

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBEIQ-WTW-P25060179-4

FCC ID: APYHRO00339

Product: Smart phone

Brand: SHARP

Received Date: 2025/6/25

Test Date: 2025/7/11 ~ 2025/7/22

Issued Date: 2025/9/2

Applicant: SHARP Corporation Mobile Communication BU

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003 for Test Location(1)

Designation Number: 281270 / TW0032 for Test Location(2)

Approved by: _____

Jeremy Lin

Date: _____

2025/9/2

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEIQ-WTW-P25060179-4	Original release.	2025/9/2

1 Certificate

Product: Smart phone

Brand: SHARP

Sample Status: DVT

Applicant: SHARP Corporation Mobile Communication BU

Test Date: 2025/7/11 ~ 2025/7/22

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

Measurement procedure: ANSI C63.10-2013

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -23.42 dB at 0.58600 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -13.6 dB at 757.50 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 -6.1 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Smart phone
Brand	SHARP
Status of EUT	DVT
Power Supply Rating	5.0Vdc (from adapter) 3.89Vdc (from battery)
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 600.4 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	5.18 GHz ~ 5.24 GHz : 12.56 mW (10.99 dBm) 5.26 GHz ~ 5.32 GHz : 12.531 mW (10.98 dBm) 5.5 GHz ~ 5.72 GHz : 7.87 mW (8.96 dBm) 5.745 GHz ~ 5.825 GHz : 7.907 mW (8.98 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Description
Battery (Contain in Smart phone)	-	-	Rating: 3.89V, Rated 4950mAh (19.3Wh), Typ. 5000mAh(19.5Wh)
AC Charger (Support unit)	DSA	10PF06-05 FUS	Input Power: 100-240V, 50/60Hz, 0.3A Output Power: 5.0V $\overline{\text{~}}$ 2 A, 10.0W
Data Cable (Type C Cable) (Support unit)	Kingpower	K201-05130-00	1m shielded cable without core
Headset (Support unit)	Apple	EarPods (USB-C)	1.14m

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Frequency range	Antenna Gain (dBi)	Connector Type
PIFA	5.15~5.25GHz	-0.7	ipex(MHF)
	5.25~5.35GHz	-0.8	
	5.47~5.725GHz	-1.8	
	5.725~5.85GHz	-2.9	

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

2. The EUT incorporates a SISO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	1TX	1RX
802.11n (HT20)	1TX	1RX
802.11n (HT40)	1TX	1RX
802.11ac (VHT20)	1TX	1RX
802.11ac (VHT40)	1TX	1RX
802.11ac (VHT80)	1TX	1RX
802.11ax (HE20)	1TX	1RX
802.11ax (HE40)	1TX	1RX
802.11ax (HE80)	1TX	1RX
802.11ax (RU26/52/106/242/484/996)	1TX	1RX

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) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz). Therefore the investigated worst case is the representative mode in test report.
- The EUT does not use channel puncturing and bandwidth reduction.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

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

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

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
26 dB Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE40) 242-tone RU	38, 62, 102, 134, 142, 151, 159	BPSK	MCS0	61, 62, 61, 62, 62, 61, 62
802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	65, 66, 65, 66, 66, 65	
RF Output Power	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ac (VHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ac (VHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
RF Output Power	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE40) 242-tone RU	38, 62, 102, 134, 142, 151, 159	BPSK	MCS0	61, 62, 61, 62, 62, 61, 62
	802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	65, 66, 65, 66, 66, 65
Power Spectral Density	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE40) 242-tone RU	38, 62, 102, 134, 142, 151, 159	BPSK	MCS0	61, 62, 61, 62, 62, 61, 62
	802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	65, 66, 65, 66, 66, 65
6 dB Bandwidth	802.11a	144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) Full RU	144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	138, 155	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	144, 149, 165	BPSK	MCS0	8, 0, 8
	802.11ax (HE20) 52-tone RU	144, 149, 165	BPSK	MCS0	40, 37, 40
	802.11ax (HE20) 106-tone RU	144, 149, 165	BPSK	MCS0	54, 53, 54
	802.11ax (HE40) 242-tone RU	142, 151, 159	BPSK	MCS0	62, 61, 62
	802.11ax (HE80) 484-tone RU	138, 155	BPSK	MCS0	66, 65

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Occupied Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE40) 242-tone RU	38, 62, 102, 134, 142, 151, 159	BPSK	MCS0	61, 62, 61, 62, 61, 61, 62
	802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	65, 66, 65, 66, 65, 65
AC Power Conducted Emissions	802.11ax (HE40) Full RU	46	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	802.11ax (HE40) Full RU	46	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) Full RU	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE20) 26-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE40) 242-tone RU	38, 62, 102, 134, 142, 151, 159	BPSK	MCS0	61, 62, 61, 62, 61, 61, 62
	802.11ax (HE80) 484-tone RU	42, 58, 106, 122, 138, 155	BPSK	MCS0	65, 66, 65, 66, 65, 65

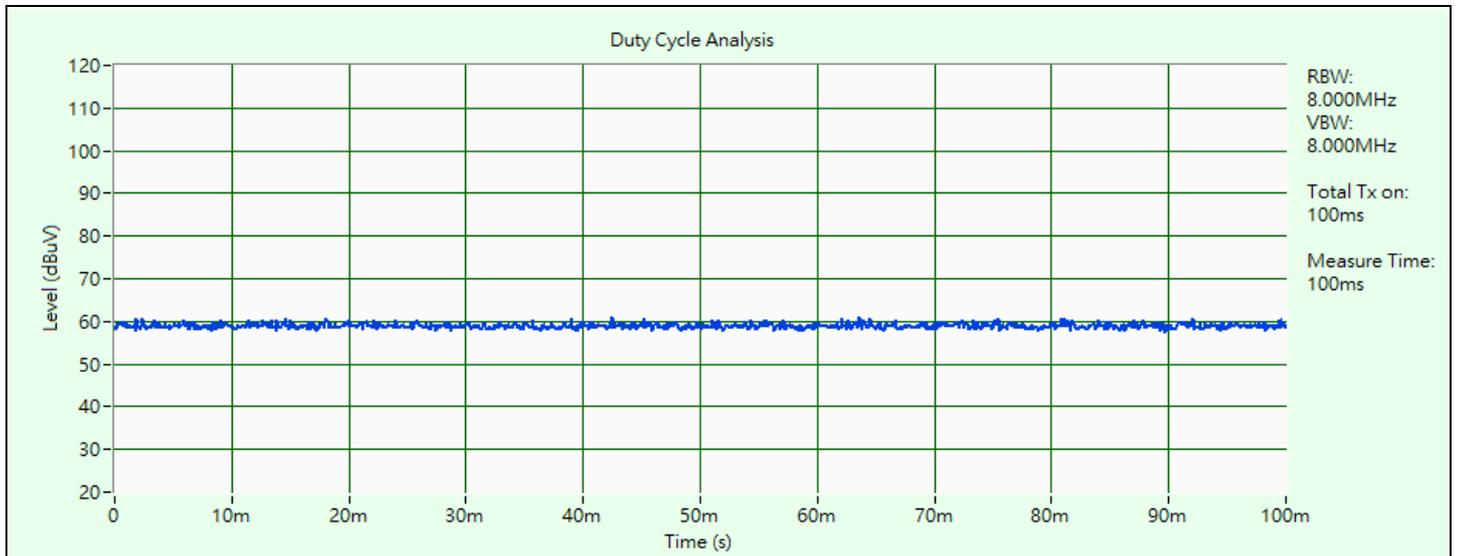
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 100 ms / 100 ms x 100% = 100.0%

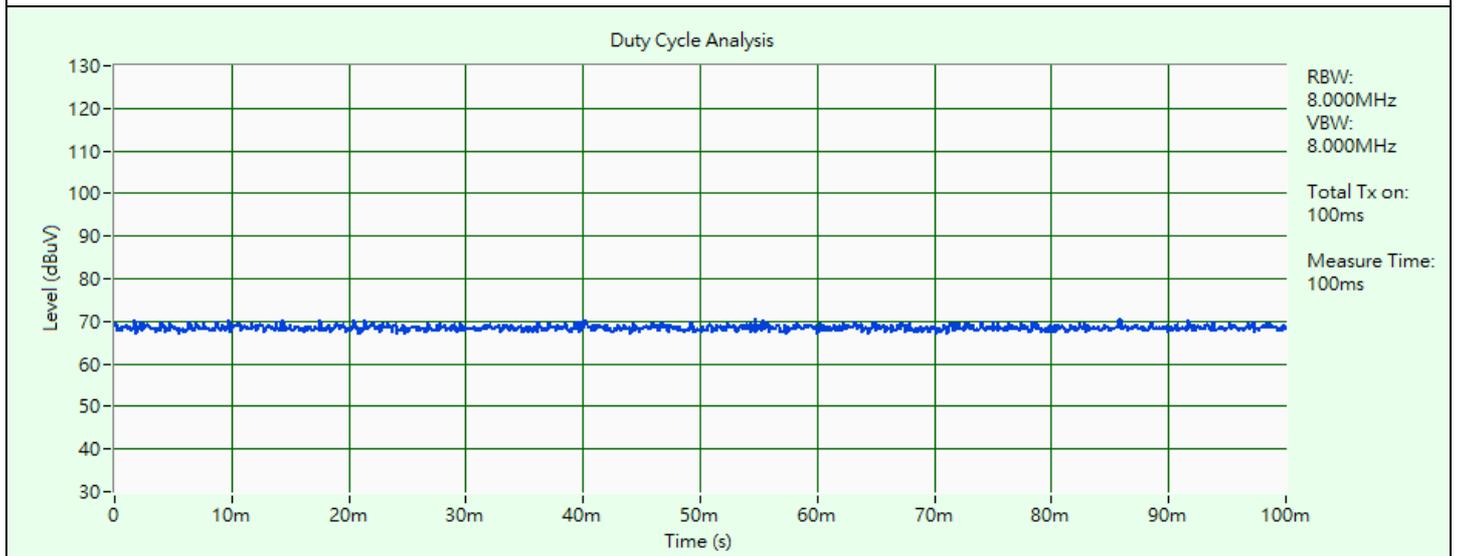
802.11ax (HE20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

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

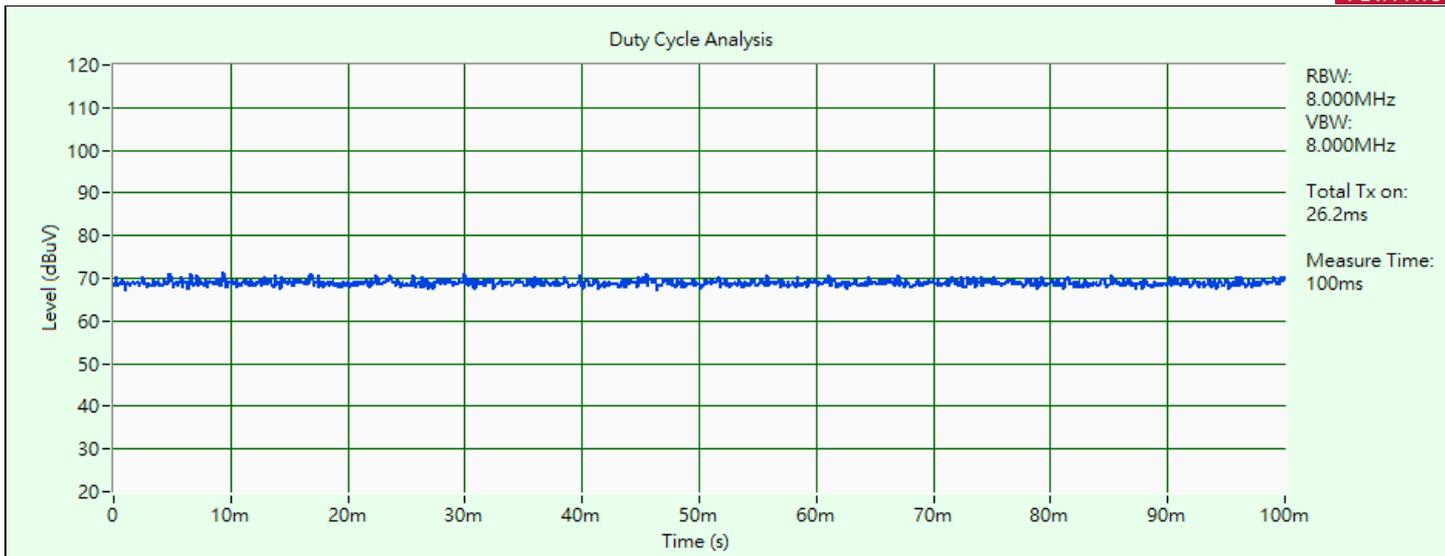
802.11ax (HE80): Duty cycle = 100 ms / 100 ms x 100% = 100.0%



