216	16.83	24	Pass
102	5510	13.92	14.34	51.84	17.15	24	Pass
110	5550	13.55	13.97	47.588	16.77	24	Pass
134	5670	14.15	13.04	46.123	16.64	24	Pass
*142 (U-NII-2C)	5710	12.39	14.25	43.945	16.43	24	Pass
*142 (U-NII-3)	5710	-33.77	-30.99	0.0012159	-29.15	30	Pass
151	5755	14.98	16.03	71.562	18.55	30	Pass
159	5795	14.79	16.39	73.673	18.67	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.28	15.72	71.005	18.51	24	Pass
46	5230	15.20	15.62	69.608	18.43	24	Pass
54	5270	15.65	15.66	73.499	18.66	24	Pass
62	5310	15.69	15.73	74.479	18.72	24	Pass
102	5510	15.33	15.84	72.49	18.60	24	Pass
110	5550	15.61	15.96	75.853	18.80	24	Pass
134	5670	15.71	14.62	66.184	18.21	24	Pass
*142 (U-NII-2C)	5710	14.27	15.77	64.487	18.09	24	Pass
*142 (U-NII-3)	5710	-36.51	-30.39	0.0011375	-29.44	30	Pass
151	5755	15.10	16.17	73.748	18.68	30	Pass
159	5795	14.84	16.43	74.433	18.72	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	15.37	15.81	72.54	18.61	24	Pass
46	5230	15.30	15.70	71.057	18.52	24	Pass
54	5270	15.68	15.70	74.164	18.70	24	Pass
62	5310	15.79	15.84	76.302	18.83	24	Pass
102	5510	15.29	15.88	72.532	18.61	24	Pass
110	5550	15.63	15.97	76.11	18.81	24	Pass
134	5670	15.78	14.62	66.773	18.25	24	Pass
*142 (U-NII-2C)	5710	14.84	16.17	71.879	18.57	24	Pass
*142 (U-NII-3)	5710	-31.16	-26.24	0.0031424	-25.03	30	Pass
151	5755	15.12	16.21	74.279	18.71	30	Pass
159	5795	14.90	16.47	75.296	18.77	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	13.84	15.19	57.247	17.58	24	Pass
46	5230	15.37	15.80	72.461	18.60	24	Pass
54	5270	15.78	15.78	75.656	18.79	24	Pass
62	5310	13.62	13.85	47.281	16.75	24	Pass
102	5510	13.84	14.56	52.786	17.23	24	Pass
110	5550	15.76	16.27	80.035	19.03	24	Pass
134	5670	15.84	16.09	79.015	18.98	24	Pass
*142 (U-NII-2C)	5710	14.92	15.41	65.799	18.18	24	Pass
*142 (U-NII-3)	5710	1.69	0.95	2.72	4.35	30	Pass
151	5755	15.85	16.05	78.731	18.96	30	Pass
159	5795	15.91	16.12	79.92	19.03	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	14.76	14.45	57.784	17.62	24	Pass
46	5230	15.46	15.83	73.439	18.66	24	Pass
54	5270	15.85	15.82	76.654	18.85	24	Pass
62	5310	13.60	14.30	49.824	16.97	24	Pass
102	5510	14.40	14.10	53.246	17.26	24	Pass
110	5550	15.87	16.33	81.59	19.12	24	Pass
134	5670	15.33	16.62	80.039	19.03	24	Pass
*142 (U-NII-2C)	5710	14.98	15.46	66.634	18.24	24	Pass
*142 (U-NII-3)	5710	1.75	1.00	2.755	4.40	30	Pass
151	5755	15.64	16.42	80.497	19.06	30	Pass
159	5795	15.31	16.67	80.414	19.05	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	10.07	11.53	24.41	13.88	24	Pass
58	5290	10.70	10.67	23.412	13.69	24	Pass
106	5530	10.78	11.19	25.117	14.00	24	Pass
122	5610	11.06	9.90	22.533	13.53	24	Pass
*138 (U-NII-2C)	5690	9.22	10.97	20.859	13.19	24	Pass
*138 (U-NII-3)	5690	-37.06	-36.17	0.0004383	-33.58	30	Pass
155	5775	14.95	15.64	67.877	18.32	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	13.31	14.48	49.454	16.94	24	Pass
58	5290	13.08	13.53	42.866	16.32	24	Pass
106	5530	13.83	14.25	50.721	17.05	24	Pass
122	5610	14.12	12.97	45.64	16.59	24	Pass
*138 (U-NII-2C)	5690	12.62	13.86	42.603	16.29	24	Pass
*138 (U-NII-3)	5690	-34.35	-34.56	0.0007172	-31.44	30	Pass
155	5775	14.98	15.71	68.687	18.37	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.84	14.89	69.203	18.40	24	Pass
58	5290	16.10	14.88	71.499	18.54	24	Pass
106	5530	15.66	15.32	70.854	18.50	24	Pass
122	5610	15.69	14.51	65.291	18.15	24	Pass
*138 (U-NII-2C)	5690	14.67	15.56	65.284	18.15	24	Pass
*138 (U-NII-3)	5690	-32.08	-31.24	0.0013711	-28.63	30	Pass
155	5775	15.07	15.76	69.799	18.44	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	15.47	15.51	70.8	18.50	24	Pass
58	5290	15.39	16.13	75.614	18.79	24	Pass
106	5530	15.19	15.59	69.261	18.40	24	Pass
122	5610	15.69	14.56	65.676	18.17	24	Pass
*138 (U-NII-2C)	5690	14.30	15.62	63.391	18.02	24	Pass
*138 (U-NII-3)	5690	-36.72	-33.34	0.0006763	-31.70	30	Pass
155	5775	15.12	15.87	71.123	18.52	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 484-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	14.44	14.57	56.439	17.52	24	Pass
58	5290	13.26	13.69	44.561	16.49	24	Pass
106	5530	13.89	14.36	51.78	17.14	24	Pass
122	5610	15.80	16.02	78.009	18.92	24	Pass
*138 (U-NII-2C)	5690	15.00	15.44	66.617	18.24	24	Pass
*138 (U-NII-3)	5690	-33.01	-31.18	0.0012621	-28.99	30	Pass
155	5775	15.90	15.99	78.567	18.95	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 996-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	13.36	13.85	45.943	16.62	24	Pass
58	5290	13.32	13.72	45.001	16.53	24	Pass
106	5530	13.57	14.19	48.993	16.90	24	Pass
122	5610	15.88	16.09	79.37	19.00	24	Pass
*138 (U-NII-2C)	5690	15.30	15.76	71.555	18.55	24	Pass
*138 (U-NII-3)	5690	-5.24	-3.43	0.7532	-1.23	30	Pass
155	5775	15.90	16.08	79.439	19.00	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	13.38	14.05	47.187	16.74	24	Pass
58	5290	13.10	14.00	45.536	16.58	24	Pass
106	5530	13.62	14.21	49.378	16.94	24	Pass
122	5610	15.95	16.19	80.946	19.08	24	Pass
*138 (U-NII-2C)	5690	15.33	15.87	72.756	18.62	24	Pass
*138 (U-NII-3)	5690	-5.12	-3.30	0.7753	-1.11	30	Pass
155	5775	14.96	16.88	80.086	19.04	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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.1 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 26-tone RU

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	9.64	10.93	21.592	13.34	24	Pass
*50 (U-NII-2A)	5250	-26.24	-25.03	0.005517	-22.58	24	Pass
114	5570	10.71	11.16	24.848	13.95	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 52-tone RU

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	12.62	13.06	38.511	15.86	24	Pass
*50 (U-NII-2A)	5250	-25.52	-25.87	0.005394	-22.68	24	Pass
114	5570	13.97	14.09	50.591	17.04	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 106-tone RU

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	14.57	15.08	60.852	17.84	24	Pass
*50 (U-NII-2A)	5250	-25.96	-25.11	0.005618	-22.50	24	Pass
114	5570	15.36	15.49	69.756	18.44	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 242-tone RU

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	14.92	14.99	62.596	17.97	24	Pass
*50 (U-NII-2A)	5250	-26.54	-26.19	0.004623	-23.35	24	Pass
114	5570	15.26	15.21	66.763	18.25	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 484-tone RU

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	13.38	13.23	42.815	16.32	24	Pass
*50 (U-NII-2A)	5250	-26.15	-25.01	0.005582	-22.53	24	Pass
114	5570	14.03	14.19	51.535	17.12	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 996-tone RU

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	12.28	12.73	35.654	15.52	24	Pass
*50 (U-NII-2A)	5250	-21.50	-21.87	0.013581	-18.67	24	Pass
114	5570	13.54	13.71	46.091	16.64	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) 2x996-tone RU

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	9.12	10.01	18.189	12.60	24	Pass
*50 (U-NII-2A)	5250	8.49	7.45	12.622	11.01	24	Pass
114	5570	12.35	12.51	35.003	15.44	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 , 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

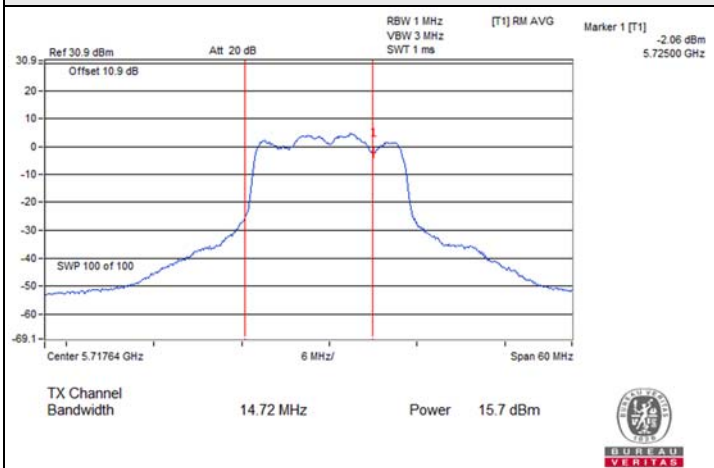
802.11ax (HE160) Full RU

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	9.15	10.08	18.408	12.65	24	Pass
*50 (U-NII-2A)	5250	8.54	7.50	12.768	11.06	24	Pass
114	5570	12.61	12.28	35.143	15.46	24	Pass

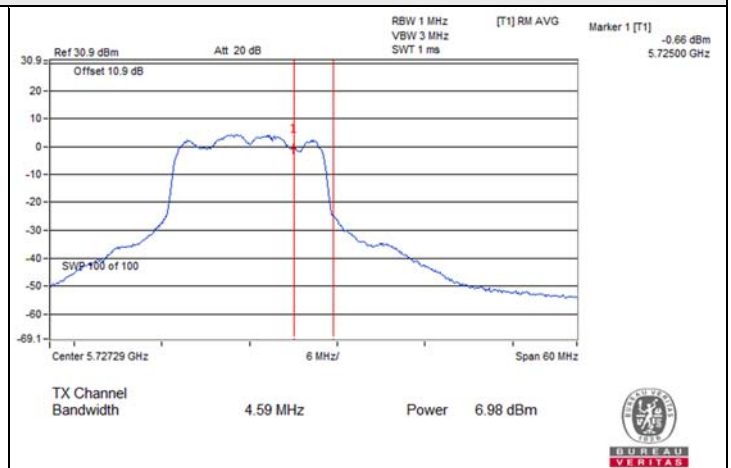
Notes:

- * : 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 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 0.9 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 1.7 dBi < 6 dBi, so the output power limit shall not be reduced.

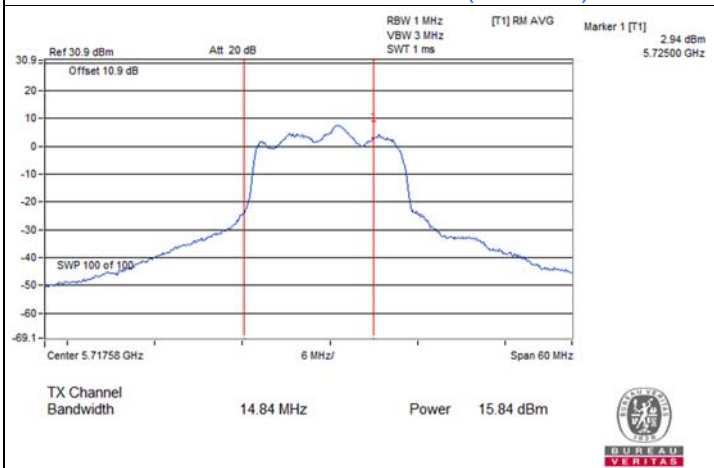
Spectrum Plot for channel straddling



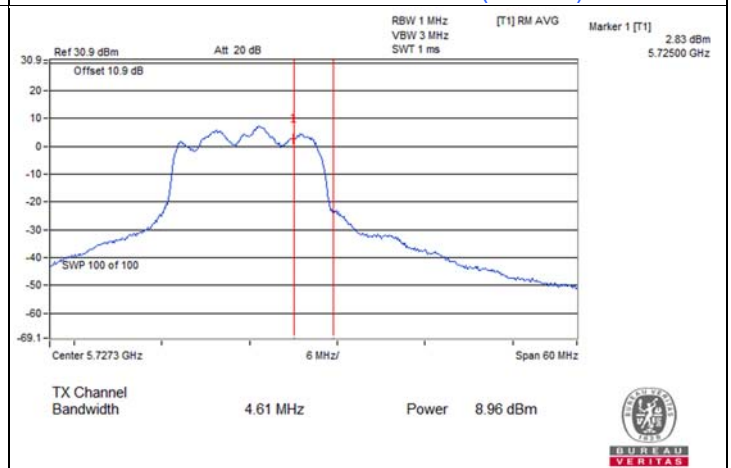
802.11a / Chain 0 : CH 144 (U-NII-2C)



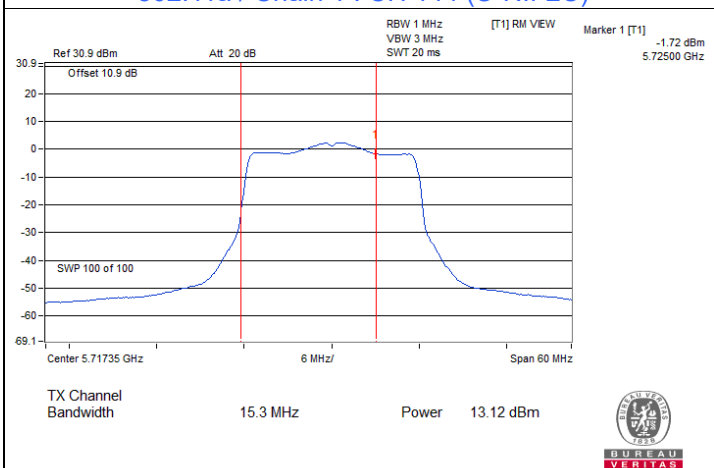
802.11a / Chain 0 : CH 144 (U-NII-3)



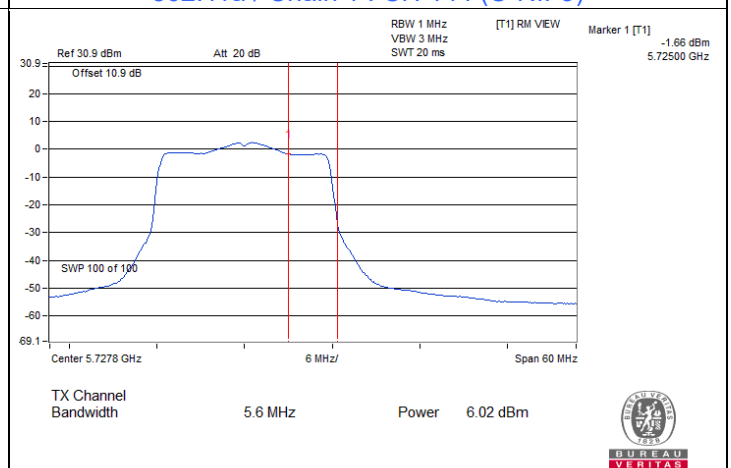
802.11a / Chain 1 : CH 144 (U-NII-2C)



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



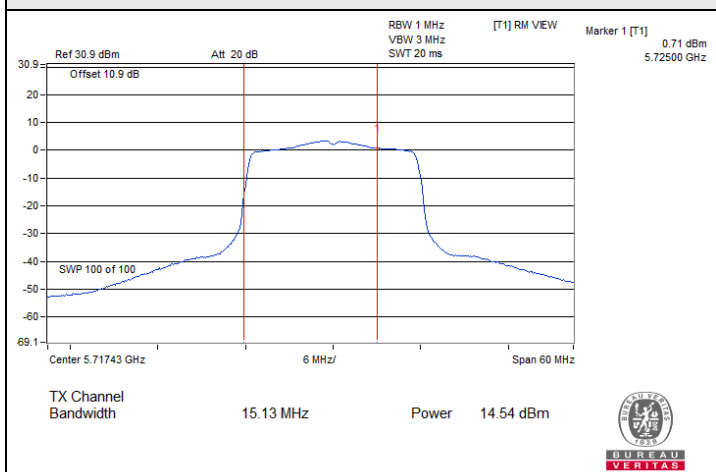
802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-2C)



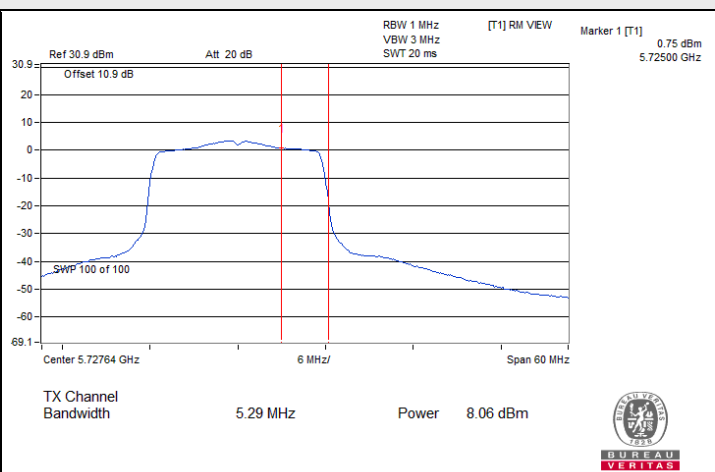
802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-3)



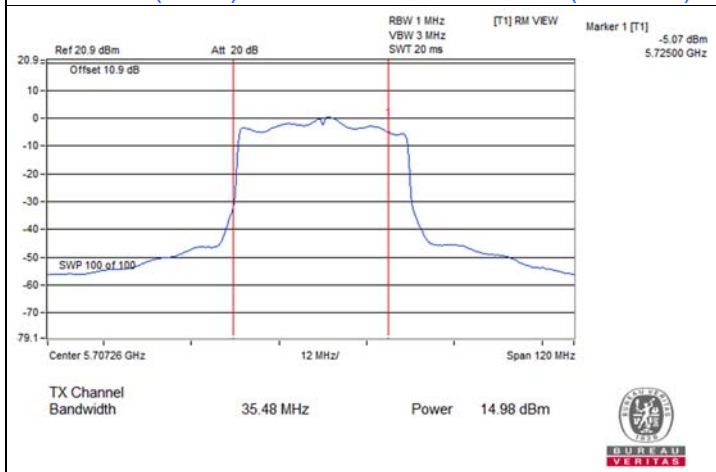
Spectrum Plot for channel straddling



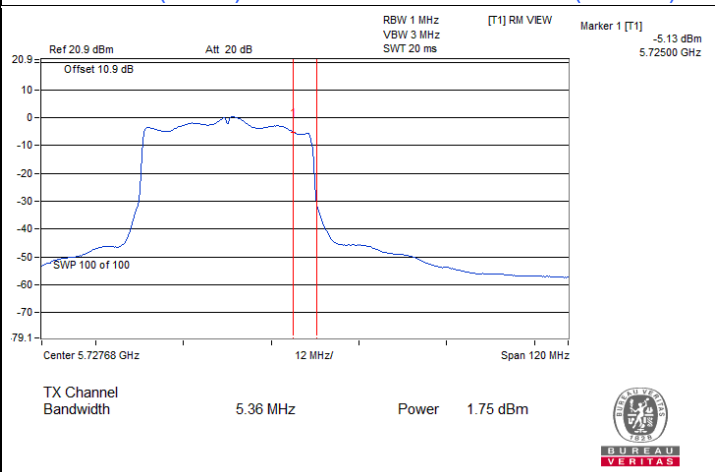
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-2C)



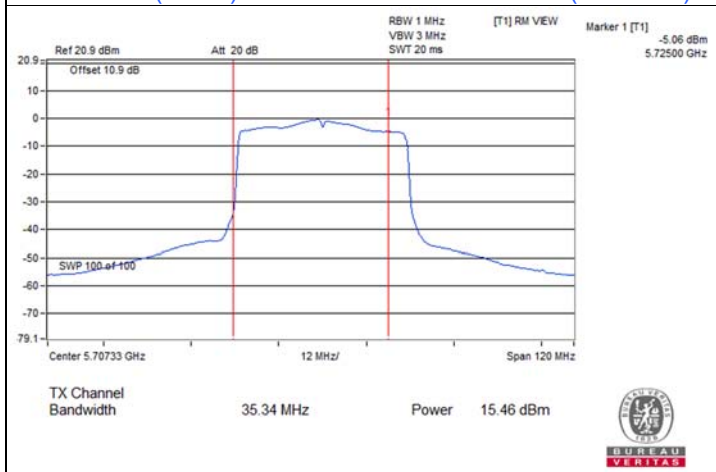
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



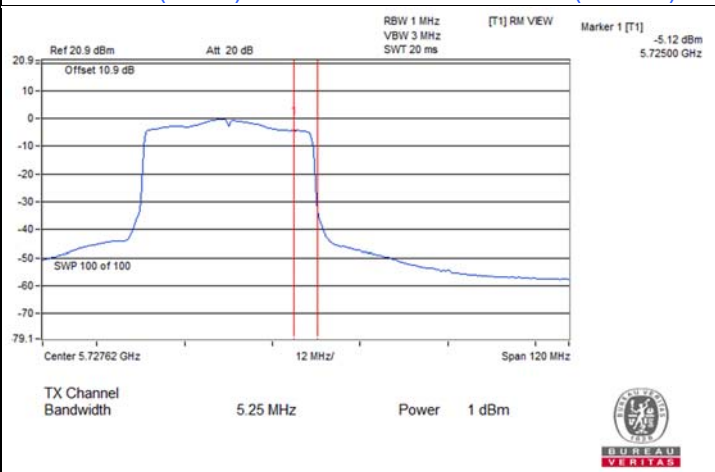
802.11ax (HE40) Full RU / Chain 0 : CH 142 (U-NII-2C)



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



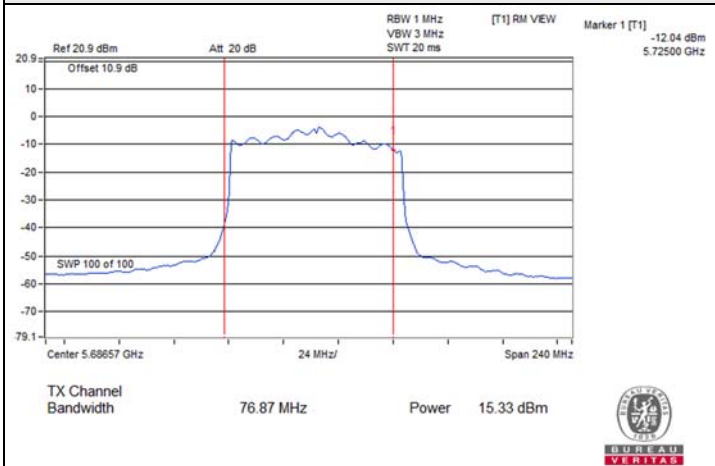
802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-2C)



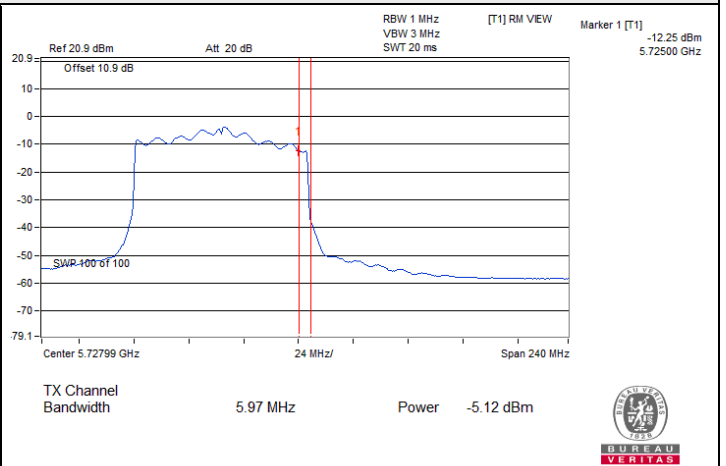
802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)



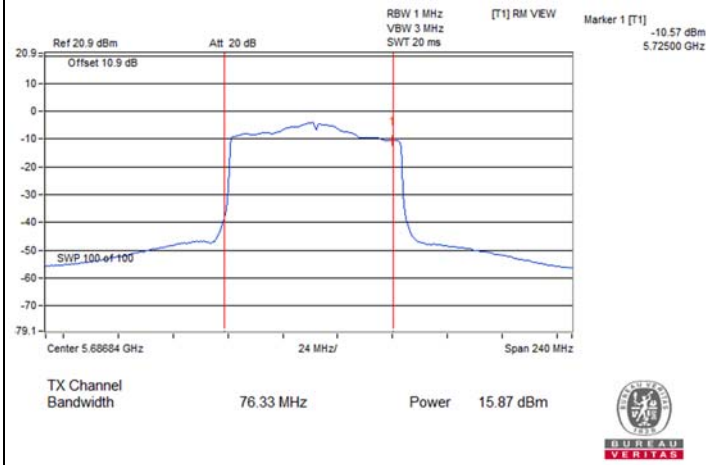
Spectrum Plot for channel straddling



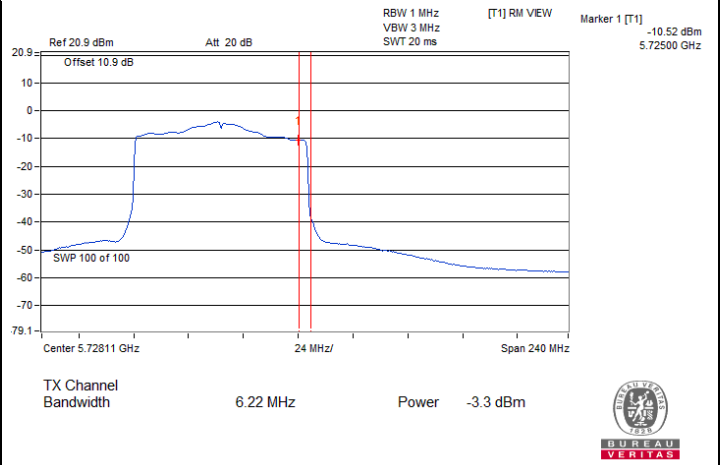
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-2C)



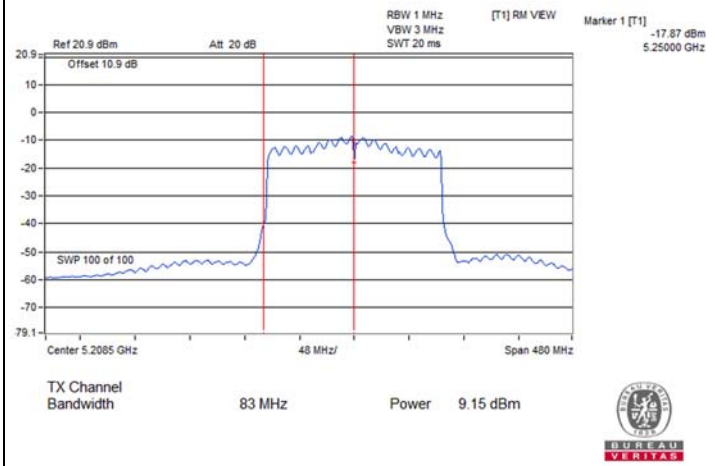
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-3)



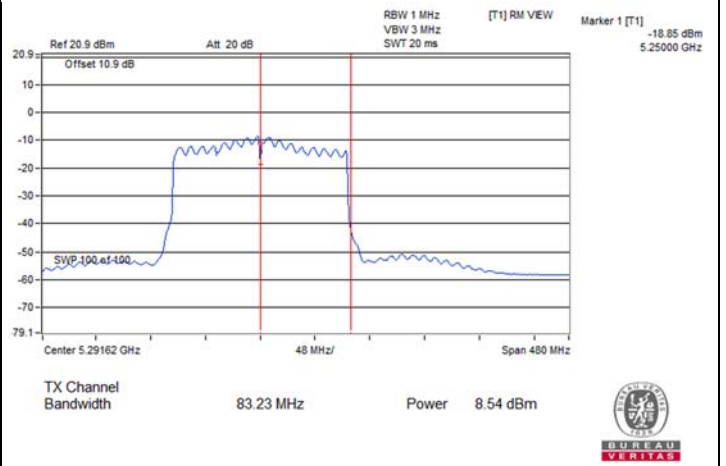
802.11ax (HE80) Full RU / Chain 1 : CH 138 (U-NII-2C)



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



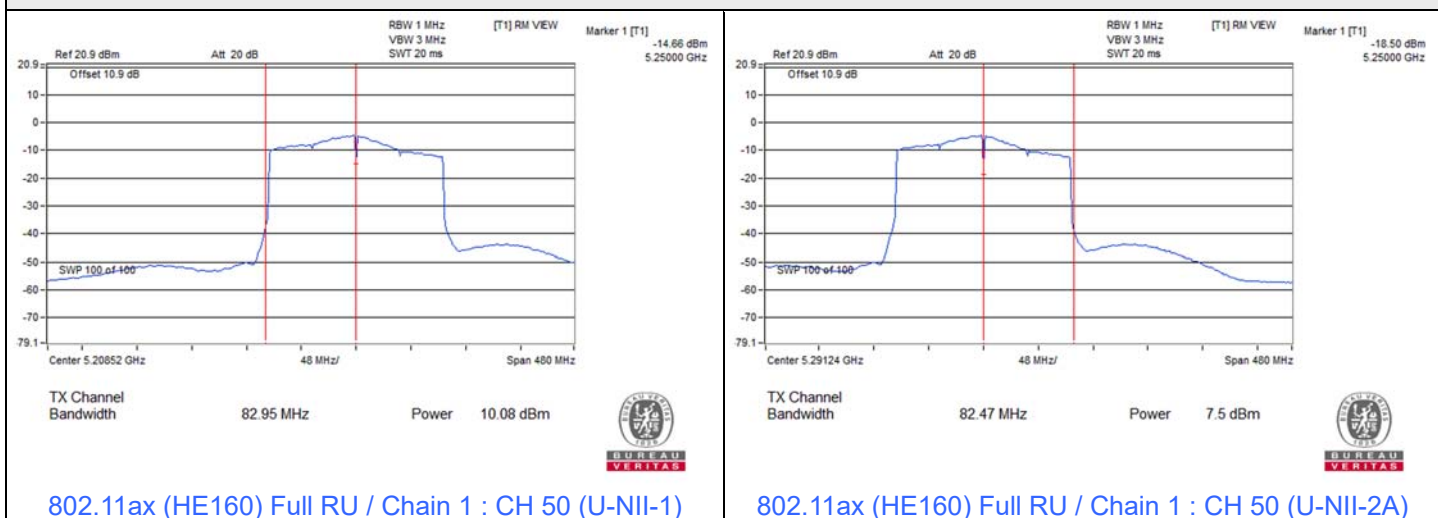
802.11ax (HE160) Full RU / Chain 0 : CH 50 (U-NII-1)



802.11ax (HE160) Full RU / Chain 0 : CH 50 (U-NII-2A)



Spectrum Plot for channel straddling



7.3 Power Spectral Density

Input Power:	3.86 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	5.16	4.40	7.81	11	Pass
40	5200	5.32	4.66	8.01	11	Pass
48	5240	5.17	4.78	7.99	11	Pass
52	5260	5.39	4.65	8.05	11	Pass
60	5300	5.67	5.22	8.46	11	Pass
64	5320	4.67	4.52	7.61	11	Pass
100	5500	5.06	4.96	8.02	11	Pass
116	5580	4.35	4.47	7.42	11	Pass
140	5700	5.57	4.92	8.27	11	Pass
144 (U-NII-2C)	5720	5.31	4.95	8.14	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	6.62	7.66	10.18	11	Pass
40	5200	7.38	7.29	10.35	11	Pass
48	5240	7.06	7.37	10.23	11	Pass
52	5260	7.07	6.81	9.95	11	Pass
60	5300	6.96	7.11	10.05	11	Pass
64	5320	7.04	6.95	10.01	11	Pass
100	5500	7.19	7.42	10.32	11	Pass
116	5580	6.89	6.94	9.93	11	Pass
140	5700	7.60	6.19	9.96	11	Pass
144 (U-NII-2C)	5720	5.93	7.35	9.71	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	6.69	7.75	10.26	11	Pass
40	5200	7.42	7.38	10.41	11	Pass
48	5240	7.20	7.42	10.32	11	Pass
52	5260	7.15	6.89	10.03	11	Pass
60	5300	6.93	7.18	10.07	11	Pass
64	5320	7.11	6.98	10.06	11	Pass
100	5500	7.26	7.51	10.40	11	Pass
116	5580	6.88	7.01	9.96	11	Pass
140	5700	7.66	6.23	10.01	11	Pass
144 (U-NII-2C)	5720	6.53	7.33	9.96	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	5.65	6.39	9.05	11	Pass
40	5200	6.53	6.46	9.51	11	Pass
48	5240	6.09	5.84	8.98	11	Pass
52	5260	6.28	5.73	9.02	11	Pass
60	5300	5.83	6.02	8.94	11	Pass
64	5320	6.37	5.78	9.10	11	Pass
100	5500	5.93	5.91	8.93	11	Pass
116	5580	5.60	5.84	8.73	11	Pass
140	5700	5.98	4.79	8.44	11	Pass
144 (U-NII-2C)	5720	4.90	6.28	8.65	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	2.54	3.68	6.16	11	Pass
40	5200	3.36	3.45	6.42	11	Pass
48	5240	2.87	2.88	5.89	11	Pass
52	5260	3.37	2.68	6.05	11	Pass
60	5300	2.98	2.90	5.95	11	Pass
64	5320	3.11	2.58	5.86	11	Pass
100	5500	2.92	2.70	5.82	11	Pass
116	5580	2.44	3.00	5.74	11	Pass
140	5700	3.12	2.07	5.64	11	Pass
144 (U-NII-2C)	5720	2.34	3.37	5.90	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	0.38	0.49	3.45	11	Pass
46	5230	0.43	0.30	3.38	11	Pass
54	5270	0.67	0.02	3.37	11	Pass
62	5310	-0.14	-0.57	2.66	11	Pass
102	5510	-0.50	-0.71	2.41	11	Pass
110	5550	0.59	0.87	3.74	11	Pass
134	5670	0.99	0.28	3.66	11	Pass
142 (U-NII-2C)	5710	1.03	0.97	4.01	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-2.76	-4.39	-0.49	11	Pass
58	5290	-3.10	-4.54	-0.75	11	Pass
106	5530	-2.57	-3.66	-0.07	11	Pass
122	5610	-0.79	-2.72	1.36	11	Pass
138 (U-NII-2C)	5690	-0.95	-2.36	1.41	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE160) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-8.58	-7.62	-5.06	11	Pass
50 (U-NII-2A)	5250	-9.29	-8.40	-5.81	11	Pass
114	5570	-9.08	-7.94	-5.46	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 3.71 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 3.76 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 4.27 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-5.50	-5.94	-2.7	-0.48	30	Pass
149	5745	-2.81	-2.05	0.6	2.82	30	Pass
157	5785	-2.98	-2.32	0.37	2.59	30	Pass
165	5825	-2.59	-2.61	0.41	2.63	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-40.70	-41.03	-37.85	-35.63	30	Pass
149	5745	3.50	3.84	6.68	8.90	30	Pass
157	5785	3.30	3.72	6.53	8.75	30	Pass
165	5825	3.29	3.98	6.66	8.88	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-40.08	-39.17	-36.59	-34.37	30	Pass
149	5745	0.41	0.78	3.61	5.83	30	Pass
157	5785	0.24	0.67	3.47	5.69	30	Pass
165	5825	0.23	0.97	3.63	5.85	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-38.19	-37.01	-34.55	-32.33	30	Pass
149	5745	-2.63	-2.33	0.53	2.75	30	Pass
157	5785	-3.04	-2.28	0.37	2.59	30	Pass
165	5825	-2.75	-2.04	0.63	2.85	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-10.89	-8.42	-6.47	-4.25	30	Pass
149	5745	-5.67	-5.47	-2.56	-0.34	30	Pass
157	5785	-4.69	-5.41	-2.02	0.20	30	Pass
165	5825	-5.57	-5.33	-2.44	-0.22	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-12.91	-11.85	-9.34	-7.12	30	Pass
151	5755	-8.14	-9.12	-5.59	-3.37	30	Pass
159	5795	-8.40	-9.28	-5.81	-3.59	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.

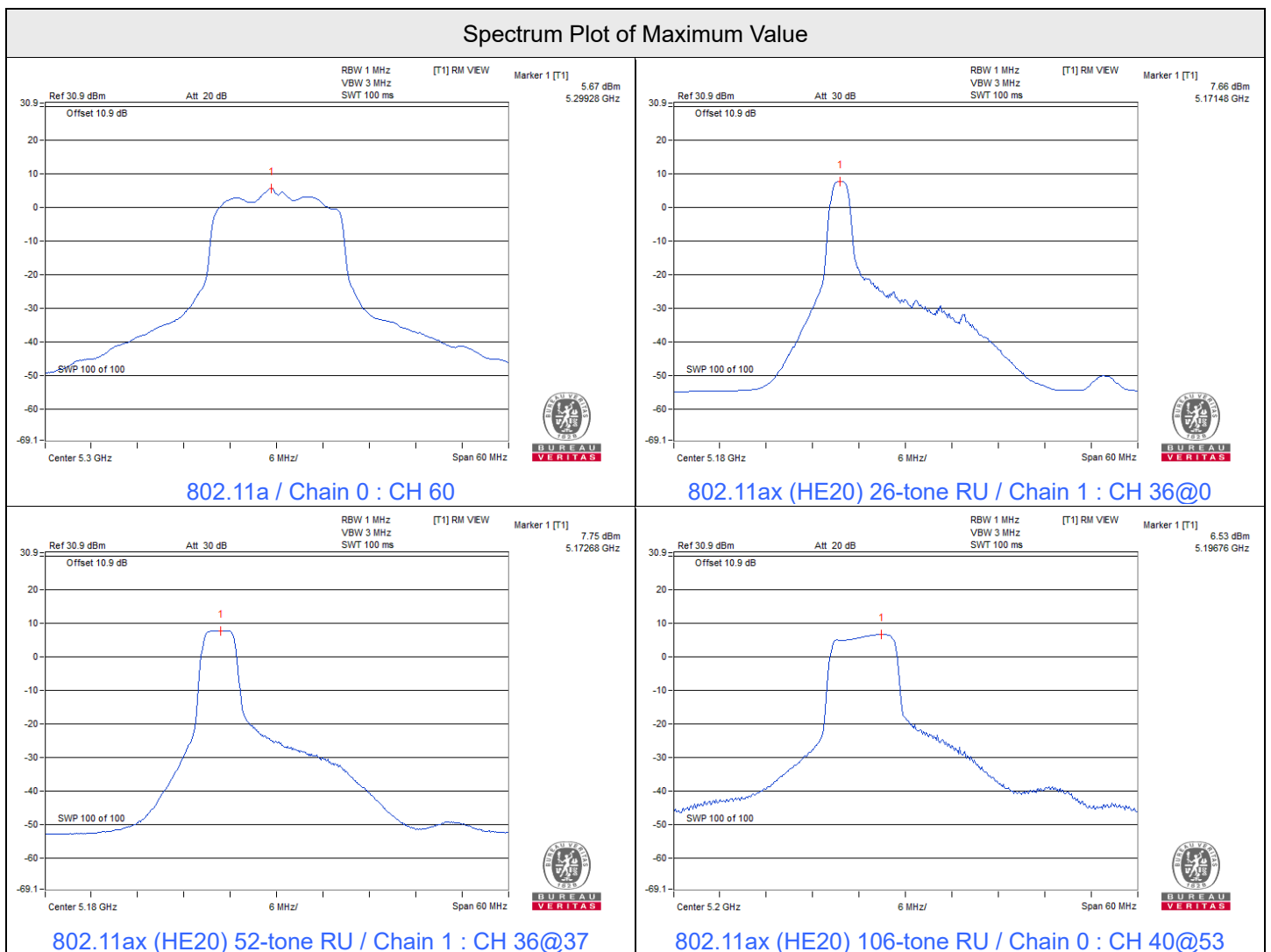


802.11ax (HE80) Full RU

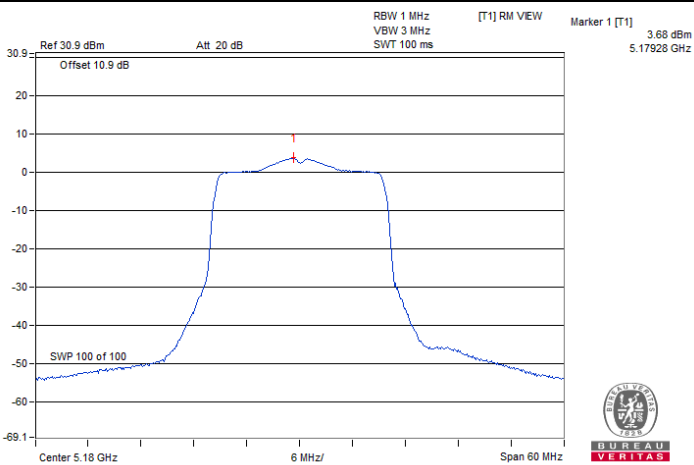
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-15.40	-17.63	-13.36	-11.14	30	Pass
155	5775	-12.19	-13.01	-9.57	-7.35	30	Pass

Notes:

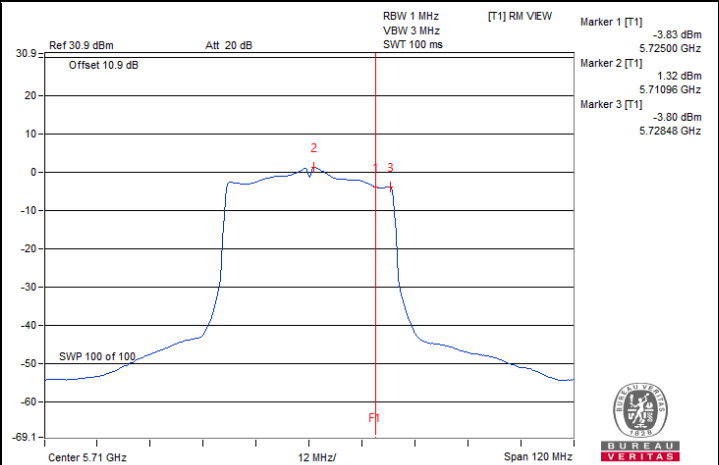
- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 4.62 dBi < 6 dBi, so the power density limit shall not be reduced.