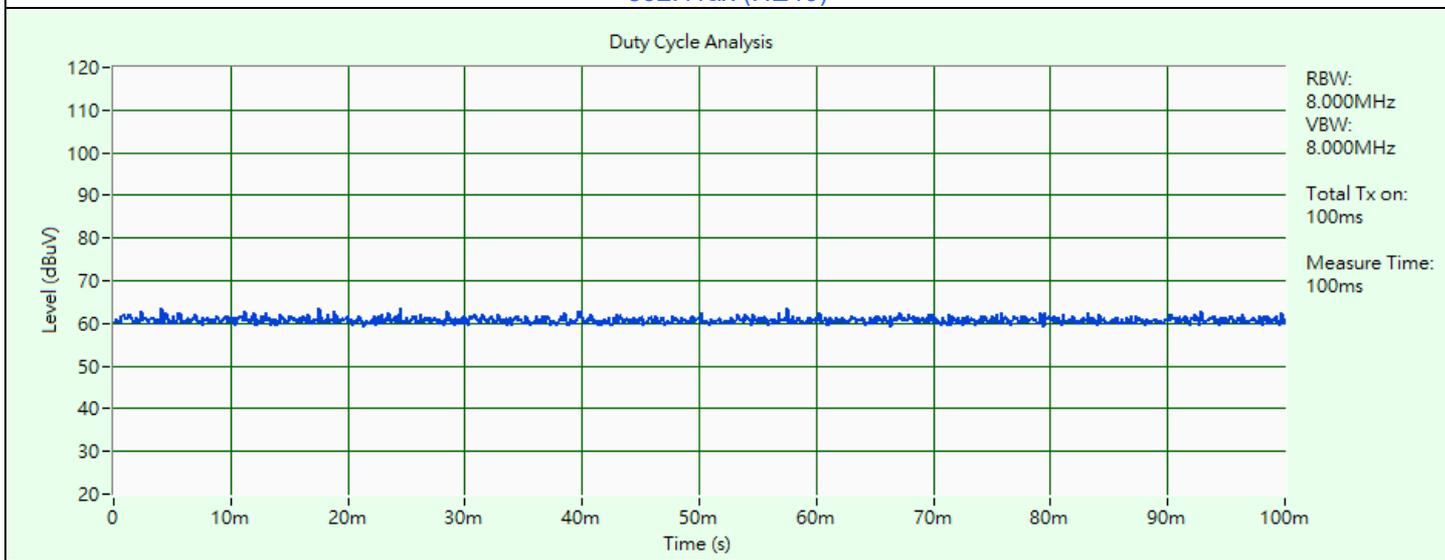
802.11a



802.11ax (HE20)



802.11ax (HE40)

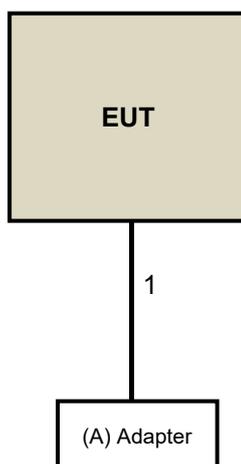


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software QRCT V4.0.210.0 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	DSA	10PF06-05 FUS	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Data Cable	1	1	Y	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
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Signal & Spectrum Analyzer R&S	FSW43	101582	2025/4/15	2026/4/14
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/7/11

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Peak Power Analyzer Keysight	8990B	MY51000485	2025/1/20	2026/1/19
Signal & Spectrum Analyzer R&S	FSW43	101582	2025/4/15	2026/4/14
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Wideband Power Sensor Keysight	N1923A	MY58020002	2025/1/21	2026/1/20
		MY58140009	2025/1/21	2026/1/20

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/7/11

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01617	2025/4/27	2026/4/26
EMI Test Receiver R&S	ESR3	102783	2024/12/17	2025/12/16
LISN R&S	ESH2-Z5	100100	2025/3/5	2026/3/4
	ESH3-Z5	100312	2024/9/9	2025/9/8
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2024/8/25	2025/8/24
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2025/7/22

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1213	2024/10/14	2025/10/13
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC330N	980782	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201233	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201235	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201236(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2025/7/22

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Horn Antenna RFSPIN	DRH18-E	210103A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC118A45SE	980808	2024/12/26	2025/12/25
	EMC184045SE	980788	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210102	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201231	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201243	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8.
2. Tested Date: 2025/7/17 ~ 2025/7/22

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

5.3 Power Spectral Density

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	17 dBm/MHz
	Fixed point-to-point Access Points	
	Indoor Access Point	
	Client devices	11 dBm/MHz

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

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

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

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

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

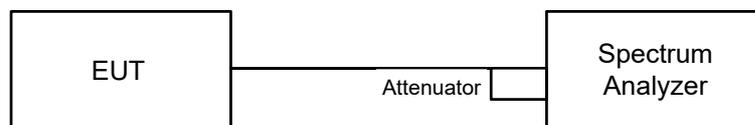
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

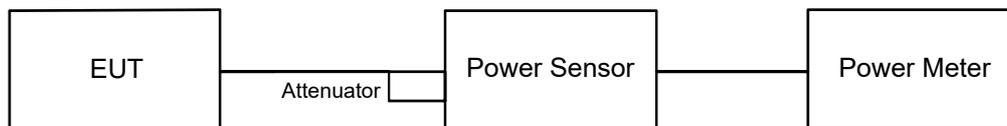


6.1.2 Test Procedure

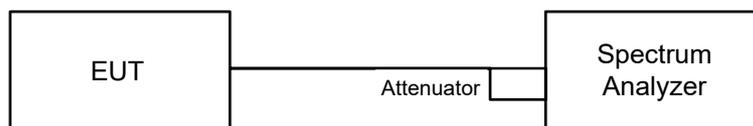
- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat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

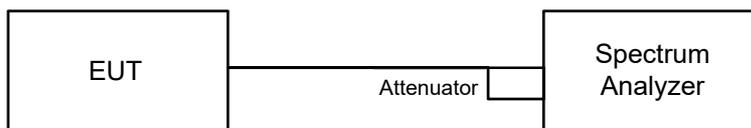
Method SA-1

- 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

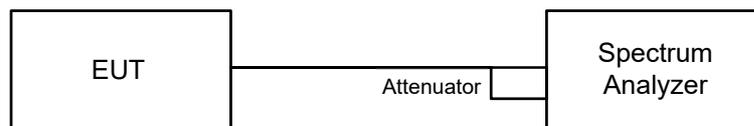
For specified measurement bandwidth 500 kHz:

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

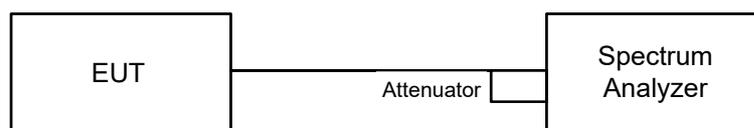


6.4.2 Test Procedure

- 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

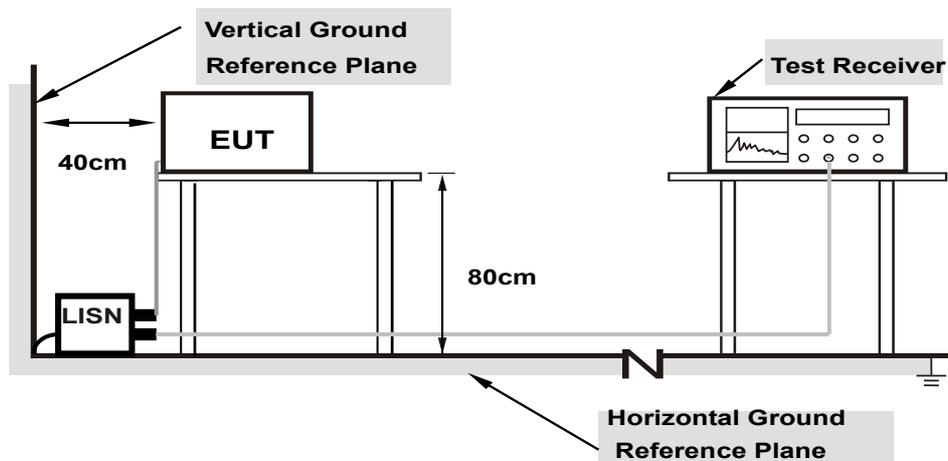


6.5.2 Test Procedure

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 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

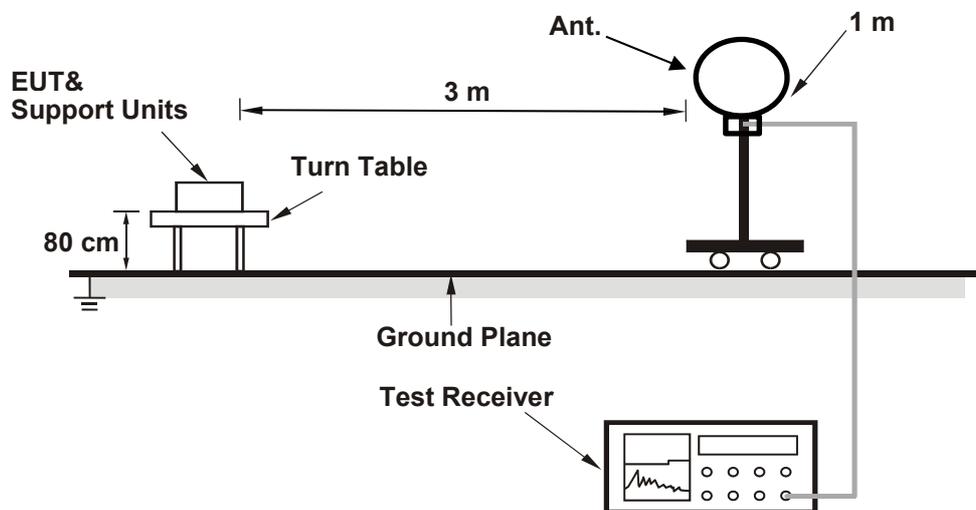
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

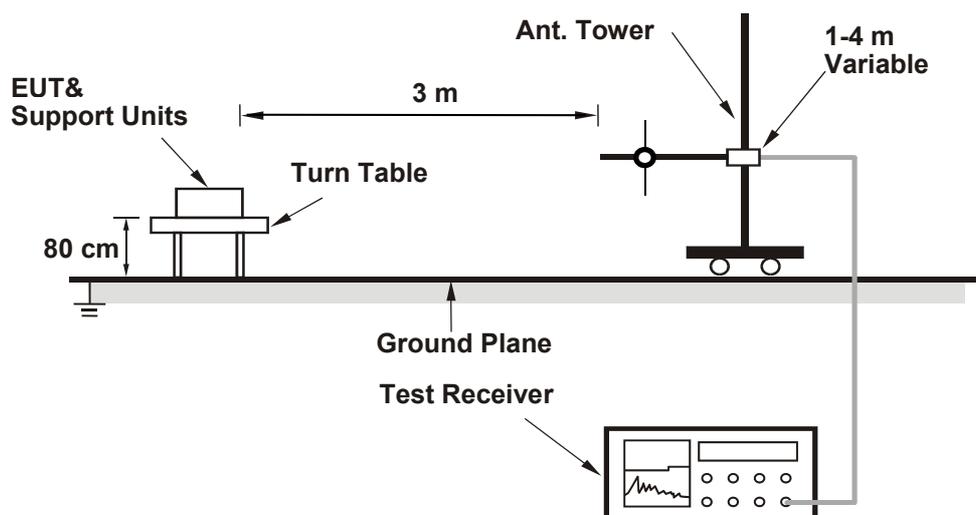
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