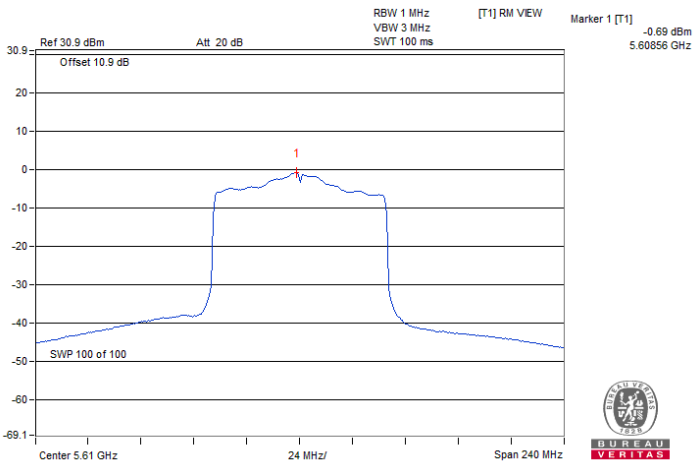
Spectrum Plot of Maximum Value



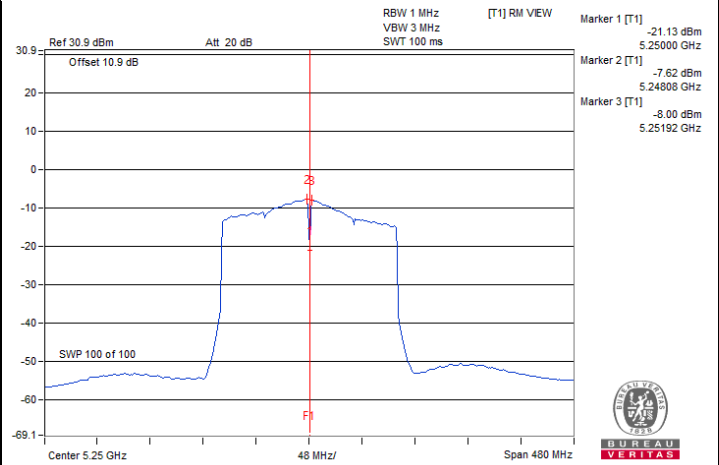
802.11ax (HE20) Full RU / Chain 1 : CH 36



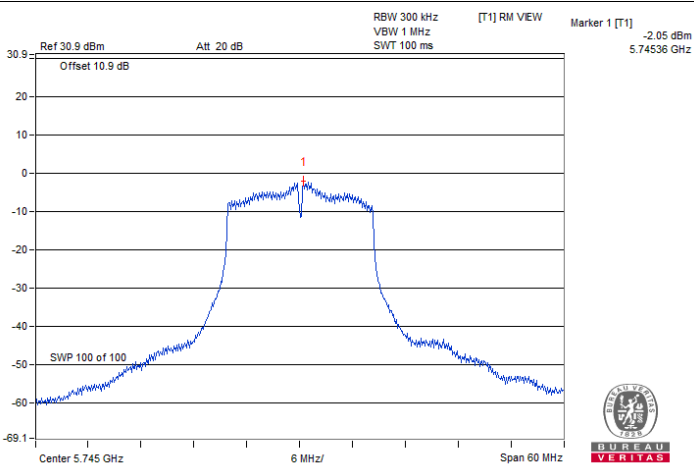
802.11ax (HE40) Full RU / Chain 0 : CH 142 (U-NII-2C)



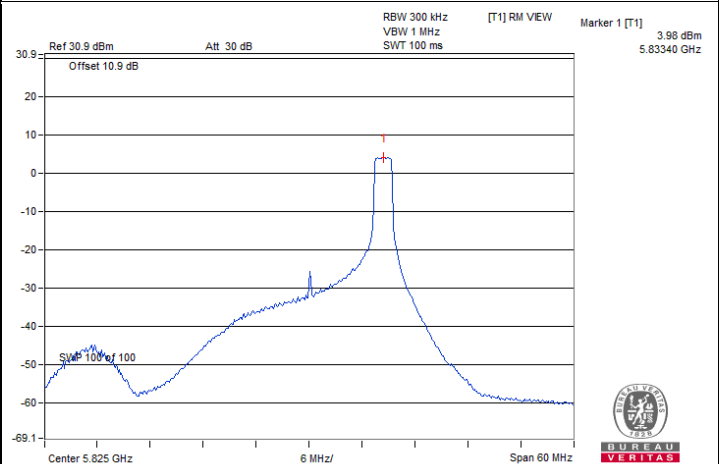
802.11ax (HE80) Full RU / Chain 0 : CH 122



802.11ax (HE160) Full RU / Chain 1 : CH 50 (U-NII-1)

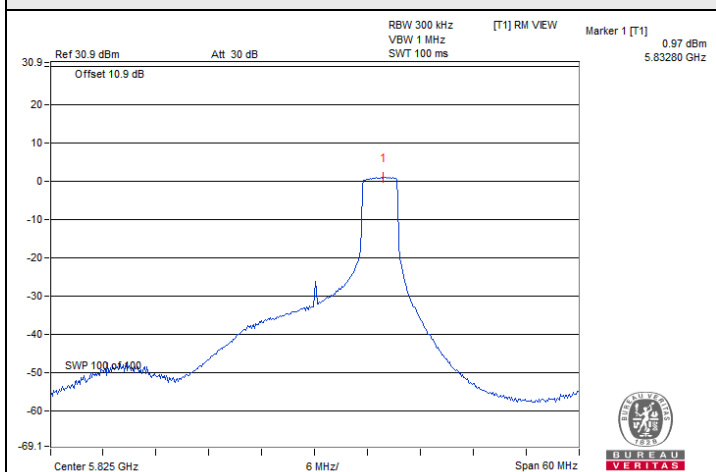


802.11a / Chain 1 : CH 149

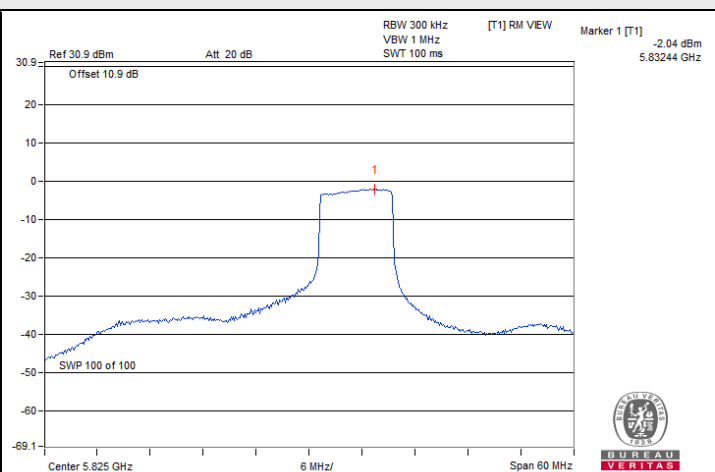


802.11ax (HE20) 26-tone RU / Chain 1 : CH 165

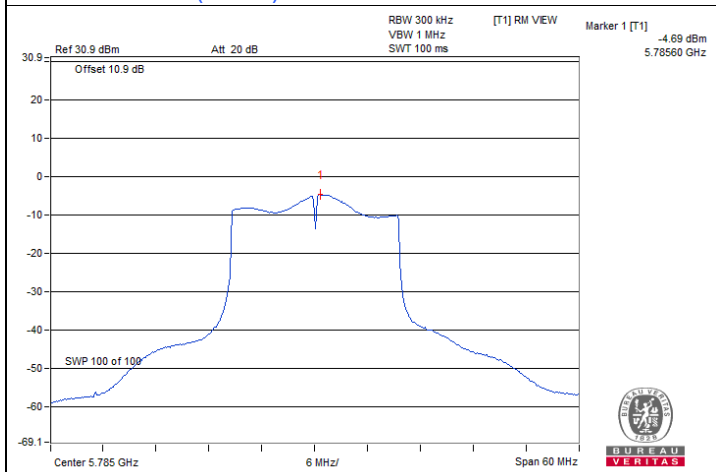
Spectrum Plot of Maximum Value



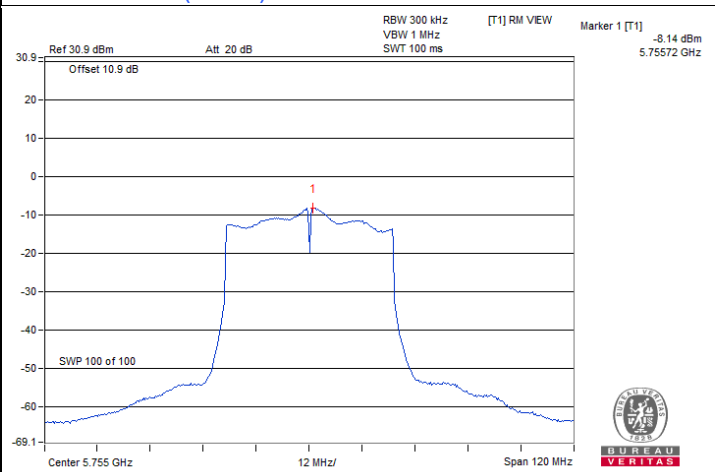
802.11ax (HE20) 52-tone RU / Chain 1 : CH 165



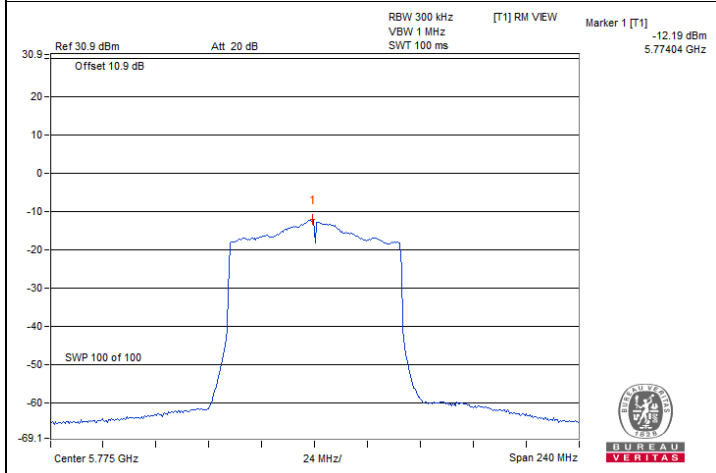
802.11ax (HE20) 106-tone RU / Chain 1 : CH 165



802.11ax (HE20) Full RU / Chain 0 : CH 157



802.11ax (HE40) Full RU / Chain 0 : CH 151



802.11ax (HE80) Full RU / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	3.86 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.58	2.50	0.5	Pass
149	5745	12.62	15.21	0.5	Pass
157	5785	15.82	15.15	0.5	Pass
165	5825	15.14	15.21	0.5	Pass

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.25	3.43	0.5	Pass
149	5745	17.41	15.62	0.5	Pass
157	5785	16.65	16.33	0.5	Pass
165	5825	16.07	16.42	0.5	Pass

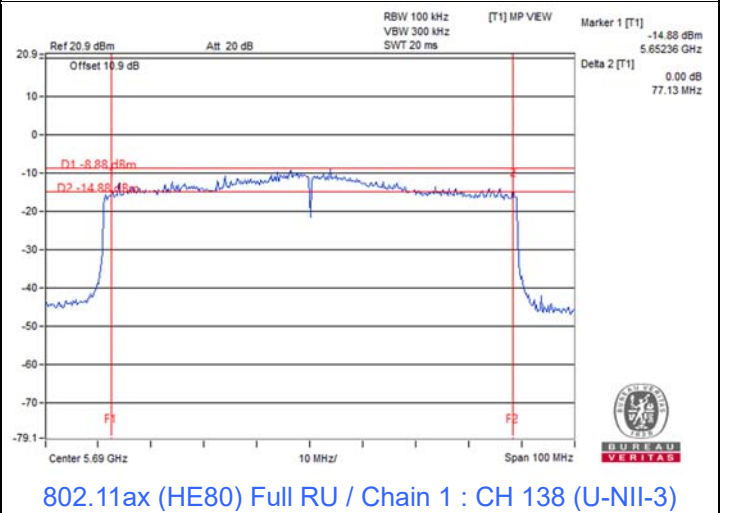
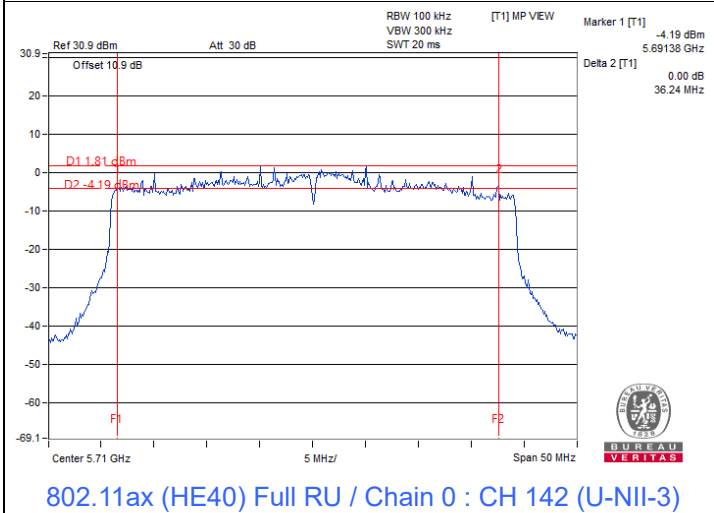
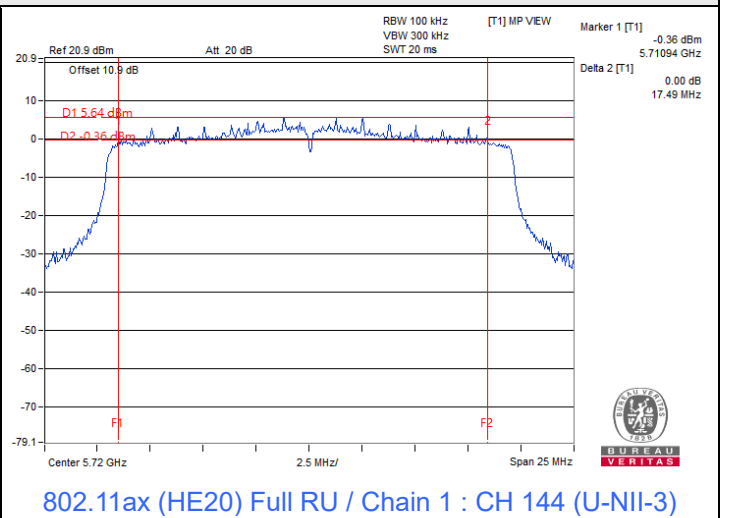
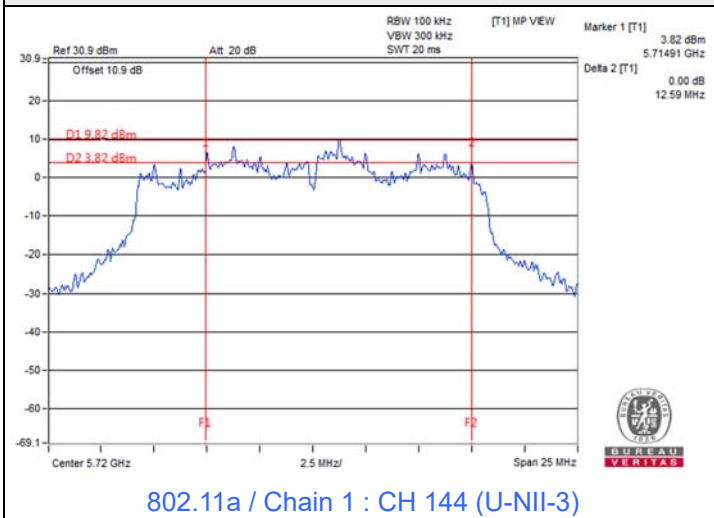
802.11ax (HE40) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.62	2.66	0.5	Pass
151	5755	34.93	35.29	0.5	Pass
159	5795	36.37	35.56	0.5	Pass

802.11ax (HE80) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.88	1.49	0.5	Pass
155	5775	63.89	62.94	0.5	Pass

Spectrum Plot of Minimum Value



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

7.5 Occupied Bandwidth

Input Power:	3.86 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.32	16.92
40	5200	16.32	19.44
48	5240	16.32	17.40
52	5260	16.32	16.32
60	5300	16.44	16.20
64	5320	16.44	16.20
100	5500	16.44	15.96
116	5580	16.44	16.08
140	5700	16.44	16.20
144 (U-NII-2C)	5720	13.28	13.28
144 (U-NII-3)	5720	3.16	2.92
149	5745	16.20	16.44
157	5785	16.32	16.44
165	5825	16.32	16.44

802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.72
40	5200	18.84	18.84
48	5240	18.72	18.72
52	5260	18.96	18.84
60	5300	18.72	18.84
64	5320	18.60	18.72
100	5500	18.84	19.08
116	5580	18.96	18.96
140	5700	18.60	18.60
144 (U-NII-2C)	5720	15.56	15.32
144 (U-NII-3)	5720	3.40	3.40
149	5745	19.02	21.60
157	5785	19.20	18.72
165	5825	18.96	18.84

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.48	18.36
40	5200	18.48	18.48
48	5240	18.48	18.48
52	5260	18.36	18.36
60	5300	18.48	18.48
64	5320	18.48	18.48
100	5500	19.08	18.96
116	5580	18.72	18.96
140	5700	18.48	18.48
144 (U-NII-2C)	5720	14.96	15.08
144 (U-NII-3)	5720	3.40	3.52
149	5745	18.96	18.96
157	5785	18.84	18.96
165	5825	18.72	18.84

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	19.44	18.84
40	5200	18.60	18.96
48	5240	18.60	18.36
52	5260	18.48	18.84
60	5300	18.60	19.08
64	5320	19.08	18.96
100	5500	18.96	19.20
116	5580	18.72	19.68
140	5700	20.64	18.60
144 (U-NII-2C)	5720	14.96	15.08
144 (U-NII-3)	5720	3.76	3.64
149	5745	19.44	23.40
157	5785	18.72	23.88
165	5825	18.96	19.56

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.96
40	5200	18.84	18.96
48	5240	18.84	18.96
52	5260	18.96	18.84
60	5300	18.96	18.96
64	5320	18.96	18.96
100	5500	18.96	18.84
116	5580	18.96	18.96
140	5700	18.96	18.96
144 (U-NII-2C)	5720	14.48	14.48
144 (U-NII-3)	5720	4.48	4.48
149	5745	18.96	18.96
157	5785	18.96	18.96
165	5825	18.84	18.96

802.11ax (HE40) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.68	37.92
54	5270	37.92	37.68
62	5310	37.92	37.68
102	5510	37.92	37.68
110	5550	37.92	37.68
134	5670	37.92	37.68
142 (U-NII-2C)	5710	34.20	33.96
142 (U-NII-3)	5710	3.96	3.72
151	5755	37.92	37.68
159	5795	37.92	37.68



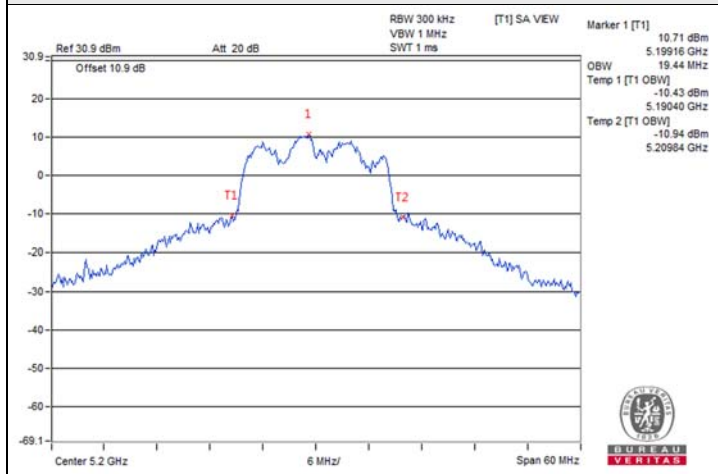
802.11ax (HE80) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.80	76.32
58	5290	76.80	76.80
106	5530	77.28	77.28
122	5610	76.80	77.28
138 (U-NII-2C)	5690	73.88	73.88
138 (U-NII-3)	5690	2.92	2.92
155	5775	76.80	76.80

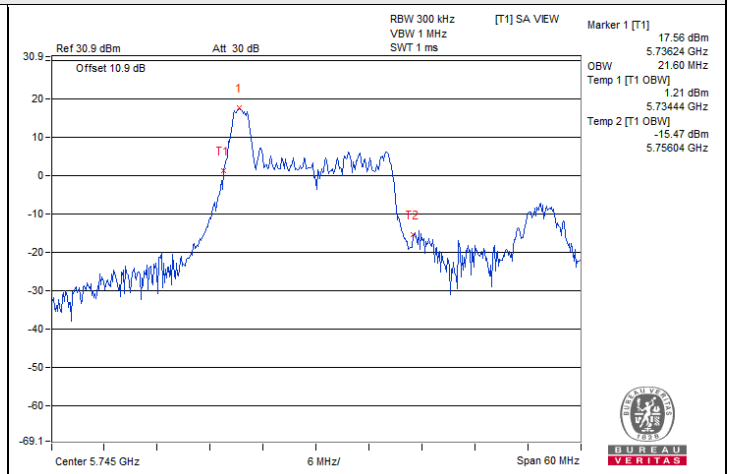
802.11ax (HE160) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	78.72
50 (U-NII-2A)	5250	77.76	77.76
114	5570	155.52	156.48

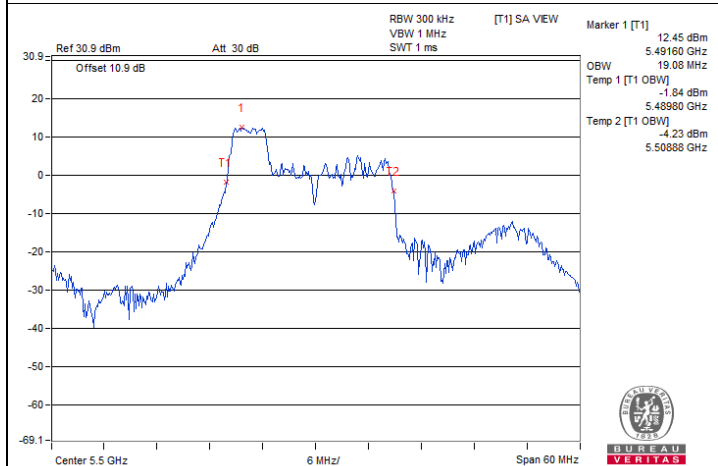
Spectrum Plot of Maximum Value



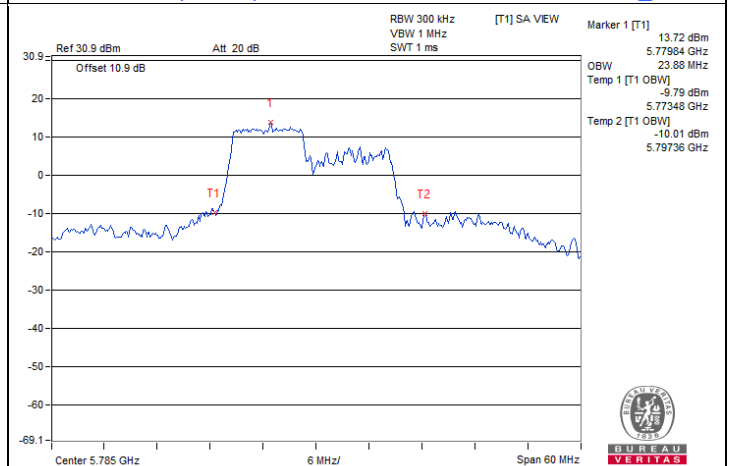
802.11a / Chain 1 : CH 40



802.11ax (HE20) 26-tone RU / Chain 1 : CH 149@0



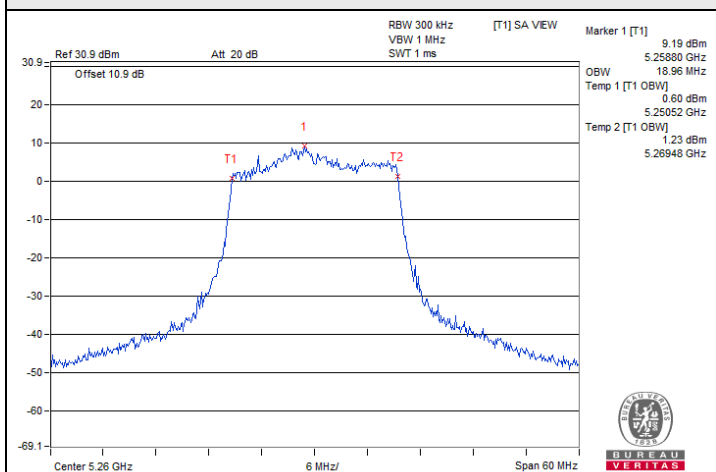
802.11ax (HE20) 52-tone RU / Chain 0 : CH 100@37



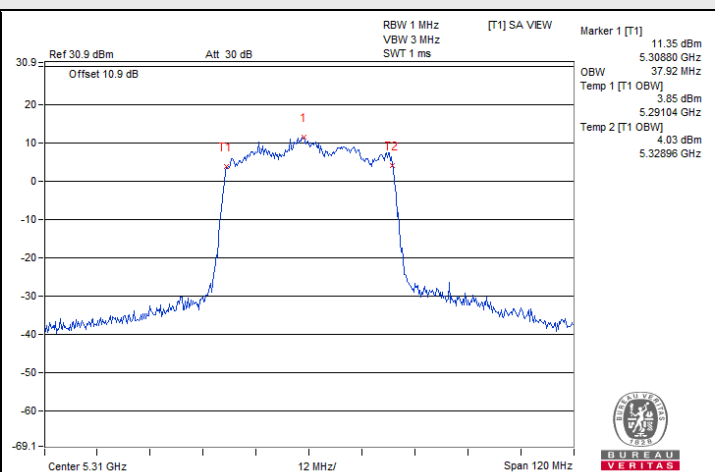
802.11ax (HE20) 106-tone RU / Chain 1 : CH 157@53



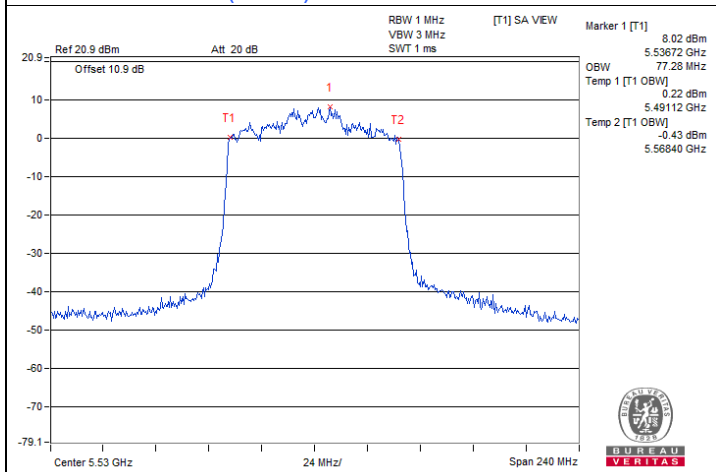
Spectrum Plot of Maximum Value



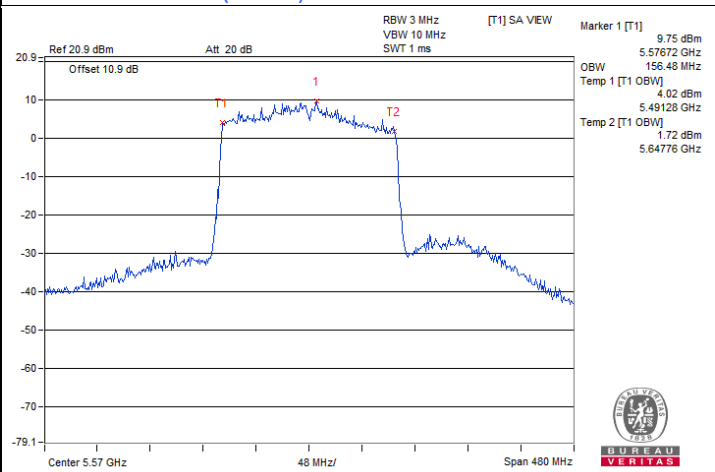
802.11ax (HE20) Full RU / Chain 0 : CH 52



802.11ax (HE40) Full RU / Chain 0 : CH 62

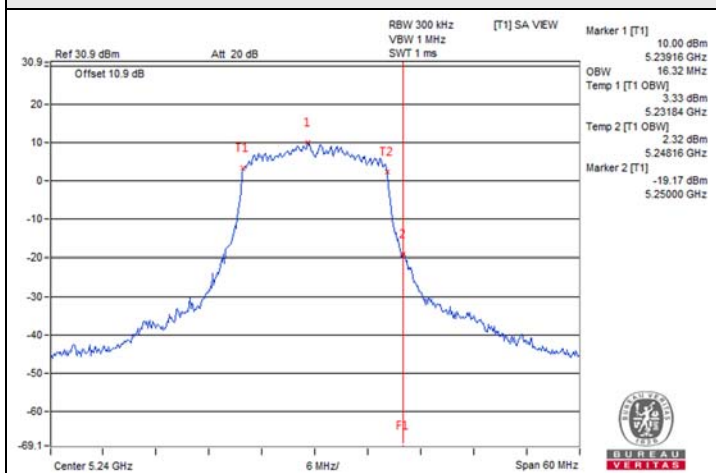


802.11ax (HE80) Full RU / Chain 0 : CH 106

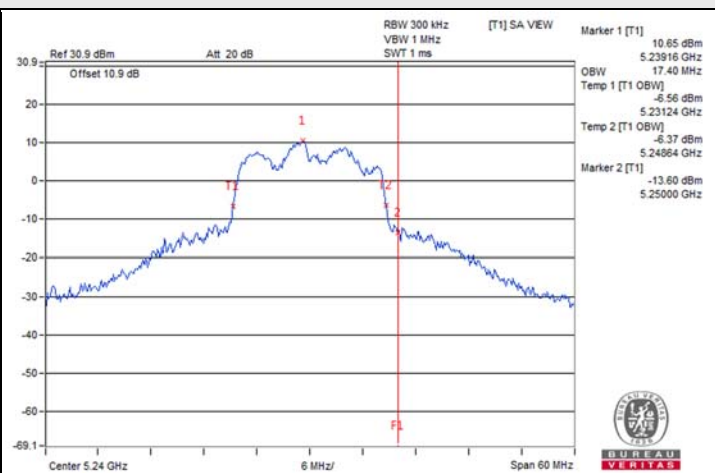


802.11ax (HE160) Full RU / Chain 1 : CH 114

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



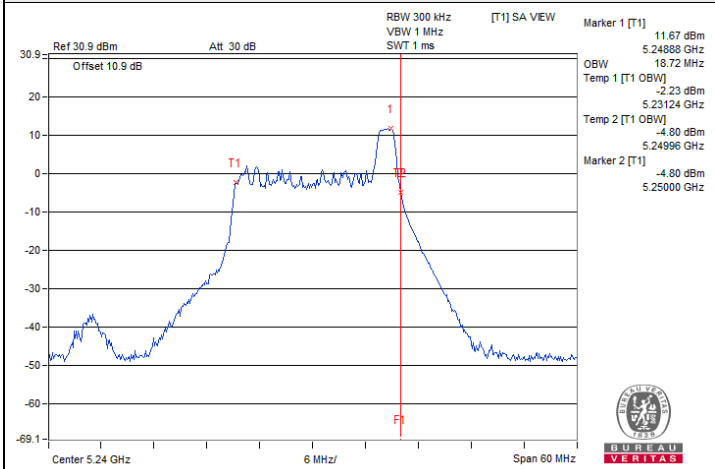
802.11a / Chain 0 : CH 48



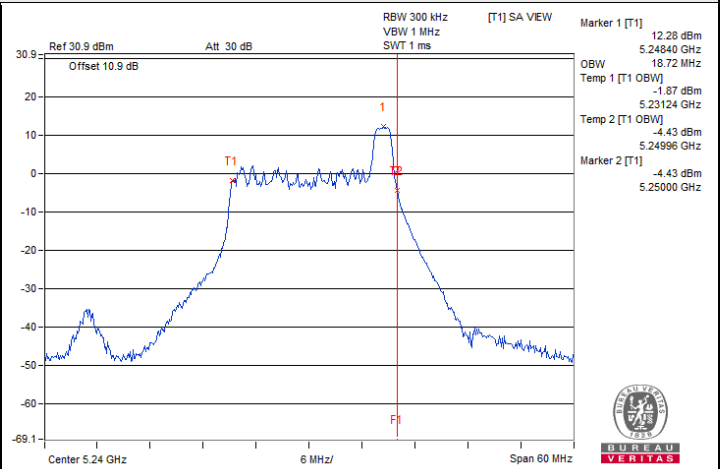
802.11a / Chain 1 : CH 48



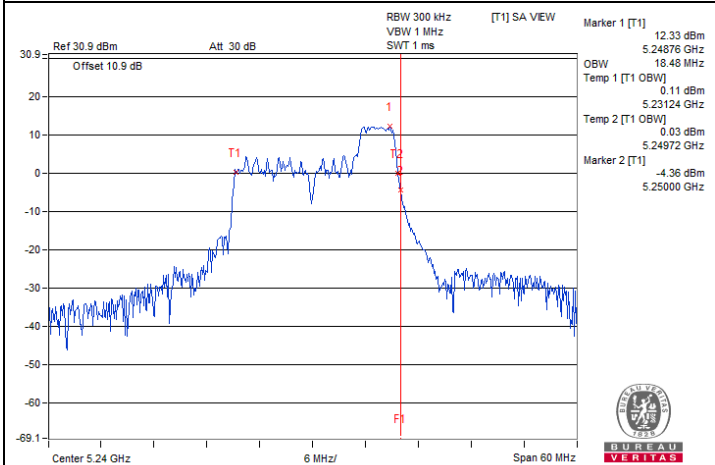
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



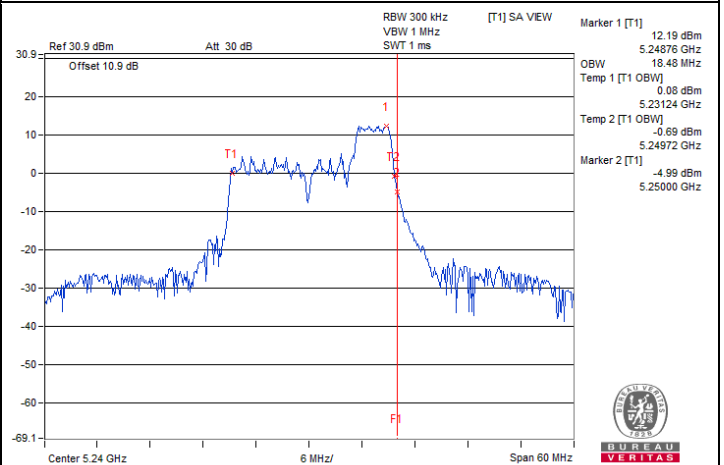
802.11ax (HE20) 26-tone RU / Chain 0 : CH 48@8



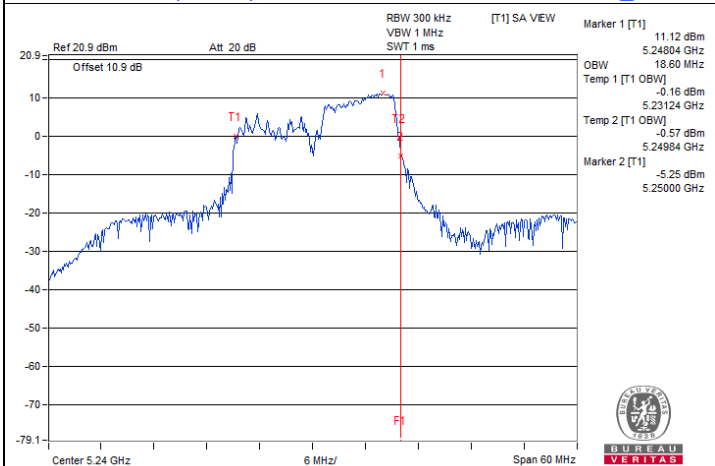
802.11ax (HE20) 26-tone RU / Chain 1 : CH 48@8



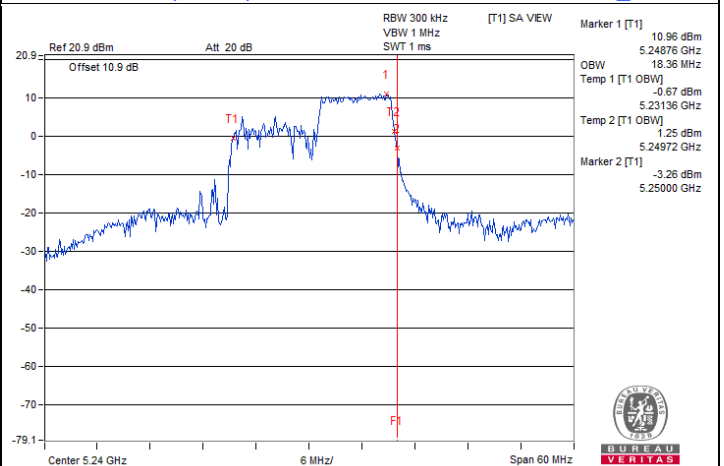
802.11ax (HE20) 52-tone RU / Chain 0 : CH 48@40



802.11ax (HE20) 52-tone RU / Chain 1 : CH 48@40



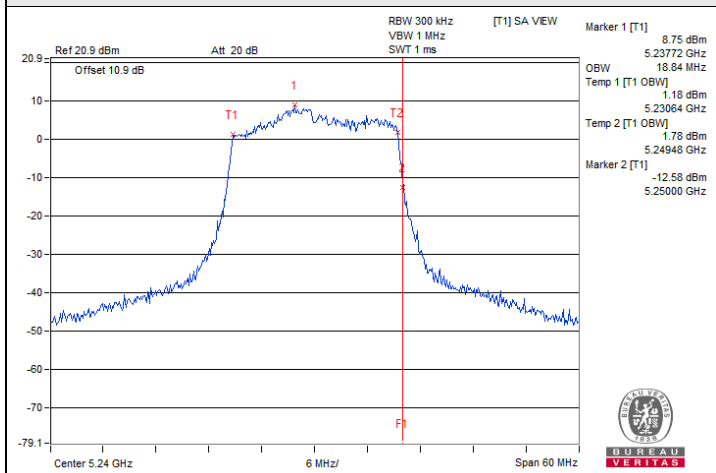
802.11ax (HE20) 106-tone RU / Chain 0 : CH 48@54



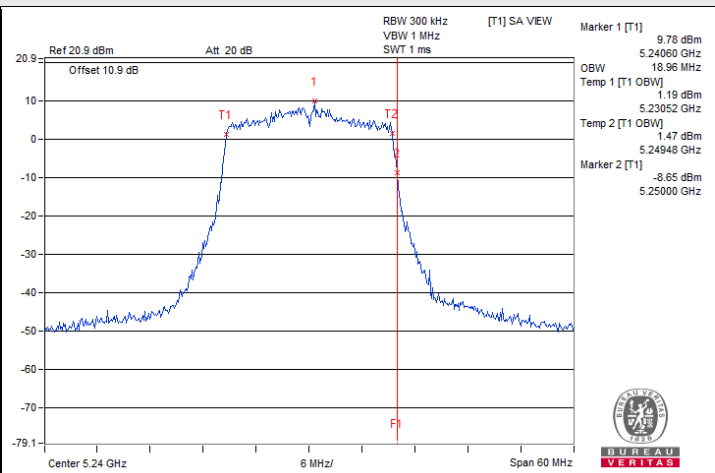
802.11ax (HE20) 106-tone RU / Chain 1 : CH 48@54



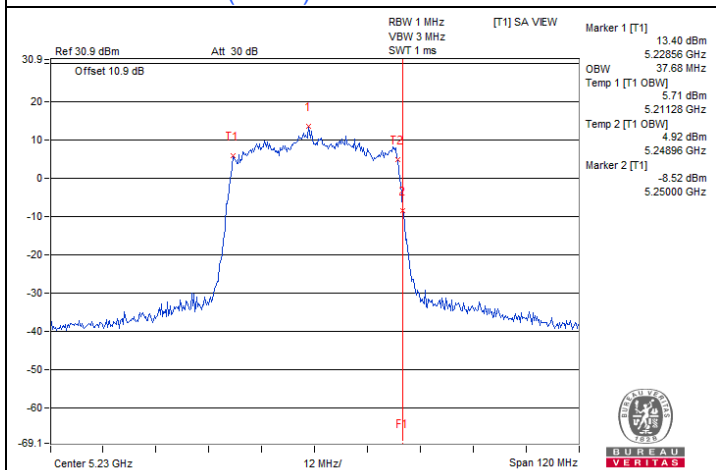
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



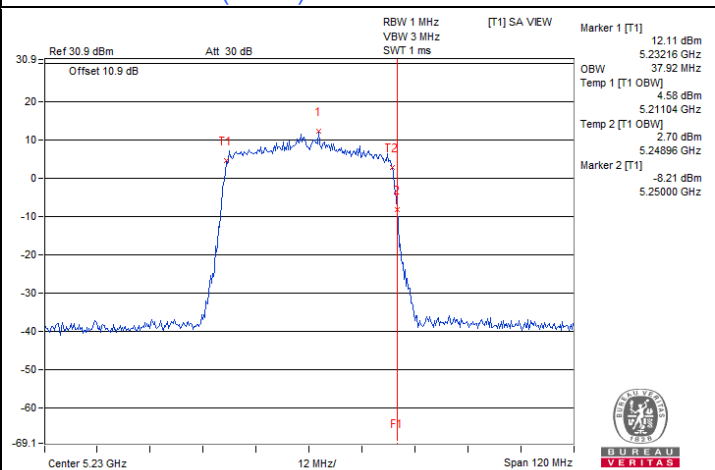
802.11ax (HE20) Full RU / Chain 0 : CH 48



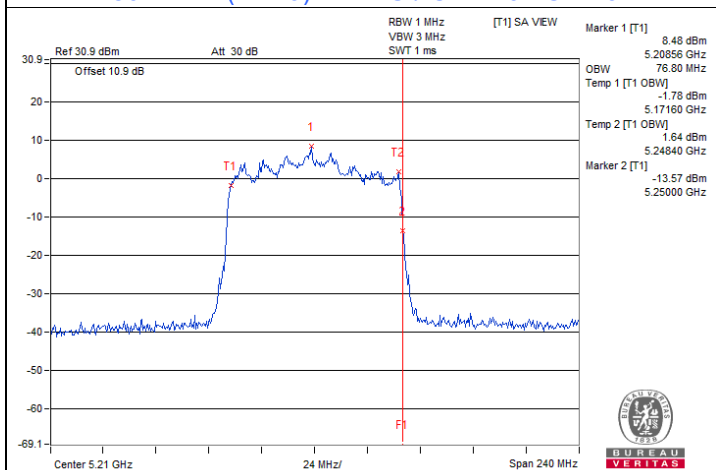
802.11ax (HE20) Full RU / Chain 1 : CH 48



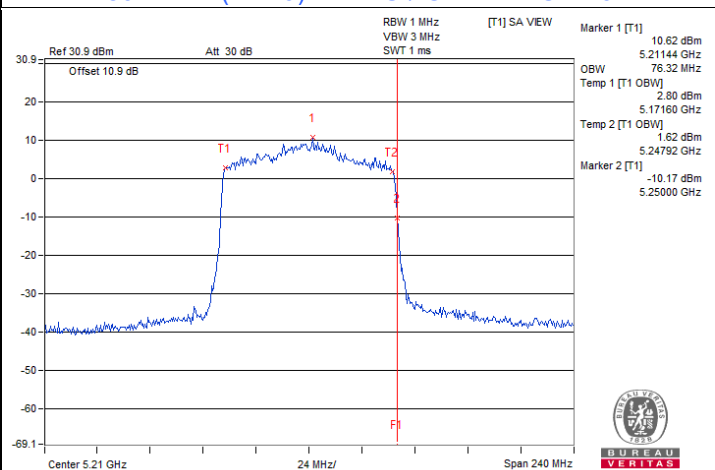
802.11ax (HE40) Full RU / Chain 0 : CH 46



802.11ax (HE40) Full RU / Chain 1 : CH 46

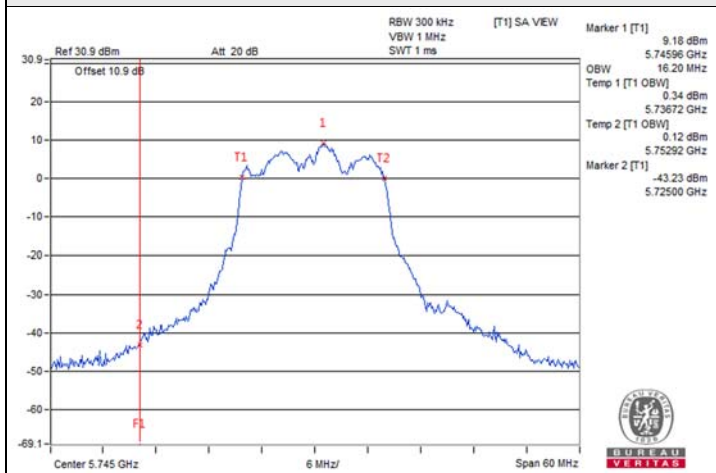


802.11ax (HE80) Full RU / Chain 0 : CH 42

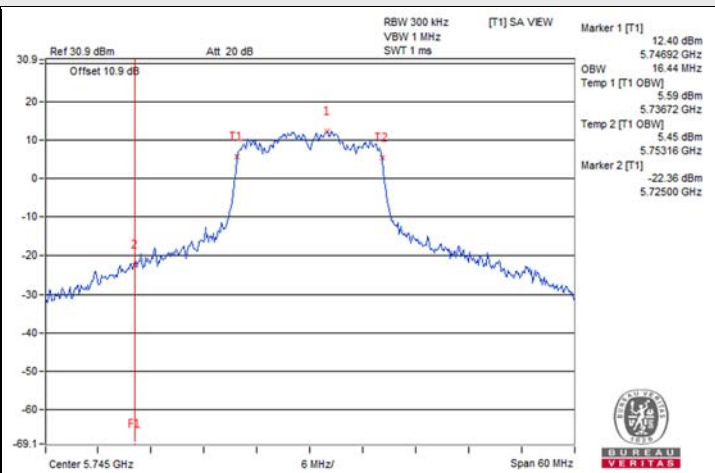


802.11ax (HE80) Full RU / Chain 1 : CH 42

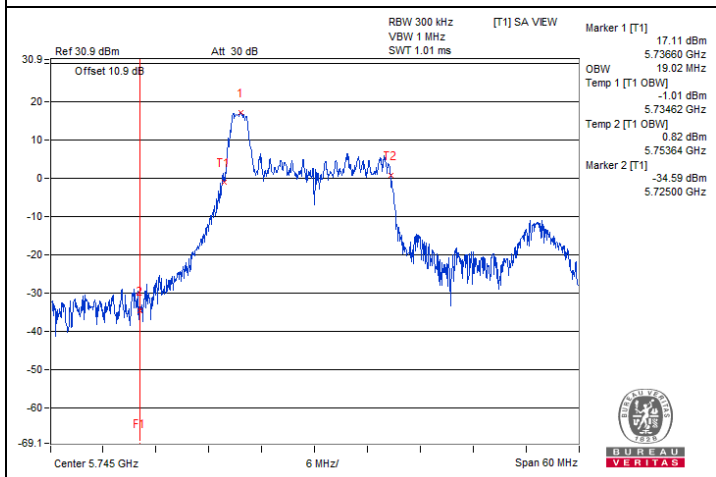
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



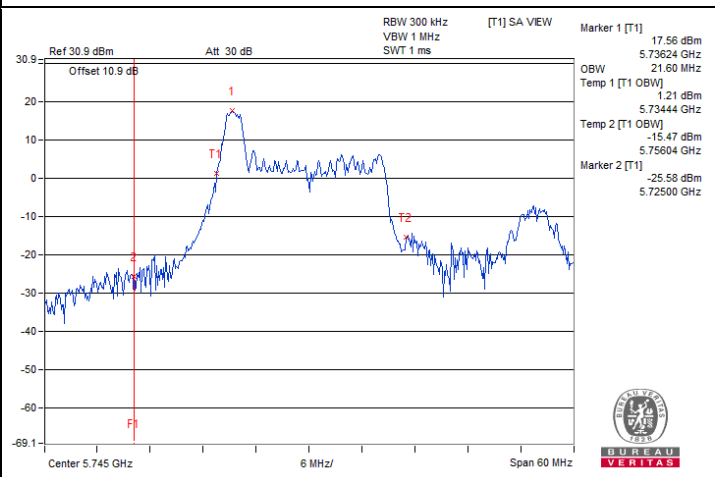
802.11a / Chain 0 : CH 149



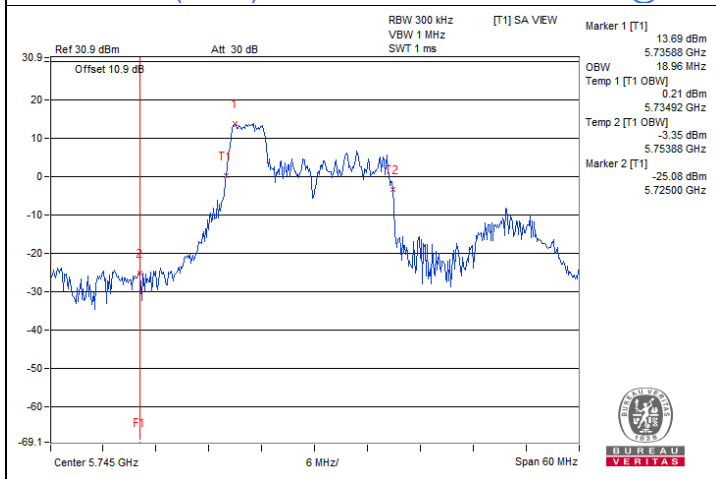
802.11a / Chain 1 : CH 149



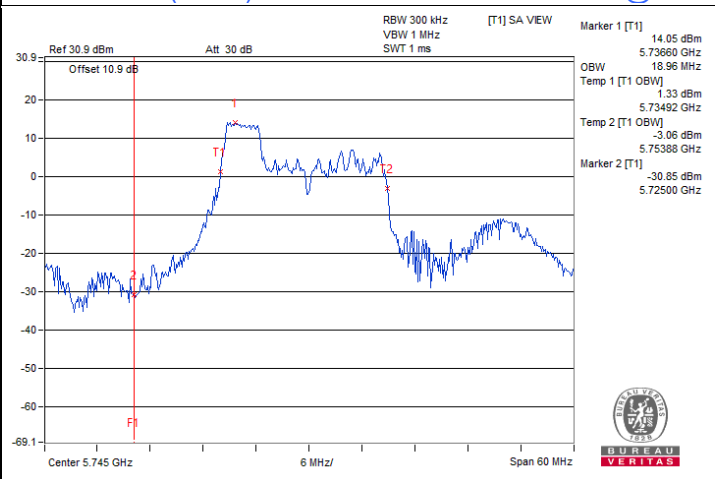
802.11ax (HE20) 26-tone RU / Chain 0 : CH 149@0



802.11ax (HE20) 26-tone RU / Chain 1 : CH 149@0



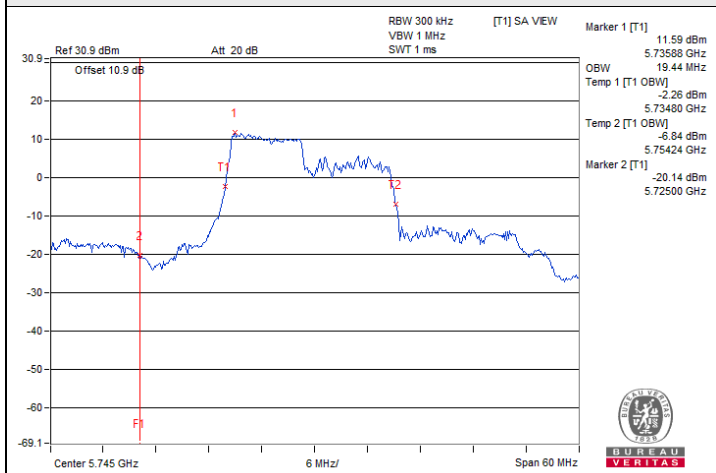
802.11ax (HE20) 52-tone RU / Chain 0 : CH 149@37



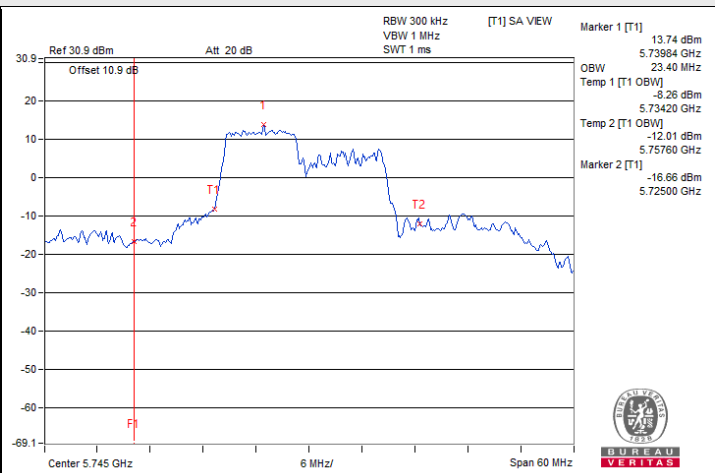
802.11ax (HE20) 52-tone RU / Chain 1 : CH 149@37



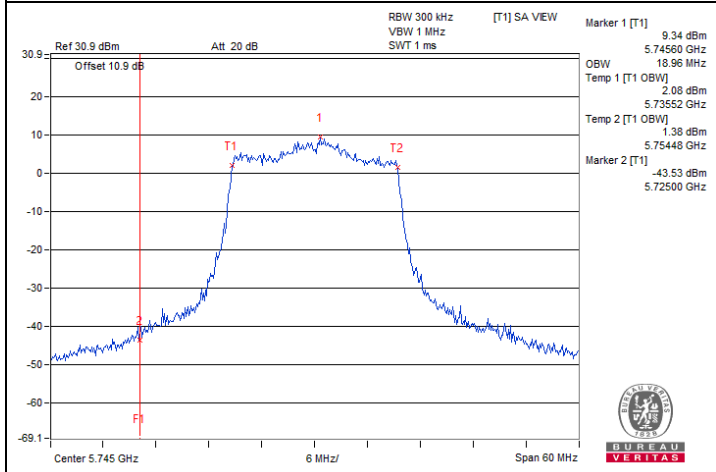
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



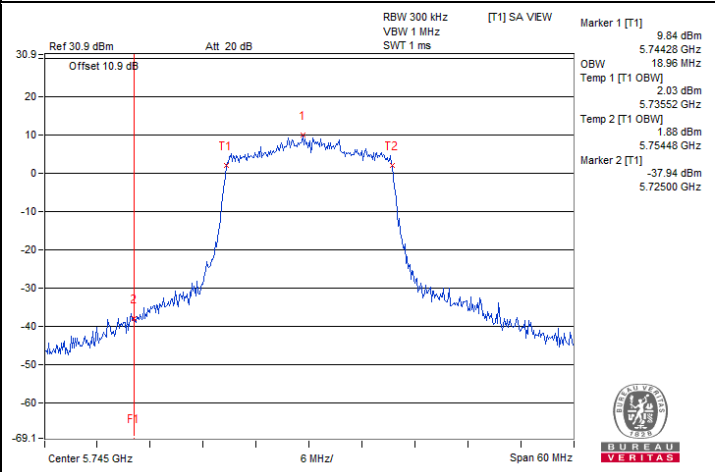
802.11ax (HE20) 106-tone RU / Chain 0 : CH 149@53



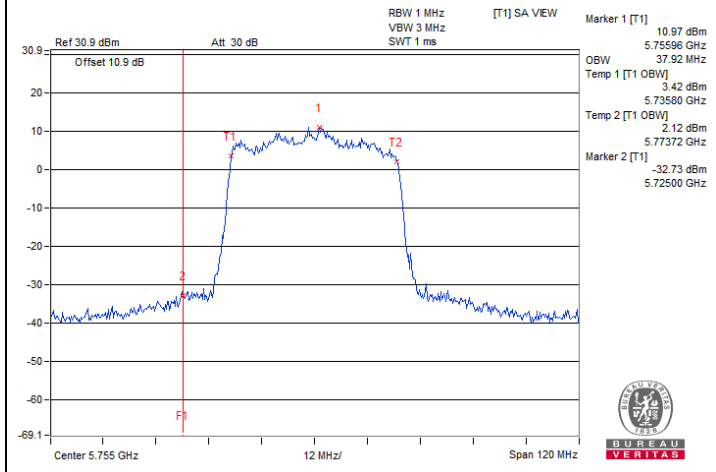
802.11ax (HE20) 106-tone RU / Chain 1 : CH 149@53



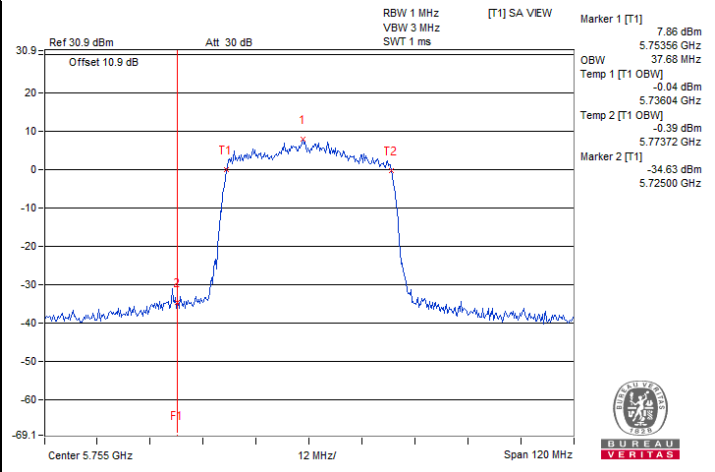
802.11ax (HE20) Full RU / Chain 0 : CH 149



802.11ax (HE20) Full RU / Chain 1 : CH 149



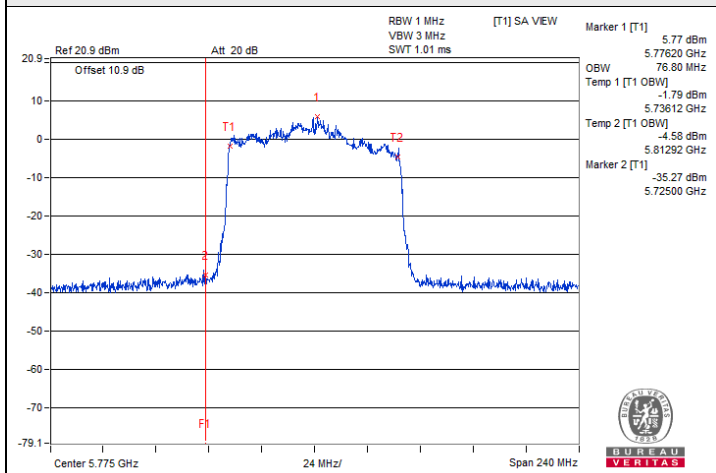
802.11ax (HE40) Full RU / Chain 0 : CH 151



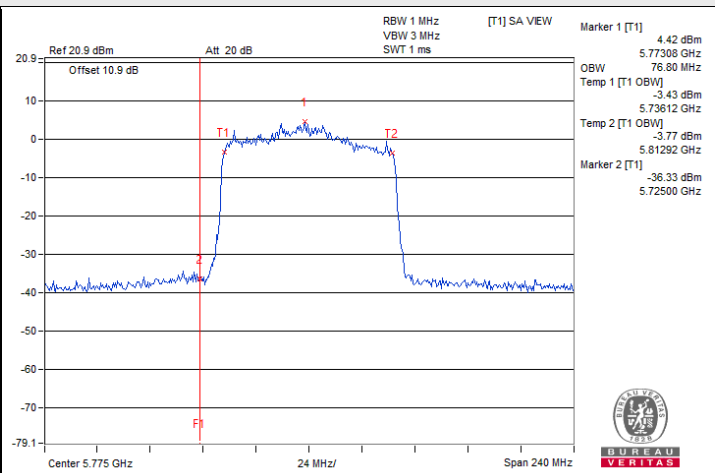
802.11ax (HE40) Full RU / Chain 1 : CH 151



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



802.11ax (HE80) Full RU / Chain 0 : CH 155



802.11ax (HE80) Full RU / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	3.86 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu
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Frequency Stability Versus Temperature

Operating Frequency: 5180 MHz

Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
50	3.86	5179.9904	Pass	5179.9893	Pass	5179.9913	Pass	5179.9904	Pass
40	3.86	5179.9767	Pass	5179.9778	Pass	5179.9761	Pass	5179.976	Pass
30	3.86	5180.0243	Pass	5180.0218	Pass	5180.024	Pass	5180.0253	Pass
20	3.86	5179.9839	Pass	5179.9804	Pass	5179.9814	Pass	5179.9818	Pass
10	3.86	5180.0222	Pass	5180.0196	Pass	5180.0235	Pass	5180.0201	Pass
0	3.86	5179.9858	Pass	5179.9828	Pass	5179.9852	Pass	5179.9858	Pass
-10	3.86	5180.0058	Pass	5180.0061	Pass	5180.0024	Pass	5180.0045	Pass
-20	3.86	5180.0061	Pass	5180.0071	Pass	5180.0066	Pass	5180.0043	Pass

Frequency Stability Versus Voltage

Operating Frequency: 5180 MHz

Temp. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	4.439	5179.9866	Pass	5179.9886	Pass	5179.9905	Pass	5179.9899	Pass
	3.86	5179.9839	Pass	5179.9804	Pass	5179.9814	Pass	5179.9818	Pass
	3.281	5179.9828	Pass	5179.9837	Pass	5179.9837	Pass	5179.986	Pass

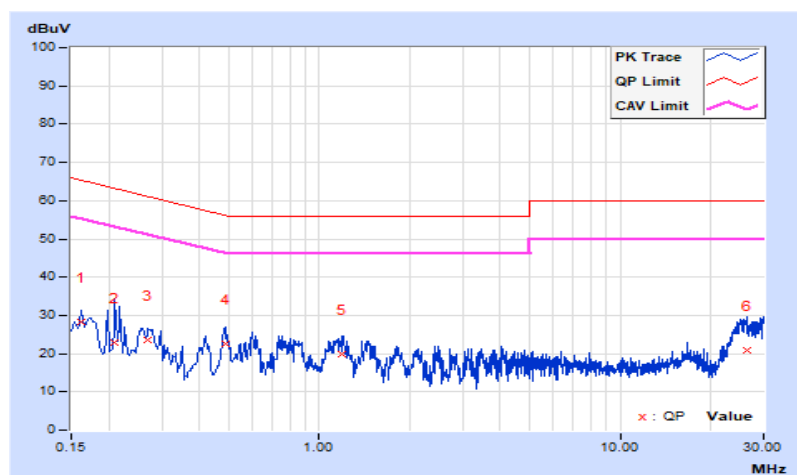
7.7 AC Power Conducted Emissions

RF Mode	802.11a	Channel	CH 165 : 5825 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	0.16200	10.38	17.89	9.37	28.27	19.75	65.36	55.36	-37.09	-35.61
2	0.21000	10.40	12.59	1.33	22.99	11.73	63.21	53.21	-40.22	-41.48
3	0.27000	10.43	13.14	2.11	23.57	12.54	61.12	51.12	-37.55	-38.58
4	0.48600	10.50	12.18	1.06	22.68	11.56	56.24	46.24	-33.56	-34.68
5	1.19400	10.54	9.42	2.22	19.96	12.76	56.00	46.00	-36.04	-33.24
6	26.25800	10.77	10.24	1.03	21.01	11.80	60.00	50.00	-38.99	-38.20

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

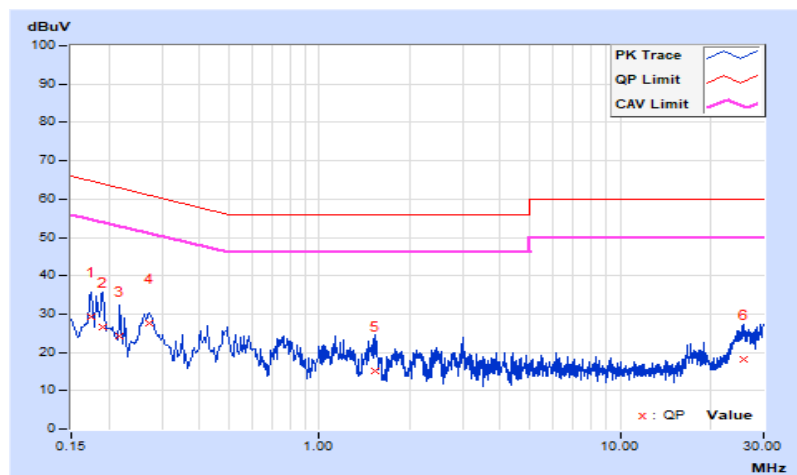


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	0.17400	10.42	18.73	11.01	29.15	21.43	64.77	54.77	-35.62	-33.34
2	0.19000	10.43	16.33	1.62	26.76	12.05	64.04	54.04	-37.28	-41.99
3	0.21800	10.45	13.64	1.78	24.09	12.23	62.89	52.89	-38.80	-40.66
4	0.27206	10.47	17.05	2.08	27.52	12.55	61.05	51.05	-33.53	-38.50
5	1.53800	10.57	4.53	1.07	15.10	11.64	56.00	46.00	-40.90	-34.36
6	25.83000	10.96	7.17	2.33	18.13	13.29	60.00	50.00	-41.87	-36.71

Remarks:

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



7.8 Unwanted Emissions below 1 GHz

Mode A

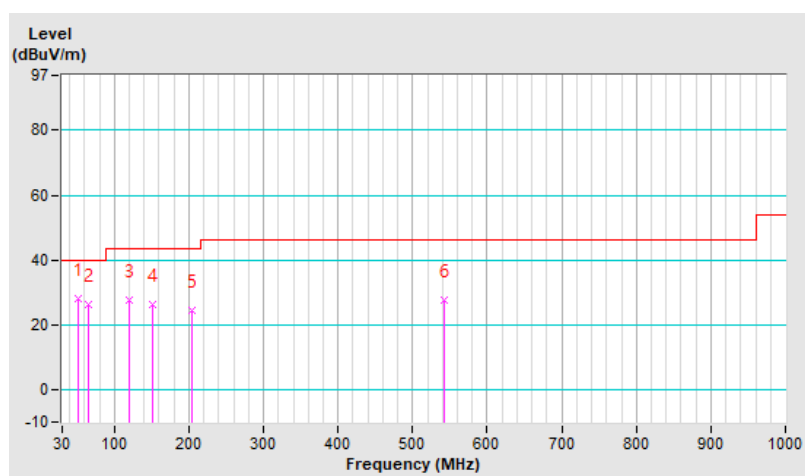
RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	52.31	28.1 QP	40.0	-11.9	1.00 H	32	37.5	-9.4
2	64.92	26.2 QP	40.0	-13.8	2.00 H	69	36.9	-10.7
3	119.24	27.6 QP	43.5	-15.9	1.00 H	72	39.2	-11.6
4	151.25	26.4 QP	43.5	-17.1	1.50 H	67	35.4	-9.0
5	203.63	24.3 QP	43.5	-19.2	1.50 H	136	36.2	-11.9
6	543.13	27.5 QP	46.0	-18.5	1.00 H	230	30.8	-3.3

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.

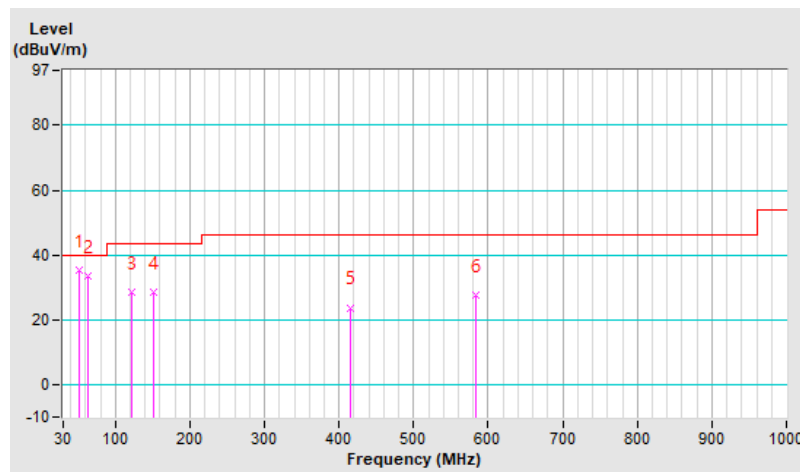


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	51.34	35.3 QP	40.0	-4.7	1.50 V	286	44.7	-9.4
2	63.95	33.4 QP	40.0	-6.6	1.00 V	193	44.0	-10.6
3	122.15	28.5 QP	43.5	-15.0	1.00 V	305	39.8	-11.3
4	151.25	28.5 QP	43.5	-15.0	2.00 V	346	37.5	-9.0
5	416.06	23.8 QP	46.0	-22.2	1.00 V	271	29.5	-5.7
6	583.87	27.7 QP	46.0	-18.3	1.00 V	268	29.9	-2.2

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.



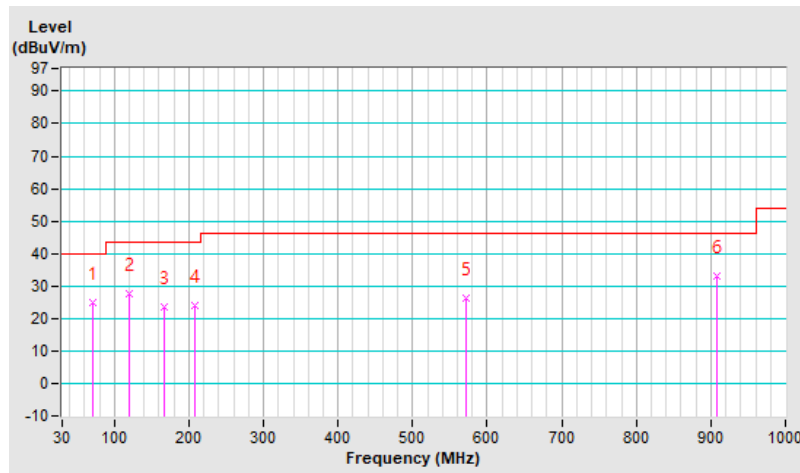
Mode B

RF Mode	802.11ax (HE160) Full RU	Channel	CH 50 : 5250 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	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	70.74	24.9 QP	40.0	-15.1	1.00 H	56	36.3	-11.4
2	119.24	27.6 QP	43.5	-15.9	1.00 H	72	39.2	-11.6
3	167.74	23.5 QP	43.5	-20.0	1.50 H	262	32.7	-9.2
4	207.51	24.0 QP	43.5	-19.5	1.50 H	278	35.9	-11.9
5	571.26	26.2 QP	46.0	-19.8	1.00 H	334	28.9	-2.7
6	908.82	33.0 QP	46.0	-13.0	1.00 H	1	28.5	4.5

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.

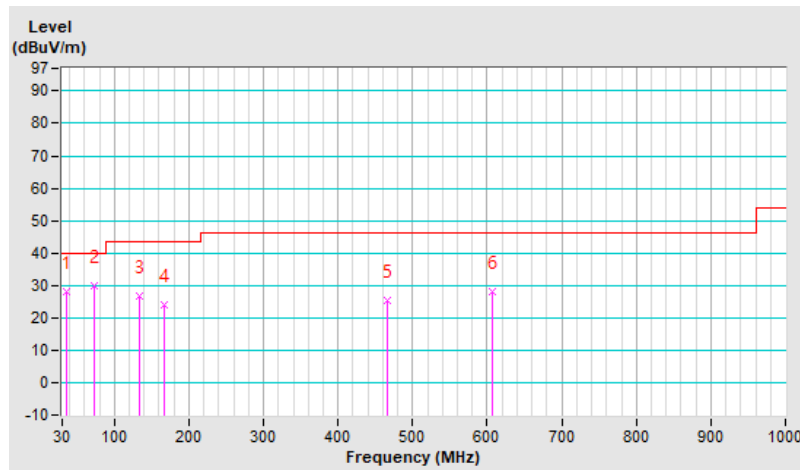


RF Mode	802.11ax (HE160) Full RU	Channel	CH 50 : 5250 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.79	28.1 QP	40.0	-11.9	1.00 V	103	38.5	-10.4
2	72.68	30.0 QP	40.0	-10.0	1.00 V	174	42.0	-12.0
3	132.82	26.8 QP	43.5	-16.7	1.50 V	87	37.0	-10.2
4	167.74	23.9 QP	43.5	-19.6	2.00 V	300	33.1	-9.2
5	465.53	25.3 QP	46.0	-20.7	1.50 V	33	29.8	-4.5
6	606.18	28.3 QP	46.0	-17.7	1.00 V	228	29.9	-1.6

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.



7.9 Unwanted Emissions above 1 GHz

Mode A

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	1.60 H	116	57.4	5.2
2	5150.00	50.1 AV	54.0	-3.9	1.60 H	116	44.9	5.2
3	*5180.00	113.8 PK			1.55 H	122	74.4	39.4
4	*5180.00	104.4 AV			1.55 H	122	65.0	39.4
5	#10360.00	50.4 PK	68.2	-17.8	1.71 H	222	33.8	16.6
6	15540.00	55.6 PK	74.0	-18.4	1.91 H	245	38.7	16.9
7	15540.00	43.3 AV	54.0	-10.7	1.91 H	245	26.4	16.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.5 PK	74.0	-10.5	1.76 V	119	58.3	5.2
2	5150.00	51.8 AV	54.0	-2.2	1.76 V	119	46.6	5.2
3	*5180.00	116.8 PK			1.93 V	120	77.4	39.4
4	*5180.00	107.5 AV			1.93 V	120	68.1	39.4
5	#10360.00	51.8 PK	68.2	-16.4	1.30 V	220	35.2	16.6
6	15540.00	56.7 PK	74.0	-17.3	1.54 V	83	39.8	16.9
7	15540.00	44.3 AV	54.0	-9.7	1.54 V	83	27.4	16.9

Remarks:

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



RF Mode	802.11a	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	116.3 PK			1.50 H	126	77.0	39.3
2	*5200.00	106.9 AV			1.50 H	126	67.6	39.3
3	#10400.00	48.8 PK	68.2	-19.4	1.58 H	221	32.2	16.6
4	15600.00	61.5 PK	74.0	-12.5	1.84 H	233	44.9	16.6
5	15600.00	47.9 AV	54.0	-6.1	1.84 H	233	31.3	16.6

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	*5200.00	118.9 PK			2.42 V	105	79.6	39.3
2	*5200.00	109.6 AV			2.42 V	105	70.3	39.3
3	#10400.00	50.5 PK	68.2	-17.7	1.98 V	129	33.9	16.6
4	15600.00	65.8 PK	74.0	-8.2	1.57 V	191	49.2	16.6
5	15600.00	49.0 AV	54.0	-5.0	1.57 V	191	32.4	16.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency, the limit was restricted at the RF Output Power.
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	116.0 PK			1.51 H	126	76.9	39.1
2	*5240.00	106.6 AV			1.51 H	126	67.5	39.1
3	5350.00	51.1 PK	74.0	-22.9	1.54 H	128	46.3	4.8
4	5350.00	38.3 AV	54.0	-15.7	1.54 H	128	33.5	4.8
5	#10480.00	49.0 PK	68.2	-19.2	1.59 H	210	32.3	16.7
6	15720.00	62.3 PK	74.0	-11.7	1.83 H	234	46.6	15.7
7	15720.00	48.0 AV	54.0	-6.0	1.83 H	234	32.3	15.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.1 PK			2.39 V	106	80.0	39.1
2	*5240.00	110.0 AV			2.39 V	106	70.9	39.1
3	5350.00	51.8 PK	74.0	-22.2	2.49 V	100	47.0	4.8
4	5350.00	38.8 AV	54.0	-15.2	2.49 V	100	34.0	4.8
5	#10480.00	51.3 PK	68.2	-16.9	2.11 V	122	34.6	16.7
6	15720.00	66.2 PK	74.0	-7.8	1.57 V	193	50.5	15.7
7	15720.00	49.7 AV	54.0	-4.3	1.57 V	193	34.0	15.7

Remarks:

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



RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 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	51.1 PK	74.0	-22.9	1.59 H	134	45.9	5.2
2	5150.00	39.1 AV	54.0	-14.9	1.59 H	134	33.9	5.2
3	*5260.00	115.3 PK			1.46 H	127	76.3	39.0
4	*5260.00	105.8 AV			1.46 H	127	66.8	39.0
5	#10520.00	49.4 PK	68.2	-18.8	1.59 H	224	32.7	16.7
6	15780.00	57.1 PK	74.0	-16.9	1.77 H	233	41.3	15.8
7	15780.00	42.7 AV	54.0	-11.3	1.77 H	233	26.9	15.8

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	52.2 PK	74.0	-21.8	2.01 V	111	47.0	5.2
2	5150.00	39.6 AV	54.0	-14.4	2.01 V	111	34.4	5.2
3	*5260.00	118.8 PK			2.42 V	108	79.8	39.0
4	*5260.00	109.4 AV			2.42 V	108	70.4	39.0
5	#10520.00	51.1 PK	68.2	-17.1	1.99 V	130	34.4	16.7
6	15780.00	59.2 PK	74.0	-14.8	1.60 V	195	43.4	15.8
7	15780.00	44.4 AV	54.0	-9.6	1.60 V	195	28.6	15.8

Remarks:

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



RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 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	115.2 PK			1.50 H	126	76.2	39.0
2	*5300.00	105.6 AV			1.50 H	126	66.6	39.0
3	10600.00	50.1 PK	74.0	-23.9	1.58 H	221	33.0	17.1
4	10600.00	37.0 AV	54.0	-17.0	1.58 H	221	19.9	17.1
5	15900.00	55.9 PK	74.0	-18.1	1.82 H	234	39.7	16.2
6	15900.00	42.6 AV	54.0	-11.4	1.82 H	234	26.4	16.2

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	*5300.00	118.7 PK			2.42 V	107	79.7	39.0
2	*5300.00	109.1 AV			2.42 V	107	70.1	39.0
3	10600.00	51.1 PK	74.0	-22.9	2.07 V	122	34.0	17.1
4	10600.00	37.7 AV	54.0	-16.3	2.07 V	122	20.6	17.1
5	15900.00	57.5 PK	74.0	-16.5	1.46 V	200	41.3	16.2
6	15900.00	44.4 AV	54.0	-9.6	1.46 V	200	28.2	16.2

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% 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	113.6 PK			1.58 H	126	74.5	39.1
2	*5320.00	104.3 AV			1.58 H	126	65.2	39.1
3	5350.00	59.5 PK	74.0	-14.5	1.43 H	139	54.7	4.8
4	5350.00	46.4 AV	54.0	-7.6	1.43 H	139	41.6	4.8
5	10640.00	49.6 PK	74.0	-24.4	1.71 H	201	32.5	17.1
6	10640.00	37.4 AV	54.0	-16.6	1.71 H	201	20.3	17.1
7	15960.00	55.5 PK	74.0	-18.5	1.89 H	242	39.3	16.2
8	15960.00	42.5 AV	54.0	-11.5	1.89 H	242	26.3	16.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.5 PK			1.56 V	118	77.4	39.1
2	*5320.00	107.3 AV			1.56 V	118	68.2	39.1
3	5350.00	65.3 PK	74.0	-8.7	1.84 V	170	60.5	4.8
4	5350.00	51.4 AV	54.0	-2.6	1.84 V	170	46.6	4.8
5	10640.00	51.7 PK	74.0	-22.3	1.37 V	223	34.6	17.1
6	10640.00	38.3 AV	54.0	-15.7	1.37 V	223	21.2	17.1
7	15960.00	56.4 PK	74.0	-17.6	1.62 V	93	40.2	16.2
8	15960.00	43.9 AV	54.0	-10.1	1.62 V	93	27.7	16.2

Remarks:

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



RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% 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	56.8 PK	74.0	-17.2	1.43 H	130	51.6	5.2
2	5460.00	41.7 AV	54.0	-12.3	1.43 H	130	36.5	5.2
3	#5470.00	59.5 PK	68.2	-8.7	1.58 H	122	54.3	5.2
4	*5500.00	113.7 PK			1.51 H	139	74.0	39.7
5	*5500.00	104.0 AV			1.51 H	139	64.3	39.7
6	11000.00	50.1 PK	74.0	-23.9	1.58 H	207	32.4	17.7
7	11000.00	37.2 AV	54.0	-16.8	1.58 H	207	19.5	17.7
8	#16500.00	57.1 PK	68.2	-11.1	1.77 H	230	39.3	17.8

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	60.4 PK	74.0	-13.6	1.97 V	155	55.2	5.2
2	5460.00	45.2 AV	54.0	-8.8	1.97 V	155	40.0	5.2
3	#5470.00	65.4 PK	68.2	-2.8	2.26 V	169	60.2	5.2
4	*5500.00	116.7 PK			2.03 V	170	77.0	39.7
5	*5500.00	107.2 AV			2.03 V	170	67.5	39.7
6	11000.00	52.5 PK	74.0	-21.5	1.49 V	229	34.8	17.7
7	11000.00	38.2 AV	54.0	-15.8	1.49 V	229	20.5	17.7
8	#16500.00	58.3 PK	68.2	-9.9	1.37 V	97	40.5	17.8

Remarks:

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



RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.9 PK			1.46 H	126	74.2	39.7
2	*5580.00	104.3 AV			1.46 H	126	64.6	39.7
3	11160.00	48.7 PK	74.0	-25.3	1.59 H	225	31.7	17.0
4	11160.00	35.5 AV	54.0	-18.5	1.59 H	225	18.5	17.0
5	#16740.00	56.4 PK	68.2	-11.8	1.74 H	232	35.6	20.8

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	*5580.00	116.5 PK			1.77 V	158	76.8	39.7
2	*5580.00	107.2 AV			1.77 V	158	67.5	39.7
3	11160.00	49.5 PK	74.0	-24.5	2.04 V	155	32.5	17.0
4	11160.00	36.0 AV	54.0	-18.0	2.04 V	155	19.0	17.0
5	#16740.00	56.5 PK	68.2	-11.7	1.11 V	216	35.7	20.8

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% 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	115.2 PK			1.56 H	130	75.1	40.1
2	*5700.00	104.8 AV			1.56 H	130	64.7	40.1
3	#5725.00	61.6 PK	68.2	-6.6	1.51 H	115	56.0	5.6
4	11400.00	50.4 PK	74.0	-23.6	1.58 H	219	33.0	17.4
5	11400.00	36.9 AV	54.0	-17.1	1.58 H	219	19.5	17.4
6	#17100.00	57.8 PK	68.2	-10.4	1.75 H	240	36.3	21.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.2 PK			1.75 V	159	77.1	40.1
2	*5700.00	107.8 AV			1.75 V	159	67.7	40.1
3	#5725.00	65.8 PK	68.2	-2.4	1.82 V	165	60.2	5.6
4	11400.00	52.0 PK	74.0	-22.0	1.48 V	236	34.6	17.4
5	11400.00	38.0 AV	54.0	-16.0	1.48 V	236	20.6	17.4
6	#17100.00	59.0 PK	68.2	-9.2	1.29 V	103	37.5	21.5

Remarks:

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



RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	51.8 PK	68.2	-16.4	1.55 H	124	46.6	5.2
2	*5720.00	114.7 PK			1.48 H	127	74.7	40.0
3	*5720.00	105.1 AV			1.48 H	127	65.1	40.0
4	#5850.00	52.6 PK	68.2	-15.6	1.51 H	126	47.0	5.6
5	11440.00	49.4 PK	74.0	-24.6	1.55 H	223	32.1	17.3
6	11440.00	36.2 AV	54.0	-17.8	1.55 H	223	18.9	17.3
7	#17160.00	54.9 PK	68.2	-13.3	1.74 H	232	32.9	22.0

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	#5470.00	52.1 PK	68.2	-16.1	2.21 V	171	46.9	5.2
2	*5720.00	116.0 PK			1.88 V	170	76.0	40.0
3	*5720.00	106.6 AV			1.88 V	170	66.6	40.0
4	#5850.00	53.3 PK	68.2	-14.9	2.20 V	173	47.7	5.6
5	11440.00	49.4 PK	74.0	-24.6	2.03 V	158	32.1	17.3
6	11440.00	36.6 AV	54.0	-17.4	2.03 V	158	19.3	17.3
7	#17160.00	55.6 PK	68.2	-12.6	1.10 V	214	33.6	22.0

Remarks:

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



RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.80	54.3 PK	68.2	-13.9	1.53 H	125	48.6	5.7
2	*5745.00	113.4 PK			1.53 H	125	73.5	39.9
3	*5745.00	104.0 AV			1.53 H	125	64.1	39.9
4	#5928.80	54.3 PK	68.2	-13.9	1.53 H	125	48.1	6.2
5	11490.00	50.9 PK	74.0	-23.1	1.65 H	205	34.0	16.9
6	11490.00	36.5 AV	54.0	-17.5	1.65 H	205	19.6	16.9
7	#17235.00	57.0 PK	68.2	-11.2	1.81 H	229	34.8	22.2

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	#5649.20	54.3 PK	68.2	-13.9	1.81 V	161	48.6	5.7
2	*5745.00	115.7 PK			1.81 V	161	75.8	39.9
3	*5745.00	106.5 AV			1.81 V	161	66.6	39.9
4	#5955.20	54.2 PK	68.2	-14.0	1.81 V	161	47.8	6.4
5	11490.00	51.0 PK	74.0	-23.0	2.52 V	197	34.1	16.9
6	11490.00	36.9 AV	54.0	-17.1	2.52 V	197	20.0	16.9
7	#17235.00	57.2 PK	68.2	-11.0	1.32 V	214	35.0	22.2

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.60	53.4 PK	68.2	-14.8	1.48 H	127	47.8	5.6
2	*5785.00	113.8 PK			1.48 H	127	73.9	39.9
3	*5785.00	104.5 AV			1.48 H	127	64.6	39.9
4	#5964.80	53.6 PK	68.2	-14.6	1.48 H	127	47.2	6.4
5	11570.00	50.0 PK	74.0	-24.0	1.71 H	208	33.2	16.8
6	11570.00	36.3 AV	54.0	-17.7	1.71 H	208	19.5	16.8
7	#17355.00	56.4 PK	68.2	-11.8	1.90 H	231	34.6	21.8

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	#5648.80	53.4 PK	68.2	-14.8	1.87 V	162	47.7	5.7
2	*5785.00	116.3 PK			1.87 V	162	76.4	39.9
3	*5785.00	106.9 AV			1.87 V	162	67.0	39.9
4	#5954.80	53.3 PK	68.2	-14.9	1.87 V	162	46.9	6.4
5	11570.00	50.8 PK	74.0	-23.2	2.58 V	195	34.0	16.8
6	11570.00	36.9 AV	54.0	-17.1	2.58 V	195	20.1	16.8
7	#17355.00	56.5 PK	68.2	-11.7	1.28 V	219	34.7	21.8

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5604.40	53.4 PK	68.2	-14.8	1.51 H	127	47.9	5.5
2	*5825.00	114.2 PK			1.51 H	127	74.2	40.0
3	*5825.00	104.7 AV			1.51 H	127	64.7	40.0
4	#5978.40	53.9 PK	68.2	-14.3	1.51 H	127	47.5	6.4
5	11650.00	50.4 PK	74.0	-23.6	1.67 H	209	33.8	16.6
6	11650.00	36.1 AV	54.0	-17.9	1.67 H	209	19.5	16.6
7	#17475.00	57.5 PK	68.2	-10.7	1.76 H	224	34.6	22.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.00	53.2 PK	68.2	-15.0	1.87 V	153	47.5	5.7
2	*5825.00	116.4 PK			1.87 V	153	76.4	40.0
3	*5825.00	107.2 AV			1.87 V	153	67.2	40.0
4	#5956.00	53.4 PK	68.2	-14.8	1.87 V	153	47.0	6.4
5	11650.00	50.5 PK	74.0	-23.5	2.50 V	200	33.9	16.6
6	11650.00	36.5 AV	54.0	-17.5	2.50 V	200	19.9	16.6
7	#17475.00	57.8 PK	68.2	-10.4	1.22 V	213	34.9	22.9

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.6 PK	74.0	-8.4	1.56 H	130	60.4	5.2
2	5150.00	50.2 AV	54.0	-3.8	1.56 H	130	45.0	5.2
3	*5180.00	117.8 PK			1.66 H	125	78.4	39.4
4	*5180.00	103.7 AV			1.66 H	125	64.3	39.4
5	#10360.00	50.5 PK	68.2	-17.7	1.75 H	220	33.9	16.6
6	15540.00	55.9 PK	74.0	-18.1	1.93 H	236	39.0	16.9
7	15540.00	43.1 AV	54.0	-10.9	1.93 H	236	26.2	16.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.4 PK	74.0	-7.6	1.79 V	123	61.2	5.2
2	5150.00	52.0 AV	54.0	-2.0	1.79 V	123	46.8	5.2
3	*5180.00	119.9 PK			1.32 V	174	80.5	39.4
4	*5180.00	106.8 AV			1.32 V	174	67.4	39.4
5	#10360.00	52.1 PK	68.2	-16.1	1.45 V	229	35.5	16.6
6	15540.00	56.9 PK	74.0	-17.1	1.61 V	103	40.0	16.9
7	15540.00	44.2 AV	54.0	-9.8	1.61 V	103	27.3	16.9

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	115.7 PK			1.50 H	127	76.4	39.3
2	*5200.00	102.3 AV			1.50 H	127	63.0	39.3
3	#10400.00	48.9 PK	68.2	-19.3	1.58 H	216	32.3	16.6
4	15600.00	60.8 PK	74.0	-13.2	1.82 H	234	44.2	16.6
5	15600.00	47.1 AV	54.0	-6.9	1.82 H	234	30.5	16.6

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	*5200.00	118.0 PK			1.41 V	165	78.7	39.3
2	*5200.00	105.9 AV			1.41 V	165	66.6	39.3
3	#10400.00	49.7 PK	68.2	-18.5	2.11 V	230	33.1	16.6
4	15600.00	64.8 PK	74.0	-9.2	1.32 V	212	48.2	16.6
5	15600.00	48.2 AV	54.0	-5.8	1.32 V	212	31.6	16.6

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	116.6 PK			1.50 H	126	77.5	39.1
2	*5240.00	103.9 AV			1.50 H	126	64.8	39.1
3	5350.00	50.8 PK	74.0	-23.2	1.57 H	128	46.0	4.8
4	5350.00	38.3 AV	54.0	-15.7	1.57 H	128	33.5	4.8
5	#10480.00	49.2 PK	68.2	-19.0	1.55 H	206	32.5	16.7
6	15720.00	61.3 PK	74.0	-12.7	1.82 H	229	45.6	15.7
7	15720.00	46.9 AV	54.0	-7.1	1.82 H	229	31.2	15.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.0 PK			1.48 V	165	79.9	39.1
2	*5240.00	106.5 AV			1.48 V	165	67.4	39.1
3	5350.00	51.0 PK	74.0	-23.0	1.55 V	164	46.2	4.8
4	5350.00	38.5 AV	54.0	-15.5	1.55 V	164	33.7	4.8
5	#10480.00	49.6 PK	68.2	-18.6	2.10 V	238	32.9	16.7
6	15720.00	65.4 PK	74.0	-8.6	1.00 V	210	49.7	15.7
7	15720.00	49.1 AV	54.0	-4.9	1.00 V	210	33.4	15.7

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 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	51.5 PK	74.0	-22.5	1.55 H	126	46.3	5.2
2	5150.00	39.0 AV	54.0	-15.0	1.55 H	126	33.8	5.2
3	*5260.00	118.4 PK			1.48 H	127	79.4	39.0
4	*5260.00	105.6 AV			1.48 H	127	66.6	39.0
5	#10520.00	49.5 PK	68.2	-18.7	1.64 H	220	32.8	16.7
6	15780.00	57.9 PK	74.0	-16.1	1.76 H	235	42.1	15.8
7	15780.00	41.5 AV	54.0	-12.5	1.76 H	235	25.7	15.8

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	52.5 PK	74.0	-21.5	2.25 V	113	47.3	5.2
2	5150.00	39.5 AV	54.0	-14.5	2.25 V	113	34.3	5.2
3	*5260.00	121.1 PK			2.47 V	105	82.1	39.0
4	*5260.00	108.1 AV			2.47 V	105	69.1	39.0
5	#10520.00	50.9 PK	68.2	-17.3	2.09 V	131	34.2	16.7
6	15780.00	60.1 PK	74.0	-13.9	1.51 V	193	44.3	15.8
7	15780.00	42.8 AV	54.0	-11.2	1.51 V	193	27.0	15.8

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 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	117.0 PK			1.50 H	128	78.0	39.0
2	*5300.00	104.8 AV			1.50 H	128	65.8	39.0
3	10600.00	49.1 PK	74.0	-24.9	1.59 H	224	32.0	17.1
4	10600.00	37.0 AV	54.0	-17.0	1.59 H	224	19.9	17.1
5	15900.00	56.2 PK	74.0	-17.8	1.70 H	229	40.0	16.2
6	15900.00	41.6 AV	54.0	-12.4	1.70 H	229	25.4	16.2

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	*5300.00	120.4 PK			2.46 V	105	81.4	39.0
2	*5300.00	108.0 AV			2.46 V	105	69.0	39.0
3	10600.00	50.9 PK	74.0	-23.1	2.12 V	125	33.8	17.1
4	10600.00	37.8 AV	54.0	-16.2	2.12 V	125	20.7	17.1
5	15900.00	58.3 PK	74.0	-15.7	1.36 V	200	42.1	16.2
6	15900.00	42.8 AV	54.0	-11.2	1.36 V	200	26.6	16.2

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% 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	117.4 PK			1.46 H	123	78.3	39.1
2	*5320.00	104.4 AV			1.46 H	123	65.3	39.1
3	5350.00	67.8 PK	74.0	-6.2	1.57 H	126	63.0	4.8
4	5350.00	49.7 AV	54.0	-4.3	1.57 H	126	44.9	4.8
5	10640.00	49.5 PK	74.0	-24.5	1.65 H	222	32.4	17.1
6	10640.00	37.3 AV	54.0	-16.7	1.65 H	222	20.2	17.1
7	15960.00	55.5 PK	74.0	-18.5	1.88 H	236	39.3	16.2
8	15960.00	42.5 AV	54.0	-11.5	1.88 H	236	26.3	16.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	121.4 PK			1.63 V	122	82.3	39.1
2	*5320.00	107.8 AV			1.63 V	122	68.7	39.1
3	5350.00	70.3 PK	74.0	-3.7	1.82 V	166	65.5	4.8
4	5350.00	51.8 AV	54.0	-2.2	1.82 V	166	47.0	4.8
5	10640.00	51.9 PK	74.0	-22.1	1.40 V	239	34.8	17.1
6	10640.00	38.4 AV	54.0	-15.6	1.40 V	239	21.3	17.1
7	15960.00	56.7 PK	74.0	-17.3	1.58 V	98	40.5	16.2
8	15960.00	43.7 AV	54.0	-10.3	1.58 V	98	27.5	16.2

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% 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	56.2 PK	74.0	-17.8	1.61 H	122	51.0	5.2
2	5460.00	41.9 AV	54.0	-12.1	1.61 H	122	36.7	5.2
3	#5470.00	62.2 PK	68.2	-6.0	1.51 H	129	57.0	5.2
4	*5500.00	116.5 PK			1.49 H	133	76.8	39.7
5	*5500.00	104.0 AV			1.49 H	133	64.3	39.7
6	11000.00	50.0 PK	74.0	-24.0	1.63 H	233	32.3	17.7
7	11000.00	37.0 AV	54.0	-17.0	1.63 H	233	19.3	17.7
8	#16500.00	57.0 PK	68.2	-11.2	1.75 H	209	39.2	17.8

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	58.2 PK	74.0	-15.8	1.66 V	161	53.0	5.2
2	5460.00	43.0 AV	54.0	-11.0	1.66 V	161	37.8	5.2
3	#5470.00	66.2 PK	68.2	-2.0	1.78 V	165	61.0	5.2
4	*5500.00	119.8 PK			1.81 V	160	80.1	39.7
5	*5500.00	107.0 AV			1.81 V	160	67.3	39.7
6	11000.00	52.3 PK	74.0	-21.7	1.45 V	222	34.6	17.7
7	11000.00	38.1 AV	54.0	-15.9	1.45 V	222	20.4	17.7
8	#16500.00	58.1 PK	68.2	-10.1	1.40 V	96	40.3	17.8

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 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	118.9 PK			1.47 H	127	79.2	39.7
2	*5580.00	106.0 AV			1.47 H	127	66.3	39.7
3	11160.00	48.6 PK	74.0	-25.4	1.60 H	225	31.6	17.0
4	11160.00	35.3 AV	54.0	-18.7	1.60 H	225	18.3	17.0
5	#16740.00	55.9 PK	68.2	-12.3	1.77 H	236	35.1	20.8

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	*5580.00	121.2 PK			2.02 V	166	81.5	39.7
2	*5580.00	108.5 AV			2.02 V	166	68.8	39.7
3	11160.00	49.2 PK	74.0	-24.8	2.04 V	155	32.2	17.0
4	11160.00	35.8 AV	54.0	-18.2	2.04 V	155	18.8	17.0
5	#16740.00	56.3 PK	68.2	-11.9	1.40 V	209	35.5	20.8

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, 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	117.7 PK			1.59 H	124	77.6	40.1
2	*5700.00	103.7 AV			1.59 H	124	63.6	40.1
3	#5725.00	61.5 PK	68.2	-6.7	1.52 H	130	55.9	5.6
4	11400.00	48.1 PK	74.0	-25.9	1.50 H	222	30.7	17.4
5	11400.00	35.6 AV	54.0	-18.4	1.50 H	222	18.2	17.4
6	#17100.00	54.1 PK	68.2	-14.1	1.72 H	239	32.6	21.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.7 PK			1.57 V	171	78.6	40.1
2	*5700.00	106.0 AV			1.57 V	171	65.9	40.1
3	#5725.00	66.1 PK	68.2	-2.1	1.61 V	192	60.5	5.6
4	11400.00	52.3 PK	74.0	-21.7	1.61 V	185	34.9	17.4
5	11400.00	38.8 AV	54.0	-15.2	1.61 V	185	21.4	17.4
6	#17100.00	54.9 PK	68.2	-13.3	1.65 V	193	33.4	21.5

Remarks:

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



RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 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	51.8 PK	68.2	-16.4	1.51 H	133	46.6	5.2
2	*5720.00	117.1 PK			1.44 H	129	77.1	40.0
3	*5720.00	104.1 AV			1.44 H	129	64.1	40.0
4	#5850.00	51.8 PK	68.2	-16.4	1.52 H	125	46.2	5.6
5	11440.00	48.5 PK	74.0	-25.5	1.52 H	222	31.2	17.3
6	11440.00	35.8 AV	54.0	-18.2	1.52 H	222	18.5	17.3
7	#17160.00	54.7 PK	68.2	-13.5	1.85 H	239	32.7	22.0

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	#5470.00	52.0 PK	68.2	-16.2	1.84 V	159	46.8	5.2
2	*5720.00	119.5 PK			1.80 V	162	79.5	40.0
3	*5720.00	106.4 AV			1.80 V	162	66.4	40.0
4	#5850.00	52.0 PK	68.2	-16.2	1.91 V	169	46.4	5.6
5	11440.00	48.9 PK	74.0	-25.1	2.05 V	156	31.6	17.3
6	11440.00	36.3 AV	54.0	-17.7	2.05 V	156	19.0	17.3
7	#17160.00	55.4 PK	68.2	-12.8	1.37 V	212	33.4	22.0

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.40	53.1 PK	68.2	-15.1	1.45 H	122	47.5	5.6
2	*5745.00	117.0 PK			1.45 H	122	77.1	39.9
3	*5745.00	103.6 AV			1.45 H	122	63.7	39.9
4	#5996.40	53.4 PK	68.2	-14.8	1.45 H	122	46.9	6.5
5	11490.00	50.0 PK	74.0	-24.0	1.74 H	210	33.1	16.9
6	11490.00	36.3 AV	54.0	-17.7	1.74 H	210	19.4	16.9
7	#17235.00	56.5 PK	68.2	-11.7	1.74 H	230	34.3	22.2

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	#5616.00	54.0 PK	68.2	-14.2	1.90 V	161	48.4	5.6
2	*5745.00	118.9 PK			1.90 V	161	79.0	39.9
3	*5745.00	106.0 AV			1.90 V	161	66.1	39.9
4	#5974.00	54.5 PK	68.2	-13.7	1.90 V	161	48.1	6.4
5	11490.00	50.6 PK	74.0	-23.4	2.42 V	196	33.7	16.9
6	11490.00	36.8 AV	54.0	-17.2	2.42 V	196	19.9	16.9
7	#17235.00	56.9 PK	68.2	-11.3	1.31 V	216	34.7	22.2

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.80	53.9 PK	68.2	-14.3	1.52 H	128	48.2	5.7
2	*5785.00	116.5 PK			1.52 H	128	76.6	39.9
3	*5785.00	103.6 AV			1.52 H	128	63.7	39.9
4	#5933.60	53.7 PK	68.2	-14.5	1.52 H	128	47.4	6.3
5	11570.00	49.7 PK	74.0	-24.3	1.71 H	210	32.9	16.8
6	11570.00	36.0 AV	54.0	-18.0	1.71 H	210	19.2	16.8
7	#17355.00	55.9 PK	68.2	-12.3	1.79 H	228	34.1	21.8

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	#5627.20	54.1 PK	68.2	-14.1	1.77 V	161	48.5	5.6
2	*5785.00	119.4 PK			1.77 V	161	79.5	39.9
3	*5785.00	105.9 AV			1.77 V	161	66.0	39.9
4	#5966.40	53.7 PK	68.2	-14.5	1.77 V	161	47.3	6.4
5	11570.00	50.3 PK	74.0	-23.7	2.36 V	190	33.5	16.8
6	11570.00	36.5 AV	54.0	-17.5	2.36 V	190	19.7	16.8
7	#17355.00	56.1 PK	68.2	-12.1	1.34 V	210	34.3	21.8

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.40	53.3 PK	68.2	-14.9	1.55 H	124	47.7	5.6
2	*5825.00	117.2 PK			1.55 H	124	77.2	40.0
3	*5825.00	103.7 AV			1.55 H	124	63.7	40.0
4	#5954.40	54.0 PK	68.2	-14.2	1.55 H	124	47.6	6.4
5	11650.00	49.9 PK	74.0	-24.1	1.61 H	208	33.3	16.6
6	11650.00	35.8 AV	54.0	-18.2	1.61 H	208	19.2	16.6
7	#17475.00	57.1 PK	68.2	-11.1	1.72 H	231	34.2	22.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.80	53.0 PK	68.2	-15.2	1.76 V	160	47.3	5.7
2	*5825.00	119.6 PK			1.76 V	160	79.6	40.0
3	*5825.00	106.1 AV			1.76 V	160	66.1	40.0
4	#5949.20	54.5 PK	68.2	-13.7	1.76 V	160	48.1	6.4
5	11650.00	50.2 PK	74.0	-23.8	2.28 V	193	33.6	16.6
6	11650.00	36.4 AV	54.0	-17.6	2.28 V	193	19.8	16.6
7	#17475.00	57.5 PK	68.2	-10.7	1.29 V	212	34.6	22.9

Remarks:

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

RF Mode	802.11ax (HE40) Full RU	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	22°C, 66% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.1 PK	74.0	-10.9	1.63 H	122	57.9	5.2
2	5150.00	48.6 AV	54.0	-5.4	1.63 H	122	43.4	5.2
3	*5190.00	113.1 PK			1.58 H	130	73.8	39.3
4	*5190.00	100.6 AV			1.58 H	130	61.3	39.3
5	#10380.00	50.2 PK	68.2	-18.0	1.69 H	215	33.6	16.6
6	15570.00	55.4 PK	74.0	-18.6	1.80 H	221	38.6	16.8
7	15570.00	42.6 AV	54.0	-11.4	1.80 H	221	25.8	16.8

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	70.1 PK	74.0	-3.9	1.77 V	119	64.9	5.2
2	5150.00	52.0 AV	54.0	-2.0	1.77 V	119	46.8	5.2
3	*5190.00	116.6 PK			1.87 V	146	77.3	39.3
4	*5190.00	103.8 AV			1.87 V	146	64.5	39.3
5	#10380.00	51.8 PK	68.2	-16.4	1.39 V	233	35.2	16.6
6	15570.00	56.6 PK	74.0	-17.4	1.59 V	99	39.8	16.8
7	15570.00	43.7 AV	54.0	-10.3	1.59 V	99	26.9	16.8

Remarks:

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



RF Mode	802.11ax (HE40) Full RU	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	22°C, 66% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	113.8 PK			1.54 H	127	74.7	39.1
2	*5230.00	101.4 AV			1.54 H	127	62.3	39.1
3	5350.00	51.7 PK	74.0	-22.3	1.55 H	136	46.9	4.8
4	5350.00	39.1 AV	54.0	-14.9	1.55 H	136	34.3	4.8
5	#10460.00	47.3 PK	68.2	-20.9	1.55 H	212	30.7	16.6
6	15690.00	58.1 PK	74.0	-15.9	1.81 H	228	42.5	15.6
7	15690.00	44.3 AV	54.0	-9.7	1.81 H	228	28.7	15.6