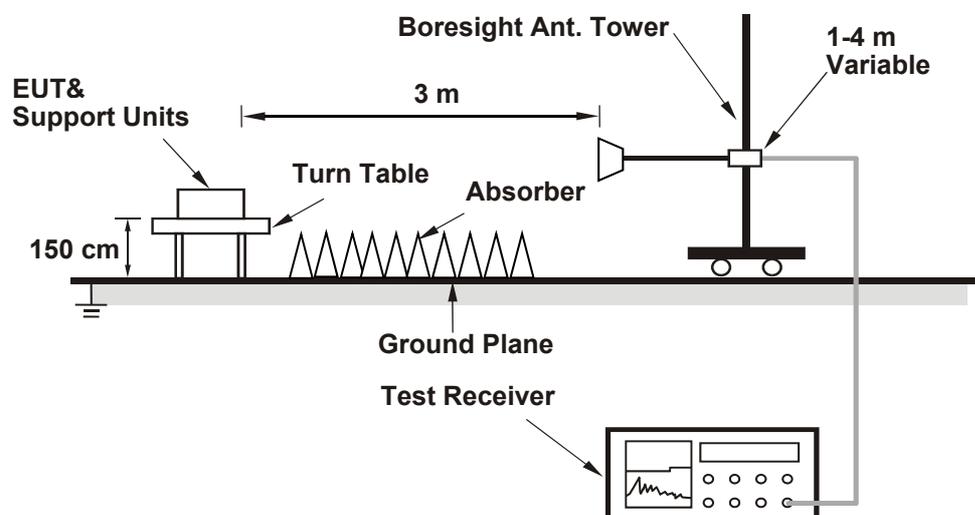
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.89 Vdc	Environmental Conditions:	25°C, 76% RH	Tested By:	Ian Chang
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	19.24
60	5300	19.18
64	5320	18.75
100	5500	19.14
116	5580	18.78
140	5700	19.16
144 (U-NII-2C)	5720	14.42
144 (U-NII-3)	5720	4.75

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	19.24	23.84 < 24
60	5300	19.18	23.82 < 24
64	5320	18.75	23.73 < 24
100	5500	19.14	23.81 < 24
116	5580	18.78	23.73 < 24
140	5700	19.16	23.82 < 24
144 (U-NII-2C)	5720	14.42	22.58 < 24

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

Full RU:

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
52	5260	21.01
60	5300	20.93
64	5320	20.85
100	5500	20.98
116	5580	20.89
140	5700	21.03
144 (U-NII-2C)	5720	15.48
144 (U-NII-3)	5720	5.33

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.01	24.22 > 24
60	5300	20.93	24.2 > 24
64	5320	20.85	24.19 > 24
100	5500	20.98	24.21 > 24
116	5580	20.89	24.19 > 24
140	5700	21.03	24.22 > 24
144 (U-NII-2C)	5720	15.48	22.89 < 24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
54	5270	39.97
62	5310	40.57
102	5510	40
110	5550	39.92
134	5670	40.2
142 (U-NII-2C)	5710	35.23
142 (U-NII-3)	5710	5.35

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	39.97	27.01 > 24
62	5310	40.57	27.08 > 24
102	5510	40.00	27.02 > 24
110	5550	39.92	27.01 > 24
134	5670	40.20	27.04 > 24
142 (U-NII-2C)	5710	35.23	26.46 > 24

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

802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
58	5290	82.26
106	5530	82.18
122	5610	82.14
138 (U-NII-2C)	5690	75.89
138 (U-NII-3)	5690	6.13

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	82.26	30.15 > 24
106	5530	82.18	30.14 > 24
122	5610	82.14	30.14 > 24
138 (U-NII-2C)	5690	75.89	29.8 > 24

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

Partial RU:

802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
64	5320	20.51
100	5500	20.79
140	5700	20.36
144 (U-NII-2C)	5720	14.31
144 (U-NII-3)	5720	6.4

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	20.51	24.11 > 24
100	5500	20.79	24.17 > 24
140	5700	20.36	24.08 > 24
144 (U-NII-2C)	5720	14.31	22.55 < 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)
64	5320	20.47
100	5500	21.17
140	5700	20.75
144 (U-NII-2C)	5720	14.55
144 (U-NII-3)	5720	6.26

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	20.47	24.11 > 24
100	5500	21.17	24.25 > 24
140	5700	20.75	24.17 > 24
144 (U-NII-2C)	5720	14.55	22.62 < 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)
64	5320	21.2
100	5500	21.53
140	5700	20.88
144 (U-NII-2C)	5720	14.75
144 (U-NII-3)	5720	5.98

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	21.20	24.26 > 24
100	5500	21.53	24.33 > 24
140	5700	20.88	24.19 > 24
144 (U-NII-2C)	5720	14.75	22.68 < 24

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

802.11ax (HE40) 242-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
62	5310	42.47
102	5510	42.84
134	5670	42.75
142 (U-NII-2C)	5710	35.33
142 (U-NII-3)	5710	7.48

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
62	5310	42.47	27.28 > 24
102	5510	42.84	27.31 > 24
134	5670	42.75	27.3 > 24
142 (U-NII-2C)	5710	35.33	26.48 > 24

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

802.11ax (HE80) 484-tone RU

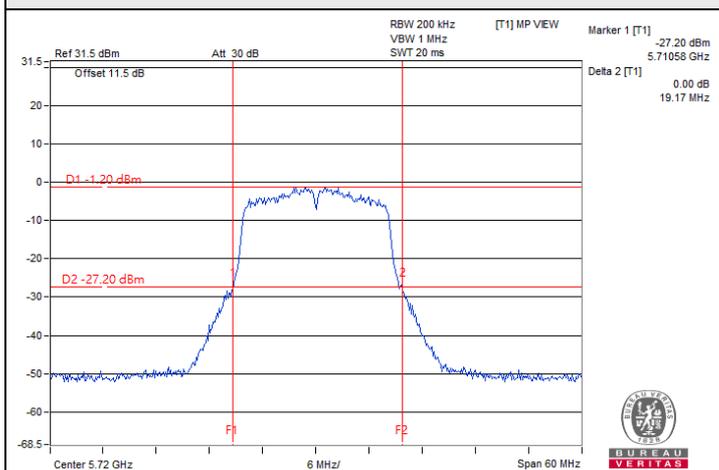
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
58	5290	87.7
106	5530	88.58
122	5610	86.17
138 (U-NII-2C)	5690	76.63
138 (U-NII-3)	5690	10.62

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	87.70	30.42 > 24
106	5530	88.58	30.47 > 24
122	5610	86.17	30.35 > 24
138 (U-NII-2C)	5690	76.63	29.84 > 24

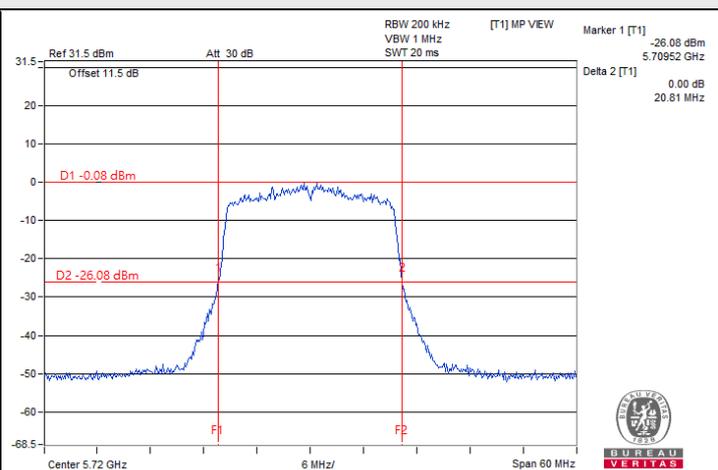
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.



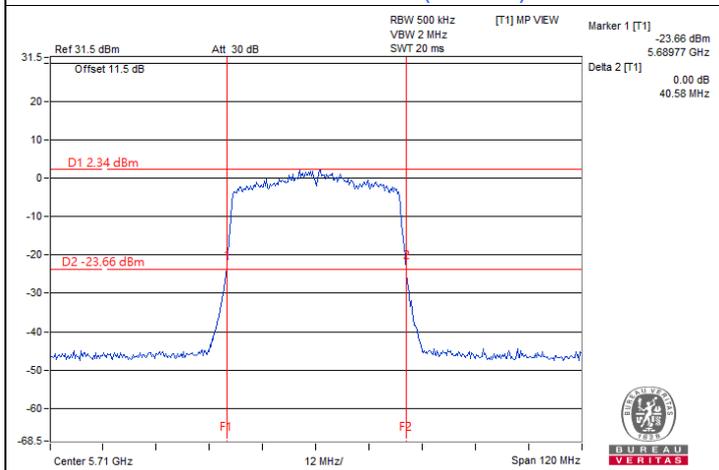
Spectrum Plot of Minimum Value



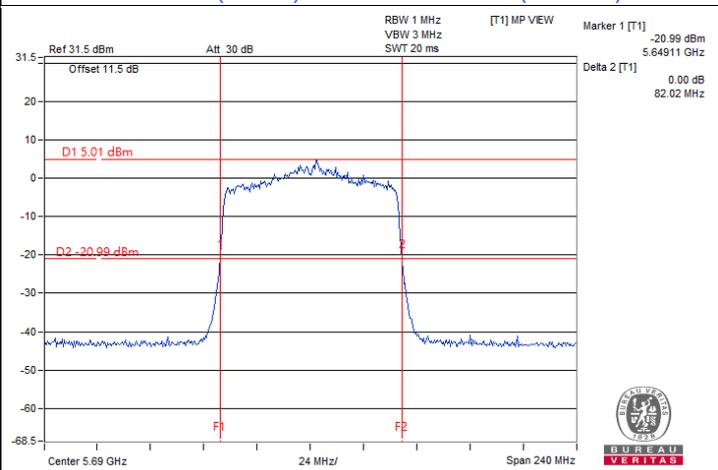
802.11a : CH 144 (U-NII-3)



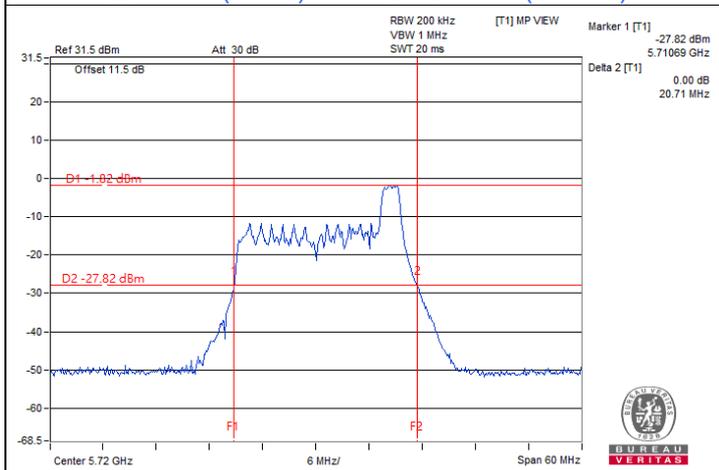
802.11ax (HE20) Full RU : CH 144 (U-NII-3)



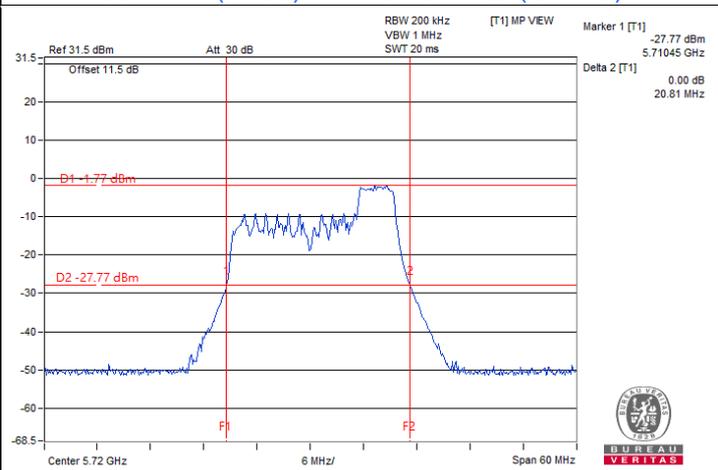
802.11ax (HE40) Full RU : CH 142 (U-NII-3)



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

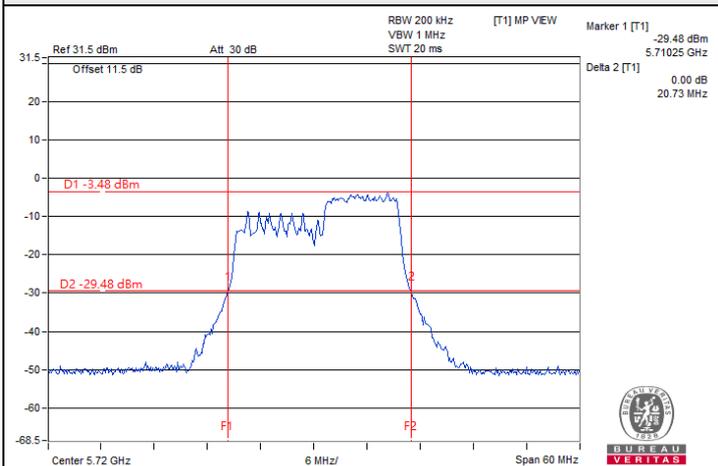


802.11ax (HE20) 26-tone RU : CH 144 (U-NII-3)