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	*5230.00	116.2 PK			1.38 V	166	77.1	39.1
2	*5230.00	103.7 AV			1.38 V	166	64.6	39.1
3	5350.00	52.1 PK	74.0	-21.9	1.54 V	104	47.3	4.8
4	5350.00	40.0 AV	54.0	-14.0	1.54 V	104	35.2	4.8
5	#10460.00	47.6 PK	68.2	-20.6	2.15 V	233	31.0	16.6
6	15690.00	58.6 PK	74.0	-15.4	1.00 V	206	43.0	15.6
7	15690.00	45.2 AV	54.0	-8.8	1.00 V	206	29.6	15.6

Remarks:

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



RF Mode	802.11ax (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	22°C, 66% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.3 PK	74.0	-21.7	1.55 H	129	47.1	5.2
2	5150.00	39.8 AV	54.0	-14.2	1.55 H	129	34.6	5.2
3	*5270.00	113.1 PK			1.46 H	127	74.1	39.0
4	*5270.00	100.7 AV			1.46 H	127	61.7	39.0
5	#10540.00	48.3 PK	68.2	-19.9	1.58 H	210	31.6	16.7
6	15810.00	59.2 PK	74.0	-14.8	1.78 H	235	43.4	15.8
7	15810.00	46.4 AV	54.0	-7.6	1.78 H	235	30.6	15.8

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	52.6 PK	74.0	-21.4	1.80 V	166	47.4	5.2
2	5150.00	41.4 AV	54.0	-12.6	1.80 V	166	36.2	5.2
3	*5270.00	116.2 PK			1.32 V	165	77.2	39.0
4	*5270.00	104.2 AV			1.32 V	165	65.2	39.0
5	#10540.00	49.9 PK	68.2	-18.3	2.05 V	156	33.2	16.7
6	15810.00	62.1 PK	74.0	-11.9	1.12 V	203	46.3	15.8
7	15810.00	48.0 AV	54.0	-6.0	1.12 V	203	32.2	15.8

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 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	22°C, 66% 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	113.4 PK			1.47 H	128	74.3	39.1
2	*5310.00	100.4 AV			1.47 H	128	61.3	39.1
3	5350.00	61.8 PK	74.0	-12.2	1.59 H	133	57.0	4.8
4	5350.00	47.8 AV	54.0	-6.2	1.59 H	133	43.0	4.8
5	10620.00	49.7 PK	74.0	-24.3	1.75 H	220	32.6	17.1
6	10620.00	37.3 AV	54.0	-16.7	1.75 H	220	20.2	17.1
7	15930.00	55.5 PK	74.0	-18.5	1.71 H	239	39.3	16.2
8	15930.00	42.4 AV	54.0	-11.6	1.71 H	239	26.2	16.2

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	*5310.00	115.7 PK			1.75 V	133	76.6	39.1
2	*5310.00	103.3 AV			1.75 V	133	64.2	39.1
3	5350.00	65.5 PK	74.0	-8.5	1.84 V	166	60.7	4.8
4	5350.00	51.9 AV	54.0	-2.1	1.84 V	166	47.1	4.8
5	10620.00	51.7 PK	74.0	-22.3	1.39 V	230	34.6	17.1
6	10620.00	38.3 AV	54.0	-15.7	1.39 V	230	21.2	17.1
7	15930.00	56.5 PK	74.0	-17.5	1.51 V	100	40.3	16.2
8	15930.00	43.5 AV	54.0	-10.5	1.51 V	100	27.3	16.2

Remarks:

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



RF Mode	802.11ax (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	22°C, 66% 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	58.5 PK	74.0	-15.5	1.58 H	133	53.3	5.2
2	5460.00	43.4 AV	54.0	-10.6	1.58 H	133	38.2	5.2
3	#5470.00	62.2 PK	68.2	-6.0	1.61 H	125	57.0	5.2
4	*5510.00	114.0 PK			1.49 H	130	74.3	39.7
5	*5510.00	101.2 AV			1.49 H	130	61.5	39.7
6	11020.00	50.0 PK	74.0	-24.0	1.57 H	233	32.3	17.7
7	11020.00	37.2 AV	54.0	-16.8	1.57 H	233	19.5	17.7
8	#16530.00	54.1 PK	68.2	-14.1	1.74 H	230	35.7	18.4

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	62.7 PK	74.0	-11.3	1.74 V	158	57.5	5.2
2	5460.00	47.6 AV	54.0	-6.4	1.74 V	158	42.4	5.2
3	#5470.00	66.1 PK	68.2	-2.1	1.81 V	167	60.9	5.2
4	*5510.00	116.7 PK			1.69 V	161	77.0	39.7
5	*5510.00	104.2 AV			1.69 V	161	64.5	39.7
6	11020.00	51.9 PK	74.0	-22.1	1.48 V	207	34.2	17.7
7	11020.00	38.3 AV	54.0	-15.7	1.48 V	207	20.6	17.7
8	#16530.00	55.2 PK	68.2	-13.0	1.37 V	94	36.8	18.4

Remarks:

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



RF Mode	802.11ax (HE40)	Channel	CH 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	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	*5550.00	115.8 PK			1.49 H	131	76.1	39.7
2	*5550.00	102.7 AV			1.49 H	131	63.0	39.7
3	11100.00	48.7 PK	74.0	-25.3	1.66 H	224	31.4	17.3
4	11100.00	35.2 AV	54.0	-18.8	1.66 H	224	17.9	17.3
5	#16650.00	52.8 PK	68.2	-15.4	1.82 H	240	32.5	20.3

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	*5550.00	118.2 PK			2.12 V	162	78.5	39.7
2	*5550.00	105.2 AV			2.12 V	162	65.5	39.7
3	11100.00	49.3 PK	74.0	-24.7	2.06 V	148	32.0	17.3
4	11100.00	35.7 AV	54.0	-18.3	2.06 V	148	18.4	17.3
5	#16650.00	53.3 PK	68.2	-14.9	1.54 V	230	33.0	20.3

Remarks:

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



RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, 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	*5670.00	114.7 PK			1.51 H	130	74.7	40.0
2	*5670.00	101.5 AV			1.51 H	130	61.5	40.0
3	#5725.00	59.2 PK	68.2	-9.0	1.44 H	122	53.6	5.6
4	11340.00	49.0 PK	74.0	-25.0	1.52 H	226	31.5	17.5
5	11340.00	35.4 AV	54.0	-18.6	1.52 H	226	17.9	17.5
6	#17010.00	56.1 PK	68.2	-12.1	1.69 H	237	33.6	22.5

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	117.3 PK			1.94 V	172	77.3	40.0
2	*5670.00	104.3 AV			1.94 V	172	64.3	40.0
3	#5725.00	62.9 PK	68.2	-5.3	1.96 V	162	57.3	5.6
4	11340.00	49.4 PK	74.0	-24.6	2.05 V	146	31.9	17.5
5	11340.00	35.8 AV	54.0	-18.2	2.05 V	146	18.3	17.5
6	#17010.00	56.5 PK	68.2	-11.7	1.46 V	226	34.0	22.5

Remarks:

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



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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	52.5 PK	68.2	-15.7	1.53 H	121	47.3	5.2
2	*5710.00	115.8 PK			1.47 H	126	75.7	40.1
3	*5710.00	102.5 AV			1.47 H	126	62.4	40.1
4	#5850.00	52.6 PK	68.2	-15.6	1.51 H	130	47.0	5.6
5	11420.00	48.9 PK	74.0	-25.1	1.58 H	218	31.6	17.3
6	11420.00	35.5 AV	54.0	-18.5	1.58 H	218	18.2	17.3
7	#17130.00	54.6 PK	68.2	-13.6	1.74 H	220	32.9	21.7

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	52.7 PK	68.2	-15.5	2.05 V	165	47.5	5.2
2	*5710.00	117.1 PK			2.00 V	161	77.0	40.1
3	*5710.00	104.5 AV			2.00 V	161	64.4	40.1
4	#5850.00	52.9 PK	68.2	-15.3	2.11 V	163	47.3	5.6
5	11420.00	49.3 PK	74.0	-24.7	2.11 V	150	32.0	17.3
6	11420.00	35.9 AV	54.0	-18.1	2.11 V	150	18.6	17.3
7	#17130.00	55.0 PK	68.2	-13.2	1.52 V	227	33.3	21.7

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	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	#5631.20	54.9 PK	68.2	-13.3	1.47 H	129	49.3	5.6
2	*5755.00	113.9 PK			1.47 H	129	74.0	39.9
3	*5755.00	101.3 AV			1.47 H	129	61.4	39.9
4	#5942.00	54.2 PK	68.2	-14.0	1.47 H	129	47.9	6.3
5	11510.00	50.0 PK	74.0	-24.0	1.70 H	212	33.2	16.8
6	11510.00	36.1 AV	54.0	-17.9	1.70 H	212	19.3	16.8
7	#17265.00	56.1 PK	68.2	-12.1	1.82 H	225	34.1	22.0
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	#5626.00	55.9 PK	68.2	-12.3	1.84 V	159	50.3	5.6
2	*5755.00	115.4 PK			1.84 V	159	75.1	40.3
3	*5755.00	103.5 AV			1.84 V	159	63.2	40.3
4	#5971.20	53.4 PK	68.2	-14.8	1.84 V	159	47.0	6.4
5	11510.00	50.4 PK	74.0	-23.6	2.30 V	200	32.6	17.8
6	11510.00	36.6 AV	54.0	-17.4	2.30 V	200	18.8	17.8
7	#17265.00	56.5 PK	68.2	-11.7	1.27 V	213	33.5	23.0

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.00	54.3 PK	68.2	-13.9	1.46 H	130	48.6	5.7
2	*5795.00	112.4 PK			1.46 H	130	72.5	39.9
3	*5795.00	99.8 AV			1.46 H	130	59.9	39.9
4	#5936.00	54.7 PK	68.2	-13.5	1.46 H	130	48.4	6.3
5	11590.00	49.6 PK	74.0	-24.4	1.61 H	209	32.9	16.7
6	11590.00	35.8 AV	54.0	-18.2	1.61 H	209	19.1	16.7
7	#17385.00	55.6 PK	68.2	-12.6	1.74 H	225	33.6	22.0

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	#5639.20	54.5 PK	68.2	-13.7	1.75 V	160	48.8	5.7
2	*5795.00	114.6 PK			1.75 V	160	74.7	39.9
3	*5795.00	102.4 AV			1.75 V	160	62.5	39.9
4	#5926.00	54.6 PK	68.2	-13.6	1.75 V	160	48.4	6.2
5	11590.00	50.0 PK	74.0	-24.0	2.21 V	191	33.3	16.7
6	11590.00	36.2 AV	54.0	-17.8	2.21 V	191	19.5	16.7
7	#17385.00	56.1 PK	68.2	-12.1	1.36 V	219	34.1	22.0

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) Full RU	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	22°C, 66% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.2 PK	74.0	-10.8	1.62 H	139	58.0	5.2
2	5150.00	50.2 AV	54.0	-3.8	1.62 H	139	45.0	5.2
3	*5210.00	109.5 PK			1.50 H	129	70.3	39.2
4	*5210.00	97.7 AV			1.50 H	129	58.5	39.2
5	#10420.00	49.1 PK	68.2	-19.1	1.67 H	215	32.6	16.5
6	15630.00	55.0 PK	74.0	-19.0	1.79 H	240	38.7	16.3
7	15630.00	41.9 AV	54.0	-12.1	1.79 H	240	25.6	16.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	1.71 V	117	59.5	5.2
2	5150.00	51.8 AV	54.0	-2.2	1.71 V	117	46.6	5.2
3	*5210.00	114.1 PK			1.66 V	124	74.9	39.2
4	*5210.00	101.0 AV			1.66 V	124	61.8	39.2
5	#10420.00	51.5 PK	68.2	-16.7	1.31 V	225	35.0	16.5
6	15630.00	55.9 PK	74.0	-18.1	1.62 V	103	39.6	16.3
7	15630.00	42.9 AV	54.0	-11.1	1.62 V	103	26.6	16.3

Remarks:

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



RF Mode	802.11ax (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	22°C, 66% 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	108.7 PK			1.57 H	128	69.7	39.0
2	*5290.00	96.4 AV			1.57 H	128	57.4	39.0
3	5350.00	61.5 PK	74.0	-12.5	1.50 H	137	56.7	4.8
4	5350.00	49.3 AV	54.0	-4.7	1.50 H	137	44.5	4.8
5	#10580.00	49.0 PK	68.2	-19.2	1.69 H	206	32.0	17.0
6	15870.00	54.5 PK	74.0	-19.5	1.69 H	237	38.4	16.1
7	15870.00	41.9 AV	54.0	-12.1	1.69 H	237	25.8	16.1

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	*5290.00	112.8 PK			1.88 V	136	73.8	39.0
2	*5290.00	99.7 AV			1.88 V	136	60.7	39.0
3	5350.00	64.0 PK	74.0	-10.0	2.29 V	117	59.2	4.8
4	5350.00	51.9 AV	54.0	-2.1	2.29 V	117	47.1	4.8
5	#10580.00	51.3 PK	68.2	-16.9	1.46 V	222	34.3	17.0
6	15870.00	55.7 PK	74.0	-18.3	1.46 V	92	39.6	16.1
7	15870.00	42.9 AV	54.0	-11.1	1.46 V	92	26.8	16.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 66% 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	57.2 PK	74.0	-16.8	1.61 H	130	52.0	5.2
2	5460.00	44.8 AV	54.0	-9.2	1.61 H	130	39.6	5.2
3	#5470.00	62.1 PK	68.2	-6.1	1.54 H	129	56.9	5.2
4	*5530.00	110.4 PK			1.45 H	125	70.7	39.7
5	*5530.00	97.2 AV			1.45 H	125	57.5	39.7
6	11060.00	50.0 PK	74.0	-24.0	1.69 H	226	32.5	17.5
7	11060.00	36.6 AV	54.0	-17.4	1.69 H	226	19.1	17.5
8	#16590.00	54.4 PK	68.2	-13.8	1.92 H	225	34.6	19.8

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	62.8 PK	74.0	-11.2	1.74 V	158	57.6	5.2
2	5460.00	48.7 AV	54.0	-5.3	1.74 V	158	43.5	5.2
3	#5470.00	66.2 PK	68.2	-2.0	1.85 V	169	61.0	5.2
4	*5530.00	112.7 PK			1.90 V	164	73.0	39.7
5	*5530.00	100.7 AV			1.90 V	164	61.0	39.7
6	11060.00	51.4 PK	74.0	-22.6	1.51 V	216	33.9	17.5
7	11060.00	37.8 AV	54.0	-16.2	1.51 V	216	20.3	17.5
8	#16590.00	55.7 PK	68.2	-12.5	1.82 V	103	35.9	19.8

Remarks:

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



RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	112.9 PK			1.45 H	126	73.1	39.8
2	*5610.00	100.6 AV			1.45 H	126	60.8	39.8
3	#5725.00	58.6 PK	68.2	-9.6	1.51 H	130	53.0	5.6
4	11220.00	48.7 PK	74.0	-25.3	1.61 H	219	31.8	16.9
5	11220.00	35.5 AV	54.0	-18.5	1.61 H	219	18.6	16.9
6	#16830.00	54.5 PK	68.2	-13.7	1.86 H	231	33.2	21.3

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	*5610.00	116.9 PK			2.37 V	106	77.1	39.8
2	*5610.00	103.6 AV			2.37 V	106	63.8	39.8
3	#5725.00	65.6 PK	68.2	-2.6	1.95 V	157	60.0	5.6
4	11220.00	51.1 PK	74.0	-22.9	1.93 V	124	34.2	16.9
5	11220.00	37.0 AV	54.0	-17.0	1.93 V	124	20.1	16.9
6	#16830.00	54.3 PK	68.2	-13.9	1.21 V	197	33.0	21.3

Remarks:

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



RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	53.7 PK	68.2	-14.5	1.45 H	126	48.5	5.2
2	*5690.00	112.4 PK			1.50 H	125	72.3	40.1
3	*5690.00	99.8 AV			1.50 H	125	59.7	40.1
4	#5850.00	55.2 PK	68.2	-13.0	1.53 H	130	49.6	5.6
5	11380.00	49.3 PK	74.0	-24.7	1.55 H	213	31.8	17.5
6	11380.00	36.3 AV	54.0	-17.7	1.55 H	213	18.8	17.5
7	#17070.00	54.9 PK	68.2	-13.3	1.78 H	223	33.2	21.7

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	54.1 PK	68.2	-14.1	1.76 V	161	48.9	5.2
2	*5690.00	114.9 PK			1.71 V	158	74.8	40.1
3	*5690.00	102.4 AV			1.71 V	158	62.3	40.1
4	#5850.00	55.7 PK	68.2	-12.5	1.85 V	166	50.1	5.6
5	11380.00	49.9 PK	74.0	-24.1	1.96 V	152	32.4	17.5
6	11380.00	36.7 AV	54.0	-17.3	1.96 V	152	19.2	17.5
7	#17070.00	55.3 PK	68.2	-12.9	1.46 V	236	33.6	21.7

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

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.40	56.1 PK	68.2	-12.1	1.45 H	126	50.5	5.6
2	*5775.00	110.7 PK			1.45 H	126	70.8	39.9
3	*5775.00	98.1 AV			1.45 H	126	58.2	39.9
4	#5925.60	54.7 PK	68.2	-13.5	1.45 H	126	48.6	6.1
5	11550.00	49.9 PK	74.0	-24.1	1.70 H	210	33.0	16.9
6	11550.00	36.1 AV	54.0	-17.9	1.70 H	210	19.2	16.9
7	#17325.00	56.0 PK	68.2	-12.2	1.85 H	224	34.1	21.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.00	58.1 PK	68.2	-10.1	2.00 V	162	52.4	5.7
2	*5775.00	112.6 PK			2.00 V	162	72.7	39.9
3	*5775.00	100.3 AV			2.00 V	162	60.4	39.9
4	#5927.60	55.4 PK	68.2	-12.8	2.00 V	162	49.2	6.2
5	11550.00	50.3 PK	74.0	-23.7	2.15 V	194	33.4	16.9
6	11550.00	36.5 AV	54.0	-17.5	2.15 V	194	19.6	16.9
7	#17325.00	56.5 PK	68.2	-11.7	1.31 V	216	34.6	21.9

Remarks:

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

RF Mode	802.11ax (HE160) Full RU	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	22°C, 66% 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	5108.00	58.0 PK	74.0	-16.0	1.51 H	125	52.7	5.3
2	5108.00	44.9 AV	54.0	-9.1	1.51 H	125	39.6	5.3
3	*5250.00	105.4 PK			1.49 H	121	66.3	39.1
4	*5250.00	92.1 AV			1.49 H	121	53.0	39.1
5	5400.00	64.9 PK	74.0	-9.1	1.55 H	131	60.0	4.9
6	5400.00	50.9 AV	54.0	-3.1	1.55 H	131	46.0	4.9
7	#10500.00	48.7 PK	68.2	-19.5	1.71 H	227	32.1	16.6
8	15750.00	53.3 PK	74.0	-20.7	1.76 H	223	37.6	15.7
9	15750.00	41.0 AV	54.0	-13.0	1.76 H	223	25.3	15.7

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	5108.00	59.3 PK	74.0	-14.7	1.81 V	158	54.0	5.3
2	5108.00	46.6 AV	54.0	-7.4	1.81 V	158	41.3	5.3
3	*5250.00	107.1 PK			1.76 V	161	68.0	39.1
4	*5250.00	95.2 AV			1.76 V	161	56.1	39.1
5	5400.00	65.3 PK	74.0	-8.7	1.85 V	168	60.4	4.9
6	5400.00	52.0 AV	54.0	-2.0	1.85 V	168	47.1	4.9
7	#10500.00	51.1 PK	68.2	-17.1	1.42 V	239	34.5	16.6
8	15750.00	54.8 PK	74.0	-19.2	1.45 V	94	39.1	15.7
9	15750.00	42.0 AV	54.0	-12.0	1.45 V	94	26.3	15.7

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) Full RU	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	22°C, 66% 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	57.6 PK	74.0	-16.4	1.51 H	130	52.4	5.2
2	5460.00	44.7 AV	54.0	-9.3	1.51 H	130	39.5	5.2
3	#5470.00	59.2 PK	68.2	-9.0	1.49 H	118	54.0	5.2
4	*5570.00	105.4 PK			1.58 H	125	65.7	39.7
5	*5570.00	92.2 AV			1.58 H	125	52.5	39.7
6	#5732.00	60.6 PK	68.2	-7.6	1.41 H	122	55.0	5.6
7	11140.00	49.1 PK	74.0	-24.9	1.57 H	205	32.0	17.1
8	11140.00	36.6 AV	54.0	-17.4	1.57 H	205	19.5	17.1
9	#16710.00	54.7 PK	68.2	-13.5	1.65 H	229	34.1	20.6
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	58.7 PK	74.0	-15.3	1.87 V	166	53.5	5.2
2	5460.00	46.9 AV	54.0	-7.1	1.87 V	166	41.7	5.2
3	#5470.00	61.1 PK	68.2	-7.1	1.85 V	168	55.9	5.2
4	*5570.00	108.0 PK			1.77 V	166	68.3	39.7
5	*5570.00	95.5 AV			1.77 V	166	55.8	39.7
6	#5732.00	66.0 PK	68.2	-2.2	1.88 V	159	60.4	5.6
7	11140.00	50.8 PK	74.0	-23.2	2.02 V	210	33.7	17.1
8	11140.00	37.1 AV	54.0	-16.9	2.02 V	210	20.0	17.1
9	#16710.00	56.0 PK	68.2	-12.2	1.75 V	96	35.4	20.6

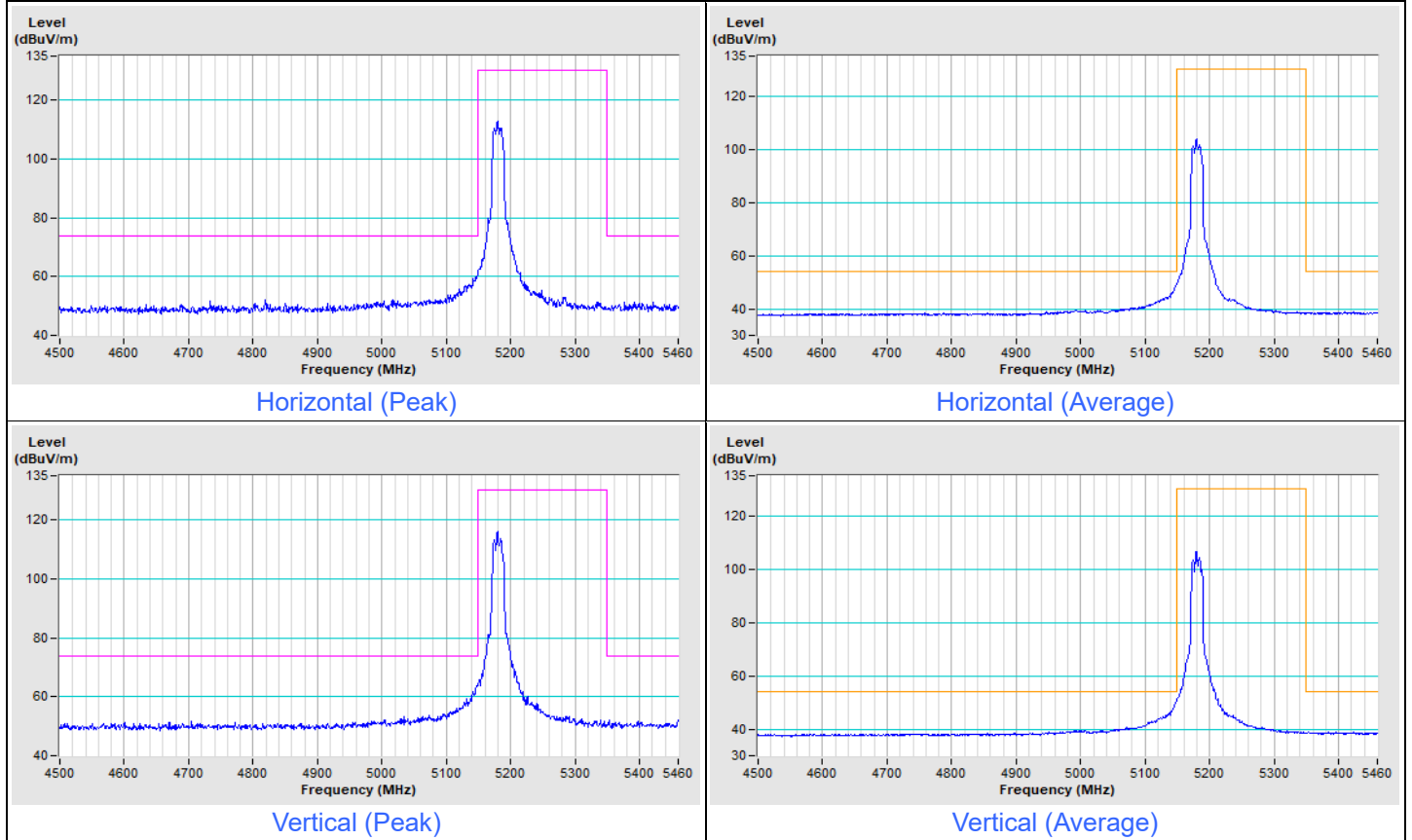
Remarks:

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

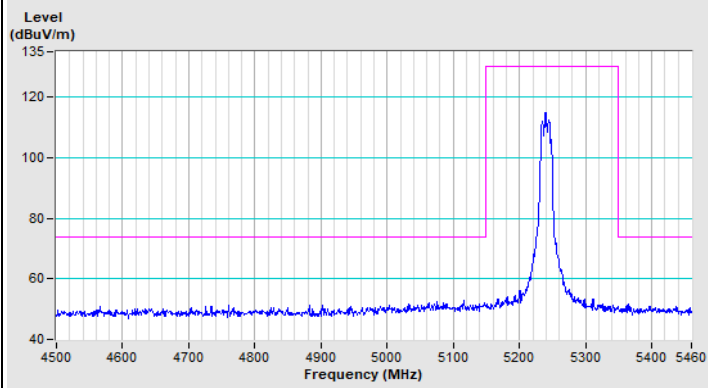
Plot of Band Edge

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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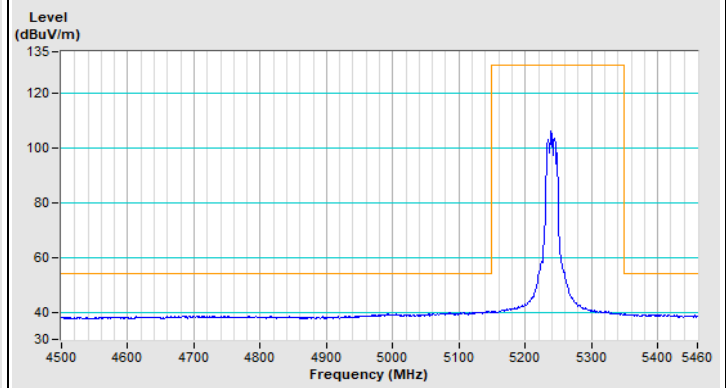
802.11a Channel 36



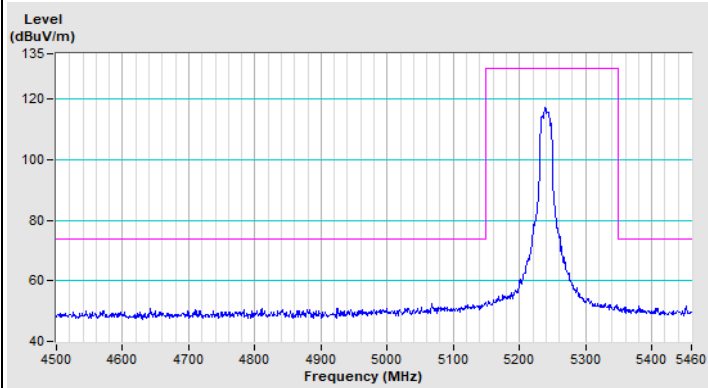
802.11a Channel 48



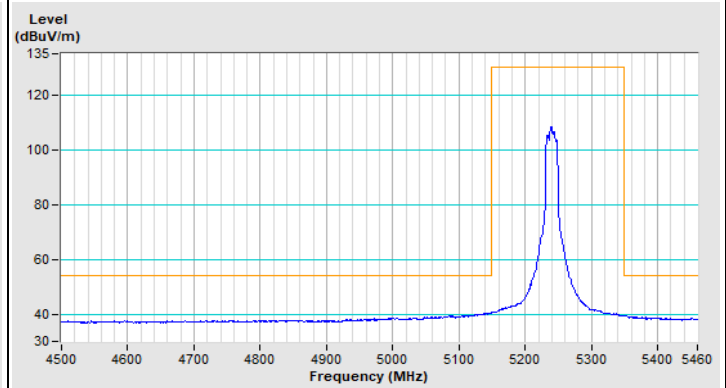
Horizontal (Peak)



Horizontal (Average)



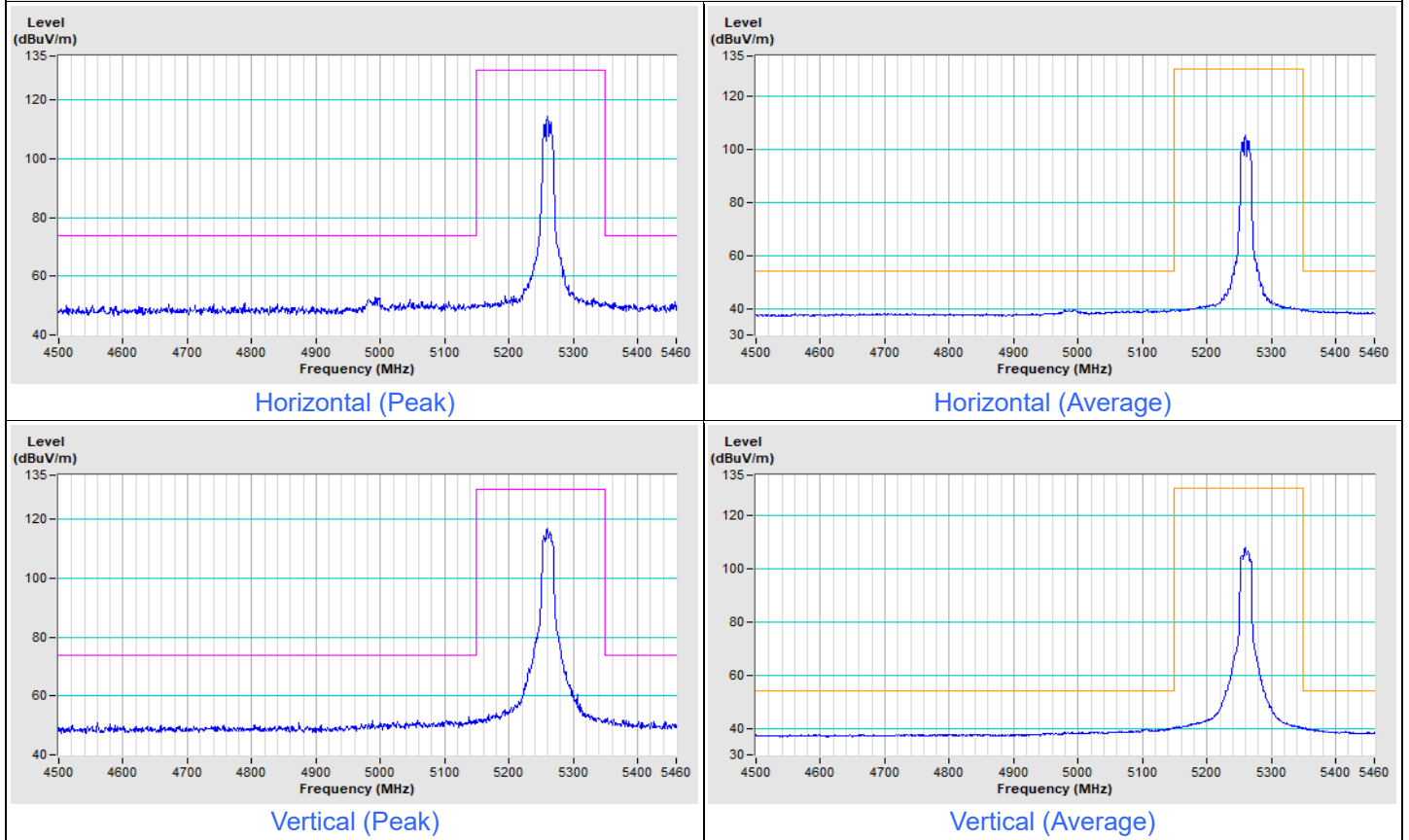
Vertical (Peak)



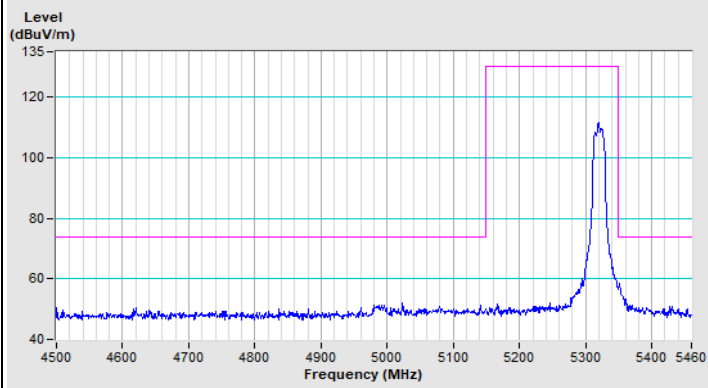
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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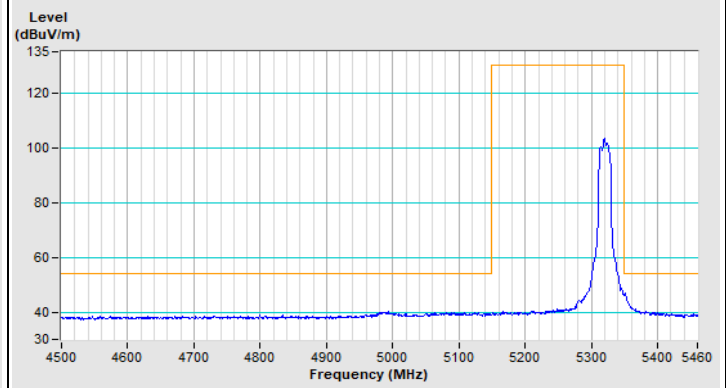
802.11a Channel 52



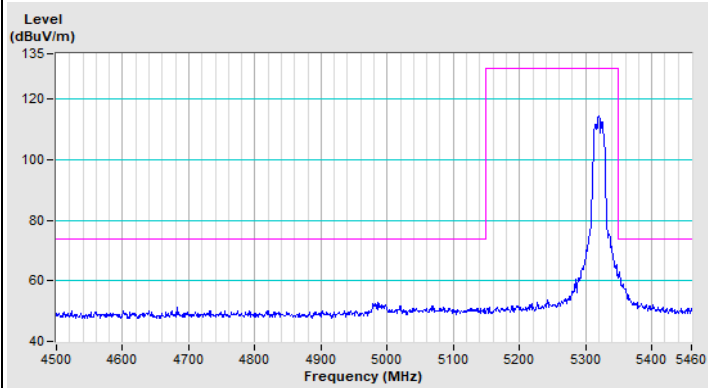
802.11a Channel 64



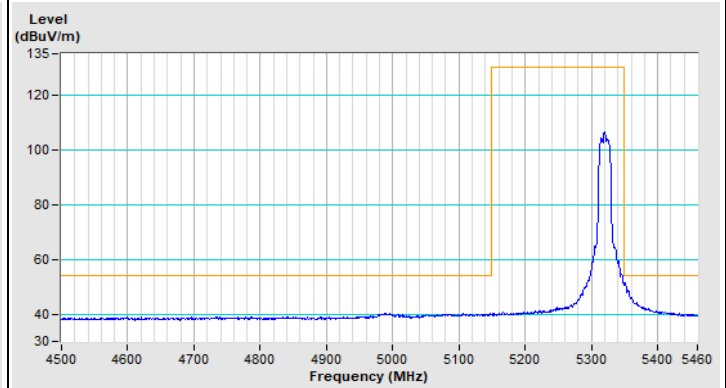
Horizontal (Peak)



Horizontal (Average)



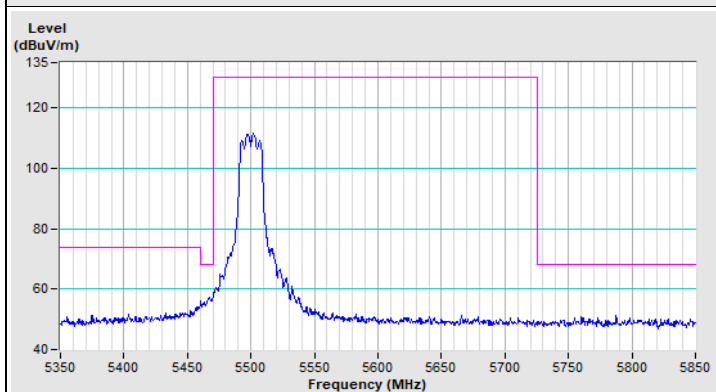
Vertical (Peak)



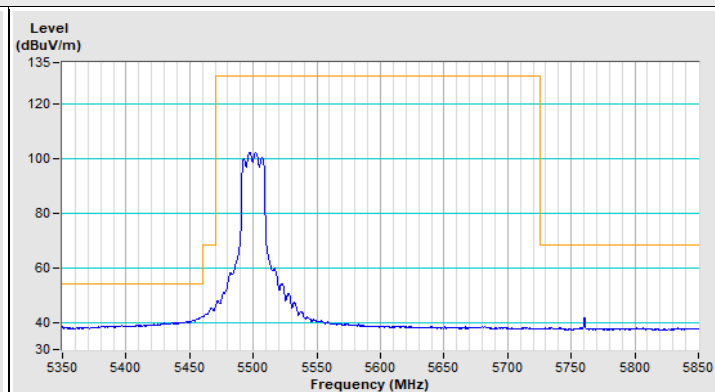
Vertical (Average)

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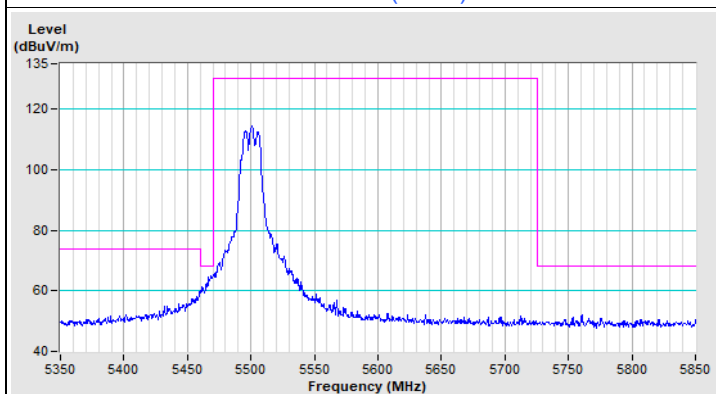
802.11a Channel 100



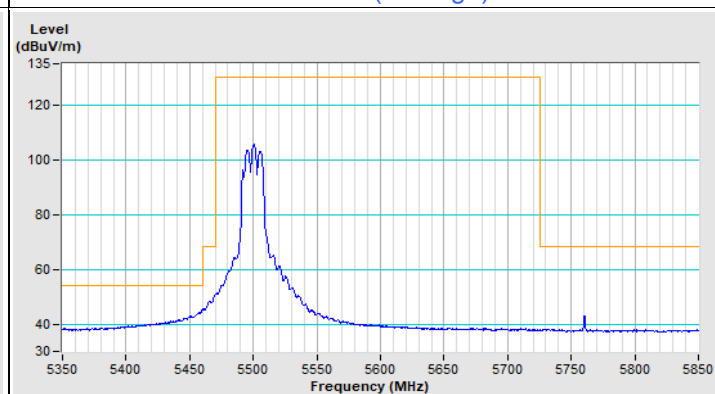
Horizontal (Peak)



Horizontal (Average)

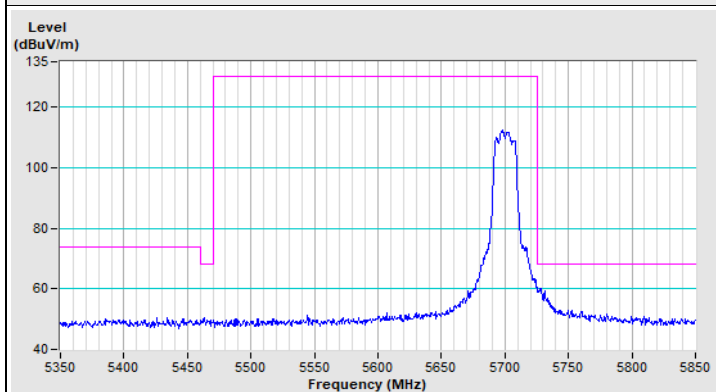


Vertical (Peak)

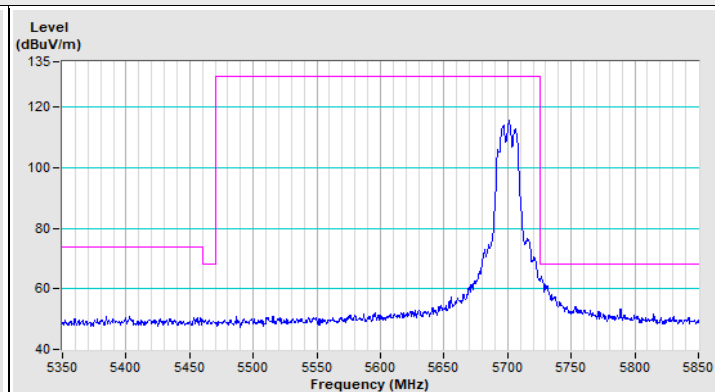


Vertical (Average)

802.11a Channel 140



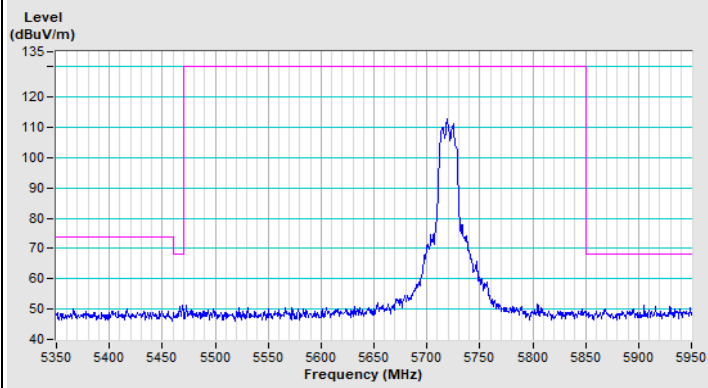
Horizontal (Peak)



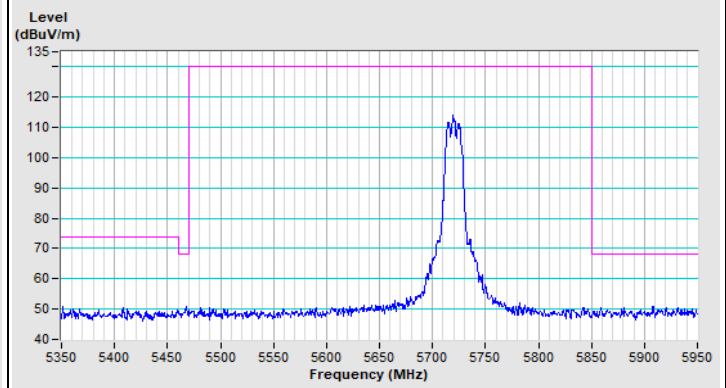
Vertical (Peak)



802.11a Channel 144



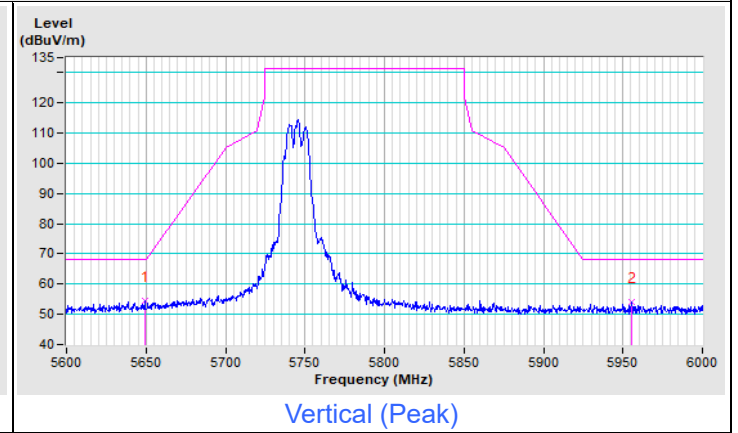
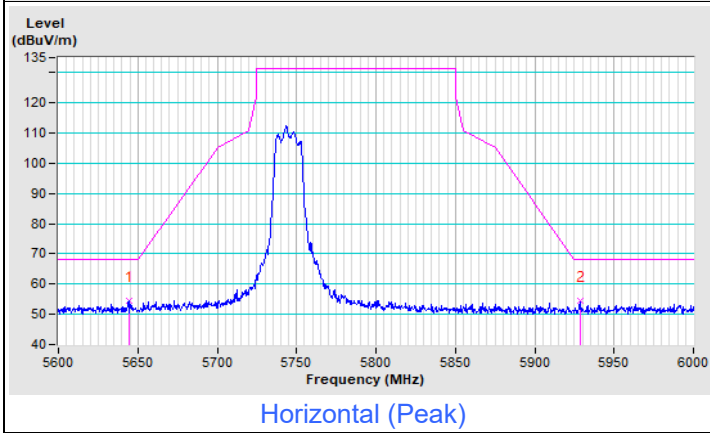
Horizontal (Peak)



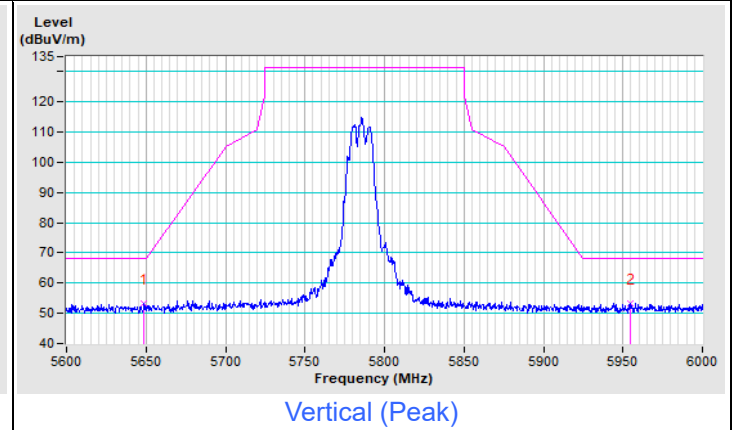
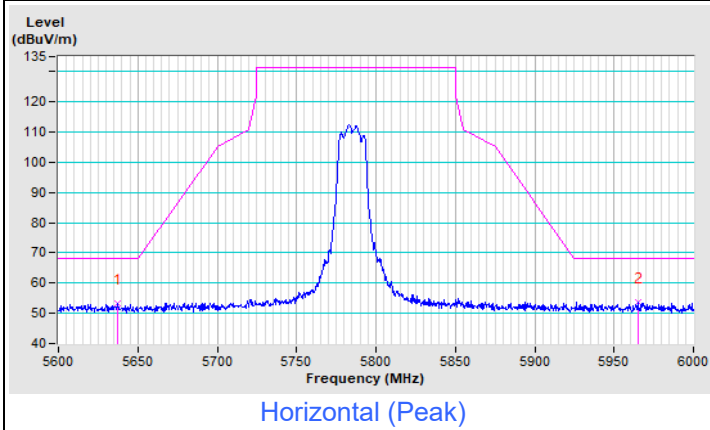
Vertical (Peak)

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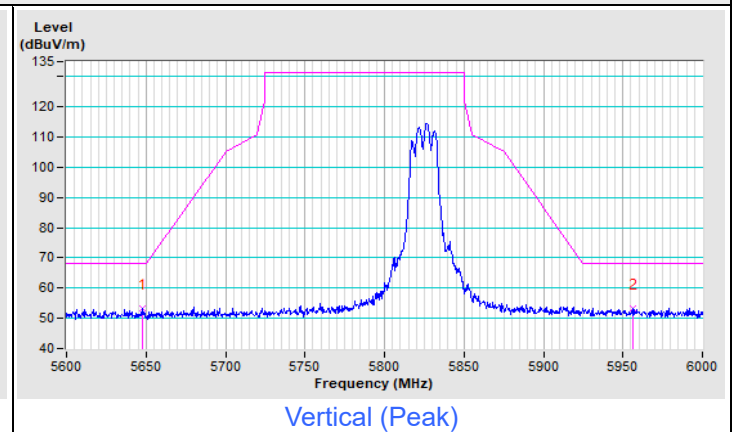
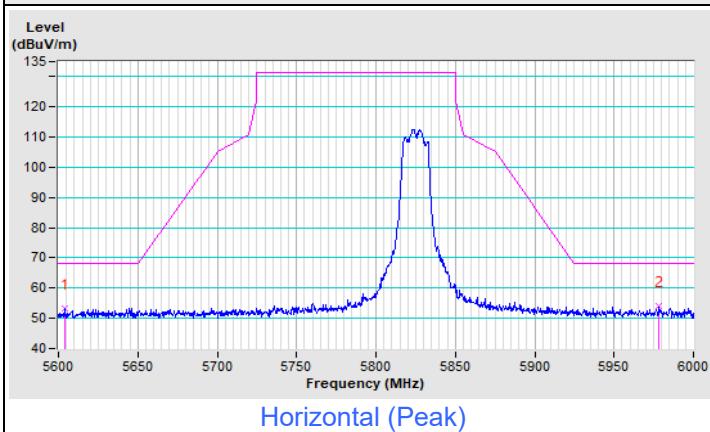
802.11a Channel 149