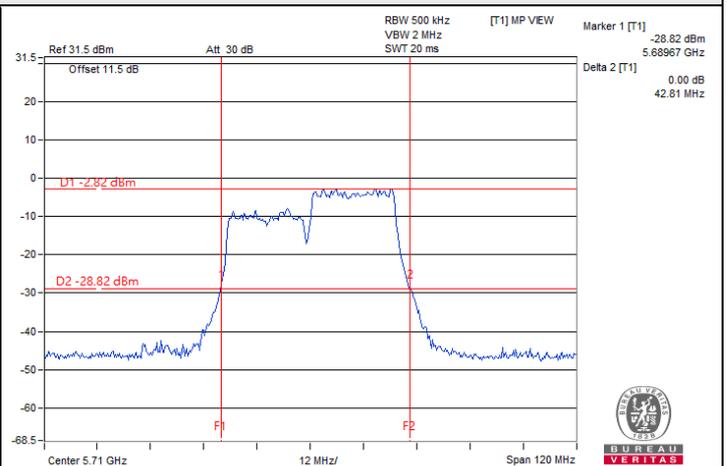


802.11ax (HE20) 52-tone RU : CH 144 (U-NII-3)

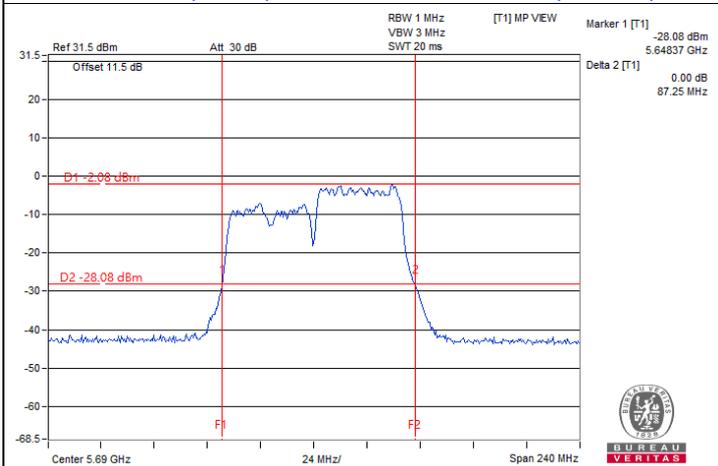
Spectrum Plot of Minimum Value



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



802.11ax (HE40) 242-tone RU : CH 142 (U-NII-3)



802.11ax (HE80) 484-tone RU : CH 138 (U-NII-3)

Notes:

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

7.2 RF Output Power

Input Power:	3.89 Vdc	Environmental Conditions:	25°C, 76% RH	Tested By:	Ian Chang
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	12.19	10.86	24	Pass
40	5200	12.274	10.89	24	Pass
48	5240	12.417	10.94	24	Pass
52	5260	12.531	10.98	23.84	Pass
60	5300	12.531	10.98	23.82	Pass
64	5320	11.614	10.65	23.73	Pass
100	5500	7.379	8.68	23.81	Pass
116	5580	7.328	8.65	23.73	Pass
140	5700	7.78	8.91	23.82	Pass
*144 (U-NII-2C)	5720	5.164	7.13	22.58	Pass
*144 (U-NII-3)	5720	0.8872	-0.52	30	Pass
149	5745	7.621	8.82	30	Pass
157	5785	7.87	8.96	30	Pass
165	5825	7.311	8.64	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	11.967	10.78	24	Pass
40	5200	11.94	10.77	24	Pass
48	5240	11.94	10.77	24	Pass
52	5260	12.106	10.83	24	Pass
60	5300	12.274	10.89	24	Pass
64	5320	11.695	10.68	24	Pass
100	5500	7.727	8.88	24	Pass
116	5580	7.586	8.80	24	Pass
140	5700	7.674	8.85	24	Pass
*144 (U-NII-2C)	5720	4.732	6.75	24	Pass
*144 (U-NII-3)	5720	1.03	0.13	30	Pass
149	5745	7.362	8.67	30	Pass
157	5785	7.745	8.89	30	Pass
165	5825	7.745	8.89	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	12.303	10.90	24	Pass
46	5230	12.331	10.91	24	Pass
54	5270	12.162	10.85	24	Pass
62	5310	11.695	10.68	24	Pass
102	5510	7.194	8.57	24	Pass
110	5550	7.534	8.77	24	Pass
134	5670	7.638	8.83	24	Pass
*142 (U-NII-2C)	5710	5.236	7.19	24	Pass
*142 (U-NII-3)	5710	0.4178	-3.79	30	Pass
151	5755	7.709	8.87	30	Pass
159	5795	7.112	8.52	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
2. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	12.078	10.82	24	Pass
40	5200	12.023	10.80	24	Pass
48	5240	12.106	10.83	24	Pass
52	5260	12.246	10.88	24	Pass
60	5300	12.388	10.93	24	Pass
64	5320	11.858	10.74	24	Pass
100	5500	7.816	8.93	24	Pass
116	5580	7.674	8.85	24	Pass
140	5700	7.798	8.92	24	Pass
*144 (U-NII-2C)	5720	4.775	6.79	24	Pass
*144 (U-NII-3)	5720	1.035	0.15	30	Pass
149	5745	7.482	8.74	30	Pass
157	5785	7.816	8.93	30	Pass
165	5825	7.834	8.94	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	12.445	10.95	24	Pass
46	5230	12.417	10.94	24	Pass
54	5270	12.359	10.92	24	Pass
62	5310	11.803	10.72	24	Pass
102	5510	7.311	8.64	24	Pass
110	5550	7.638	8.83	24	Pass
134	5670	7.727	8.88	24	Pass
*142 (U-NII-2C)	5710	5.346	7.28	24	Pass
*142 (U-NII-3)	5710	0.4246	-3.72	30	Pass
151	5755	7.816	8.93	30	Pass
159	5795	7.161	8.55	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is -0.7 dBi <= 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi <= 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi <= 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi <= 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	12.106	10.83	24	Pass
58	5290	11.749	10.70	24	Pass
106	5530	7.261	8.61	24	Pass
122	5610	7.211	8.58	24	Pass
*138 (U-NII-2C)	5690	6.31	8.00	24	Pass
*138 (U-NII-3)	5690	0.2183	-6.61	30	Pass
155	5775	7.656	8.84	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- For U-NII-1, the antenna gain is -0.7 dBi <= 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi <= 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi <= 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi <= 6 dBi, so the output power limit shall not be reduced.

Full RU:
802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	12.162	10.85	24	Pass
40	5200	12.134	10.84	24	Pass
48	5240	12.246	10.88	24	Pass
52	5260	12.359	10.92	24	Pass
60	5300	12.531	10.98	24	Pass
64	5320	11.967	10.78	24	Pass
100	5500	7.87	8.96	24	Pass
116	5580	7.727	8.88	24	Pass
140	5700	7.852	8.95	24	Pass
*144 (U-NII-2C)	5720	4.831	6.84	22.89	Pass
*144 (U-NII-3)	5720	1.04	0.17	30	Pass
149	5745	7.551	8.78	30	Pass
157	5785	7.907	8.98	30	Pass
165	5825	7.889	8.97	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	12.503	10.97	24	Pass
46	5230	12.56	10.99	24	Pass
54	5270	12.445	10.95	24	Pass
62	5310	11.858	10.74	24	Pass
102	5510	7.362	8.67	24	Pass
110	5550	7.745	8.89	24	Pass
134	5670	7.798	8.92	24	Pass
*142 (U-NII-2C)	5710	5.483	7.39	24	Pass
*142 (U-NII-3)	5710	0.4285	-3.68	30	Pass
151	5755	7.87	8.96	30	Pass
159	5795	7.178	8.56	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	12.246	10.88	24	Pass
58	5290	11.858	10.74	24	Pass
106	5530	7.311	8.64	24	Pass
122	5610	7.328	8.65	24	Pass
*138 (U-NII-2C)	5690	6.412	8.07	24	Pass
*138 (U-NII-3)	5690	0.2218	-6.54	30	Pass
155	5775	7.691	8.86	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

Partial RU:

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	1.483	1.71	24	Pass
64	5320	1.459	1.64	24	Pass
100	5500	0.975	-0.11	24	Pass
140	5700	0.9226	-0.35	24	Pass
*144 (U-NII-2C)	5720	0.001138	-29.44	22.55	Pass
*144 (U-NII-3)	5720	0.7413	-1.30	30	Pass
149	5745	0.9268	-0.33	30	Pass
165	5825	0.9886	-0.05	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.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	3.133	4.96	24	Pass
64	5320	3.006	4.78	24	Pass
100	5500	1.837	2.64	24	Pass
140	5700	1.932	2.86	24	Pass
*144 (U-NII-2C)	5720	0.007464	-21.27	22.62	Pass
*144 (U-NII-3)	5720	1.327	1.23	30	Pass
149	5745	1.897	2.78	30	Pass
165	5825	1.803	2.56	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	3.076	4.88	24	Pass
64	5320	2.917	4.65	24	Pass
100	5500	1.959	2.92	24	Pass
140	5700	1.932	2.86	24	Pass
*144 (U-NII-2C)	5720	0.6138	-2.12	22.68	Pass
*144 (U-NII-3)	5720	0.7998	-0.97	30	Pass
149	5745	1.954	2.91	30	Pass
165	5825	1.884	2.75	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
38	5190	3.083	4.89	24	Pass
62	5310	2.851	4.55	24	Pass
102	5510	1.91	2.81	24	Pass
134	5670	1.845	2.66	24	Pass
*142 (U-NII-2C)	5710	1.104	0.43	24	Pass
*142 (U-NII-3)	5710	0.309	-5.10	30	Pass
151	5755	1.928	2.85	30	Pass
159	5795	1.977	2.96	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) 484-tone RU

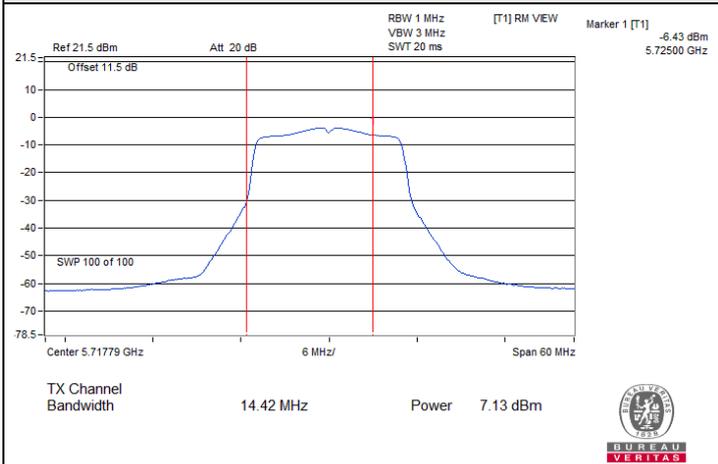
Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
42	5210	3.141	4.97	24	Pass
58	5290	3.083	4.89	24	Pass
106	5530	1.972	2.95	24	Pass
122	5610	1.928	2.85	24	Pass
*138 (U-NII-2C)	5690	1.279	1.07	24	Pass
*138 (U-NII-3)	5690	0.156	-8.07	30	Pass
155	5775	1.884	2.75	30	Pass

Notes:

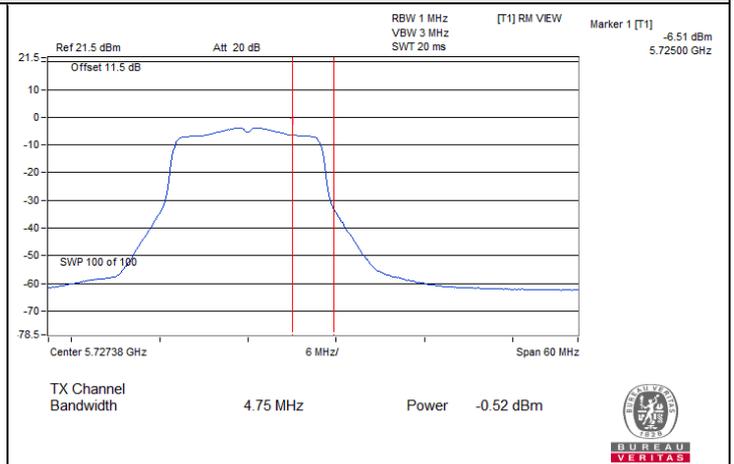
- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the output power limit shall not be reduced.