802.11a Channel 157

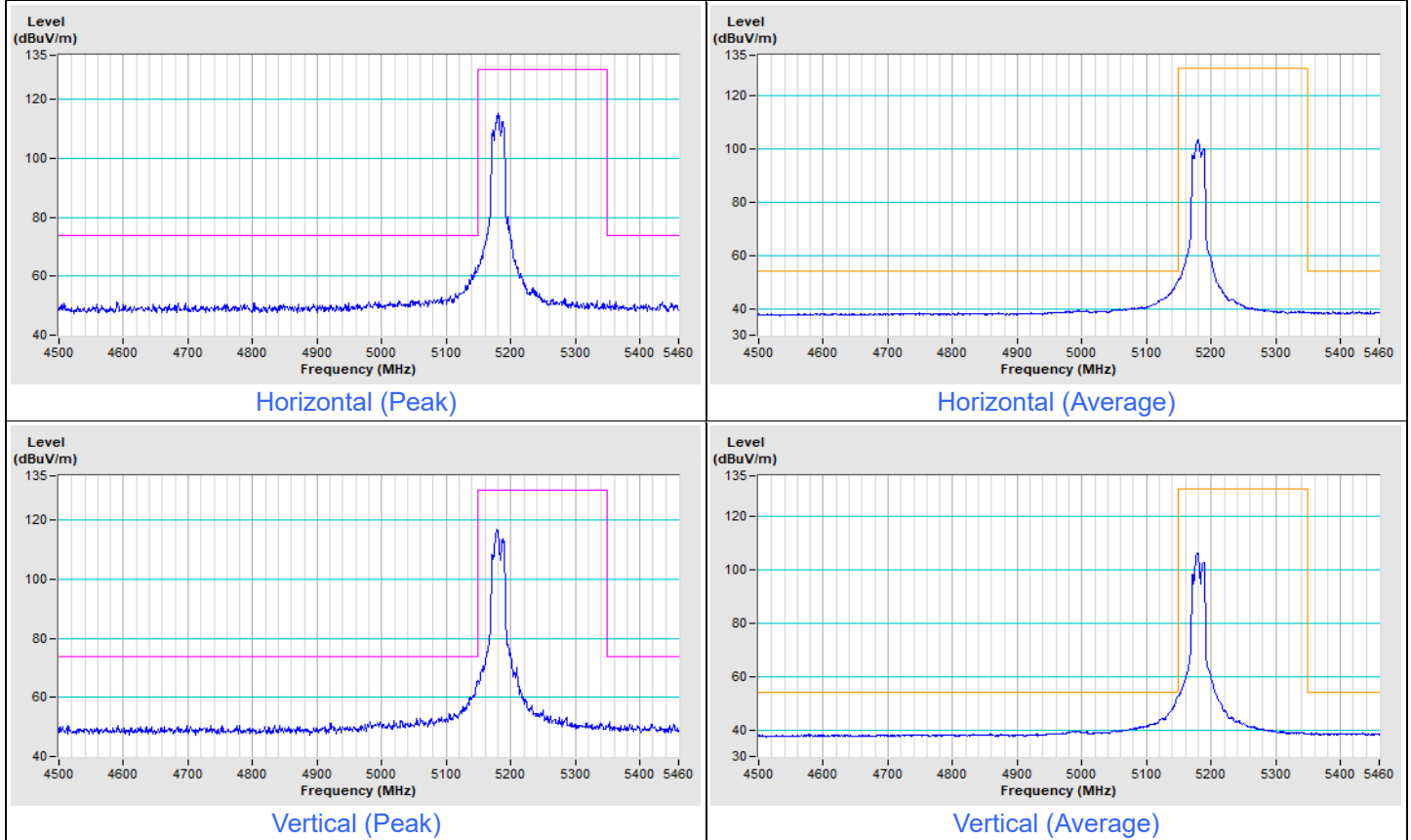


802.11a Channel 165

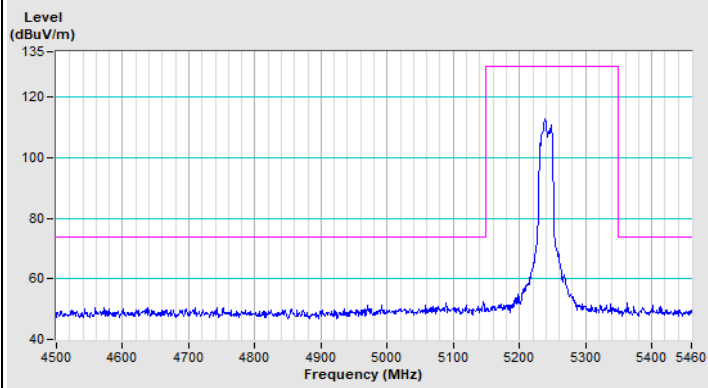


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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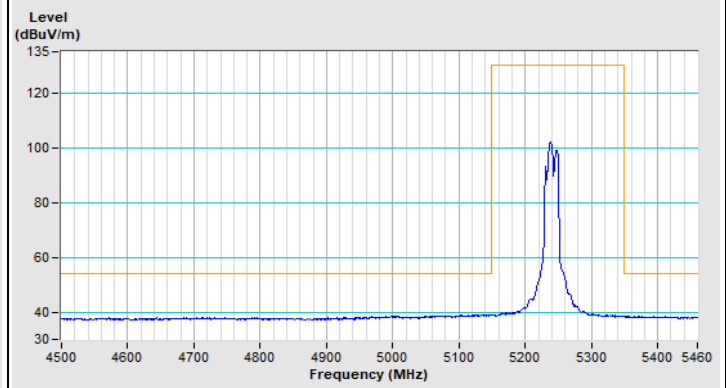
802.11ax (HE20) Full RU Channel 36



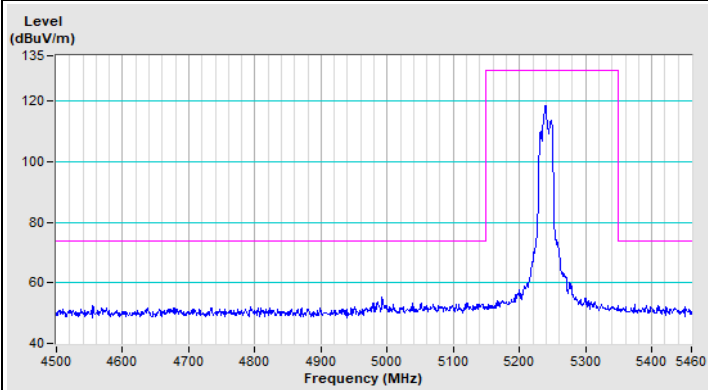
802.11ax (HE20) Full RU Channel 48



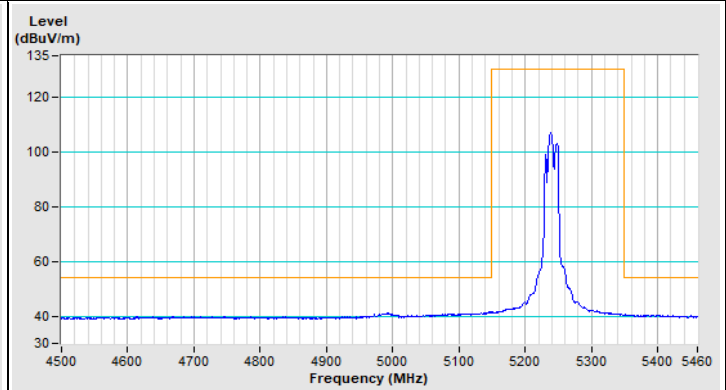
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

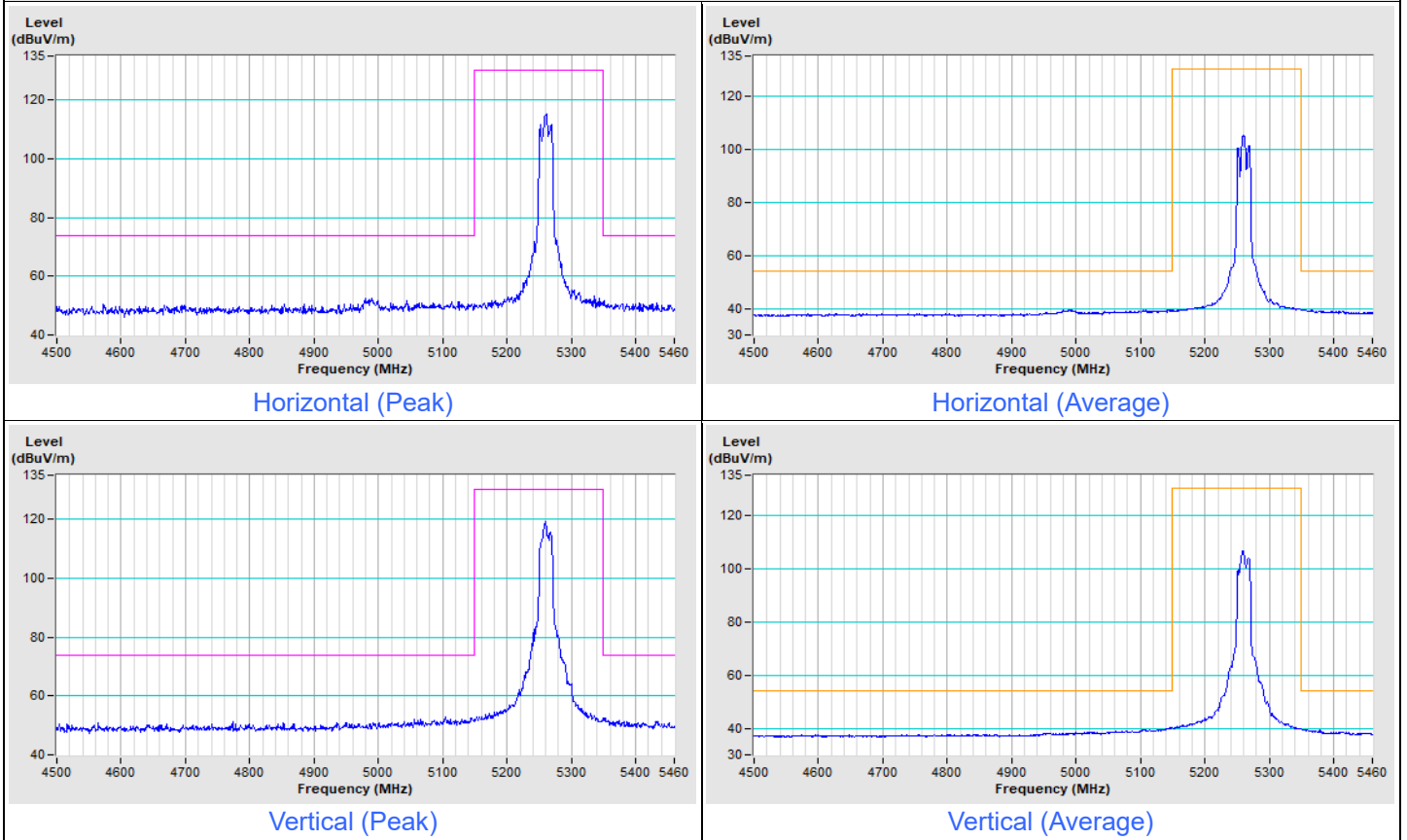


Vertical (Average)

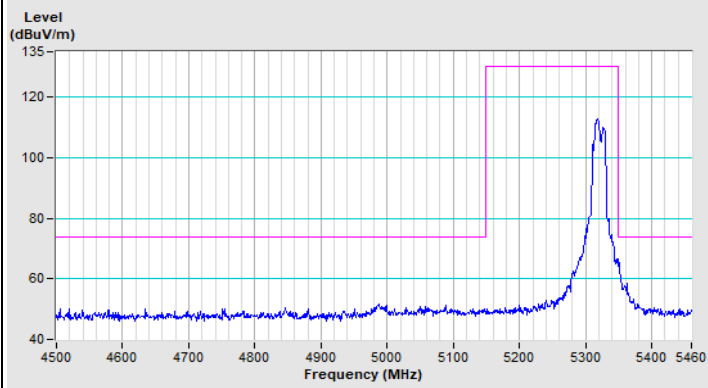


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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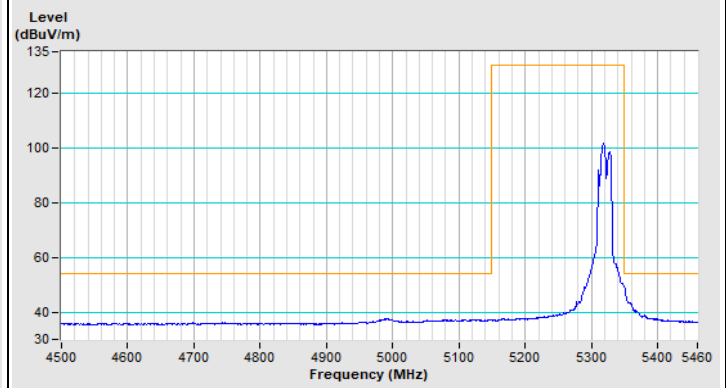
802.11ax (HE20) Channel 52



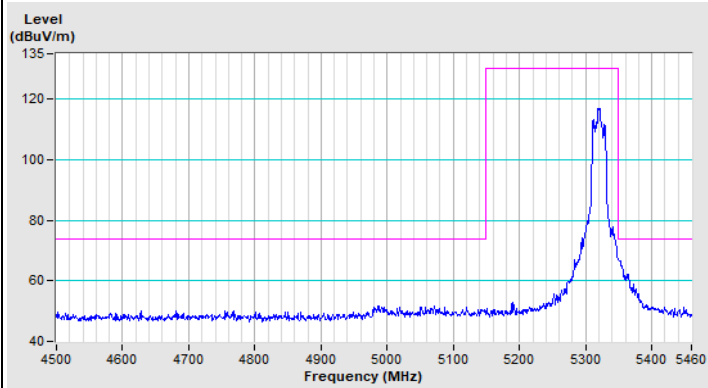
802.11ax (HE20) Channel 64



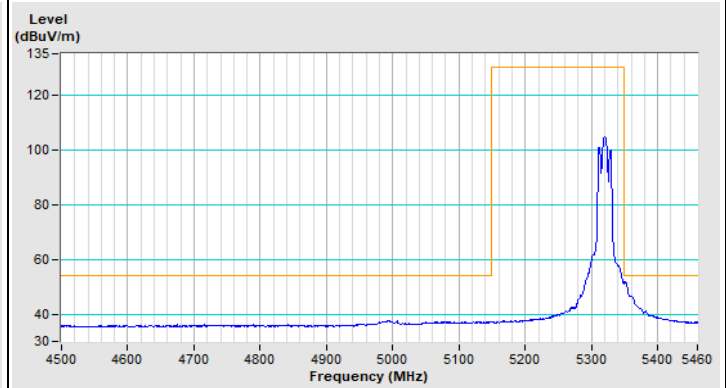
Horizontal (Peak)



Horizontal (Average)



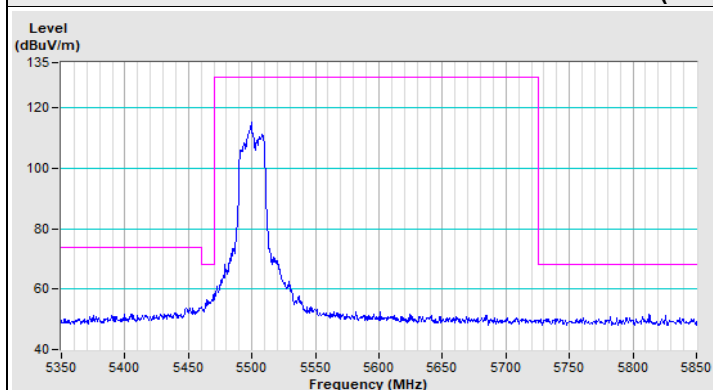
Vertical (Peak)



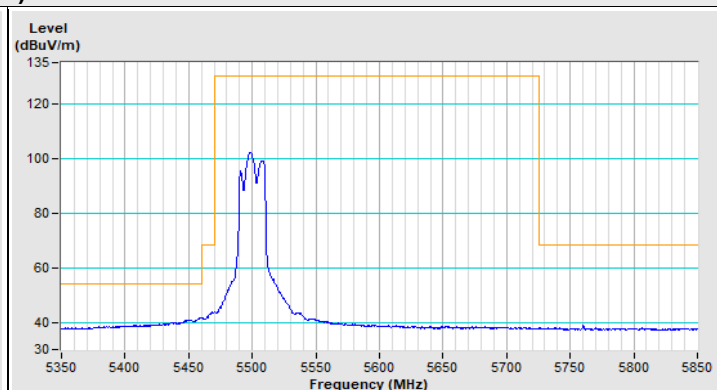
Vertical (Average)

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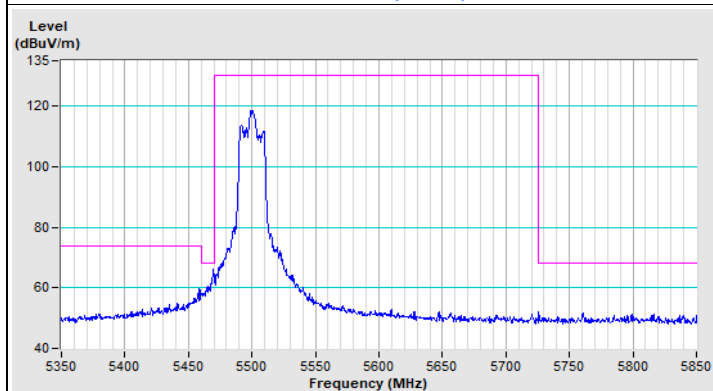
802.11ax (HE20) Channel 100



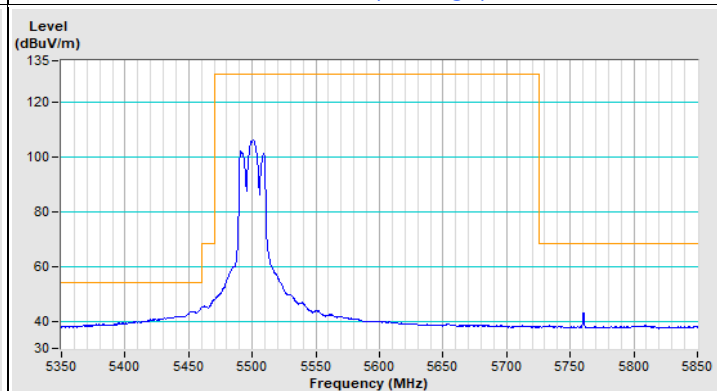
Horizontal (Peak)



Horizontal (Average)

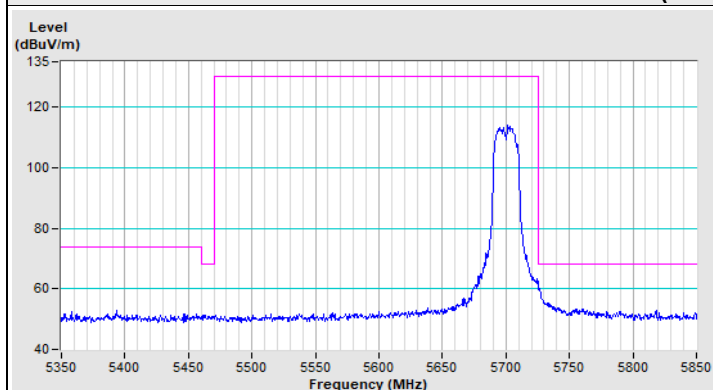


Vertical (Peak)

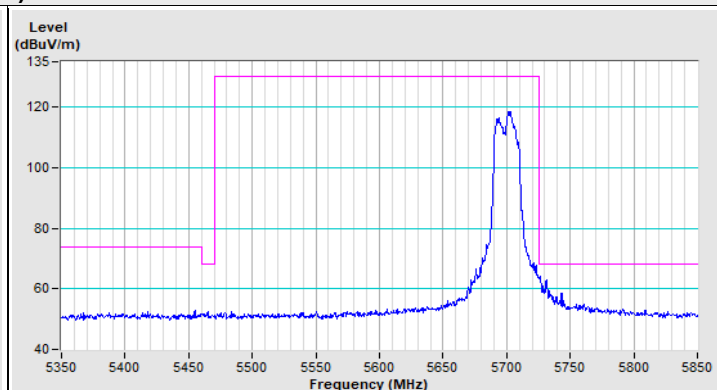


Vertical (Average)

802.11ax (HE20) Channel 140

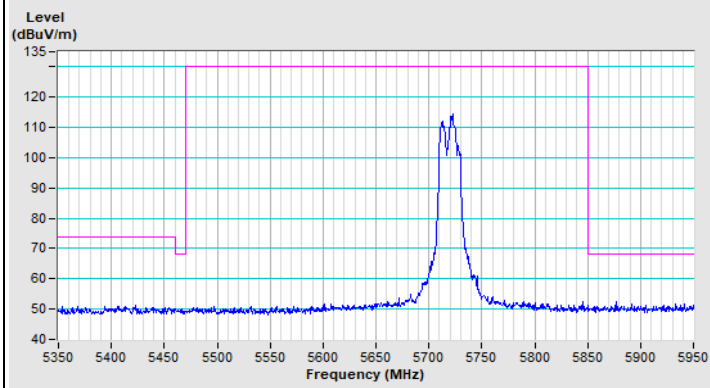


Horizontal (Peak)

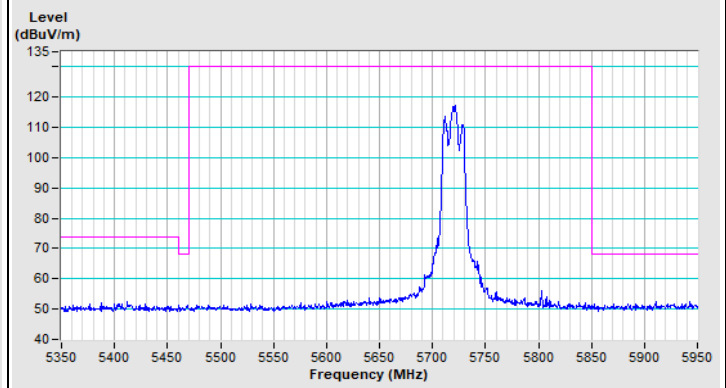


Vertical (Peak)

802.11ax (HE20) Channel 144



Horizontal (Peak)

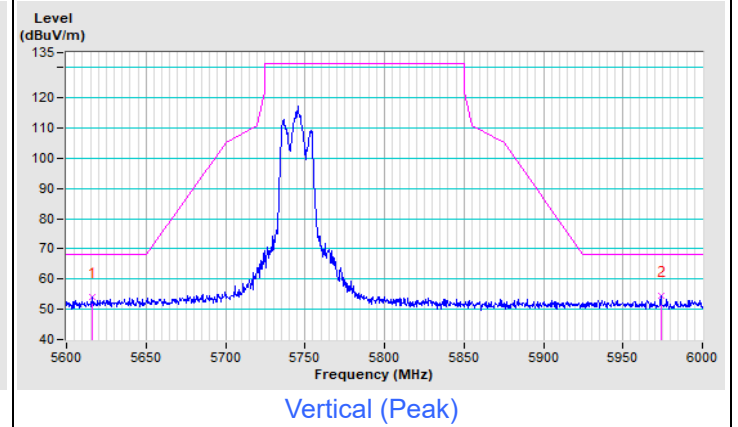
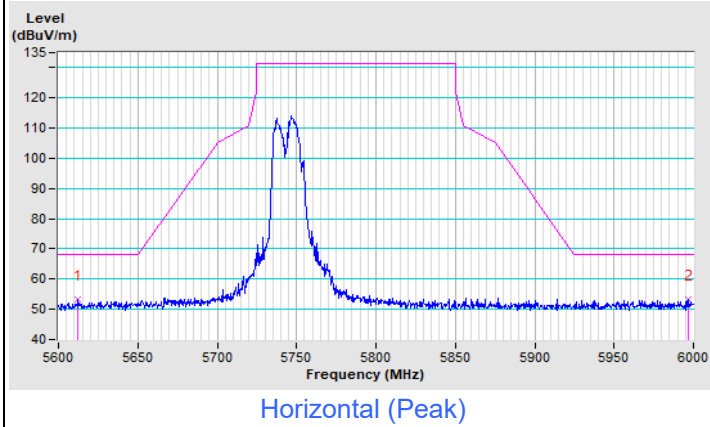


Vertical (Peak)

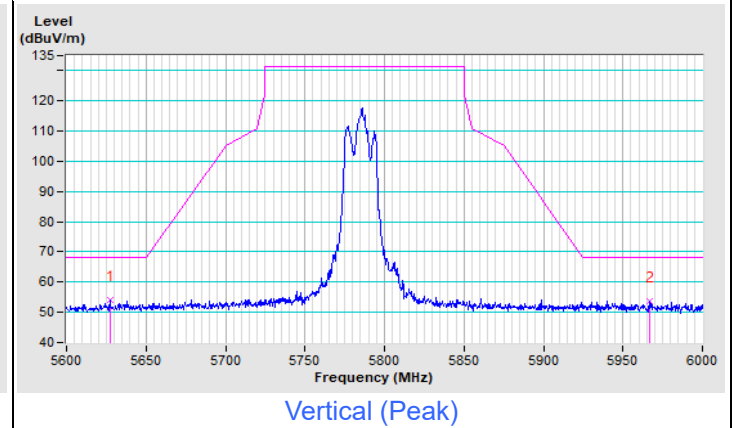
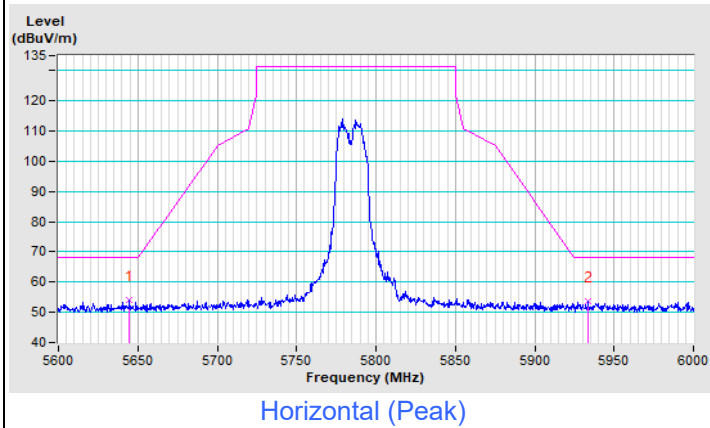


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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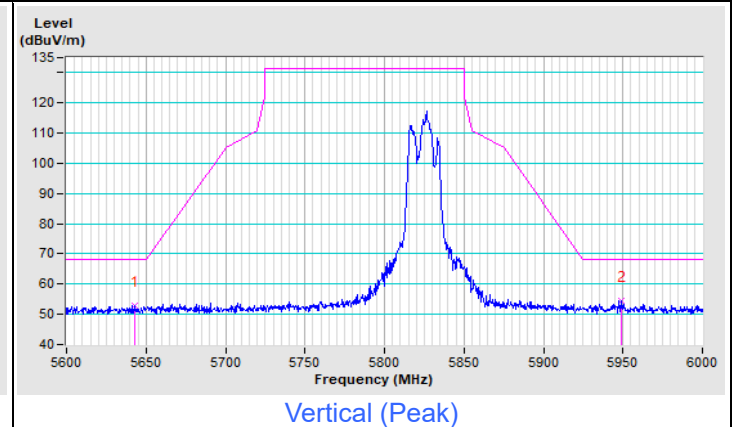
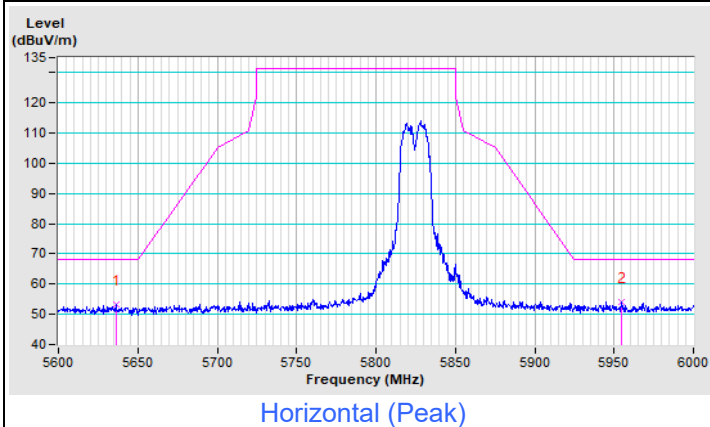
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

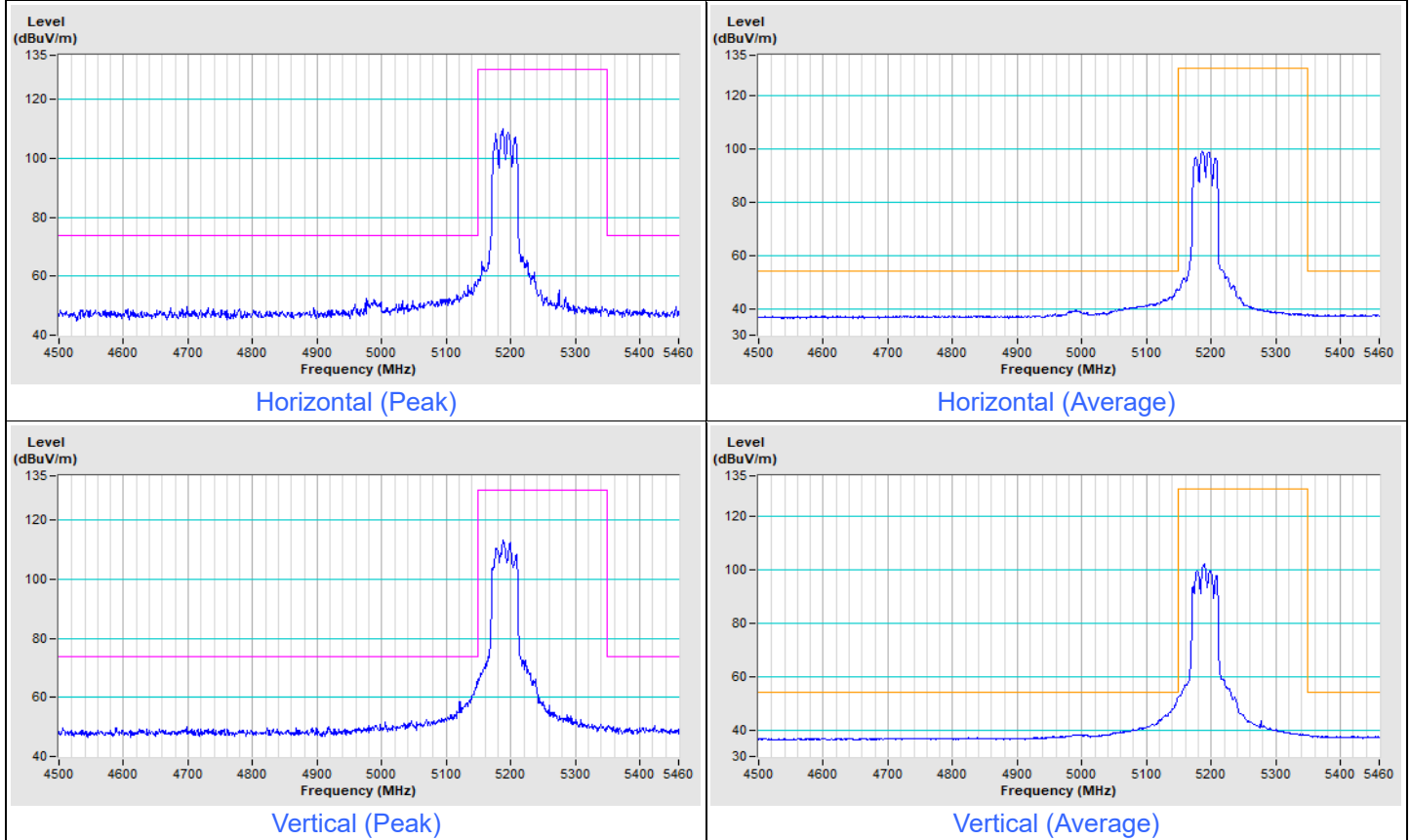


802.11ax (HE20) Channel 165

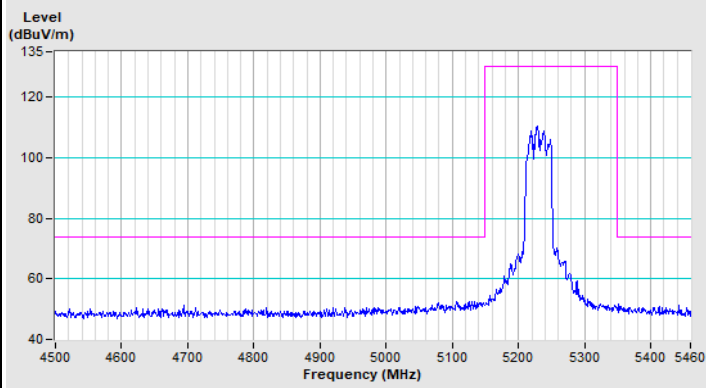


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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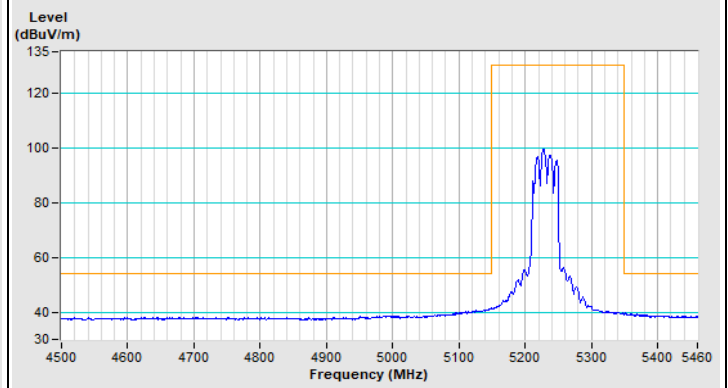
802.11ax (HE40) Full RU Channel 38



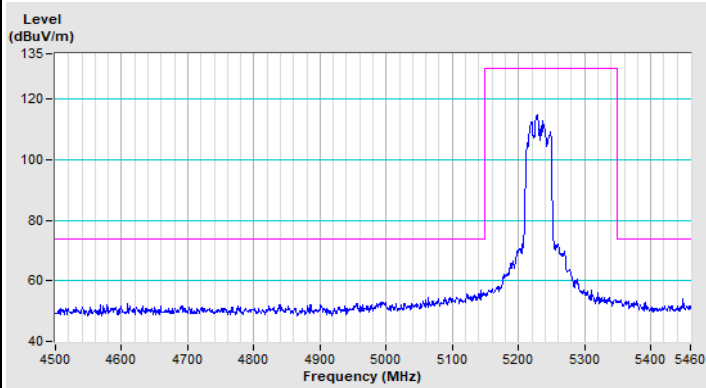
802.11ax (HE40) Full RU Channel 46



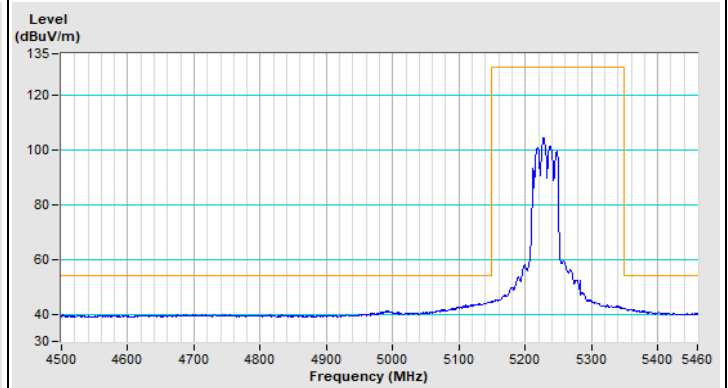
Horizontal (Peak)



Horizontal (Average)



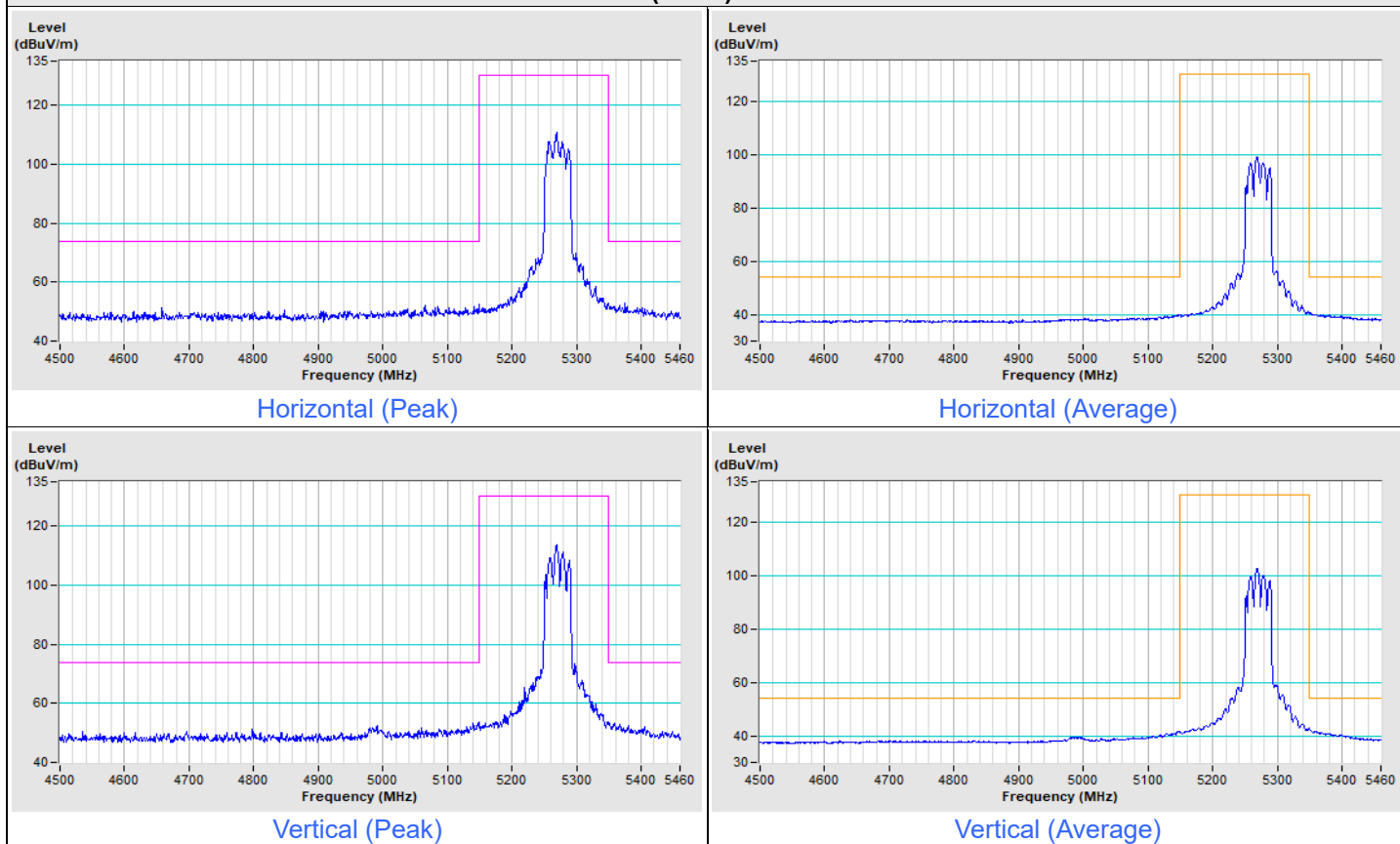
Vertical (Peak)



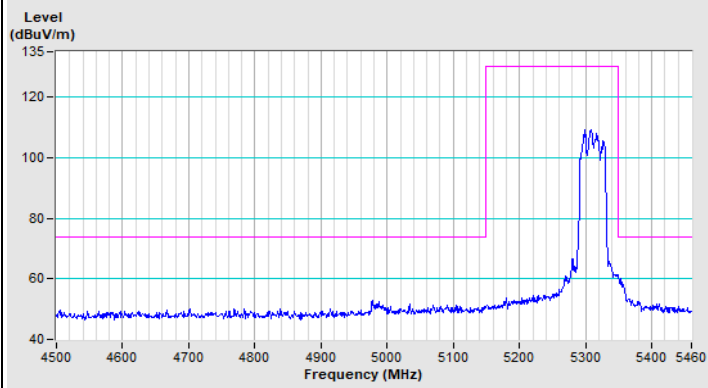
Vertical (Average)

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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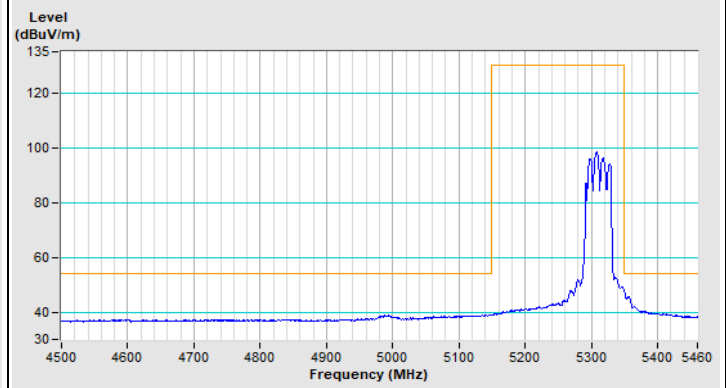
802.11ax (HE40) Channel 54



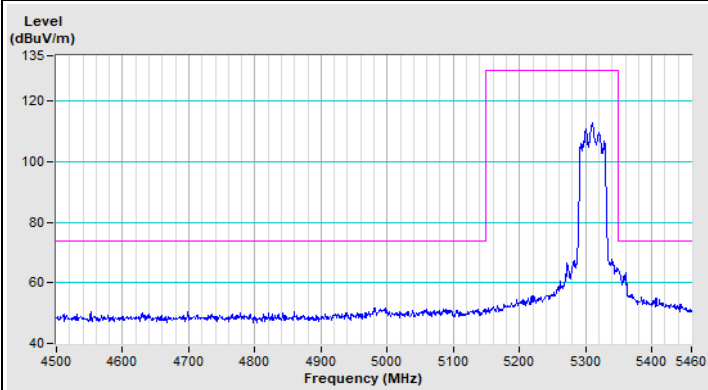
802.11ax (HE40) Channel 62



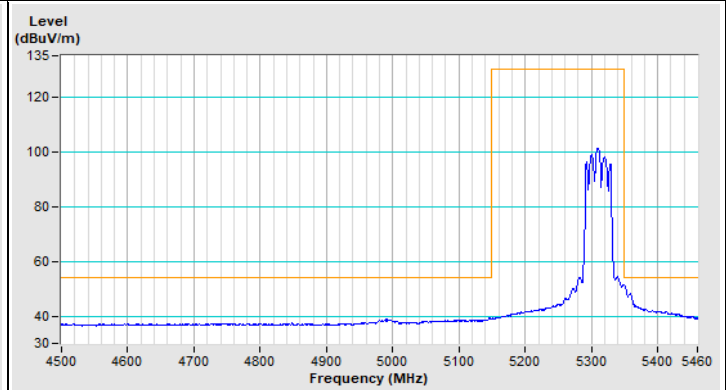
Horizontal (Peak)



Horizontal (Average)



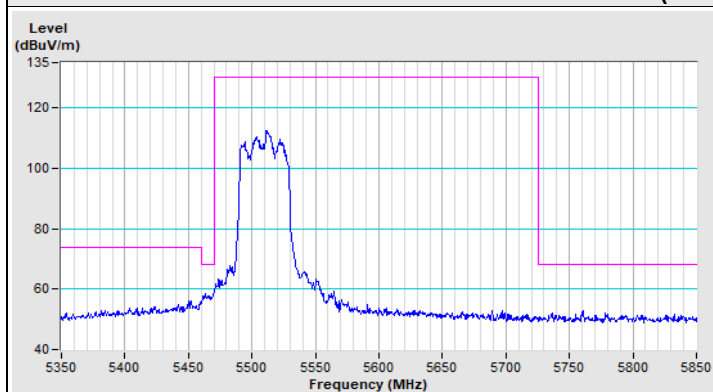
Vertical (Peak)



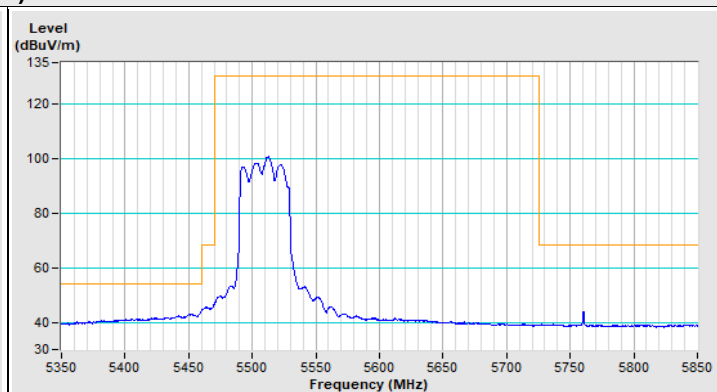
Vertical (Average)

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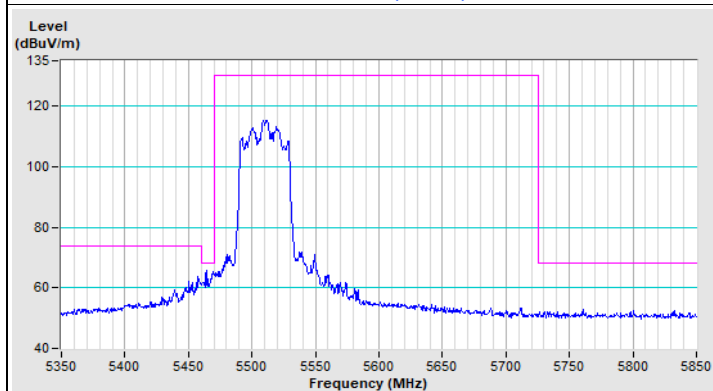
802.11ax (HE40) Channel 102



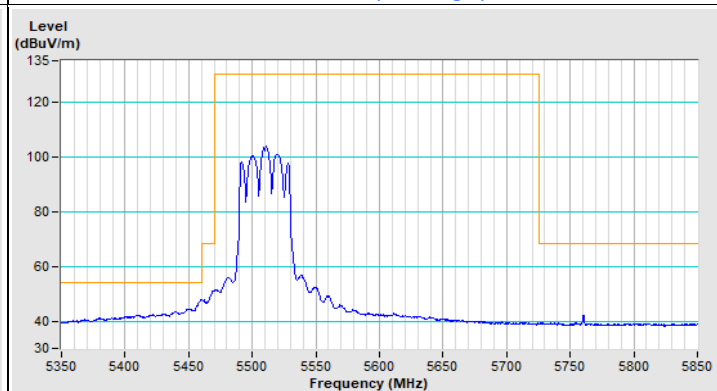
Horizontal (Peak)



Horizontal (Average)

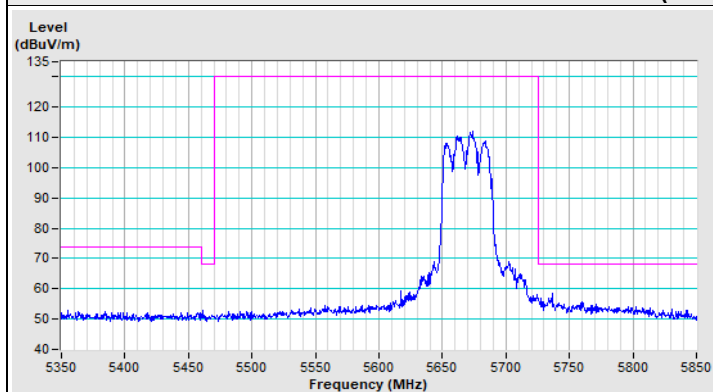


Vertical (Peak)

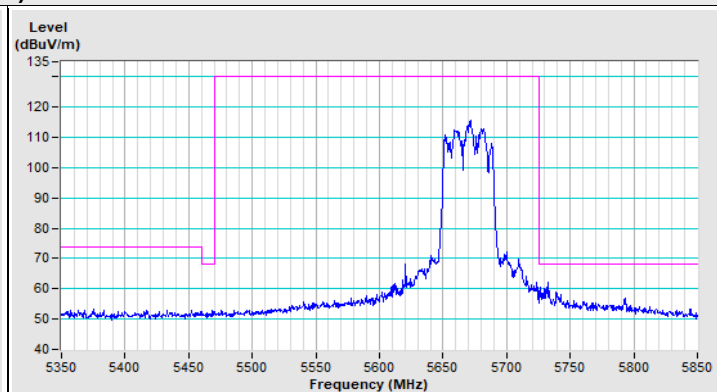


Vertical (Average)

802.11ax (HE40) Channel 134

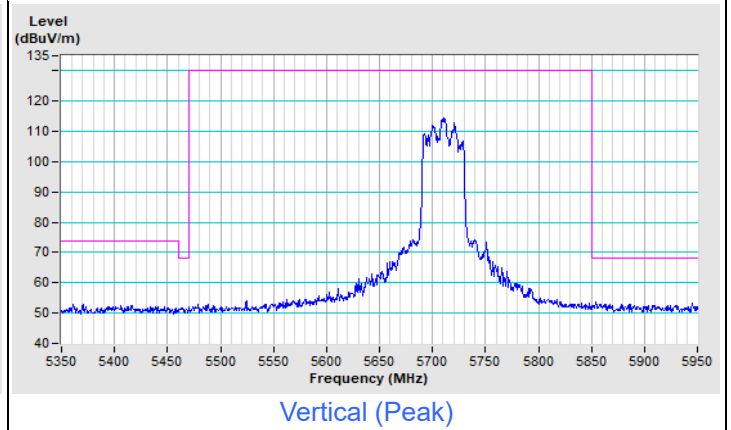
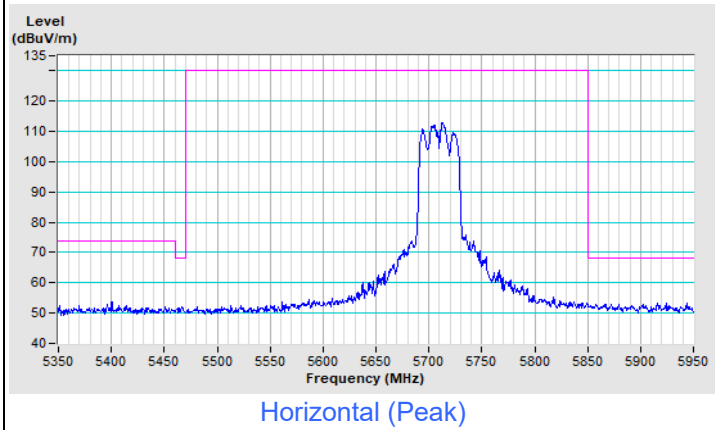


Horizontal (Peak)



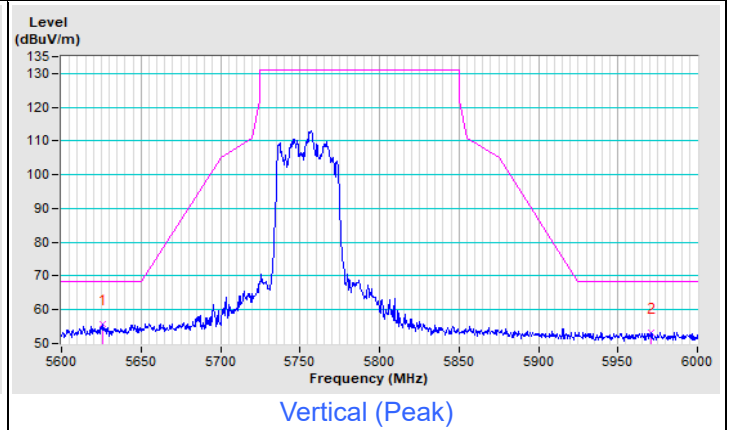
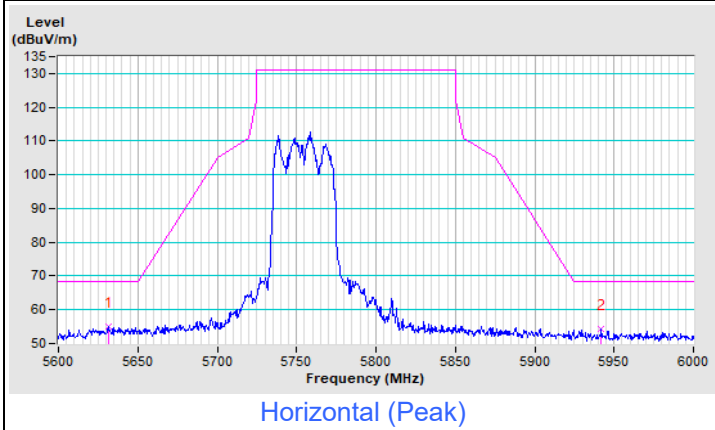
Vertical (Peak)

802.11ax (HE40) Channel 142

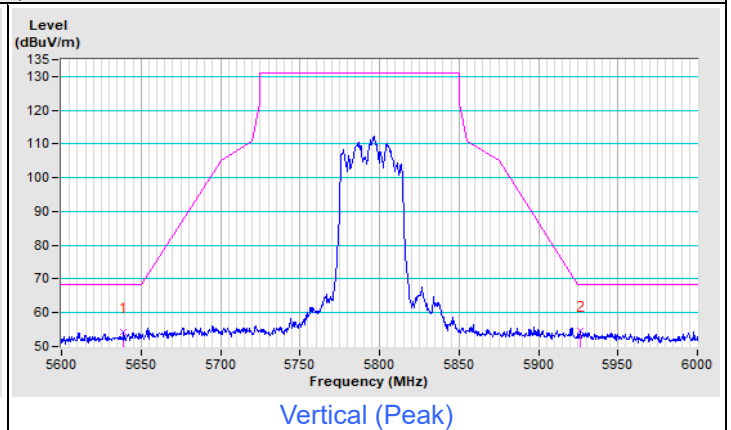
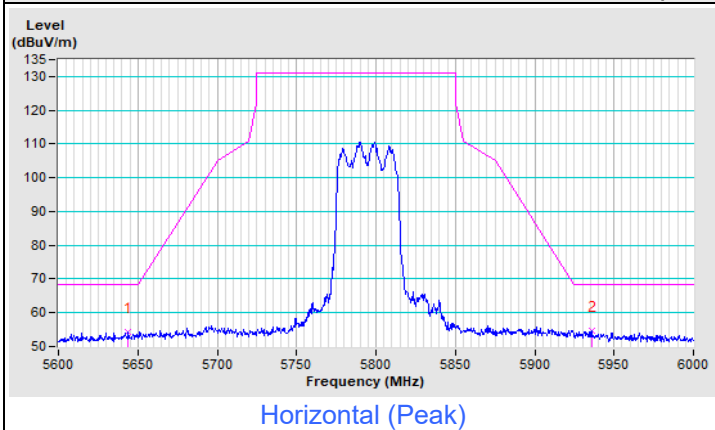


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

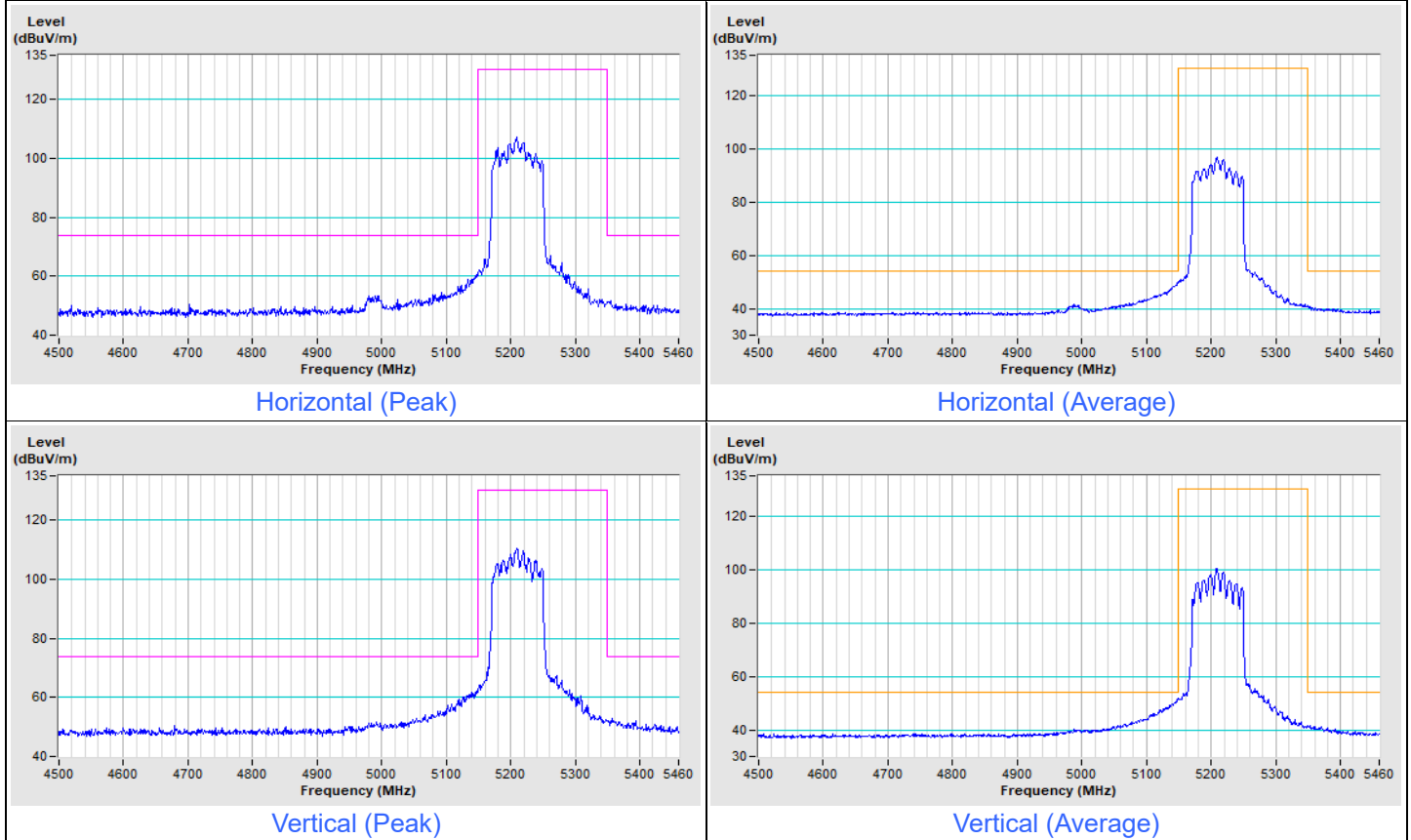


802.11ax (HE40) Channel 159



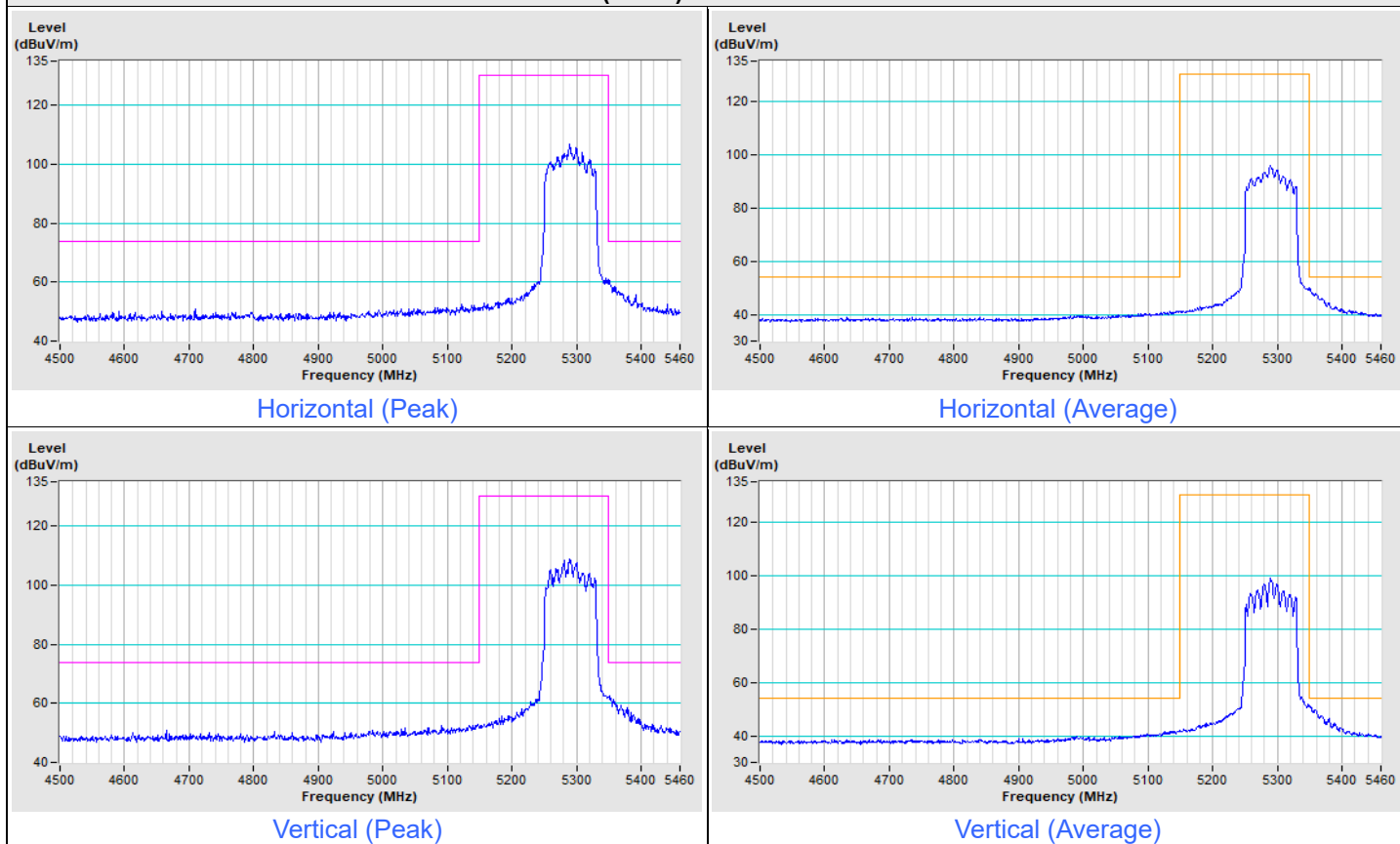
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 42



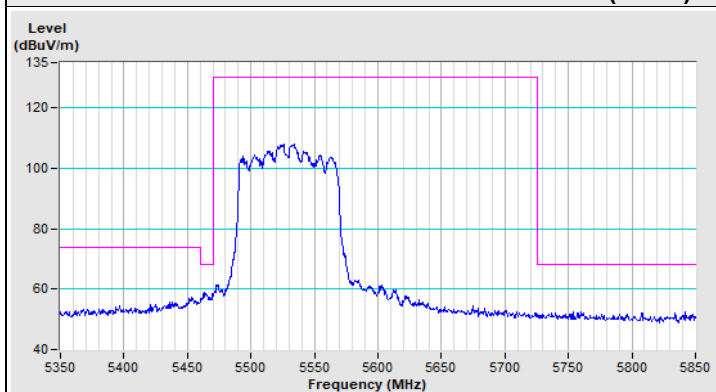
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 58

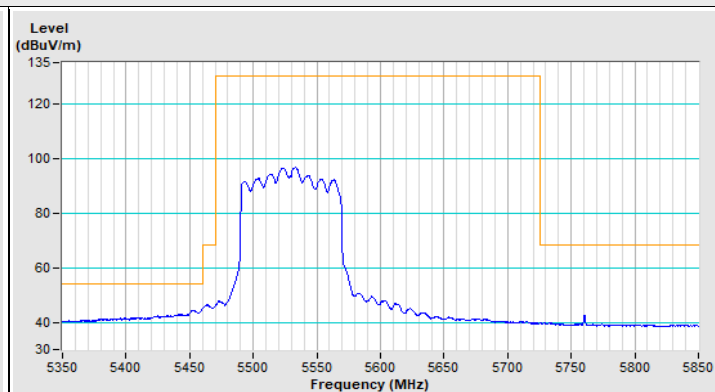


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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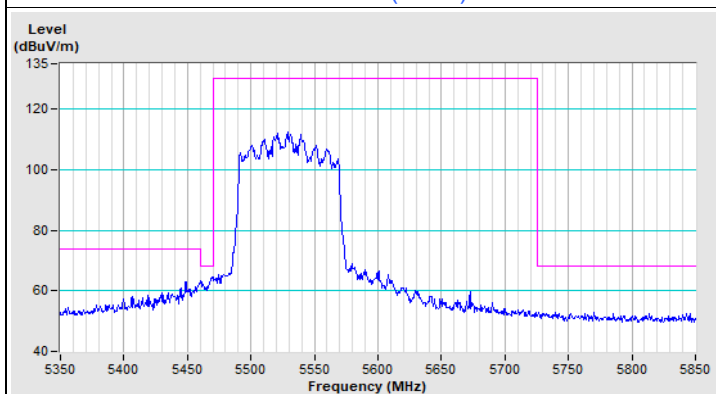
802.11ax (HE80) Full RU Channel 106



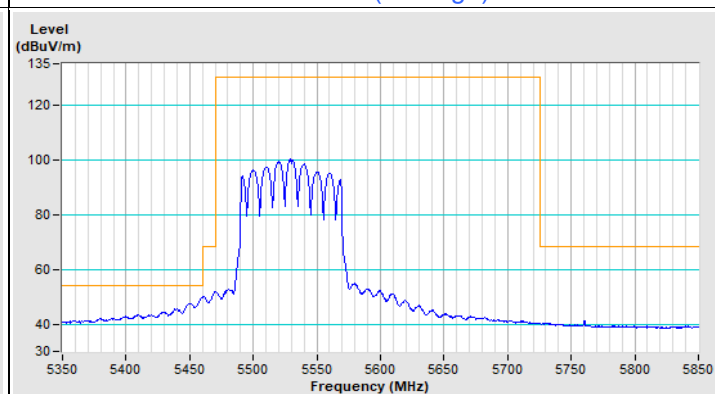
Horizontal (Peak)



Horizontal (Average)

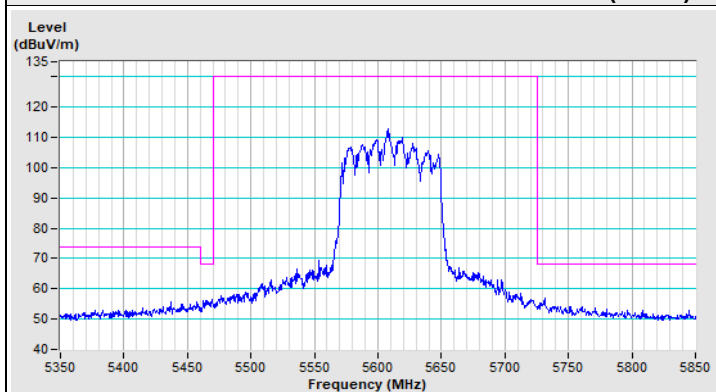


Vertical (Peak)

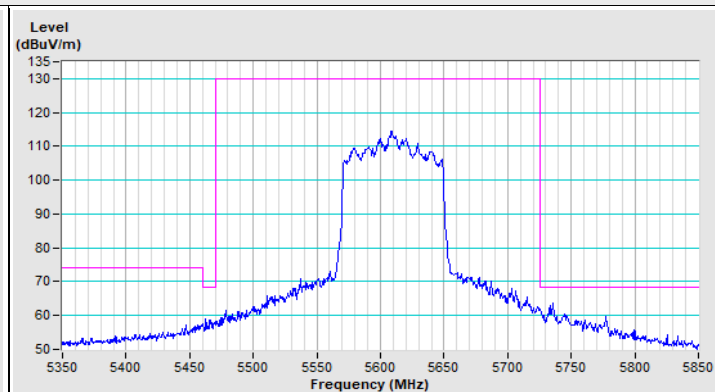


Vertical (Average)

802.11ax (HE80) Full RU Channel 122

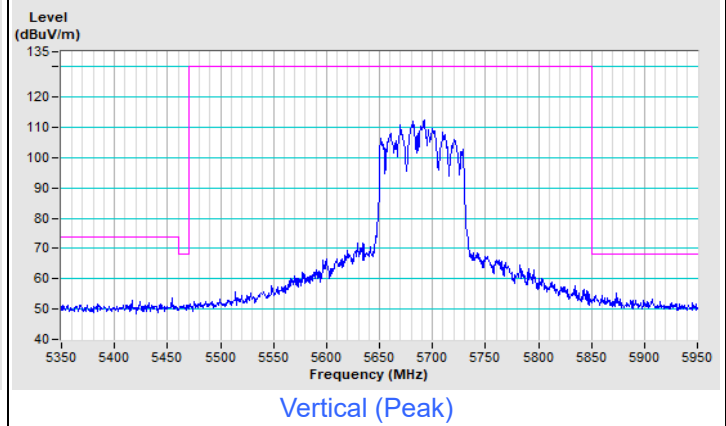
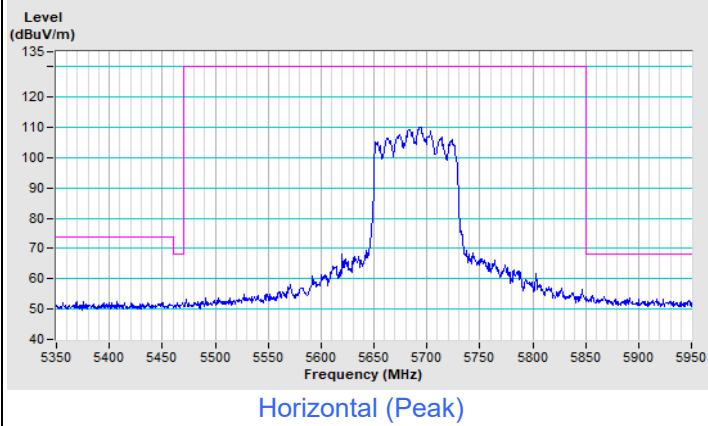


Horizontal (Peak)



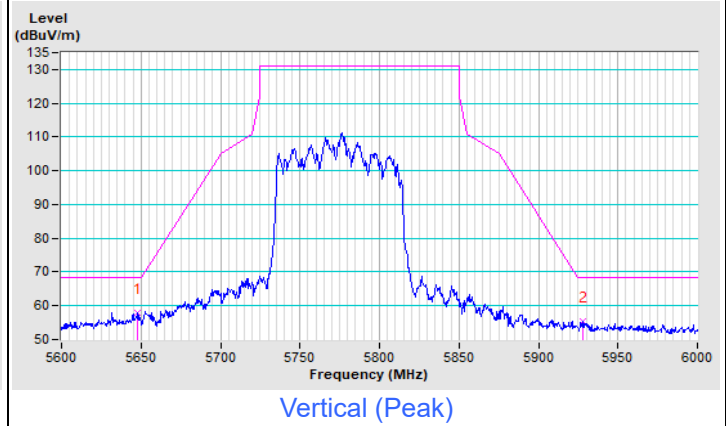
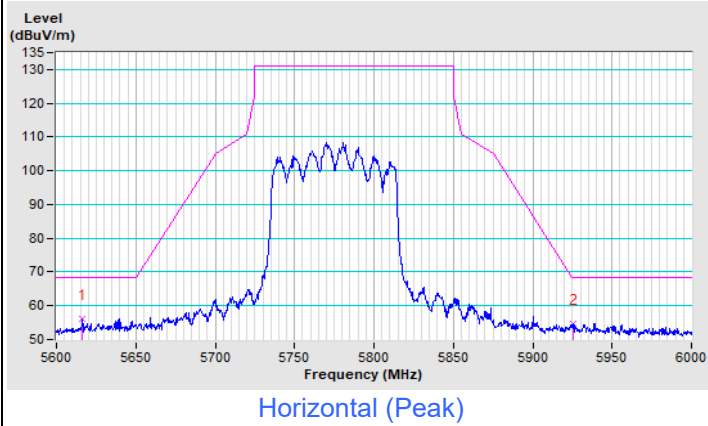
Vertical (Peak)

802.11ax (HE80) Full RU Channel 138



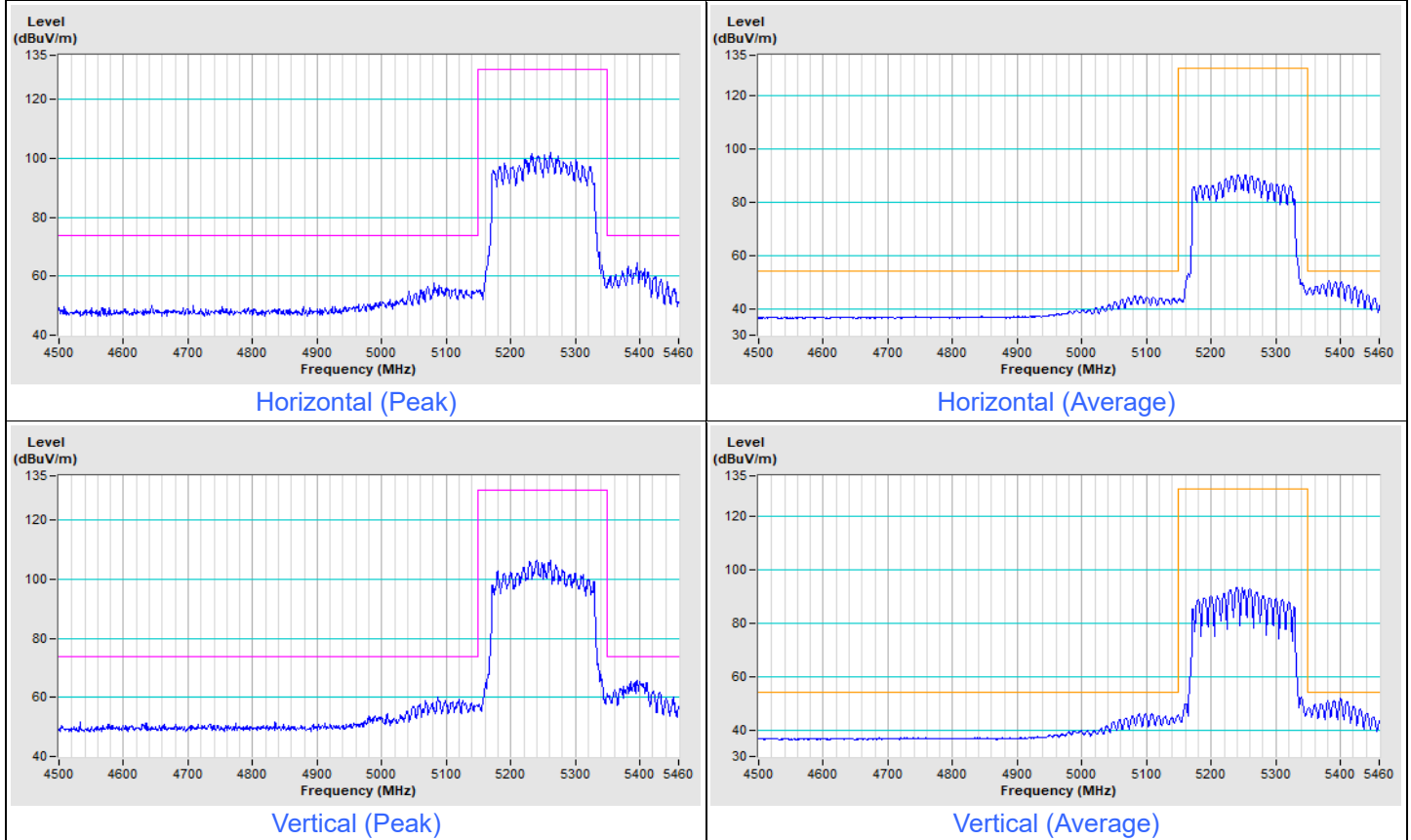
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Full RU Channel 155



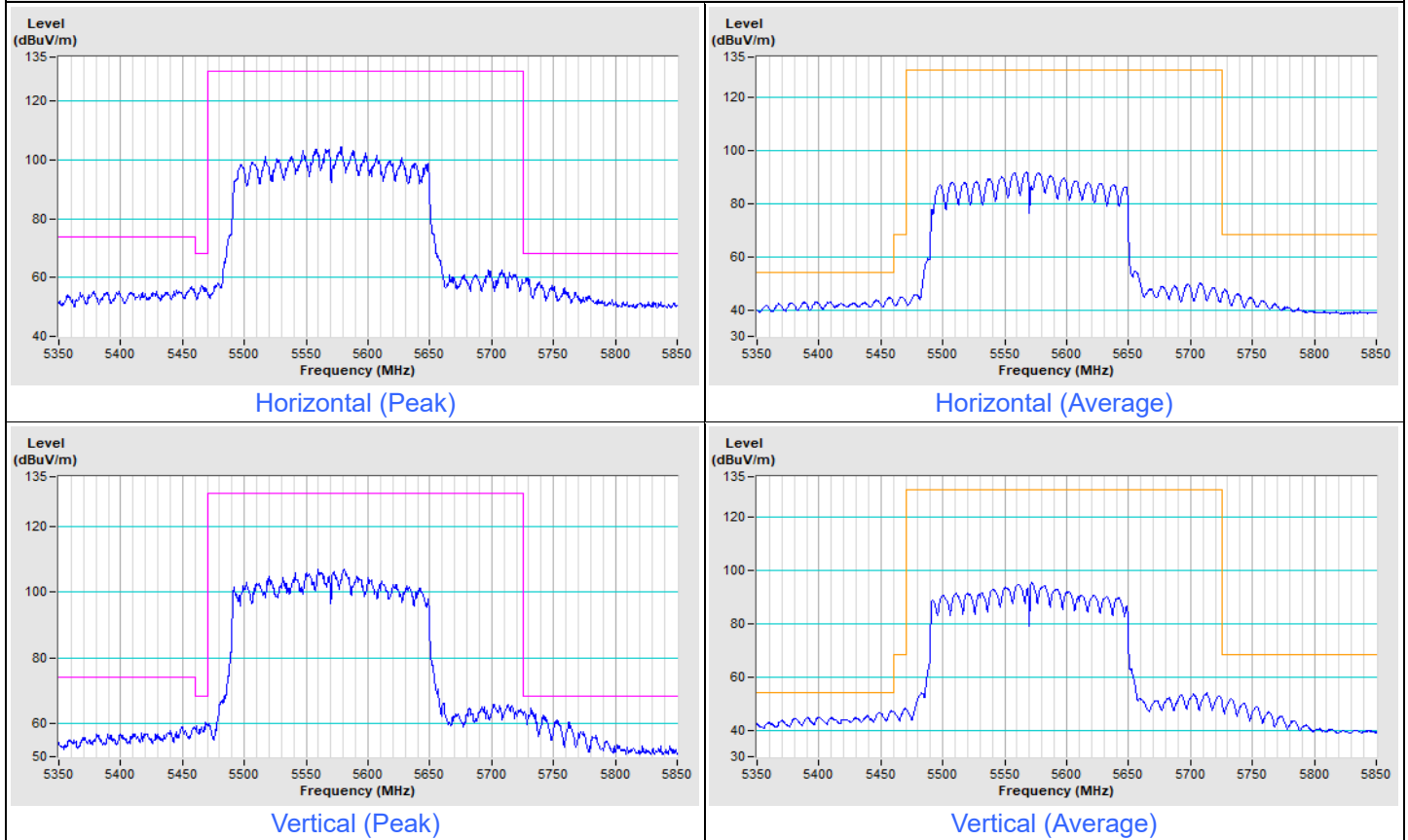
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE160) Full RU Channel 50



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) Full RU Channel 114



Mode B

RF Mode	802.11ax (HE160) Full RU	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	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.8 PK	74.0	-17.2	1.55 H	128	51.6	5.2
2	5150.00	44.3 AV	54.0	-9.7	1.55 H	128	39.1	5.2
3	*5250.00	102.4 PK			1.54 H	125	63.3	39.1
4	*5250.00	91.9 AV			1.54 H	125	52.8	39.1
5	5379.00	57.8 PK	74.0	-16.2	1.50 H	138	52.9	4.9
6	5379.00	45.2 AV	54.0	-8.8	1.50 H	138	40.3	4.9
7	#10500.00	48.9 PK	68.2	-19.3	1.66 H	217	32.3	16.6
8	15750.00	48.0 PK	74.0	-26.0	1.77 H	235	32.3	15.7
9	15750.00	35.9 AV	54.0	-18.1	1.77 H	235	20.2	15.7

Antenna Polarity & Test Distance : Vertical at 3 m

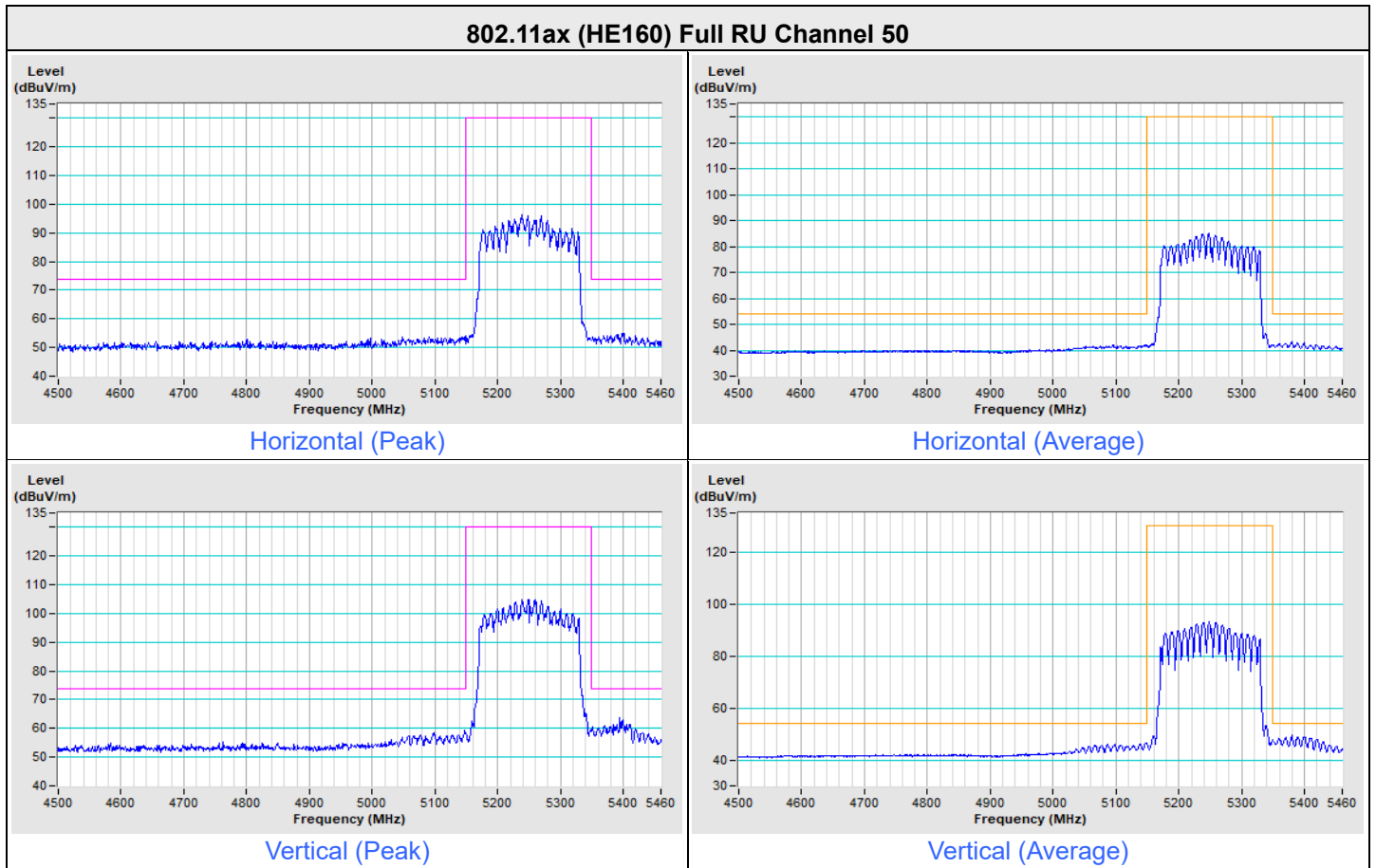
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.97 V	170	53.7	5.2
2	5150.00	46.6 AV	54.0	-7.4	1.97 V	170	41.4	5.2
3	*5250.00	107.5 PK			1.98 V	165	68.4	39.1
4	*5250.00	94.9 AV			1.98 V	165	55.8	39.1
5	5379.10	63.7 PK	74.0	-10.3	2.21 V	185	58.8	4.9
6	5379.10	48.8 AV	54.0	-5.2	2.21 V	185	43.9	4.9
7	#10500.00	49.4 PK	68.2	-18.8	2.02 V	188	32.8	16.6
8	15750.00	48.8 PK	74.0	-25.2	1.22 V	228	33.1	15.7
9	15750.00	36.5 AV	54.0	-17.5	1.22 V	228	20.8	15.7

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.

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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Partial RU

Mode A

RF Mode	20 MHz Preamble 802.11ax (RU26)	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	61.5 PK	74.0	-12.5	1.67 H	154	56.3	5.2
2	5150.00	39.5 AV	54.0	-14.5	1.67 H	154	34.3	5.2
3	*5180.00	119.2 PK			1.60 H	170	79.8	39.4
4	*5180.00	106.2 AV			1.60 H	170	66.8	39.4
5	#10360.00	57.0 PK	68.2	-11.2	1.26 H	199	40.4	16.6
6	15540.00	65.6 PK	74.0	-8.4	1.39 H	238	48.7	16.9
7	15540.00	45.8 AV	54.0	-8.2	1.39 H	238	28.9	16.9

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	71.2 PK	74.0	-2.8	2.01 V	231	66.0	5.2
2	5150.00	43.0 AV	54.0	-11.0	2.01 V	231	37.8	5.2
3	*5180.00	125.8 PK			2.05 V	165	86.4	39.4
4	*5180.00	113.3 AV			2.05 V	165	73.9	39.4
5	#10360.00	61.3 PK	68.2	-6.9	1.06 V	200	44.7	16.6
6	15540.00	67.6 PK	74.0	-6.4	1.24 V	222	50.7	16.9
7	15540.00	47.9 AV	54.0	-6.1	1.24 V	222	31.0	16.9

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU26)	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	118.3 PK			1.54 H	163	79.2	39.1
2	*5240.00	105.6 AV			1.54 H	163	66.5	39.1
3	5350.00	51.2 PK	74.0	-22.8	1.71 H	159	46.4	4.8
4	5350.00	38.0 AV	54.0	-16.0	1.71 H	159	33.2	4.8
5	#10480.00	54.5 PK	68.2	-13.7	1.29 H	202	37.8	16.7
6	15720.00	66.9 PK	74.0	-7.1	1.41 H	231	51.2	15.7
7	15720.00	47.5 AV	54.0	-6.5	1.41 H	231	31.8	15.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	125.2 PK			1.74 V	169	86.1	39.1
2	*5240.00	112.5 AV			1.74 V	169	73.4	39.1
3	5350.00	52.3 PK	74.0	-21.7	2.03 V	165	47.5	4.8
4	5350.00	39.7 AV	54.0	-14.3	2.03 V	165	34.9	4.8
5	#10480.00	57.4 PK	68.2	-10.8	1.01 V	205	40.7	16.7
6	15720.00	69.0 PK	74.0	-5.0	1.14 V	199	53.3	15.7
7	15720.00	49.6 AV	54.0	-4.4	1.14 V	199	33.9	15.7

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	20 MHz Preamble 802.11ax (RU26)	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	52.0 PK	74.0	-22.0	1.72 H	159	46.8	5.2
2	5150.00	39.1 AV	54.0	-14.9	1.72 H	159	33.9	5.2
3	*5260.00	118.2 PK			1.64 H	166	79.2	39.0
4	*5260.00	106.8 AV			1.64 H	166	67.8	39.0
5	#10360.00	53.3 PK	68.2	-14.9	1.22 H	195	36.7	16.6
6	15780.00	66.1 PK	74.0	-7.9	1.40 H	239	50.3	15.8
7	15780.00	48.1 AV	54.0	-5.9	1.40 H	239	32.3	15.8

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	52.1 PK	74.0	-21.9	1.92 V	172	46.9	5.2
2	5150.00	39.2 AV	54.0	-14.8	1.92 V	172	34.0	5.2
3	*5260.00	124.8 PK			2.00 V	164	85.8	39.0
4	*5260.00	113.5 AV			2.00 V	164	74.5	39.0
5	#10360.00	56.2 PK	68.2	-12.0	1.08 V	204	39.6	16.6
6	15780.00	68.1 PK	74.0	-5.9	1.08 V	219	52.3	15.8
7	15780.00	50.0 AV	54.0	-4.0	1.08 V	219	34.2	15.8

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	20 MHz Preamble 802.11ax (RU26)	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	116.1 PK			1.58 H	173	77.0	39.1
2	*5320.00	103.6 AV			1.58 H	173	64.5	39.1
3	5350.00	52.3 PK	74.0	-21.7	1.68 H	161	47.5	4.8
4	5350.00	38.6 AV	54.0	-15.4	1.68 H	161	33.8	4.8
5	10640.00	50.3 PK	74.0	-23.7	1.22 H	195	33.2	17.1
6	10640.00	37.5 AV	54.0	-16.5	1.22 H	195	20.4	17.1
7	15960.00	67.0 PK	74.0	-7.0	1.45 H	239	50.8	16.2
8	15960.00	47.6 AV	54.0	-6.4	1.45 H	239	31.4	16.2

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	123.2 PK			1.91 V	167	84.1	39.1
2	*5320.00	110.3 AV			1.91 V	167	71.2	39.1
3	5350.00	57.3 PK	74.0	-16.7	2.00 V	170	52.5	4.8
4	5350.00	40.1 AV	54.0	-13.9	2.00 V	170	35.3	4.8
5	10640.00	50.7 PK	74.0	-23.3	1.17 V	218	33.6	17.1
6	10640.00	37.8 AV	54.0	-16.2	1.17 V	218	20.7	17.1
7	15960.00	69.1 PK	74.0	-4.9	1.14 V	198	52.9	16.2
8	15960.00	49.7 AV	54.0	-4.3	1.14 V	198	33.5	16.2

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU26)	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	54.4 PK	74.0	-19.6	1.64 H	166	49.2	5.2
2	5460.00	40.4 AV	54.0	-13.6	1.64 H	166	35.2	5.2
3	#5470.00	63.4 PK	68.2	-4.8	1.60 H	165	58.2	5.2
4	*5500.00	116.9 PK			1.55 H	177	77.2	39.7
5	*5500.00	105.6 AV			1.55 H	177	65.9	39.7
6	11000.00	50.4 PK	74.0	-23.6	1.22 H	205	32.7	17.7
7	11000.00	37.7 AV	54.0	-16.3	1.22 H	205	20.0	17.7
8	#16500.00	59.6 PK	68.2	-8.6	1.37 H	232	41.8	17.8

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	58.4 PK	74.0	-15.6	1.99 V	165	53.2	5.2
2	5460.00	41.1 AV	54.0	-12.9	1.99 V	165	35.9	5.2
3	#5470.00	65.8 PK	68.2	-2.4	2.05 V	161	60.6	5.2
4	*5500.00	123.8 PK			2.07 V	162	84.1	39.7
5	*5500.00	112.0 AV			2.07 V	162	72.3	39.7
6	11000.00	50.6 PK	74.0	-23.4	1.15 V	205	32.9	17.7
7	11000.00	37.9 AV	54.0	-16.1	1.15 V	205	20.2	17.7
8	#16500.00	61.8 PK	68.2	-6.4	1.09 V	233	44.0	17.8

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU26)	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	117.6 PK			1.61 H	174	77.5	40.1
2	*5700.00	104.5 AV			1.61 H	174	64.4	40.1
3	#5725.00	55.5 PK	68.2	-12.7	1.58 H	160	49.9	5.6
4	11400.00	49.4 PK	74.0	-24.6	1.28 H	209	32.0	17.4
5	11400.00	36.7 AV	54.0	-17.3	1.28 H	209	19.3	17.4
6	#17100.00	56.3 PK	68.2	-11.9	1.37 H	236	34.8	21.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	124.1 PK			1.86 V	170	84.0	40.1
2	*5700.00	111.1 AV			1.86 V	170	71.0	40.1
3	#5725.00	65.7 PK	68.2	-2.5	1.90 V	165	60.1	5.6
4	11400.00	49.6 PK	74.0	-24.4	1.20 V	203	32.2	17.4
5	11400.00	36.9 AV	54.0	-17.1	1.20 V	203	19.5	17.4
6	#17100.00	58.2 PK	68.2	-10.0	1.10 V	221	36.7	21.5

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	20 MHz Preamble 802.11ax (RU26)	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	51.5 PK	68.2	-16.7	1.66 H	165	46.3	5.2
2	*5720.00	120.5 PK			1.57 H	166	80.5	40.0
3	*5720.00	108.0 AV			1.57 H	166	68.0	40.0
4	#5850.00	58.1 PK	68.2	-10.1	1.57 H	159	52.5	5.6
5	11440.00	51.0 PK	74.0	-23.0	1.21 H	208	33.7	17.3
6	11440.00	37.1 AV	54.0	-16.9	1.21 H	208	19.8	17.3
7	#17160.00	59.8 PK	68.2	-8.4	1.44 H	232	37.8	22.0

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	#5470.00	51.8 PK	68.2	-16.4	1.81 V	161	46.6	5.2
2	*5720.00	127.4 PK			1.77 V	165	87.4	40.0
3	*5720.00	115.1 AV			1.77 V	165	75.1	40.0
4	#5850.00	62.2 PK	68.2	-6.0	1.87 V	169	56.6	5.6
5	11440.00	51.1 PK	74.0	-22.9	1.17 V	205	33.8	17.3
6	11440.00	37.3 AV	54.0	-16.7	1.17 V	205	20.0	17.3
7	#17160.00	61.8 PK	68.2	-6.4	1.17 V	221	39.8	22.0

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	20 MHz Preamble 802.11ax (RU26)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	119.9 PK			1.62 H	165	80.0	39.9
2	*5745.00	108.6 AV			1.62 H	165	68.7	39.9
3	11490.00	50.4 PK	74.0	-23.6	1.25 H	193	33.5	16.9
4	11490.00	37.4 AV	54.0	-16.6	1.25 H	193	20.5	16.9
5	#17235.00	59.3 PK	68.2	-8.9	1.33 H	230	37.1	22.2

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	*5745.00	127.2 PK			2.01 V	158	87.3	39.9
2	*5745.00	115.4 AV			2.01 V	158	75.5	39.9
3	11490.00	52.5 PK	74.0	-21.5	2.03 V	208	35.6	16.9
4	11490.00	38.9 AV	54.0	-15.1	2.03 V	208	22.0	16.9
5	#17235.00	61.4 PK	68.2	-6.8	1.20 V	218	39.2	22.2

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	20 MHz Preamble 802.11ax (RU26)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	118.1 PK			1.57 H	161	78.1	40.0
2	*5825.00	105.7 AV			1.57 H	161	65.7	40.0
3	11650.00	50.7 PK	74.0	-23.3	1.30 H	208	34.1	16.6
4	11650.00	36.9 AV	54.0	-17.1	1.30 H	208	20.3	16.6
5	#17475.00	59.4 PK	68.2	-8.8	1.42 H	240	36.5	22.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	124.7 PK			1.77 V	169	84.7	40.0
2	*5825.00	112.5 AV			1.77 V	169	72.5	40.0
3	11650.00	51.7 PK	74.0	-22.3	1.97 V	210	35.1	16.6
4	11650.00	38.1 AV	54.0	-15.9	1.97 V	210	21.5	16.6
5	#17475.00	61.4 PK	68.2	-6.8	1.10 V	226	38.5	22.9

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU52)	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	5143.00	67.2 PK	74.0	-6.8	1.79 H	152	62.0	5.2
2	5143.00	38.3 AV	54.0	-15.7	1.79 H	152	33.1	5.2
3	*5180.00	112.0 PK			1.65 H	132	72.6	39.4
4	*5180.00	100.1 AV			1.65 H	132	60.7	39.4
5	#10360.00	50.3 PK	88.2	-37.9	1.52 H	207	33.7	16.6
6	15540.00	63.7 PK	74.0	-10.3	1.36 H	188	46.8	16.9
7	15540.00	46.0 AV	54.0	-8.0	1.36 H	188	29.1	16.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5143.00	71.2 PK	74.0	-2.8	2.02 V	141	66.0	5.2
2	5143.00	40.2 AV	54.0	-13.8	2.02 V	141	35.0	5.2
3	*5180.00	118.7 PK			1.97 V	164	79.3	39.4
4	*5180.00	109.2 AV			1.97 V	164	69.8	39.4
5	#10360.00	50.5 PK	88.2	-37.7	1.34 V	188	33.9	16.6
6	15540.00	68.0 PK	74.0	-6.0	1.71 V	200	51.1	16.9
7	15540.00	49.2 AV	54.0	-4.8	1.71 V	200	32.3	16.9

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU52)	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	109.5 PK			1.69 H	142	70.4	39.1
2	*5240.00	97.6 AV			1.69 H	142	58.5	39.1
3	5350.00	49.5 PK	74.0	-24.5	1.82 H	157	44.7	4.8
4	5350.00	37.0 AV	54.0	-17.0	1.82 H	157	32.2	4.8
5	#10480.00	51.9 PK	68.2	-16.3	1.54 H	211	35.2	16.7
6	15720.00	61.7 PK	74.0	-12.3	1.38 H	185	46.0	15.7
7	15720.00	46.6 AV	54.0	-7.4	1.38 H	185	30.9	15.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	118.2 PK			2.21 V	126	79.1	39.1
2	*5240.00	106.2 AV			2.21 V	126	67.1	39.1
3	5350.00	50.4 PK	74.0	-23.6	1.91 V	142	45.6	4.8
4	5350.00	37.3 AV	54.0	-16.7	1.91 V	142	32.5	4.8
5	#10480.00	52.3 PK	68.2	-15.9	1.41 V	185	35.6	16.7
6	15720.00	65.9 PK	74.0	-8.1	1.70 V	202	50.2	15.7
7	15720.00	49.6 AV	54.0	-4.4	1.70 V	202	33.9	15.7

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	20 MHz Preamble 802.11ax (RU52)	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	50.8 PK	74.0	-23.2	1.68 H	152	45.6	5.2
2	5150.00	37.8 AV	54.0	-16.2	1.68 H	152	32.6	5.2
3	*5260.00	108.4 PK			1.71 H	142	69.4	39.0
4	*5260.00	96.6 AV			1.71 H	142	57.6	39.0
5	#10520.00	50.8 PK	68.2	-17.4	1.57 H	205	34.1	16.7
6	15780.00	63.0 PK	74.0	-11.0	1.32 H	182	47.2	15.8
7	15780.00	46.4 AV	54.0	-7.6	1.32 H	182	30.6	15.8