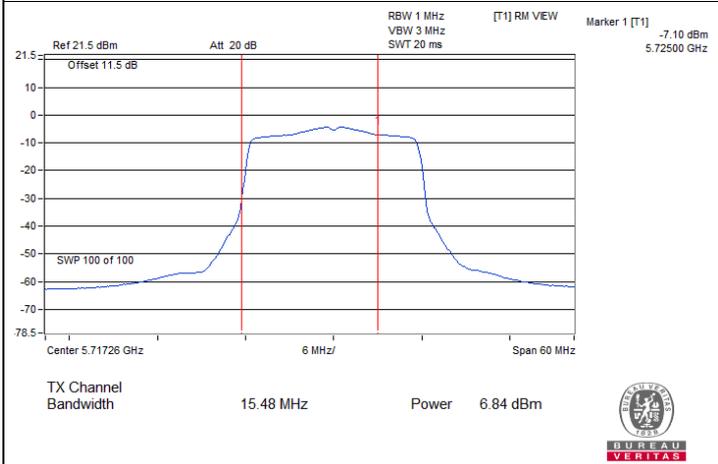
Spectrum Plot for channel straddling



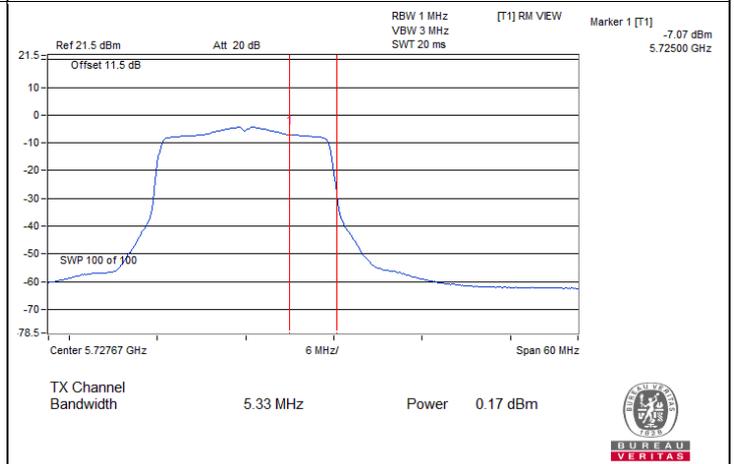
802.11a : CH 144 (U-NII-2C)



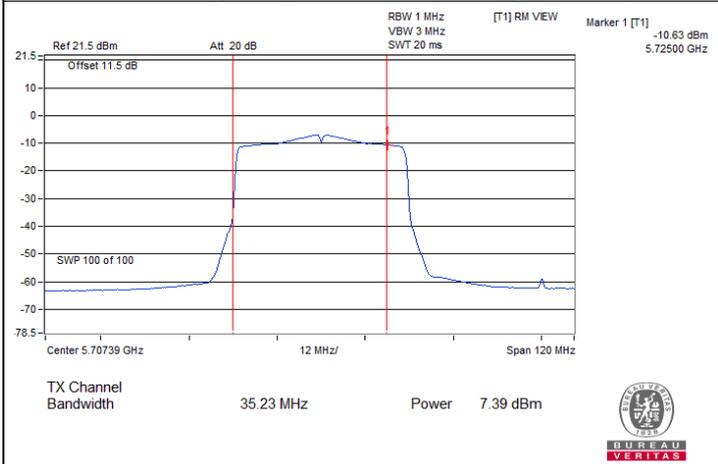
802.11a : CH 144 (U-NII-3)



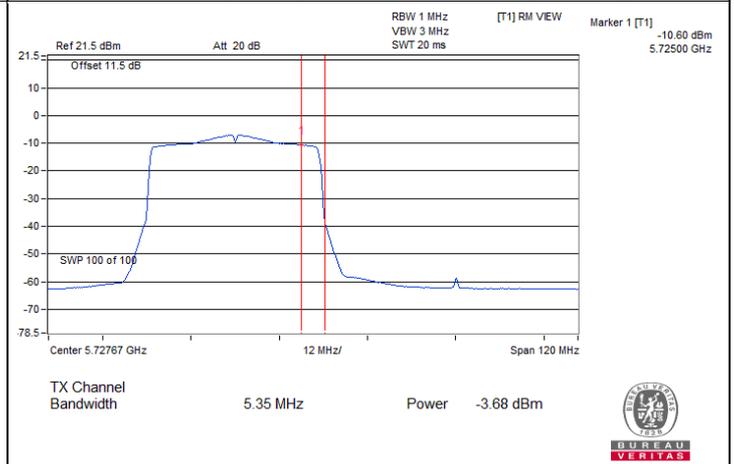
802.11ax (HE20) Full RU : CH 144 (U-NII-2C)



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



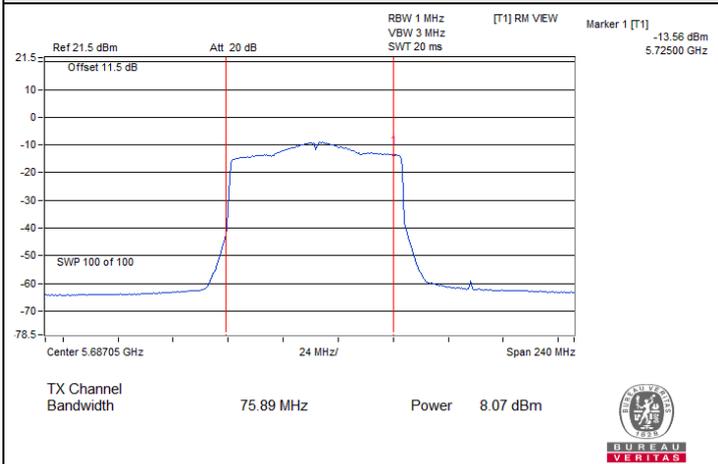
802.11ax (HE40) Full RU : CH 142 (U-NII-2C)



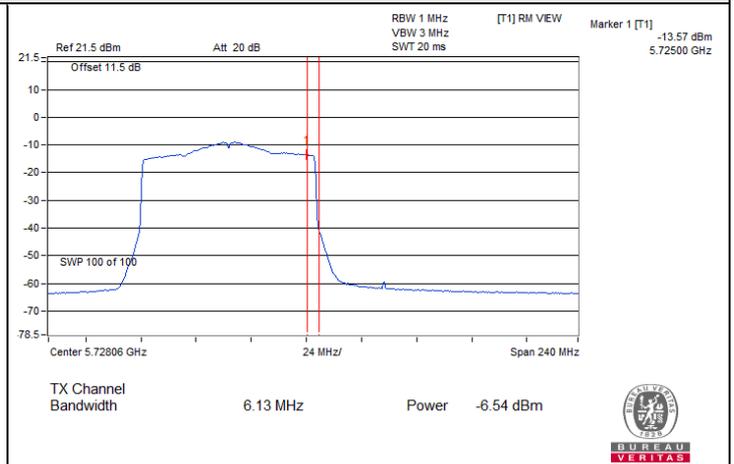
802.11ax (HE40) Full RU : CH 142 (U-NII-3)



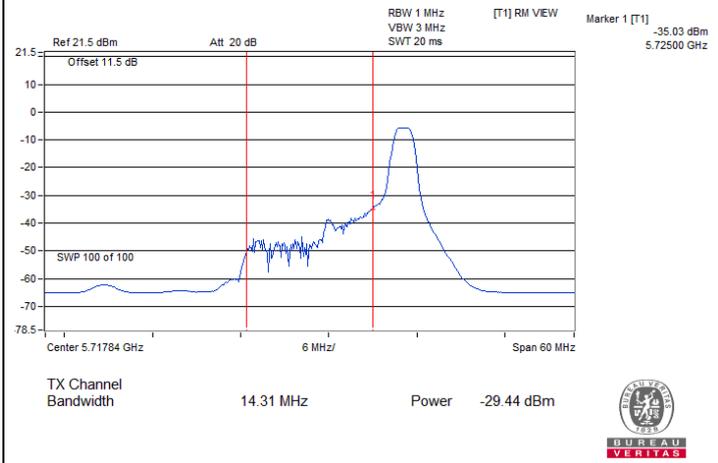
Spectrum Plot for channel straddling



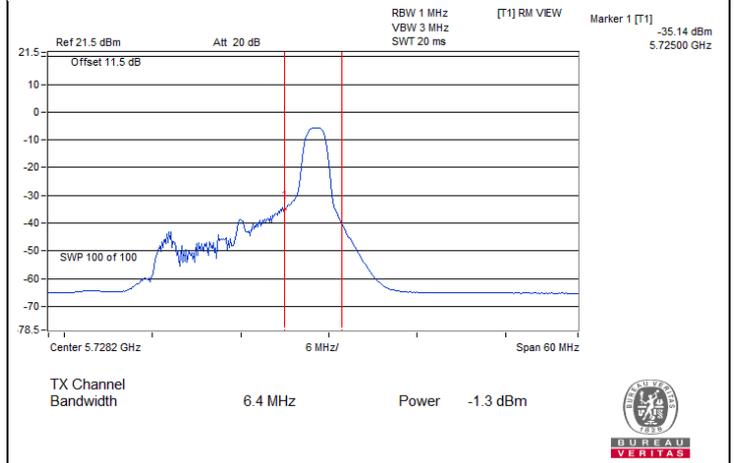
802.11ax (HE80) Full RU : CH 138 (U-NII-2C)



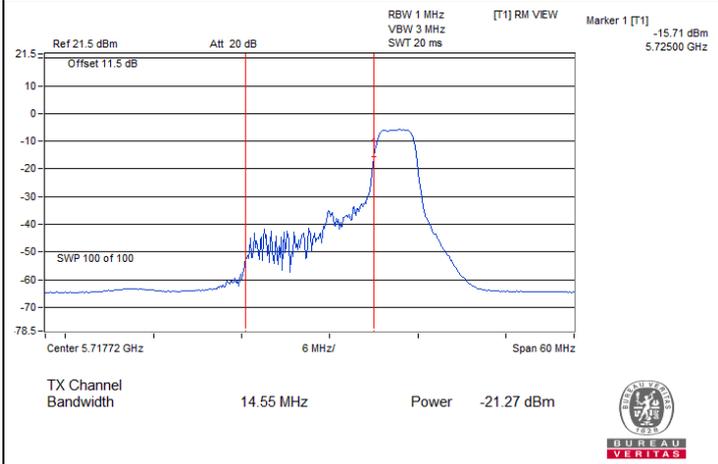
802.11ax (HE80) Full RU : CH 138 (U-NII-3)



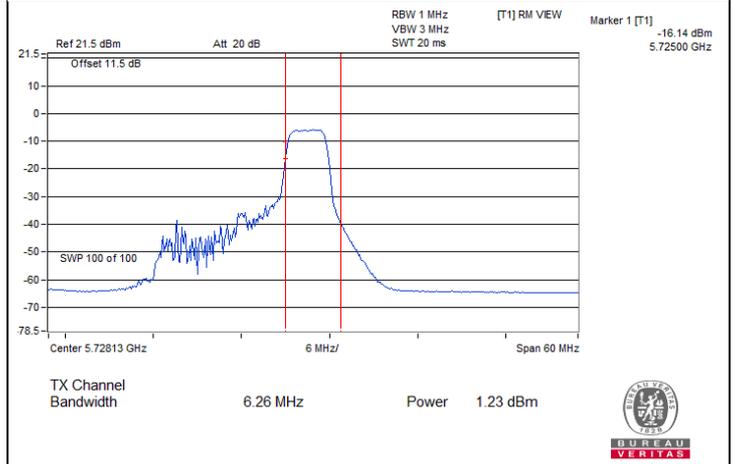
802.11ax (HE20) 26-tone RU : CH 144 (U-NII-2C)



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



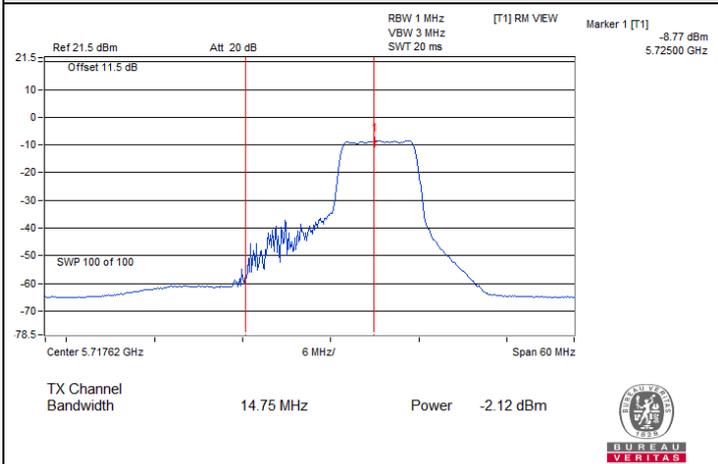
802.11ax (HE20) 52-tone RU : CH 144 (U-NII-2C)



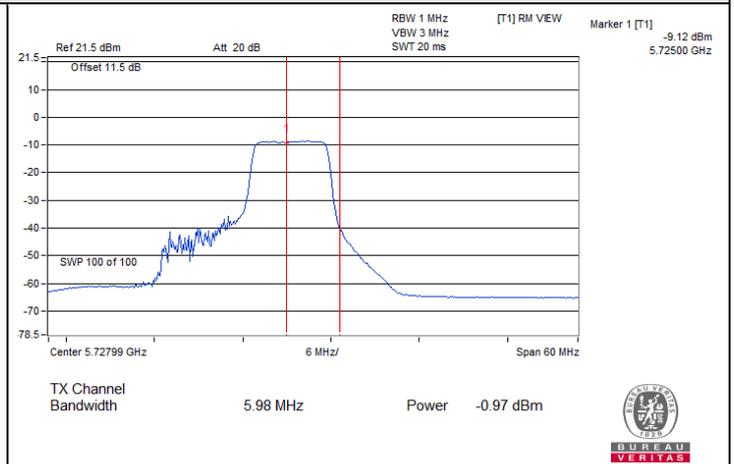
802.11ax (HE20) 52-tone RU : CH 144 (U-NII-3)



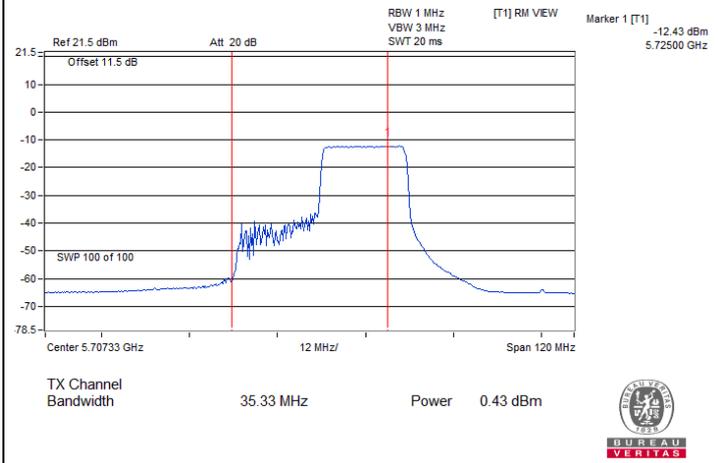
Spectrum Plot for channel straddling



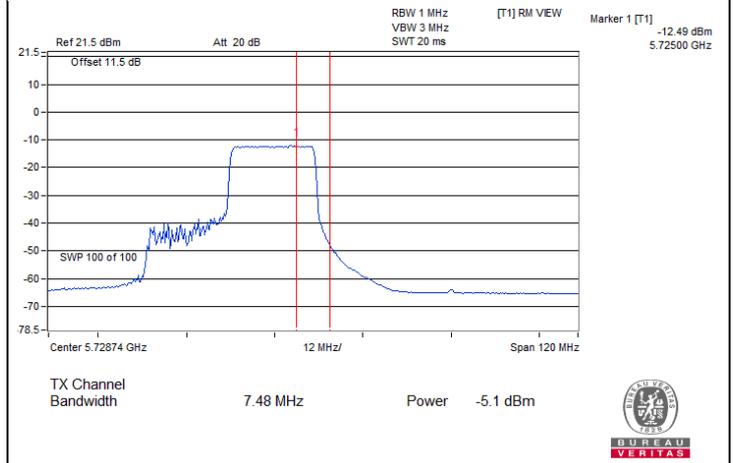
802.11ax (HE20) 106-tone RU : CH 144 (U-NII-2C)



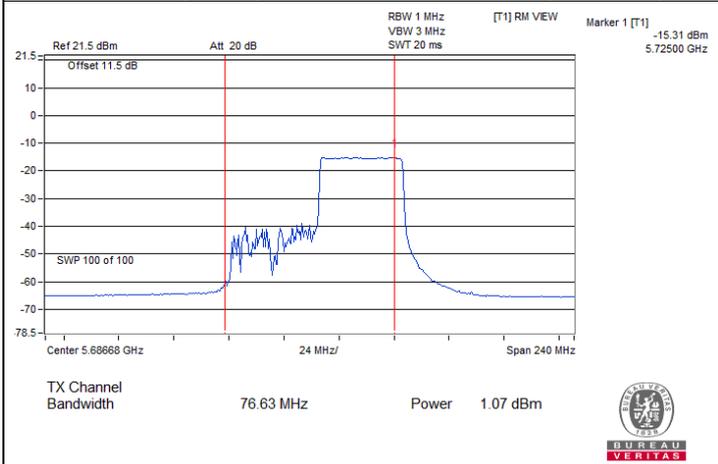
802.11ax (HE20) 106-tone RU : CH 144 (U-NII-3)



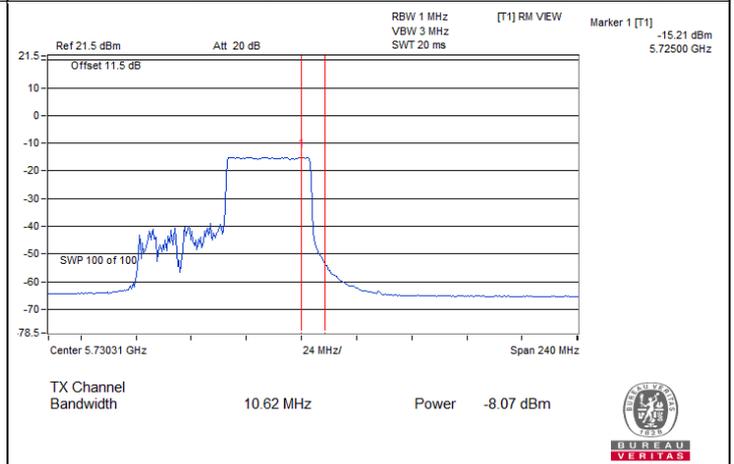
802.11ax (HE40) 242-tone RU : CH 142 (U-NII-2C)



802.11ax (HE40) 242-tone RU : CH 142 (U-NII-3)



802.11ax (HE80) 484-tone RU : CH 138 (U-NII-2C)



802.11ax (HE80) 484-tone RU : CH 138 (U-NII-3)

7.3 Power Spectral Density

Input Power:	3.89 Vdc	Environmental Conditions:	25°C, 76% RH	Tested By:	Ian Chang
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-0.52	11	Pass
40	5200	-0.48	11	Pass
48	5240	-0.45	11	Pass
52	5260	-0.40	11	Pass
60	5300	-0.40	11	Pass
64	5320	-0.74	11	Pass
100	5500	-3.94	11	Pass
116	5580	-3.98	11	Pass
140	5700	-3.69	11	Pass
144 (U-NII-2C)	5720	-3.80	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

Full RU:

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-0.51	11	Pass
40	5200	-0.52	11	Pass
48	5240	-0.49	11	Pass
52	5260	-0.44	11	Pass
60	5300	-0.38	11	Pass
64	5320	-0.58	11	Pass
100	5500	-3.98	11	Pass
116	5580	-4.06	11	Pass
140	5700	-4.00	11	Pass
144 (U-NII-2C)	5720	-4.30	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	-3.51	11	Pass
46	5230	-3.49	11	Pass
54	5270	-3.53	11	Pass
62	5310	-3.73	11	Pass
102	5510	-7.13	11	Pass
110	5550	-6.92	11	Pass
134	5670	-6.89	11	Pass
142 (U-NII-2C)	5710	-7.01	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	-5.93	11	Pass
58	5290	-6.07	11	Pass
106	5530	-9.19	11	Pass
122	5610	-9.17	11	Pass
138 (U-NII-2C)	5690	-8.84	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

Partial RU:

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-3.55	11	Pass
64	5320	-3.42	11	Pass
100	5500	-4.91	11	Pass
140	5700	-5.27	11	Pass
144 (U-NII-2C)	5720	-31.99	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-3.26	11	Pass
64	5320	-3.44	11	Pass
100	5500	-5.40	11	Pass
140	5700	-5.50	11	Pass
144 (U-NII-2C)	5720	-15.58	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-6.02	11	Pass
64	5320	-6.41	11	Pass
100	5500	-8.01	11	Pass
140	5700	-8.36	11	Pass
144 (U-NII-2C)	5720	-8.54	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
38	5190	-9.95	11	Pass
62	5310	-10.44	11	Pass
102	5510	-11.67	11	Pass
134	5670	-11.92	11	Pass
142 (U-NII-2C)	5710	-12.15	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) 484-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
42	5210	-12.70	11	Pass
58	5290	-12.62	11	Pass
106	5530	-14.52	11	Pass
122	5610	-14.03	11	Pass
138 (U-NII-2C)	5690	-15.08	11	Pass

Notes:

1. For U-NII-1, the antenna gain is -0.7 dBi \leq 6 dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is -0.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is -1.8 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-14.87	-12.65	30	Pass
149	5745	-11.57	-9.35	30	Pass
157	5785	-11.45	-9.23	30	Pass
165	5825	-11.72	-9.50	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi <= 6 dBi, so the power density limit shall not be reduced.

Full RU:

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-16.27	-14.05	30	Pass
149	5745	-12.96	-10.74	30	Pass
157	5785	-12.7	-10.48	30	Pass
165	5825	-12.74	-10.52	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi <= 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-19.79	-17.57	30	Pass
151	5755	-15.48	-13.26	30	Pass
159	5795	-15.86	-13.64	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi <= 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-22.53	-20.31	30	Pass
155	5775	-17.72	-15.50	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi <= 6 dBi, so the power density limit shall not be reduced.

Partial RU:
802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-14.47	-12.25	30	Pass
149	5745	-14.29	-12.07	30	Pass
165	5825	-14.08	-11.86	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-14.89	-12.67	30	Pass
149	5745	-14.57	-12.35	30	Pass
165	5825	-14.91	-12.69	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-17.62	-15.40	30	Pass
149	5745	-17.34	-15.12	30	Pass
165	5825	-17.51	-15.29	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) 242-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
142 (U-NII-3)	5710	-21.23	-19.01	30	Pass
151	5755	-21.02	-18.80	30	Pass
159	5795	-20.63	-18.41	30	Pass

Note: For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the power density limit shall not be reduced.

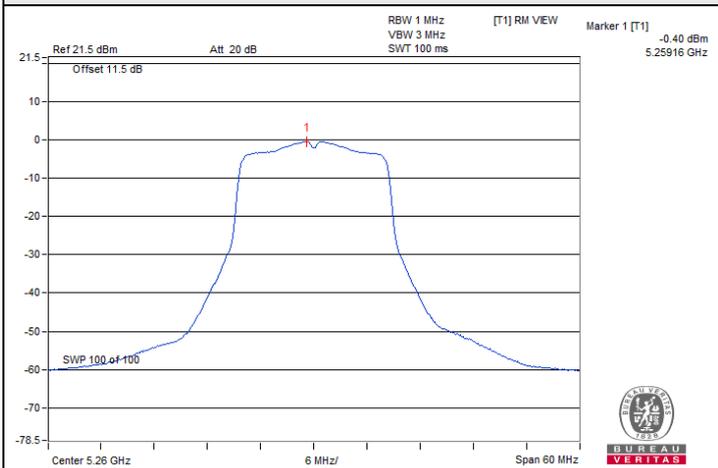
802.11ax (HE80) 484-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
138 (U-NII-3)	5690	-24.31	-22.09	30	Pass
155	5775	-24	-21.78	30	Pass

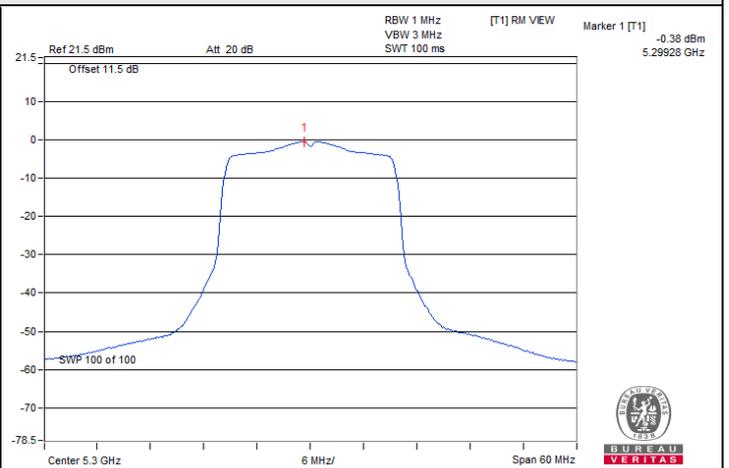
Note: For U-NII-3, the antenna gain is -2.9 dBi \leq 6 dBi, so the power density limit shall not be reduced.