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	51.1 PK	74.0	-22.9	1.76 V	149	45.9	5.2
2	5150.00	38.0 AV	54.0	-16.0	1.76 V	149	32.8	5.2
3	*5260.00	117.3 PK			1.86 V	165	78.3	39.0
4	*5260.00	105.3 AV			1.86 V	165	66.3	39.0
5	#10520.00	51.0 PK	68.2	-17.2	1.39 V	190	34.3	16.7
6	15780.00	67.5 PK	74.0	-6.5	1.72 V	203	51.7	15.8
7	15780.00	49.7 AV	54.0	-4.3	1.72 V	203	33.9	15.8

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	20 MHz Preamble 802.11ax (RU52)	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	107.8 PK			1.74 H	150	68.7	39.1
2	*5320.00	96.1 AV			1.74 H	150	57.0	39.1
3	5350.00	53.9 PK	74.0	-20.1	1.69 H	137	49.1	4.8
4	5350.00	39.6 AV	54.0	-14.4	1.69 H	137	34.8	4.8
5	10640.00	50.8 PK	74.0	-23.2	1.48 H	196	33.7	17.1
6	10640.00	37.3 AV	54.0	-16.7	1.48 H	196	20.2	17.1
7	15960.00	60.9 PK	74.0	-13.1	1.33 H	189	44.7	16.2
8	15960.00	46.0 AV	54.0	-8.0	1.33 H	189	29.8	16.2

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.4 PK			1.80 V	168	77.3	39.1
2	*5320.00	104.9 AV			1.80 V	168	65.8	39.1
3	5350.00	61.1 PK	74.0	-12.9	1.92 V	152	56.3	4.8
4	5350.00	39.8 AV	54.0	-14.2	1.92 V	152	35.0	4.8
5	10640.00	51.0 PK	74.0	-23.0	1.43 V	199	33.9	17.1
6	10640.00	37.6 AV	54.0	-16.4	1.43 V	199	20.5	17.1
7	15960.00	65.3 PK	74.0	-8.7	1.96 V	203	49.1	16.2
8	15960.00	49.3 AV	54.0	-4.7	1.96 V	203	33.1	16.2

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.2 PK	74.0	-11.8	1.66 H	151	57.0	5.2
2	5460.00	40.8 AV	54.0	-13.2	1.66 H	151	35.6	5.2
3	#5470.00	65.2 PK	68.2	-3.0	1.57 H	143	60.0	5.2
4	*5500.00	109.1 PK			1.64 H	155	69.4	39.7
5	*5500.00	97.6 AV			1.64 H	155	57.9	39.7
6	11000.00	51.3 PK	74.0	-22.7	1.46 H	216	33.6	17.7
7	11000.00	38.1 AV	54.0	-15.9	1.46 H	216	20.4	17.7
8	#16500.00	55.1 PK	68.2	-13.1	1.37 H	190	37.3	17.8

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	62.4 PK	74.0	-11.6	1.71 V	163	57.2	5.2
2	5460.00	41.7 AV	54.0	-12.3	1.71 V	163	36.5	5.2
3	#5470.00	65.9 PK	68.2	-2.3	1.82 V	154	60.7	5.2
4	*5500.00	118.0 PK			1.77 V	160	78.3	39.7
5	*5500.00	106.5 AV			1.77 V	160	66.8	39.7
6	11000.00	51.6 PK	74.0	-22.4	1.57 V	195	33.9	17.7
7	11000.00	38.3 AV	54.0	-15.7	1.57 V	195	20.6	17.7
8	#16500.00	59.1 PK	68.2	-9.1	1.80 V	243	41.3	17.8

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.0 PK			1.80 H	146	67.9	40.1
2	*5700.00	96.7 AV			1.80 H	146	56.6	40.1
3	#5725.00	60.6 PK	68.2	-7.6	1.61 H	152	55.0	5.6
4	11400.00	50.9 PK	74.0	-23.1	1.46 H	196	33.5	17.4
5	11400.00	37.4 AV	54.0	-16.6	1.46 H	196	20.0	17.4
6	#17100.00	54.3 PK	68.2	-13.9	1.25 H	184	32.8	21.5

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	116.9 PK			1.49 V	165	76.8	40.1
2	*5700.00	105.4 AV			1.49 V	165	65.3	40.1
3	#5725.00	65.5 PK	68.2	-2.7	1.69 V	158	59.9	5.6
4	11400.00	51.1 PK	74.0	-22.9	1.64 V	205	33.7	17.4
5	11400.00	37.7 AV	54.0	-16.3	1.64 V	205	20.3	17.4
6	#17100.00	57.8 PK	68.2	-10.4	1.74 V	228	36.3	21.5

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	20 MHz Preamble 802.11ax (RU52)	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	54.2 PK	68.2	-14.0	1.58 H	149	49.0	5.2
2	*5720.00	113.2 PK			1.73 H	139	73.2	40.0
3	*5720.00	101.5 AV			1.73 H	139	61.5	40.0
4	#5850.00	54.7 PK	68.2	-13.5	1.62 H	146	49.1	5.6
5	11440.00	50.6 PK	74.0	-23.4	1.61 H	208	33.3	17.3
6	11440.00	37.6 AV	54.0	-16.4	1.61 H	208	20.3	17.3
7	#17160.00	53.7 PK	68.2	-14.5	1.40 H	192	31.7	22.0

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	#5470.00	54.4 PK	68.2	-13.8	1.55 V	161	49.2	5.2
2	*5720.00	121.7 PK			1.47 V	165	81.7	40.0
3	*5720.00	110.1 AV			1.47 V	165	70.1	40.0
4	#5850.00	55.0 PK	68.2	-13.2	1.54 V	159	49.4	5.6
5	11440.00	50.9 PK	74.0	-23.1	1.56 V	202	33.6	17.3
6	11440.00	37.8 AV	54.0	-16.2	1.56 V	202	20.5	17.3
7	#17160.00	56.5 PK	68.2	-11.7	2.19 V	247	34.5	22.0

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	20 MHz Preamble 802.11ax (RU52)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	113.4 PK			1.69 H	138	73.5	39.9
2	*5745.00	101.3 AV			1.69 H	138	61.4	39.9
3	11490.00	50.2 PK	74.0	-23.8	1.46 H	193	33.3	16.9
4	11490.00	37.0 AV	54.0	-17.0	1.46 H	193	20.1	16.9
5	#17235.00	55.6 PK	68.2	-12.6	1.32 H	183	33.4	22.2

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	*5745.00	122.1 PK			1.69 V	158	82.2	39.9
2	*5745.00	110.1 AV			1.69 V	158	70.2	39.9
3	11490.00	50.4 PK	74.0	-23.6	1.61 V	213	33.5	16.9
4	11490.00	37.3 AV	54.0	-16.7	1.61 V	213	20.4	16.9
5	#17235.00	56.8 PK	68.2	-11.4	1.97 V	236	34.6	22.2

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	20 MHz Preamble 802.11ax (RU52)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	110.6 PK			1.76 H	146	70.6	40.0
2	*5825.00	99.8 AV			1.76 H	146	59.8	40.0
3	11650.00	50.0 PK	74.0	-24.0	1.46 H	195	33.4	16.6
4	11650.00	36.8 AV	54.0	-17.2	1.46 H	195	20.2	16.6
5	#17475.00	56.6 PK	68.2	-11.6	1.33 H	186	33.7	22.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	120.0 PK			1.39 V	173	80.0	40.0
2	*5825.00	108.8 AV			1.39 V	173	68.8	40.0
3	11650.00	50.2 PK	74.0	-23.8	1.67 V	210	33.6	16.6
4	11650.00	37.1 AV	54.0	-16.9	1.67 V	210	20.5	16.6
5	#17475.00	57.7 PK	68.2	-10.5	1.89 V	242	34.8	22.9

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU106)	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	62.7 PK	74.0	-11.3	1.67 H	139	57.5	5.2
2	5150.00	41.3 AV	54.0	-12.7	1.67 H	139	36.1	5.2
3	*5180.00	109.0 PK			1.52 H	127	69.6	39.4
4	*5180.00	98.2 AV			1.52 H	127	58.8	39.4
5	#10360.00	49.4 PK	68.2	-18.8	1.57 H	216	32.8	16.6
6	15540.00	60.9 PK	74.0	-13.1	1.35 H	238	44.0	16.9
7	15540.00	45.1 AV	54.0	-8.9	1.35 H	238	28.2	16.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	71.2 PK	74.0	-2.8	1.67 V	197	66.0	5.2
2	5150.00	42.5 AV	54.0	-11.5	1.67 V	197	37.3	5.2
3	*5180.00	117.2 PK			1.48 V	223	77.8	39.4
4	*5180.00	104.9 AV			1.48 V	223	65.5	39.4
5	#10360.00	49.7 PK	68.2	-18.5	1.46 V	187	33.1	16.6
6	15540.00	63.2 PK	74.0	-10.8	1.25 V	225	46.3	16.9
7	15540.00	46.7 AV	54.0	-7.3	1.25 V	225	29.8	16.9

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU106)	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	108.1 PK			1.56 H	129	69.0	39.1
2	*5240.00	97.2 AV			1.56 H	129	58.1	39.1
3	5350.00	53.6 PK	74.0	-20.4	1.67 H	135	48.8	4.8
4	5350.00	40.4 AV	54.0	-13.6	1.67 H	135	35.6	4.8
5	#10480.00	50.4 PK	68.2	-17.8	1.51 H	213	33.7	16.7
6	15720.00	62.1 PK	74.0	-11.9	1.41 H	239	46.4	15.7
7	15720.00	48.1 AV	54.0	-5.9	1.41 H	239	32.4	15.7

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.6 PK			1.94 V	172	76.5	39.1
2	*5240.00	103.7 AV			1.94 V	172	64.6	39.1
3	5350.00	53.8 PK	74.0	-20.2	1.68 V	161	49.0	4.8
4	5350.00	40.8 AV	54.0	-13.2	1.68 V	161	36.0	4.8
5	#10480.00	50.6 PK	68.2	-17.6	1.52 V	190	33.9	16.7
6	15720.00	64.2 PK	74.0	-9.8	1.70 V	204	48.5	15.7
7	15720.00	49.7 AV	54.0	-4.3	1.70 V	204	34.0	15.7

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	20 MHz Preamble 802.11ax (RU106)	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	54.4 PK	74.0	-19.6	1.63 H	142	49.2	5.2
2	5150.00	40.8 AV	54.0	-13.2	1.63 H	142	35.6	5.2
3	*5260.00	107.3 PK			1.58 H	131	68.3	39.0
4	*5260.00	96.6 AV			1.58 H	131	57.6	39.0
5	#10520.00	50.9 PK	68.2	-17.3	1.47 H	209	34.2	16.7
6	15780.00	63.1 PK	74.0	-10.9	1.33 H	240	47.3	15.8
7	15780.00	47.8 AV	54.0	-6.2	1.33 H	240	32.0	15.8

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	54.7 PK	74.0	-19.3	1.74 V	155	49.5	5.2
2	5150.00	41.2 AV	54.0	-12.8	1.74 V	155	36.0	5.2
3	*5260.00	113.2 PK			1.95 V	169	74.2	39.0
4	*5260.00	103.0 AV			1.95 V	169	64.0	39.0
5	#10520.00	51.3 PK	68.2	-16.9	1.60 V	196	34.6	16.7
6	15780.00	65.5 PK	74.0	-8.5	1.67 V	204	49.7	15.8
7	15780.00	49.3 AV	54.0	-4.7	1.67 V	204	33.5	15.8

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	20 MHz Preamble 802.11ax (RU106)	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	109.3 PK			1.60 H	130	70.2	39.1
2	*5320.00	97.2 AV			1.60 H	130	58.1	39.1
3	5350.00	54.3 PK	74.0	-19.7	1.57 H	125	49.5	4.8
4	5350.00	40.7 AV	54.0	-13.3	1.57 H	125	35.9	4.8
5	10640.00	50.7 PK	74.0	-23.3	1.51 H	213	33.6	17.1
6	10640.00	37.7 AV	54.0	-16.3	1.51 H	213	20.6	17.1
7	15960.00	62.6 PK	74.0	-11.4	1.31 H	242	46.4	16.2
8	15960.00	48.2 AV	54.0	-5.8	1.31 H	242	32.0	16.2

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	114.1 PK			1.96 V	174	75.0	39.1
2	*5320.00	102.7 AV			1.96 V	174	63.6	39.1
3	5350.00	63.4 PK	74.0	-10.6	1.64 V	185	58.6	4.8
4	5350.00	41.3 AV	54.0	-12.7	1.64 V	185	36.5	4.8
5	10640.00	50.9 PK	74.0	-23.1	1.52 V	193	33.8	17.1
6	10640.00	37.9 AV	54.0	-16.1	1.52 V	193	20.8	17.1
7	15960.00	64.9 PK	74.0	-9.1	1.69 V	207	48.7	16.2
8	15960.00	49.7 AV	54.0	-4.3	1.69 V	207	33.5	16.2

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU106)	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	50.5 PK	74.0	-23.5	1.52 H	140	45.3	5.2
2	5460.00	37.5 AV	54.0	-16.5	1.52 H	140	32.3	5.2
3	#5470.00	53.1 PK	68.2	-15.1	1.55 H	142	47.9	5.2
4	*5500.00	109.6 PK			1.61 H	136	69.9	39.7
5	*5500.00	97.5 AV			1.61 H	136	57.8	39.7
6	11000.00	51.0 PK	74.0	-23.0	1.54 H	216	33.3	17.7
7	11000.00	37.8 AV	54.0	-16.2	1.54 H	216	20.1	17.7
8	#16500.00	57.8 PK	68.2	-10.4	1.36 H	237	40.0	17.8

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	55.4 PK	74.0	-18.6	1.67 V	163	50.2	5.2
2	5460.00	38.6 AV	54.0	-15.4	1.67 V	163	33.4	5.2
3	#5470.00	65.3 PK	68.2	-2.9	1.61 V	154	60.1	5.2
4	*5500.00	115.6 PK			1.77 V	160	75.9	39.7
5	*5500.00	103.7 AV			1.77 V	160	64.0	39.7
6	11000.00	51.3 PK	74.0	-22.7	1.46 V	190	33.6	17.7
7	11000.00	38.2 AV	54.0	-15.8	1.46 V	190	20.5	17.7
8	#16500.00	59.8 PK	68.2	-8.4	1.79 V	209	42.0	17.8

Remarks:

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



RF Mode	20 MHz Preamble 802.11ax (RU106)	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	109.0 PK			1.61 H	145	68.9	40.1
2	*5700.00	96.7 AV			1.61 H	145	56.6	40.1
3	#5725.00	57.6 PK	68.2	-10.6	1.57 H	133	52.0	5.6
4	11400.00	50.5 PK	74.0	-23.5	1.58 H	209	33.1	17.4
5	11400.00	37.5 AV	54.0	-16.5	1.58 H	209	20.1	17.4
6	#17100.00	53.3 PK	68.2	-14.9	1.36 H	246	31.8	21.5

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	113.2 PK			1.65 V	160	73.1	40.1
2	*5700.00	102.4 AV			1.65 V	160	62.3	40.1
3	#5725.00	65.9 PK	68.2	-2.3	1.70 V	154	60.3	5.6
4	11400.00	50.8 PK	74.0	-23.2	1.51 V	196	33.4	17.4
5	11400.00	37.8 AV	54.0	-16.2	1.51 V	196	20.4	17.4
6	#17100.00	54.8 PK	68.2	-13.4	1.85 V	202	33.3	21.5

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	20 MHz Preamble 802.11ax (RU106)	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	53.8 PK	68.2	-14.4	1.58 H	144	48.6	5.2
2	*5720.00	113.8 PK			1.66 H	139	73.8	40.0
3	*5720.00	101.8 AV			1.66 H	139	61.8	40.0
4	#5850.00	54.2 PK	68.2	-14.0	1.61 H	131	48.6	5.6
5	11440.00	50.4 PK	74.0	-23.6	1.57 H	216	33.1	17.3
6	11440.00	37.6 AV	54.0	-16.4	1.57 H	216	20.3	17.3
7	#17160.00	54.6 PK	68.2	-13.6	1.40 H	245	32.6	22.0

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	#5470.00	54.2 PK	68.2	-14.0	1.67 V	162	49.0	5.2
2	*5720.00	119.1 PK			1.59 V	158	79.1	40.0
3	*5720.00	107.6 AV			1.59 V	158	67.6	40.0
4	#5850.00	54.5 PK	68.2	-13.7	1.71 V	159	48.9	5.6
5	11440.00	50.8 PK	74.0	-23.2	1.52 V	197	33.5	17.3
6	11440.00	37.9 AV	54.0	-16.1	1.52 V	197	20.6	17.3
7	#17160.00	56.1 PK	68.2	-12.1	1.93 V	210	34.1	22.0

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	20 MHz Preamble 802.11ax (RU106)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5745.00	112.4 PK			1.55 H	131	72.5	39.9
2	*5745.00	101.3 AV			1.55 H	131	61.4	39.9
3	11490.00	50.1 PK	74.0	-23.9	1.56 H	208	33.2	16.9
4	11490.00	37.1 AV	54.0	-16.9	1.56 H	208	20.2	16.9
5	#17235.00	55.0 PK	68.2	-13.2	1.37 H	241	32.8	22.2

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	*5745.00	118.4 PK			1.64 V	158	78.5	39.9
2	*5745.00	107.2 AV			1.64 V	158	67.3	39.9
3	11490.00	50.2 PK	74.0	-23.8	1.59 V	196	33.3	16.9
4	11490.00	37.3 AV	54.0	-16.7	1.59 V	196	20.4	16.9
5	#17235.00	56.5 PK	68.2	-11.7	1.97 V	220	34.3	22.2

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	20 MHz Preamble 802.11ax (RU106)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5825.00	113.0 PK			1.72 H	140	73.0	40.0
2	*5825.00	101.2 AV			1.72 H	140	61.2	40.0
3	11650.00	49.8 PK	74.0	-24.2	1.49 H	209	33.2	16.6
4	11650.00	36.9 AV	54.0	-17.1	1.49 H	209	20.3	16.6
5	#17475.00	55.5 PK	68.2	-12.7	1.37 H	233	32.6	22.9

Antenna Polarity & Test Distance : Vertical at 3 m

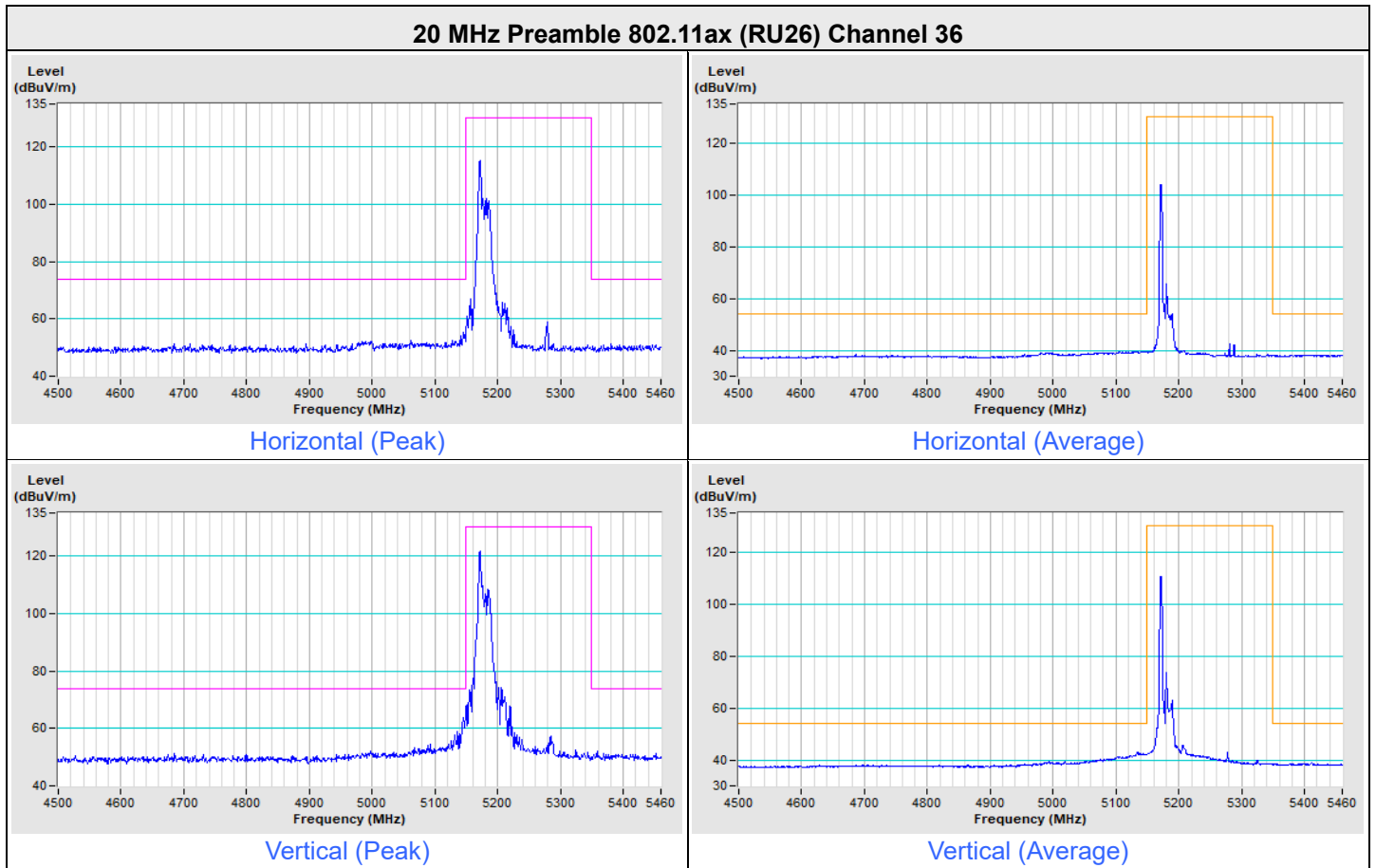
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1	*5825.00	118.9 PK			1.59 V	193	78.9	40.0
2	*5825.00	107.0 AV			1.59 V	193	67.0	40.0
3	11650.00	49.9 PK	74.0	-24.1	1.66 V	200	33.3	16.6
4	11650.00	37.0 AV	54.0	-17.0	1.66 V	200	20.4	16.6
5	#17475.00	57.2 PK	68.2	-11.0	1.99 V	236	34.3	22.9

Remarks:

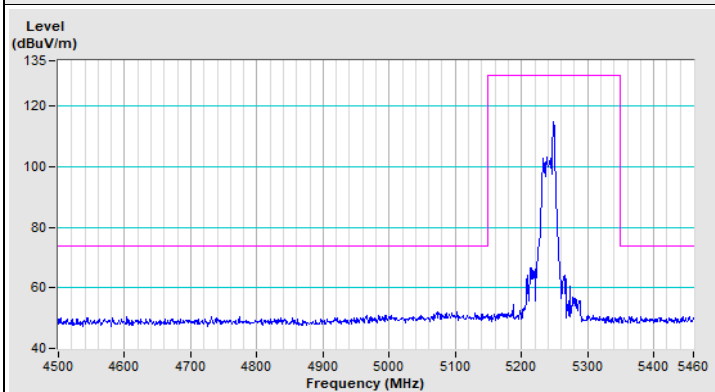
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge

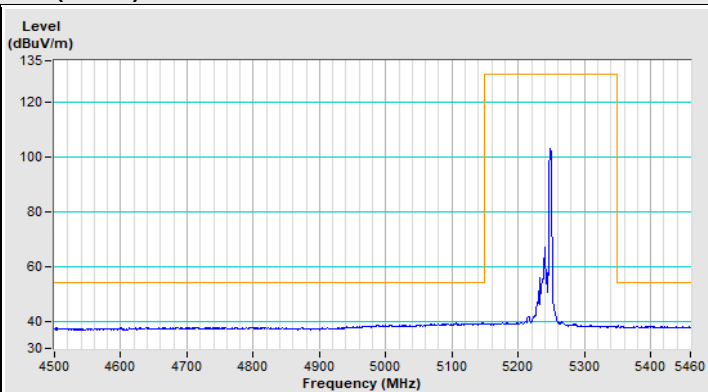
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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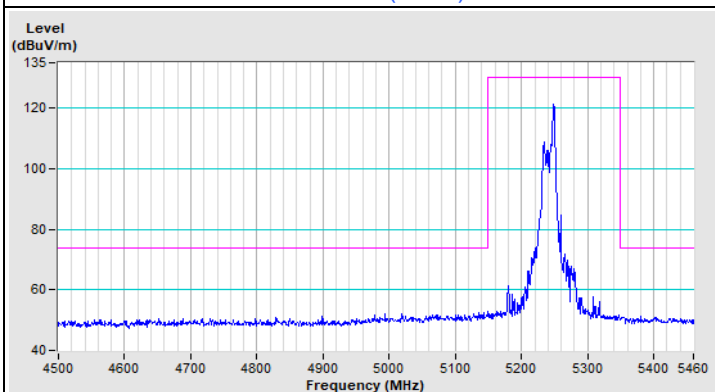
20 MHz Preamble 802.11ax (RU26) Channel 48



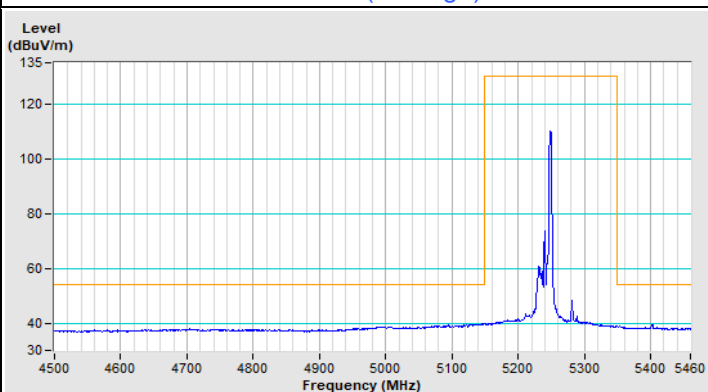
Horizontal (Peak)



Horizontal (Average)

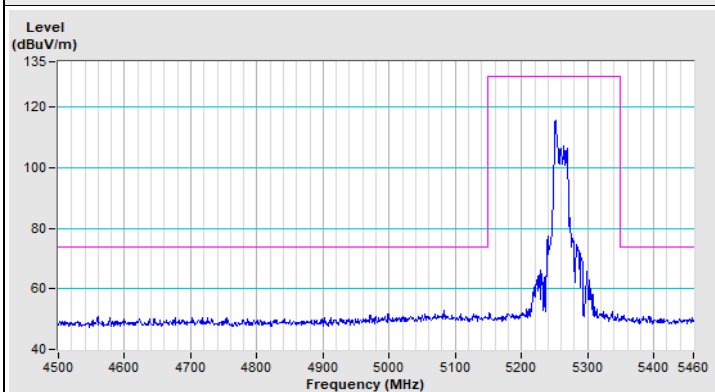


Vertical (Peak)

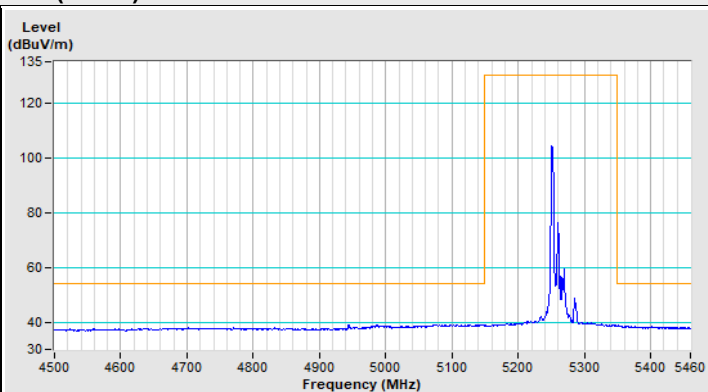


Vertical (Average)

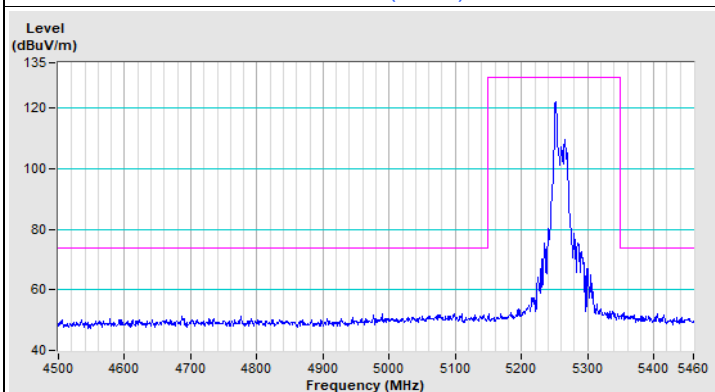
20 MHz Preamble 802.11ax (RU26) Channel 52



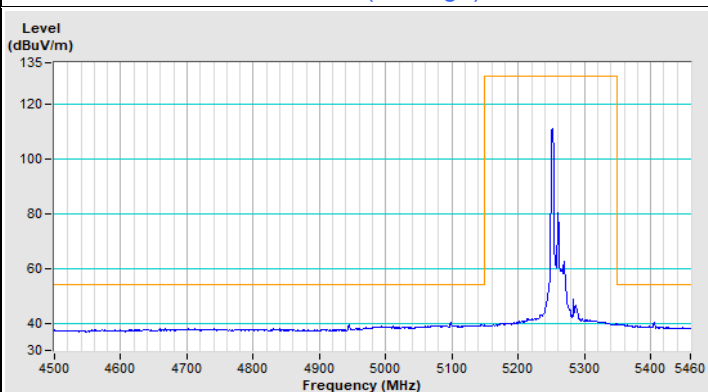
Horizontal (Peak)



Horizontal (Average)

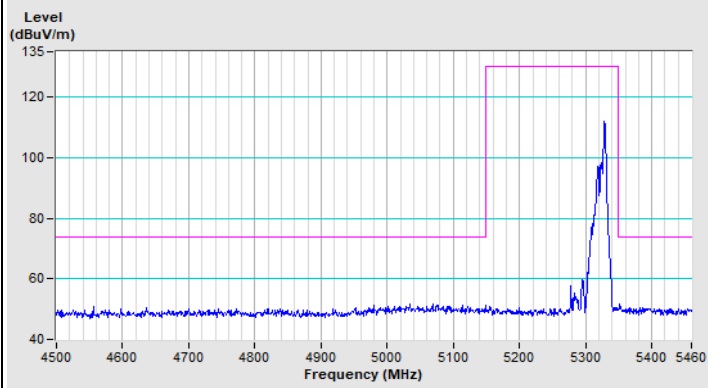


Vertical (Peak)

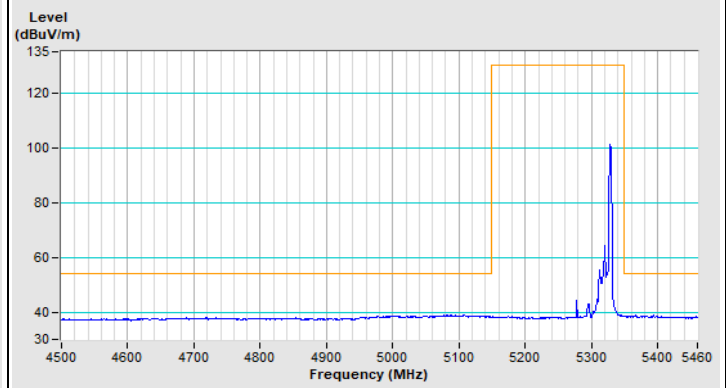


Vertical (Average)

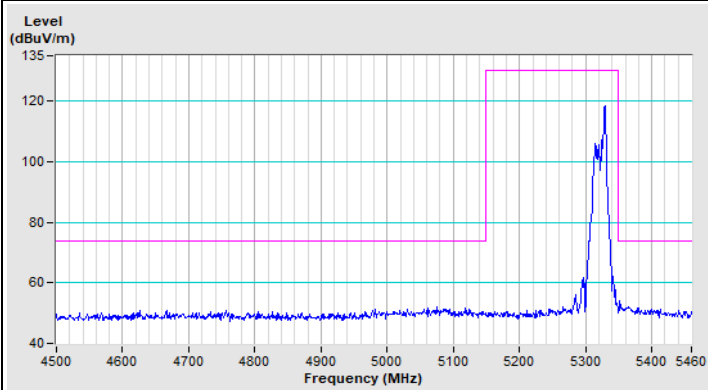
20 MHz Preamble 802.11ax (RU26) Channel 64



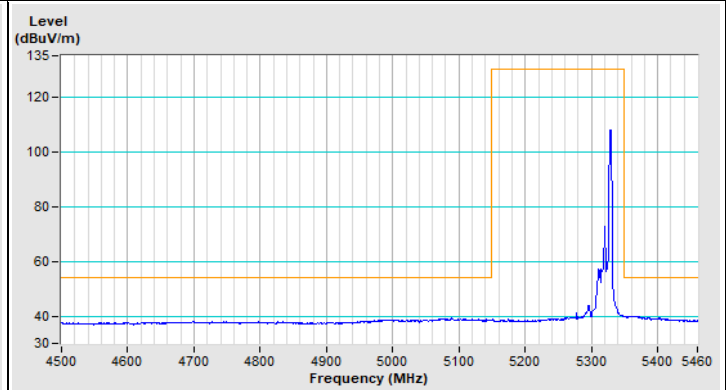
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

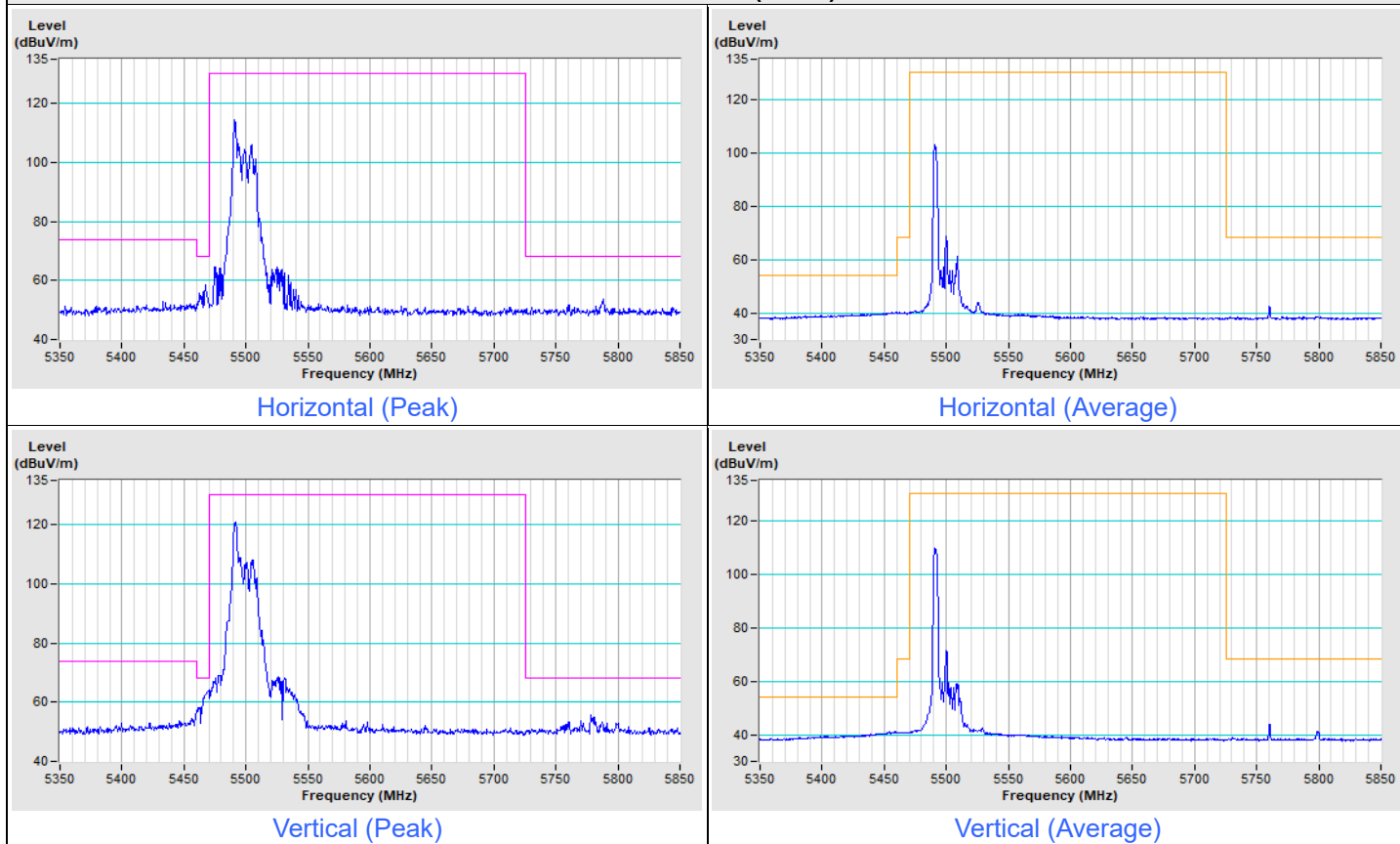


Vertical (Average)

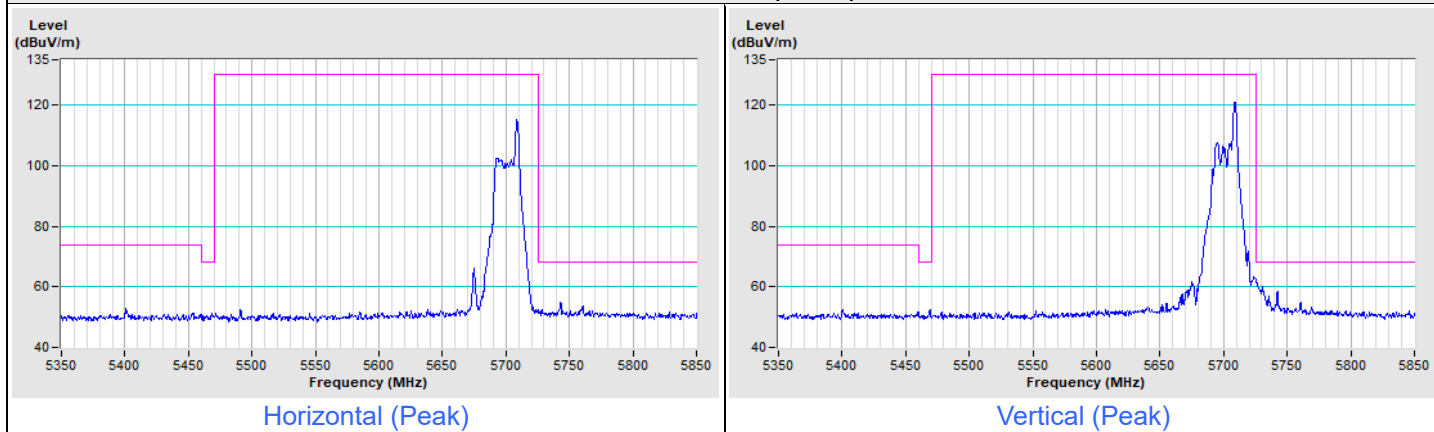


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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20 MHz Preamble 802.11ax (RU26) Channel 100



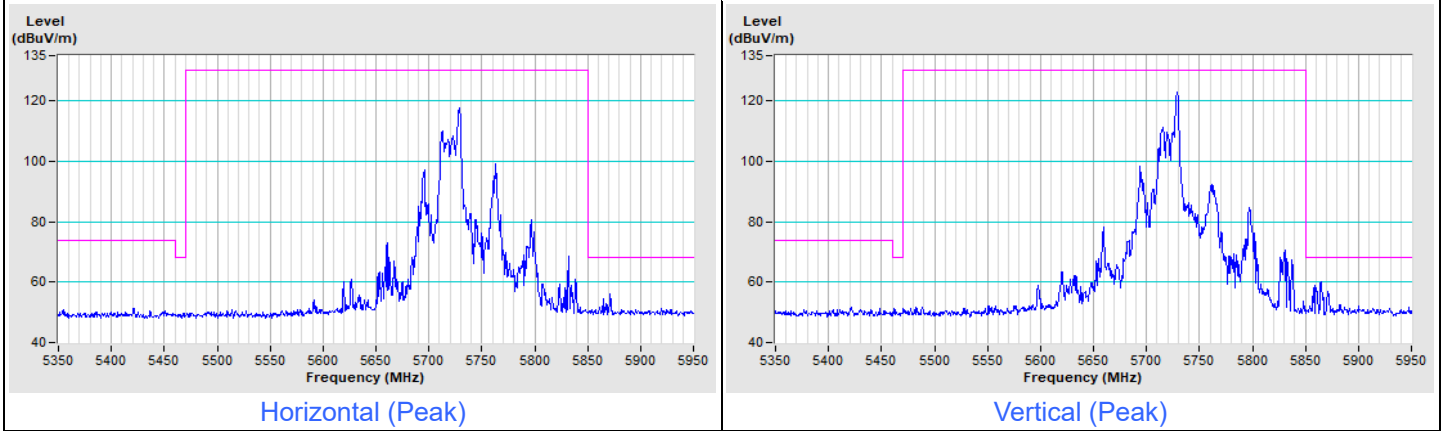
20 MHz Preamble 802.11ax (RU26) Channel 140





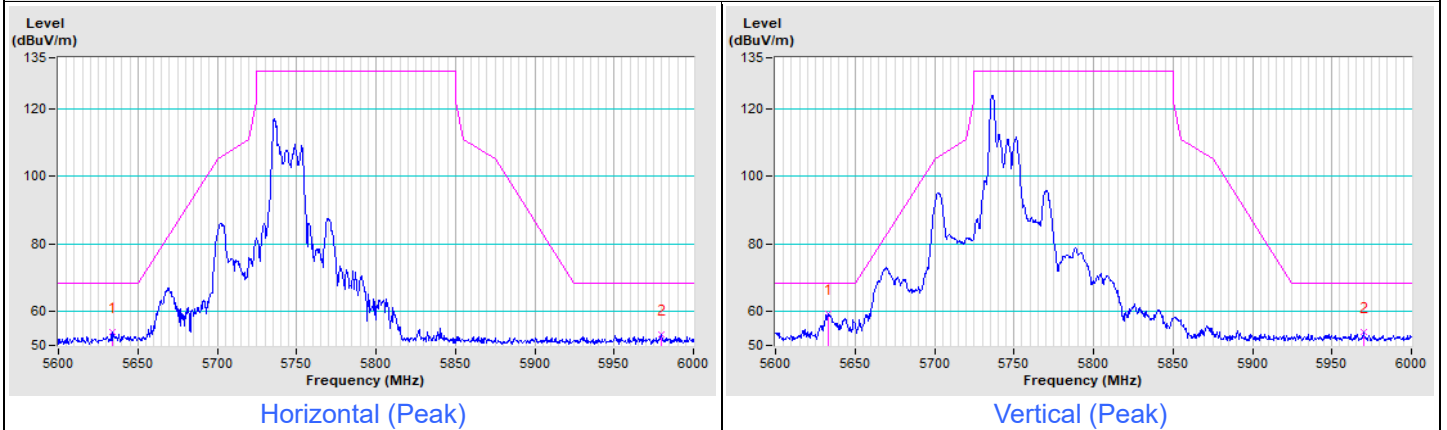
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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20 MHz Preamble 802.11ax (RU26) Channel 144

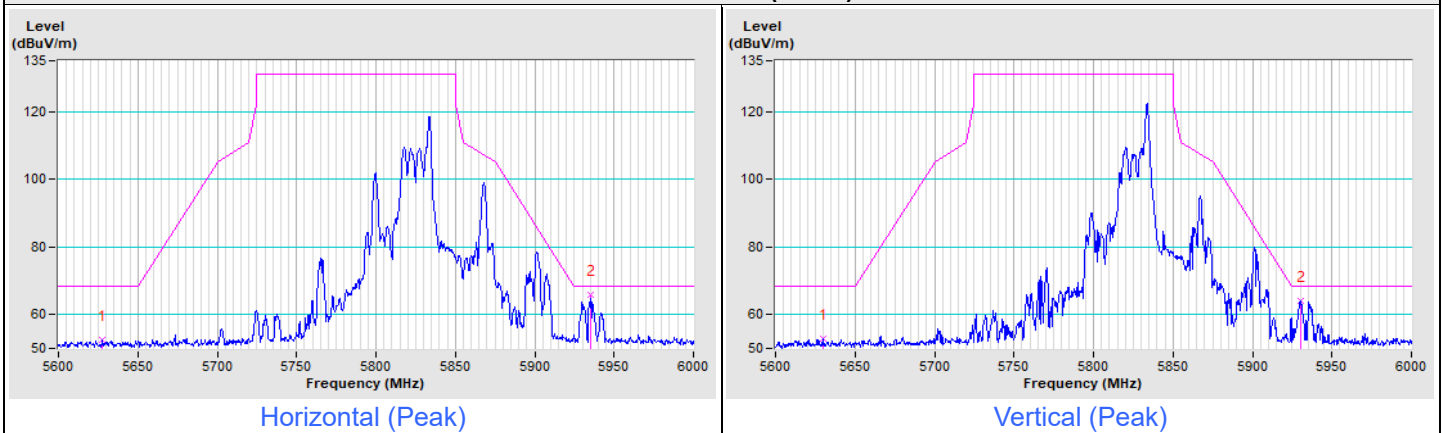


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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20 MHz Preamble 802.11ax (RU26) Channel 149

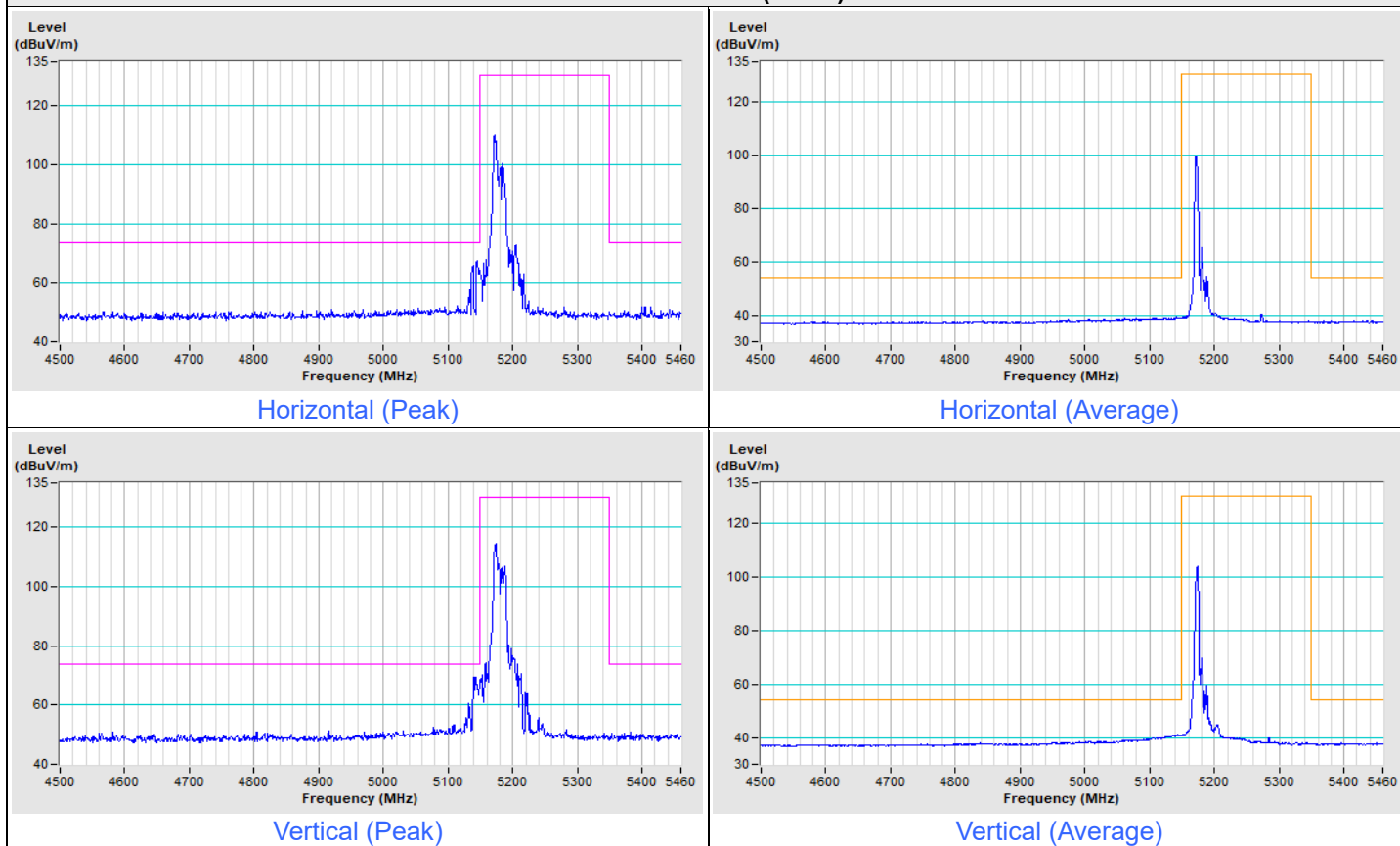


20 MHz Preamble 802.11ax (RU26) Channel 165

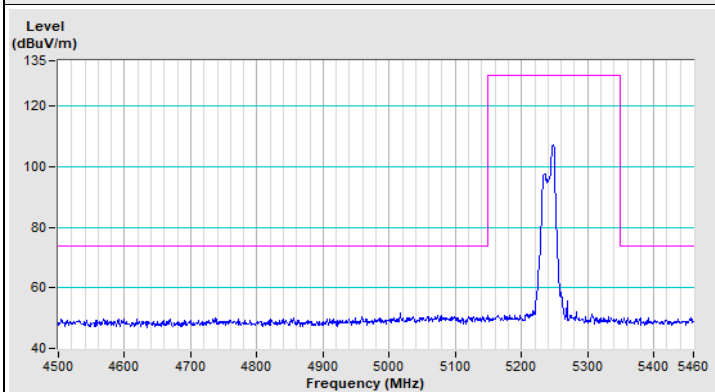


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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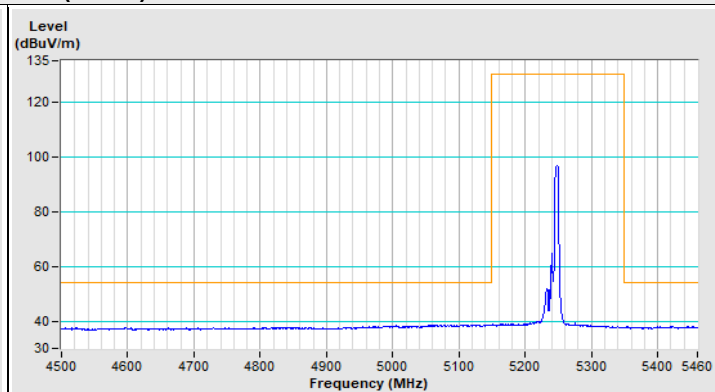
20 MHz Preamble 802.11ax (RU52) Channel 36