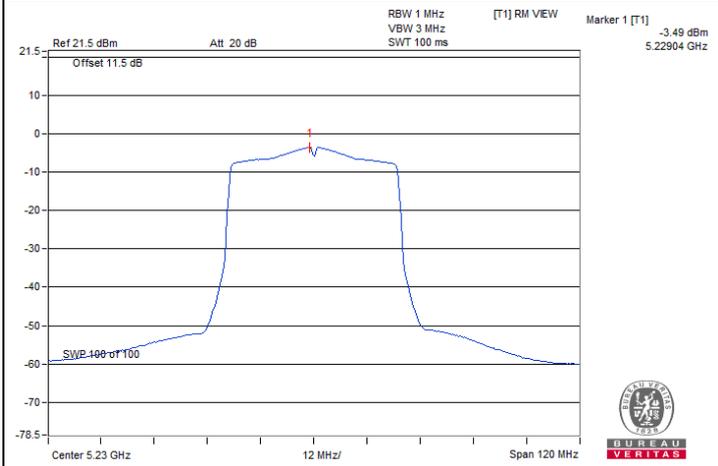
Spectrum Plot of Maximum Value



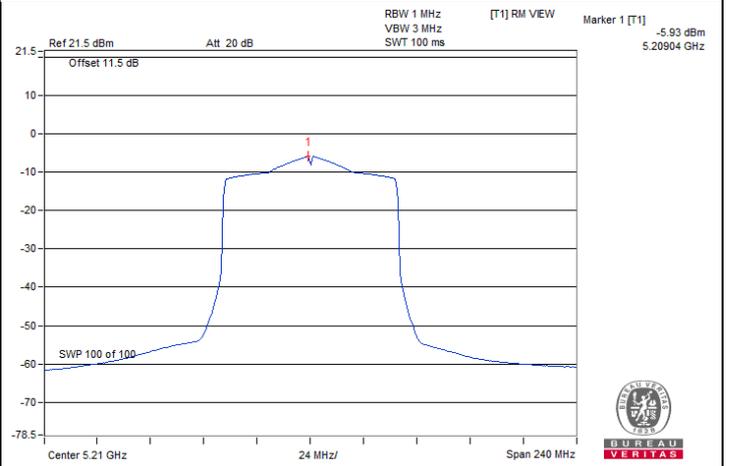
802.11a : CH 52



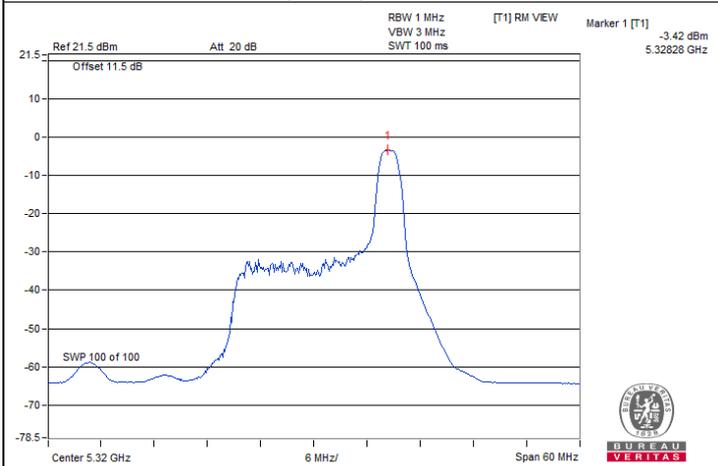
802.11ax (HE20) Full RU : CH 60



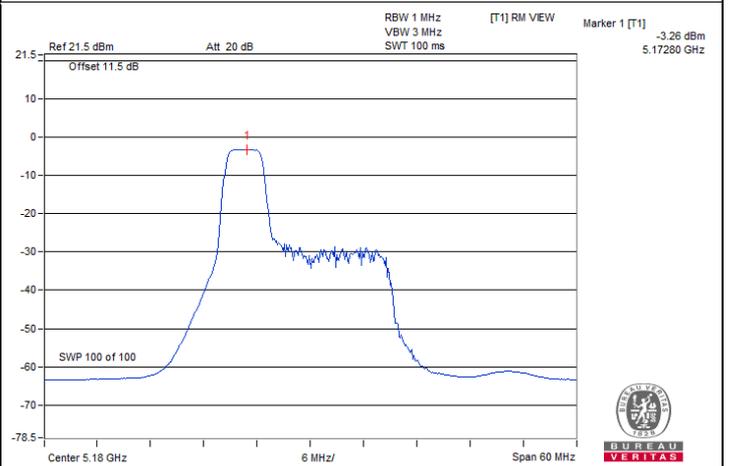
802.11ax (HE40) Full RU : CH 46



802.11ax (HE80) Full RU : CH 42



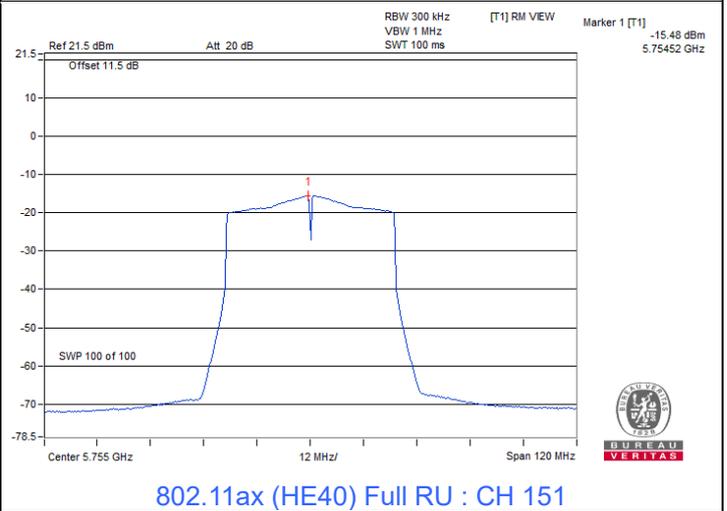
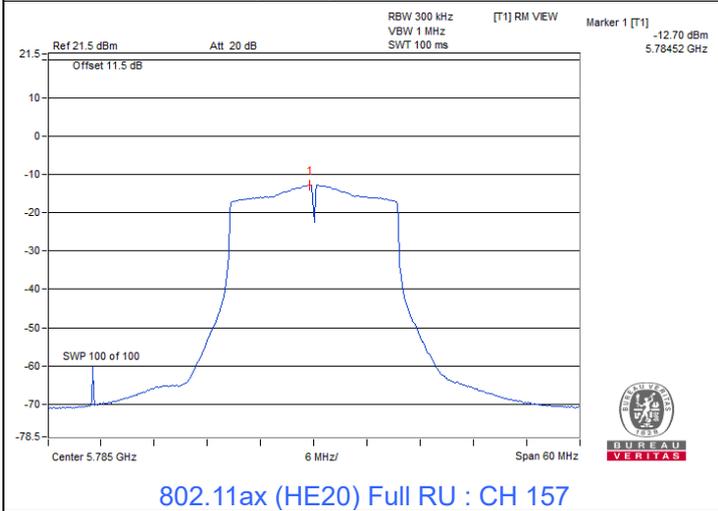
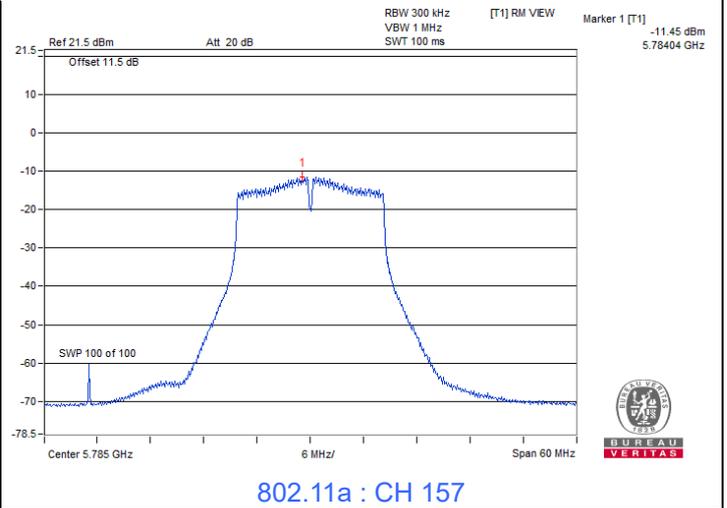
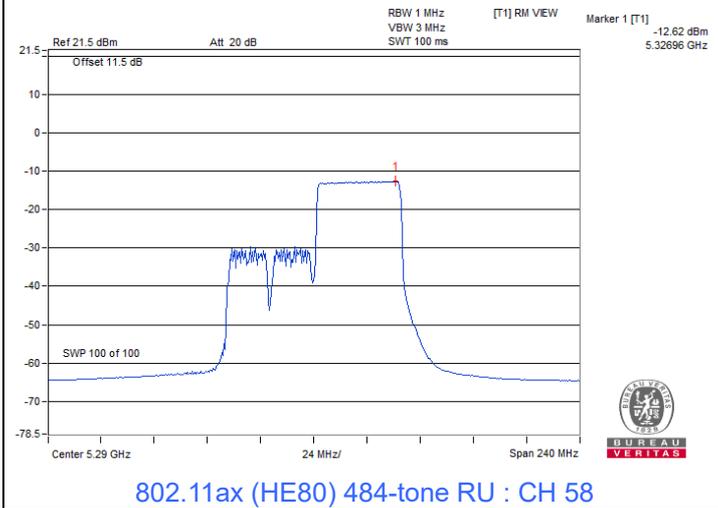
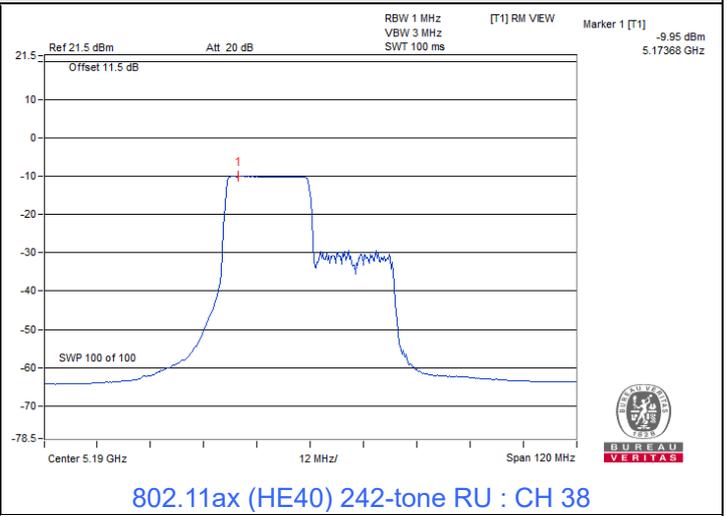
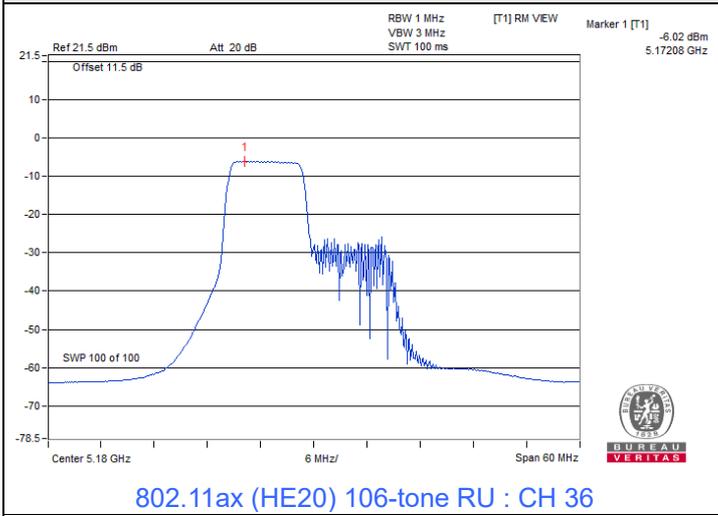
802.11ax (HE20) 26-tone RU : CH 64