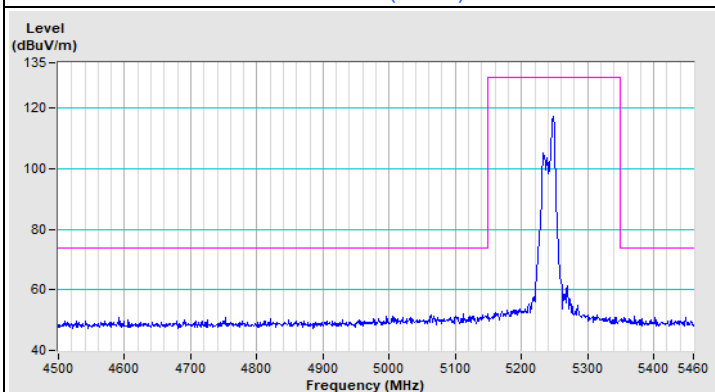
20 MHz Preamble 802.11ax (RU52) Channel 48



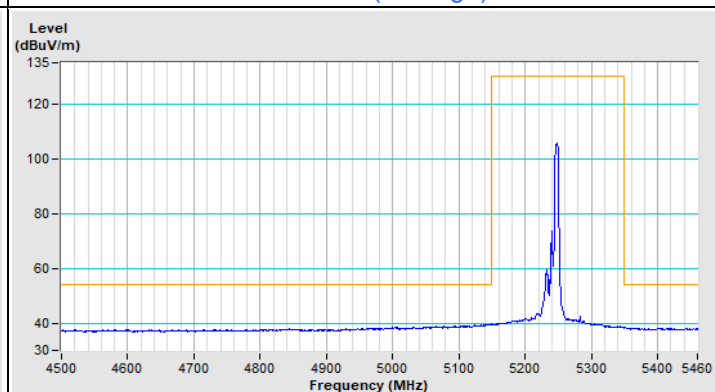
Horizontal (Peak)



Horizontal (Average)

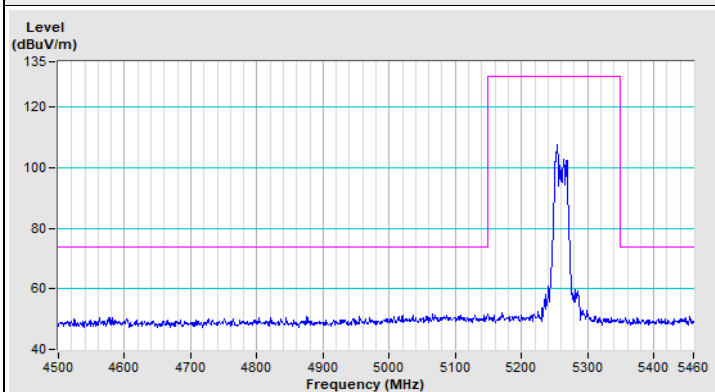


Vertical (Peak)

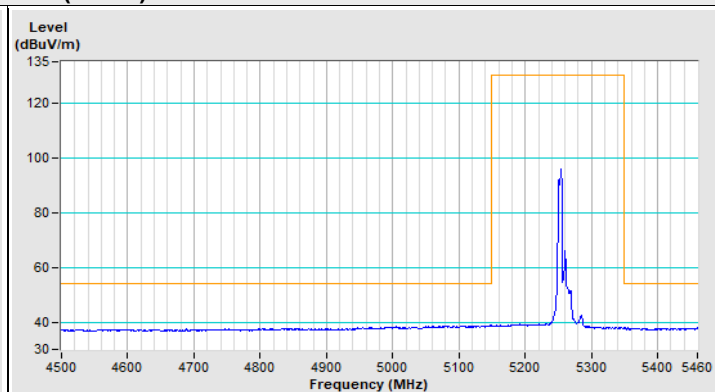


Vertical (Average)

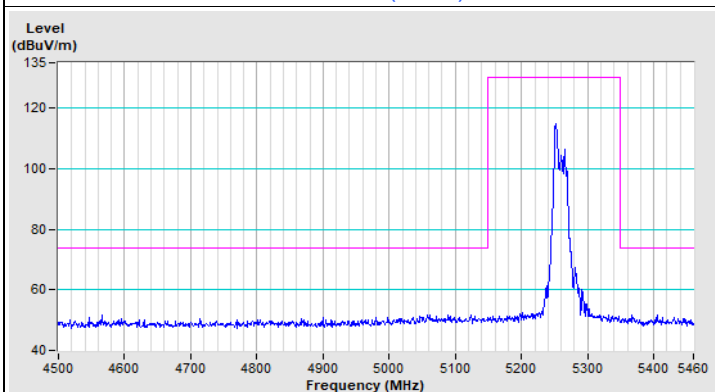
20 MHz Preamble 802.11ax (RU52) Channel 52



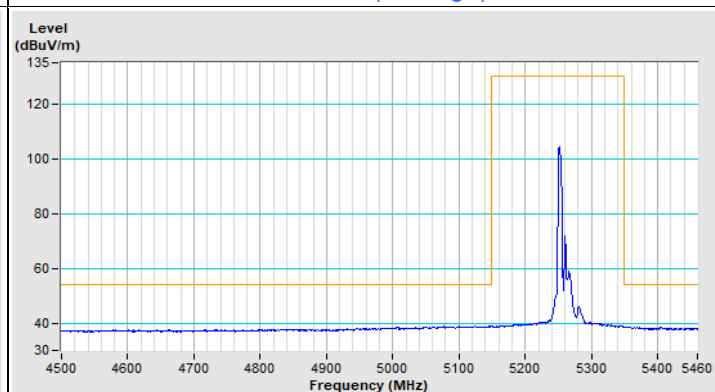
Horizontal (Peak)



Horizontal (Average)

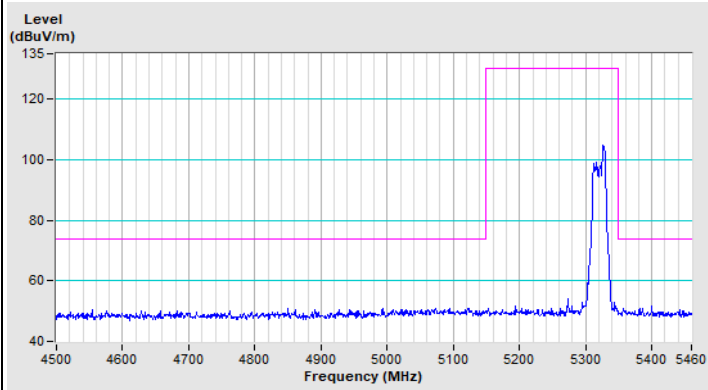


Vertical (Peak)

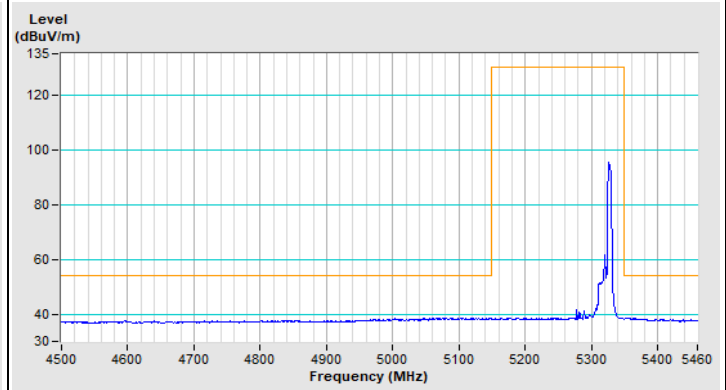


Vertical (Average)

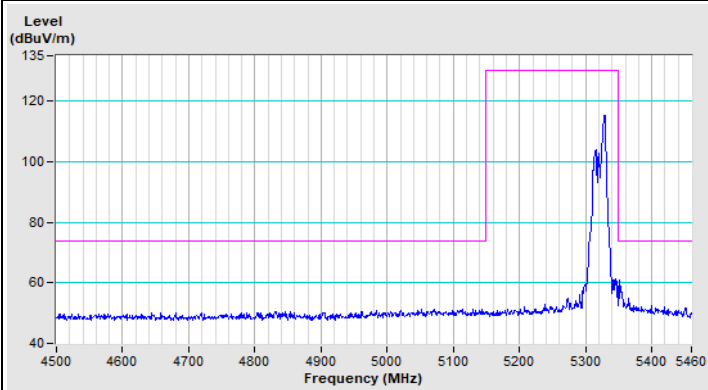
20 MHz Preamble 802.11ax (RU52) Channel 64



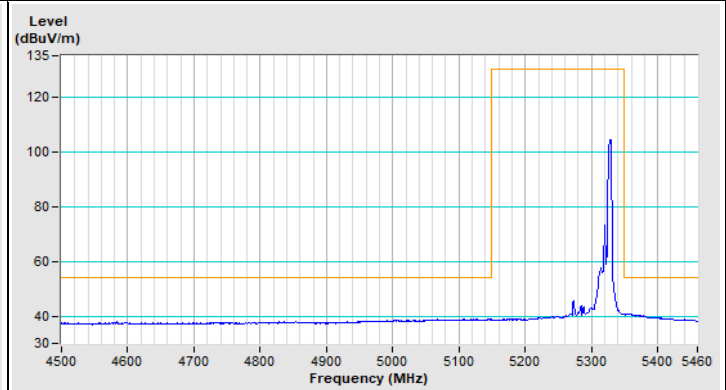
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

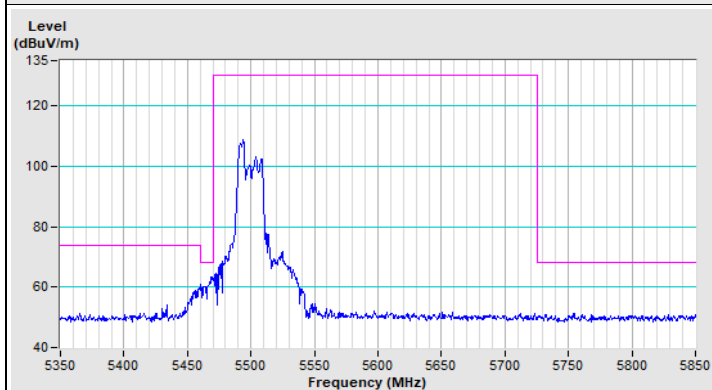


Vertical (Average)

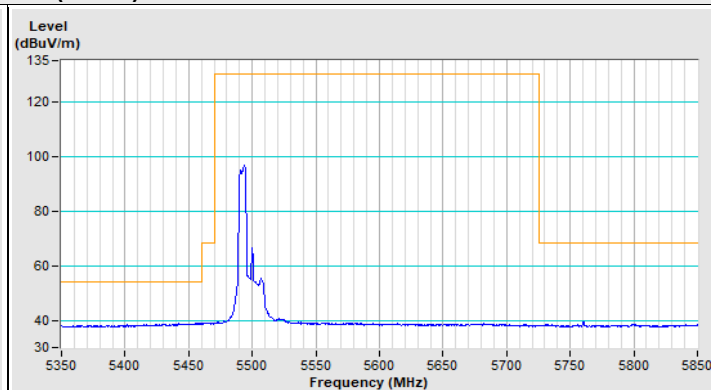


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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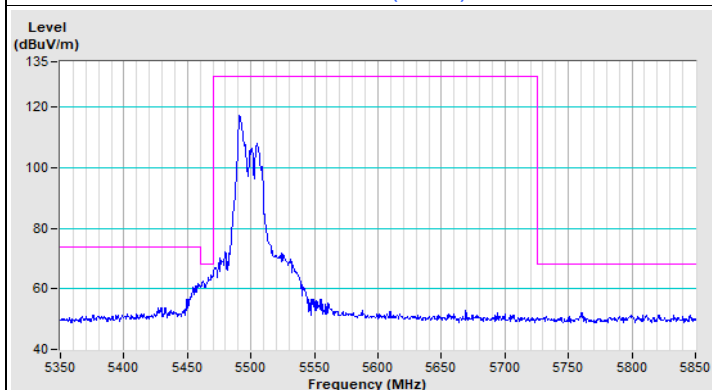
20 MHz Preamble 802.11ax (RU52) Channel 100



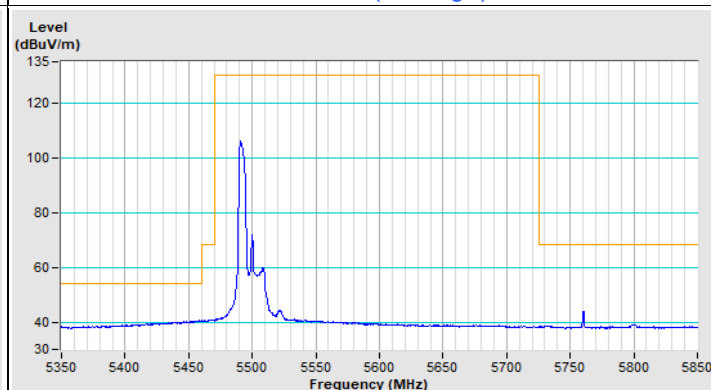
Horizontal (Peak)



Horizontal (Average)

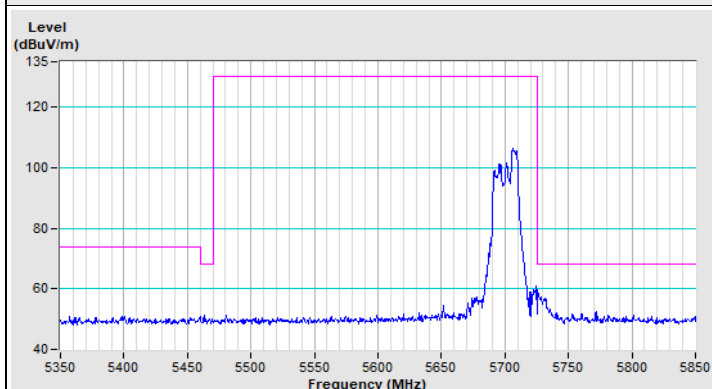


Vertical (Peak)

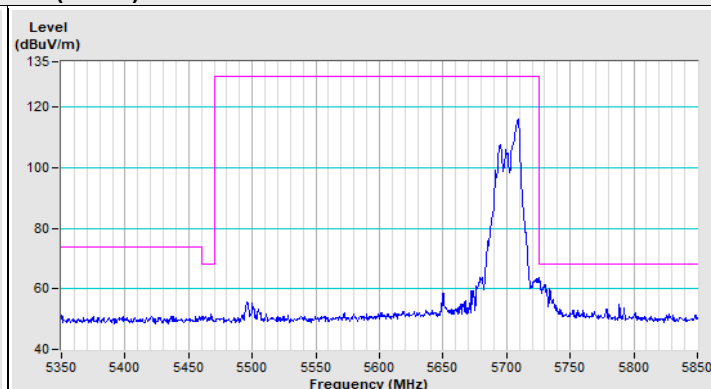


Vertical (Average)

20 MHz Preamble 802.11ax (RU52) Channel 140



Horizontal (Peak)

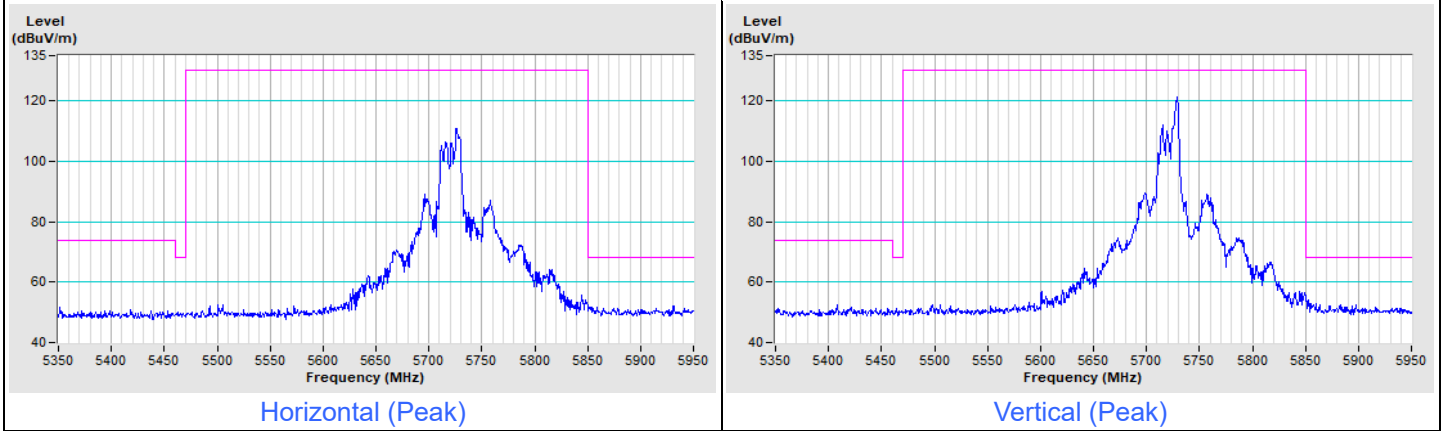


Vertical (Peak)



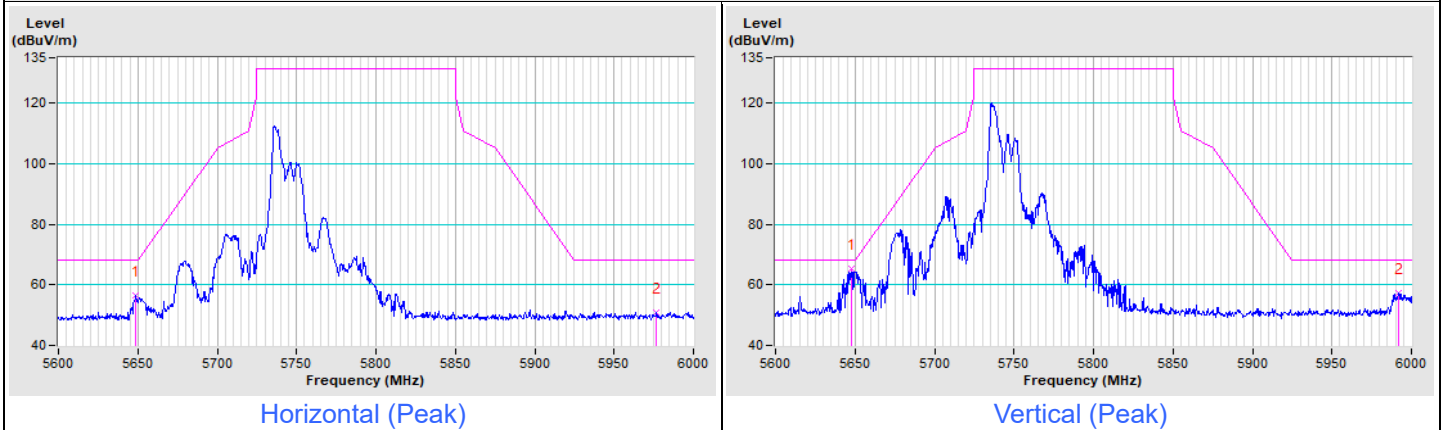
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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20 MHz Preamble 802.11ax (RU2) Channel 144

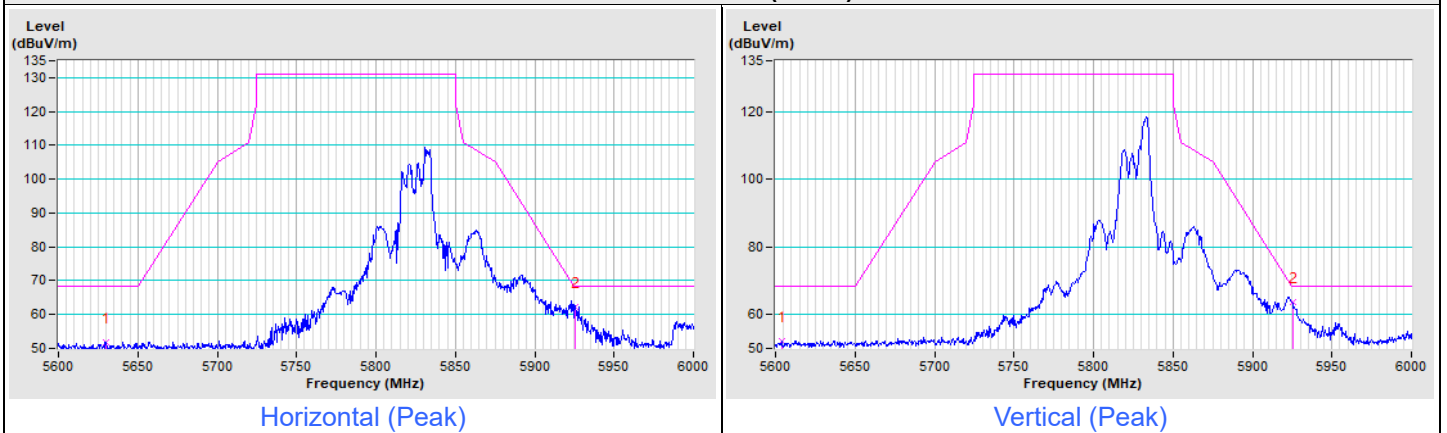


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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20 MHz Preamble 802.11ax (RU2) Channel 149

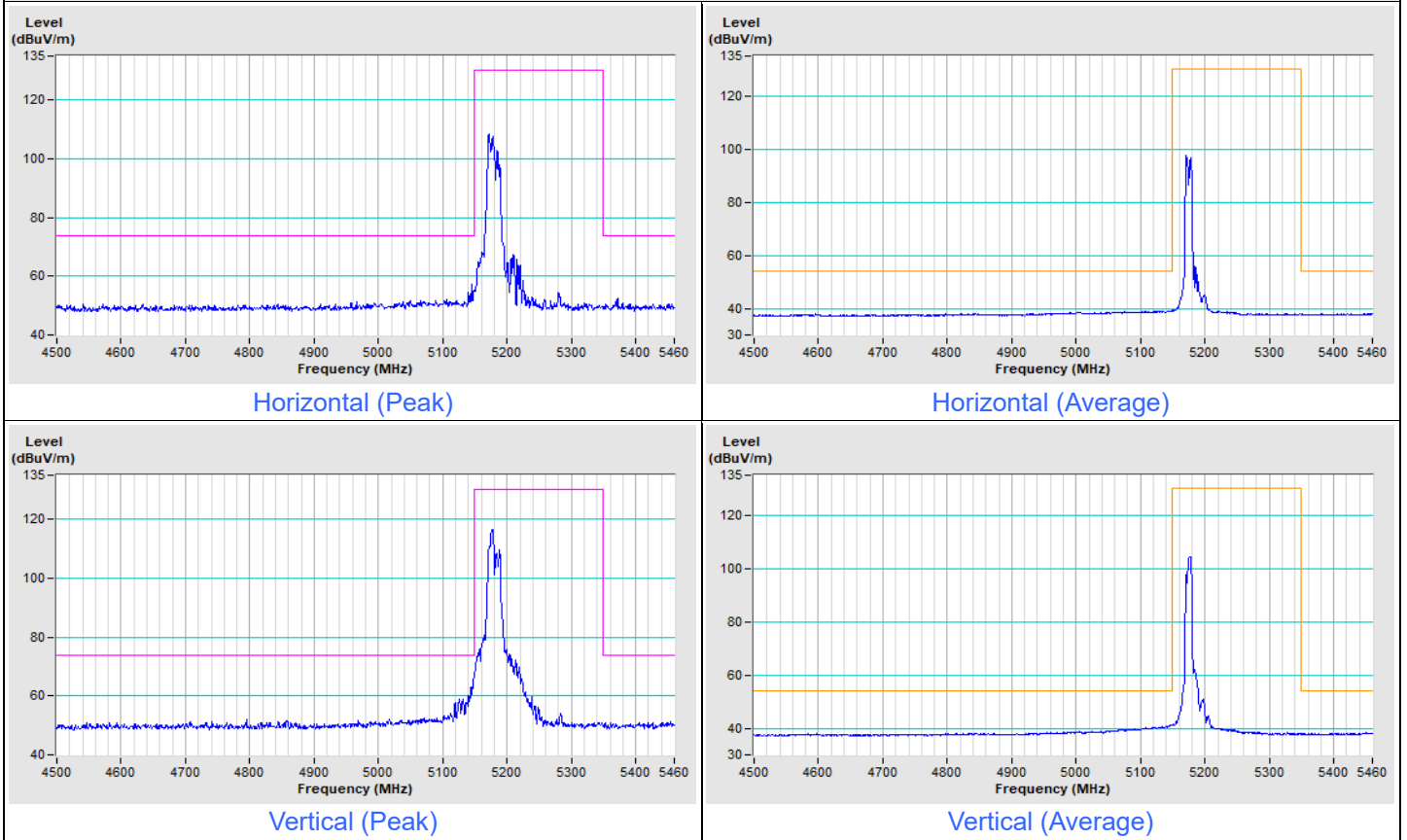


20 MHz Preamble 802.11ax (RU2) Channel 165

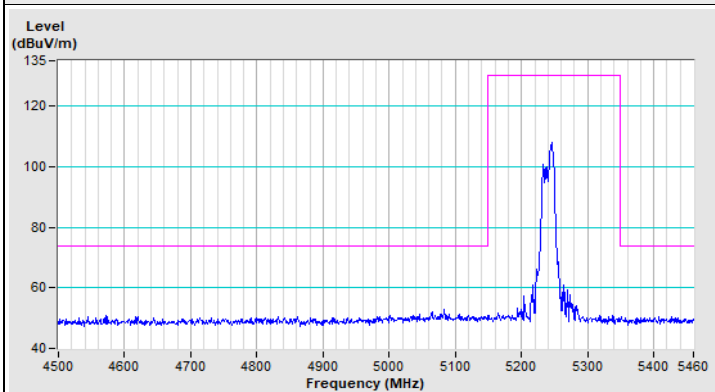


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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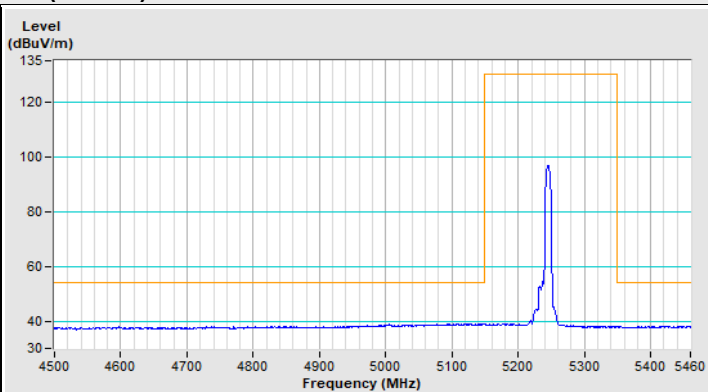
20 MHz Preamble 802.11ax (RU106) Channel 36



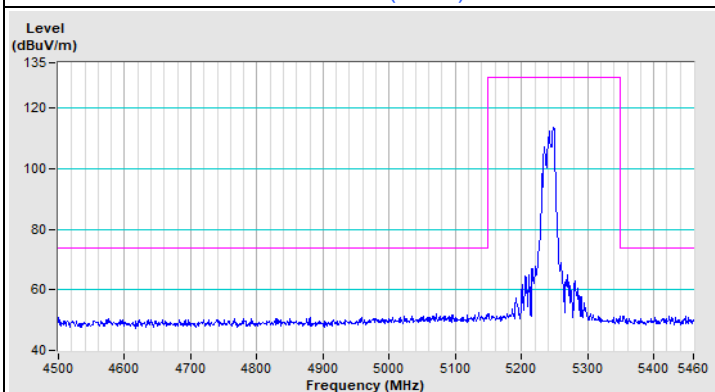
20 MHz Preamble 802.11ax (RU106) Channel 48



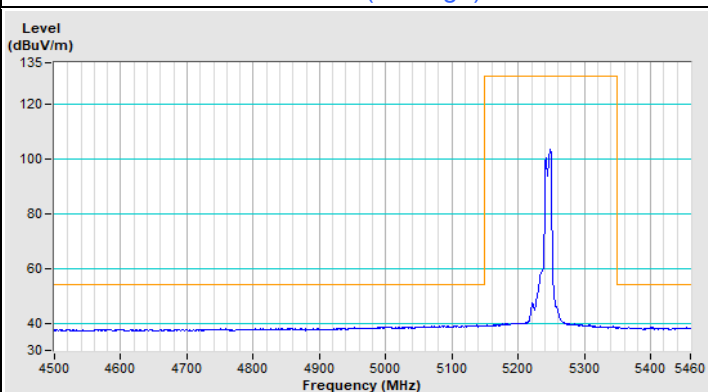
Horizontal (Peak)



Horizontal (Average)

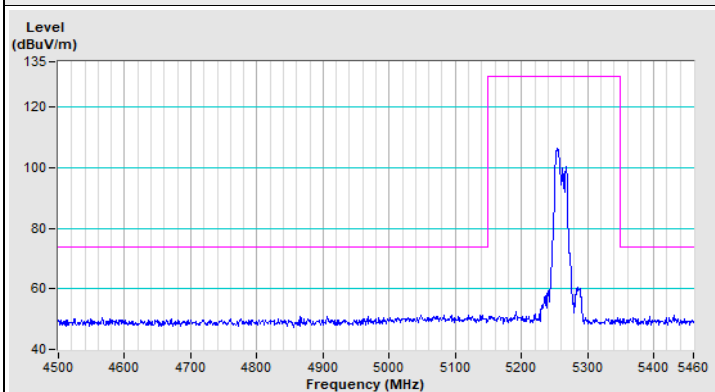


Vertical (Peak)

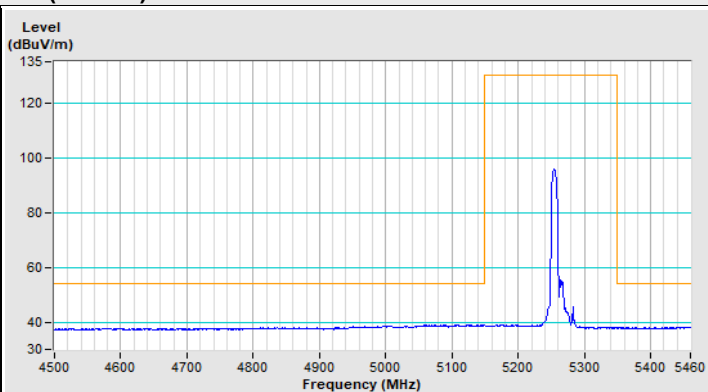


Vertical (Average)

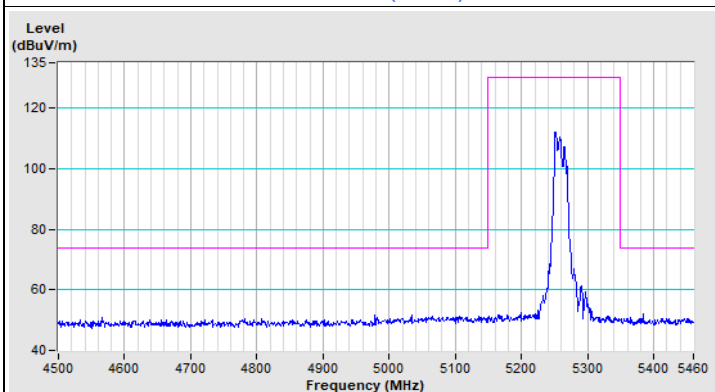
20 MHz Preamble 802.11ax (RU106) Channel 52



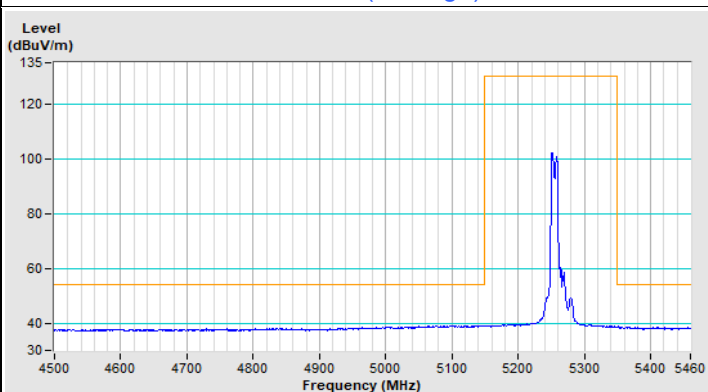
Horizontal (Peak)



Horizontal (Average)

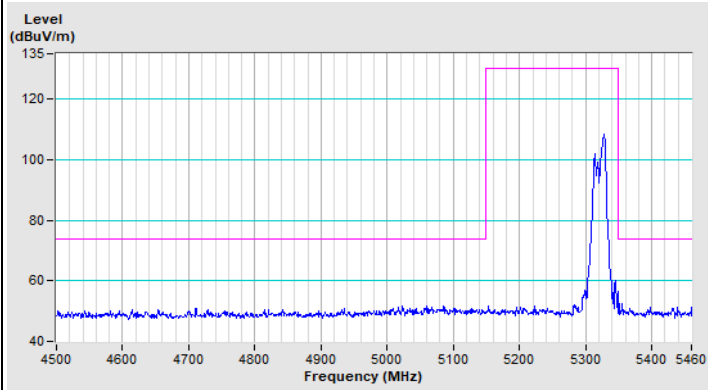


Vertical (Peak)

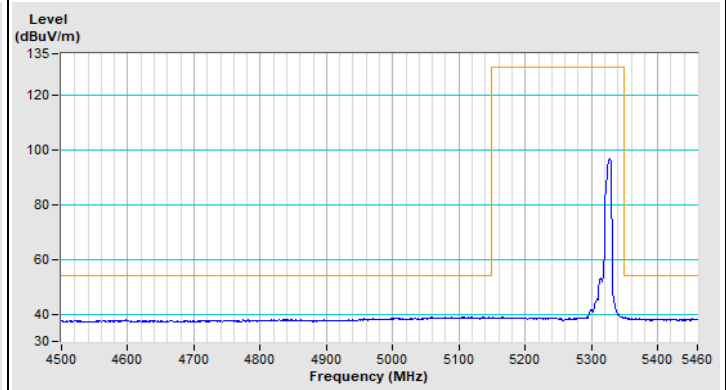


Vertical (Average)

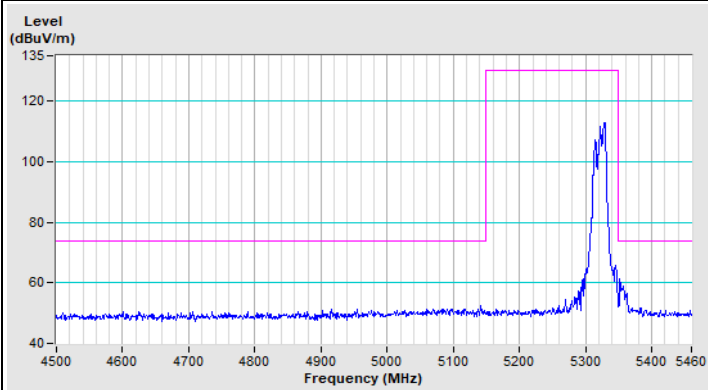
20 MHz Preamble 802.11ax (RU106) Channel 64



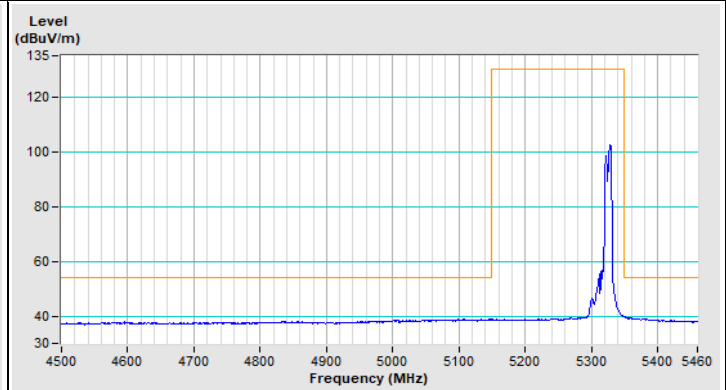
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

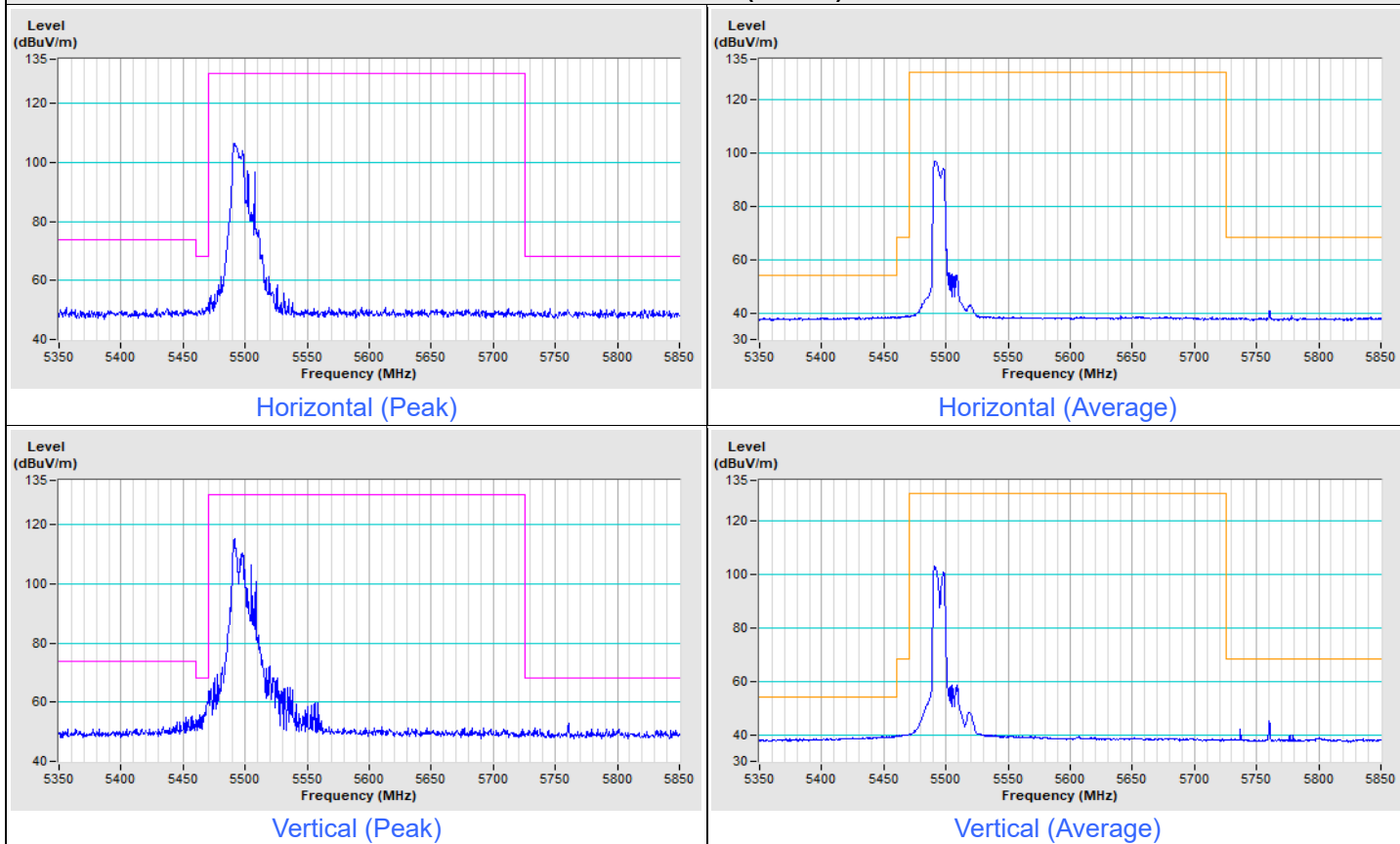


Vertical (Average)

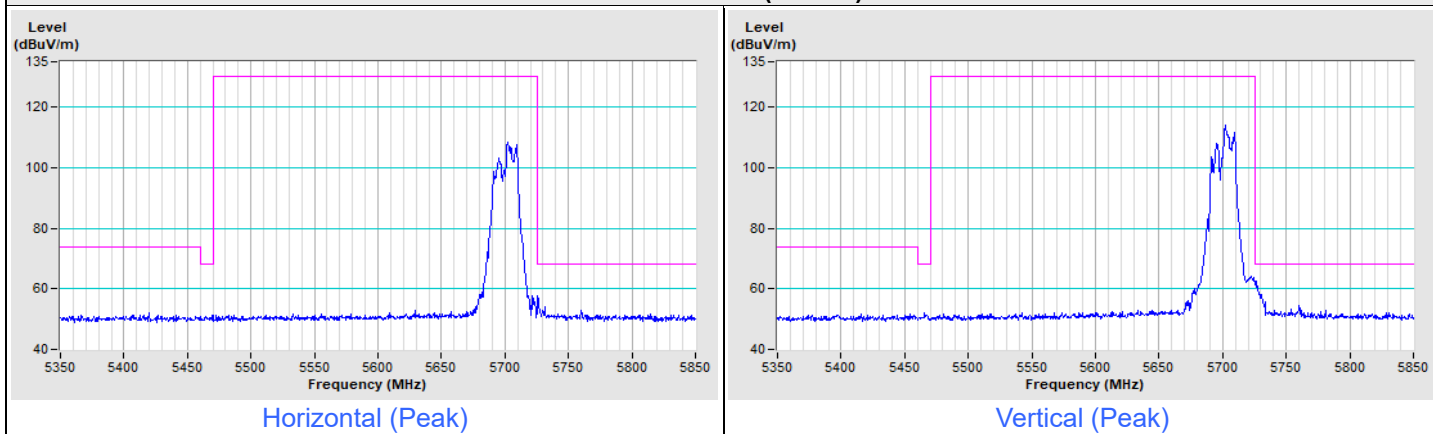


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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20 MHz Preamble 802.11ax (RU106) Channel 100



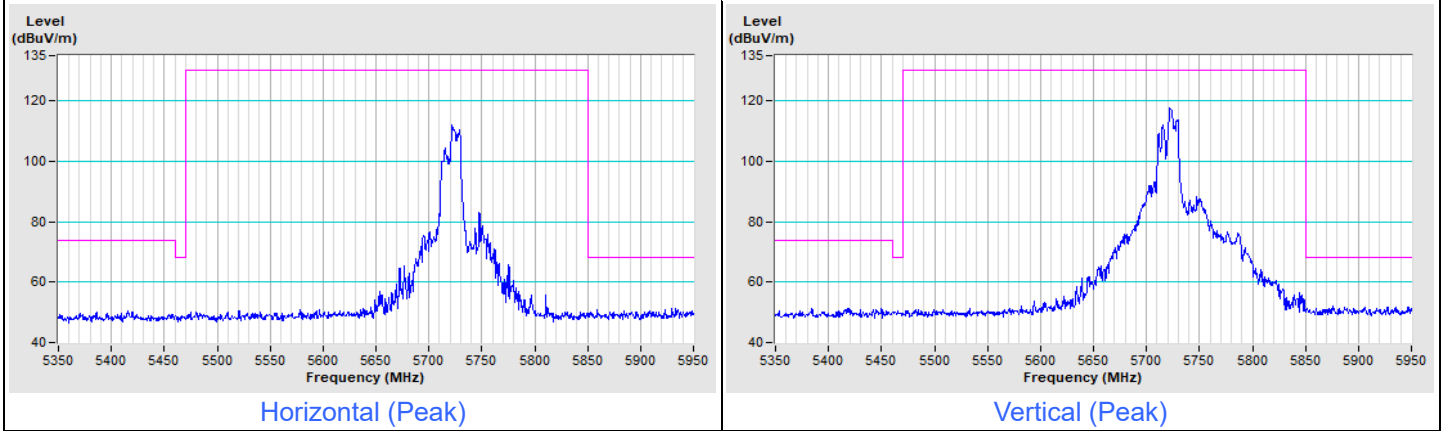
20 MHz Preamble 802.11ax (RU106) Channel 140





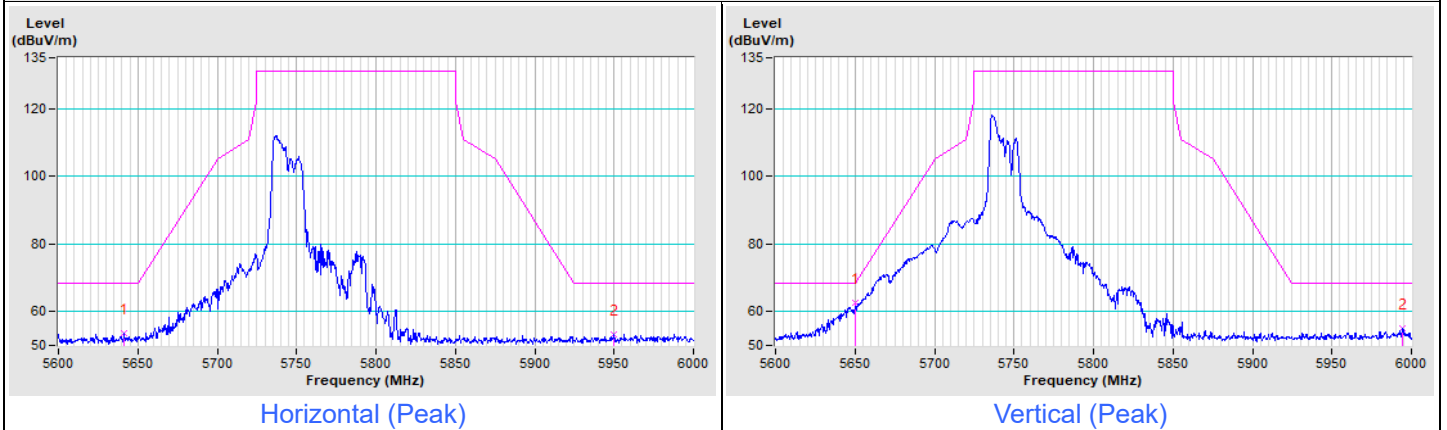
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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20 MHz Preamble 802.11ax (RU106) Channel 144

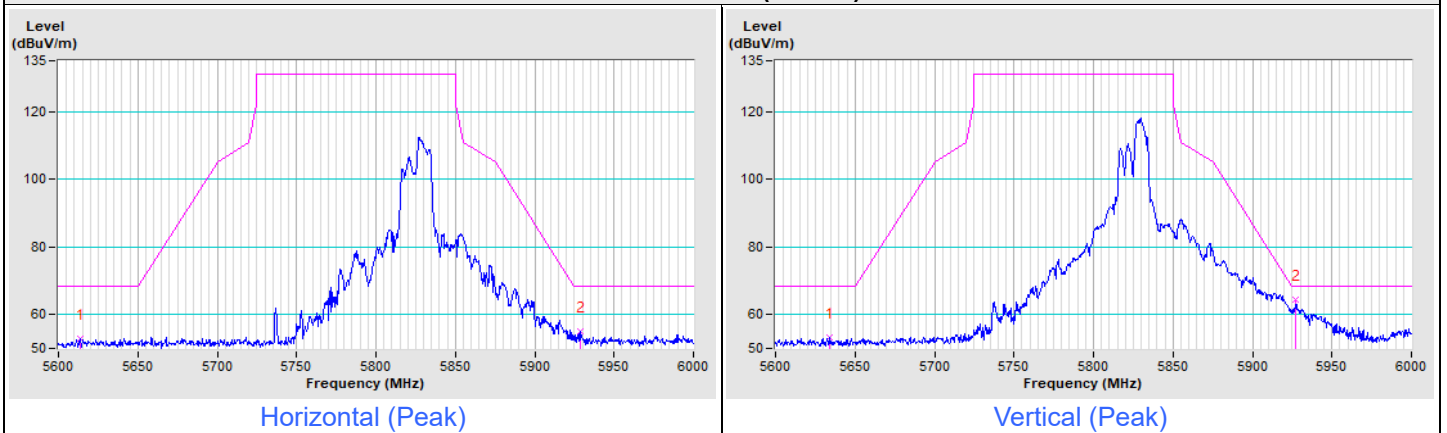


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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20 MHz Preamble 802.11ax (RU106) Channel 149



20 MHz Preamble 802.11ax (RU106) Channel 165



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

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