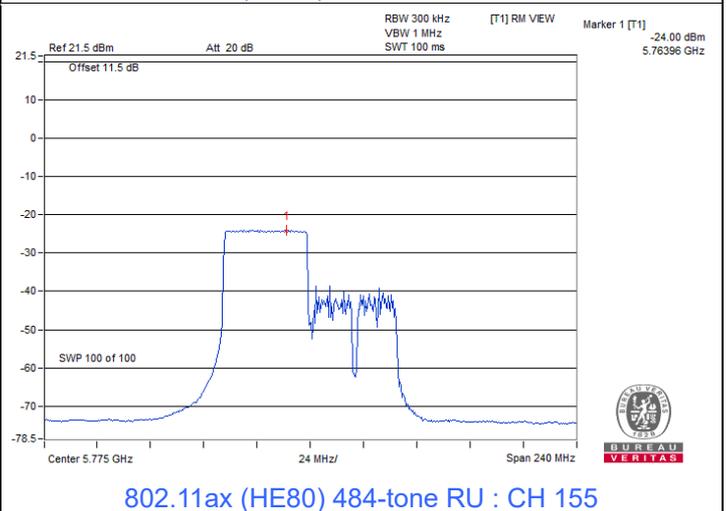
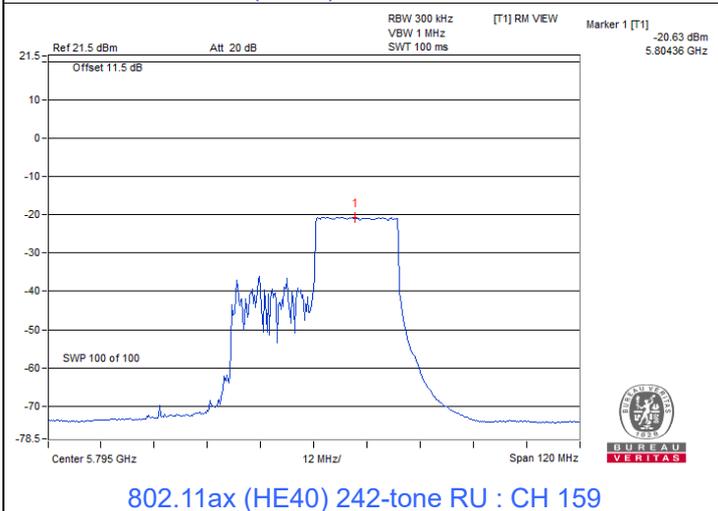
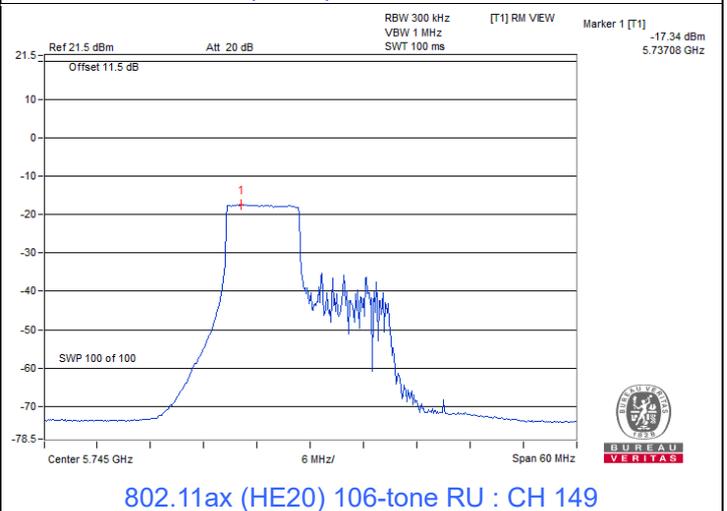
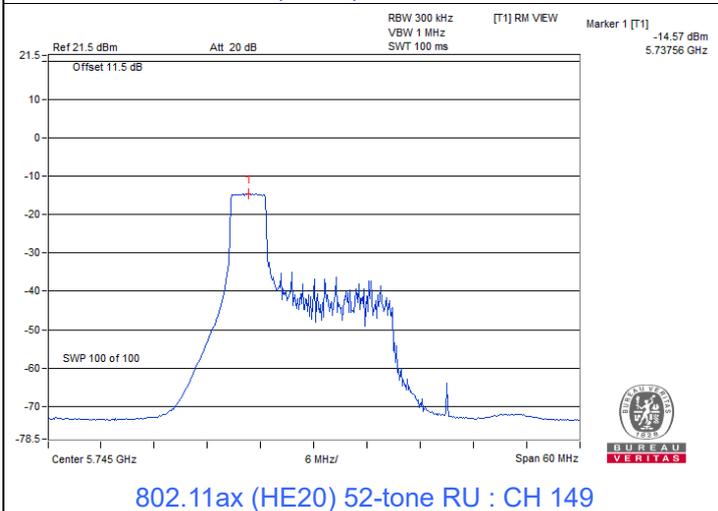
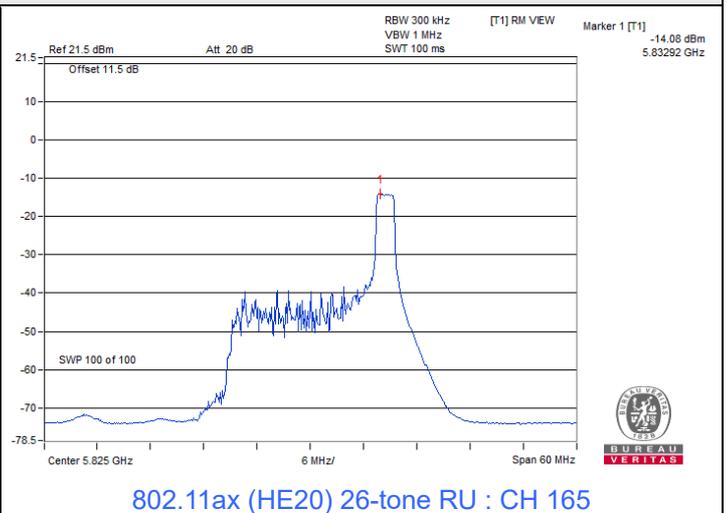
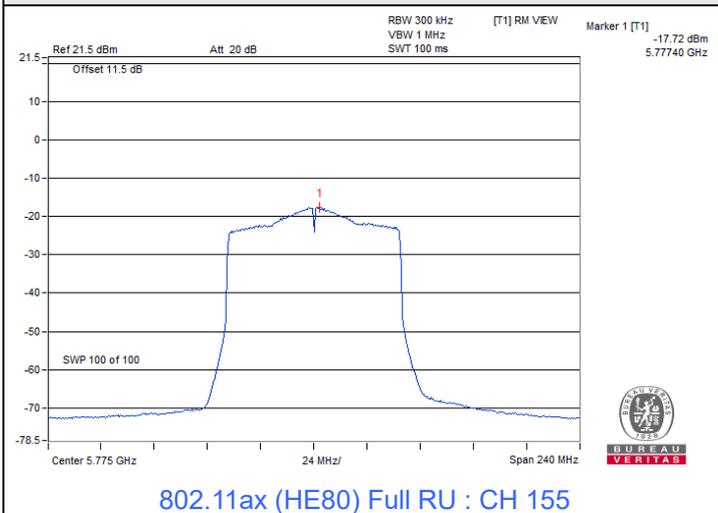
802.11ax (HE20) 52-tone RU : CH 36



Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



7.4 6 dB Bandwidth

Input Power:	3.89 Vdc	Environmental Conditions:	25°C, 76% RH	Tested By:	Ian Chang
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.53	0.5	Pass
149	5745	15.27	0.5	Pass
157	5785	15.27	0.5	Pass
165	5825	14.08	0.5	Pass

Full RU:

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.72	0.5	Pass
149	5745	16.32	0.5	Pass
157	5785	16.49	0.5	Pass
165	5825	16.88	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	3	0.5	Pass
151	5755	35.49	0.5	Pass
159	5795	35.96	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
138 (U-NII-3)	5690	2.58	0.5	Pass
155	5775	72.56	0.5	Pass

Partial RU:
802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	4.56	0.5	Pass
149	5745	2.09	0.5	Pass
165	5825	2.17	0.5	Pass

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	4.59	0.5	Pass
149	5745	17.19	0.5	Pass
165	5825	17.13	0.5	Pass

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	4.61	0.5	Pass
149	5745	17.25	0.5	Pass
165	5825	17.21	0.5	Pass

802.11ax (HE40) 242-tone RU

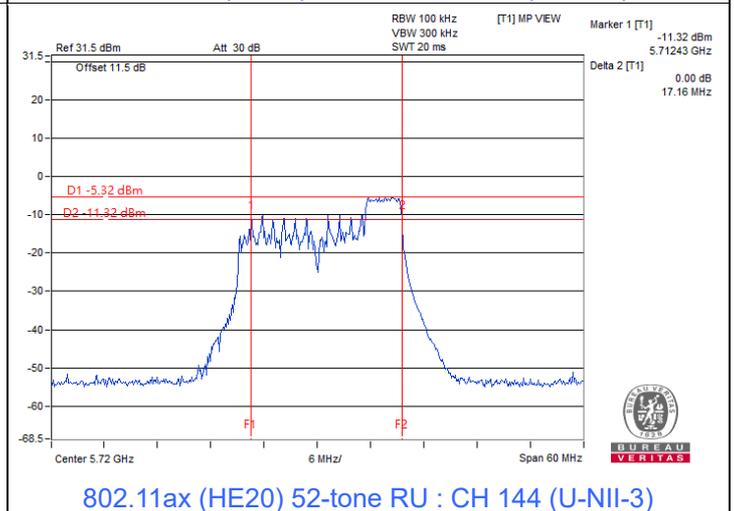
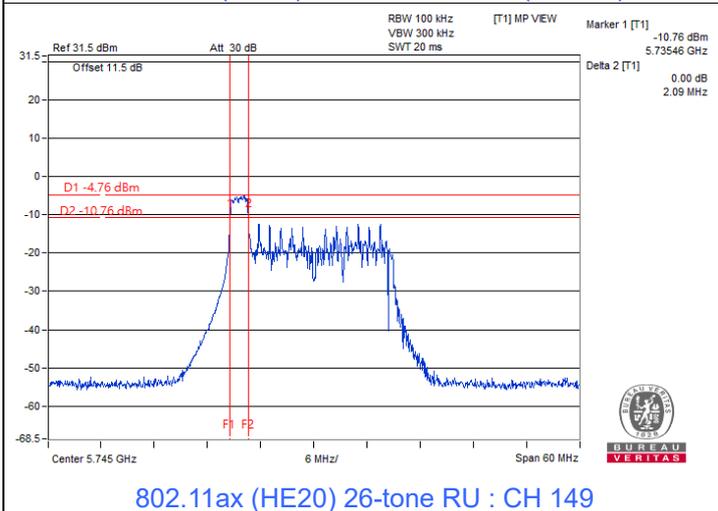
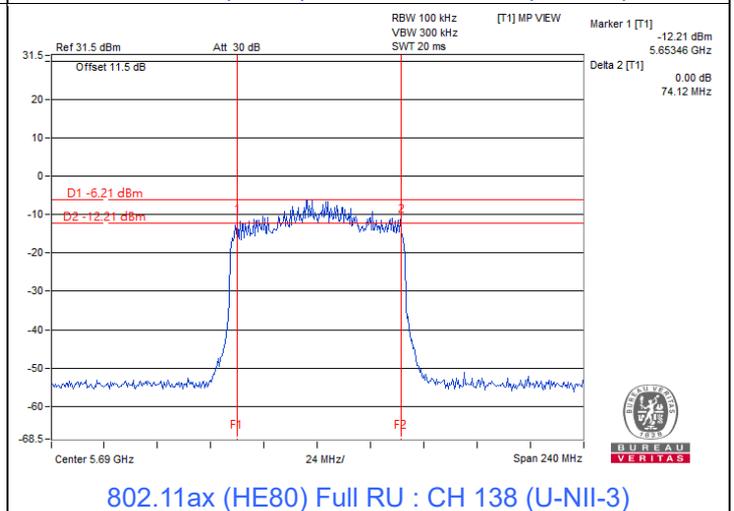
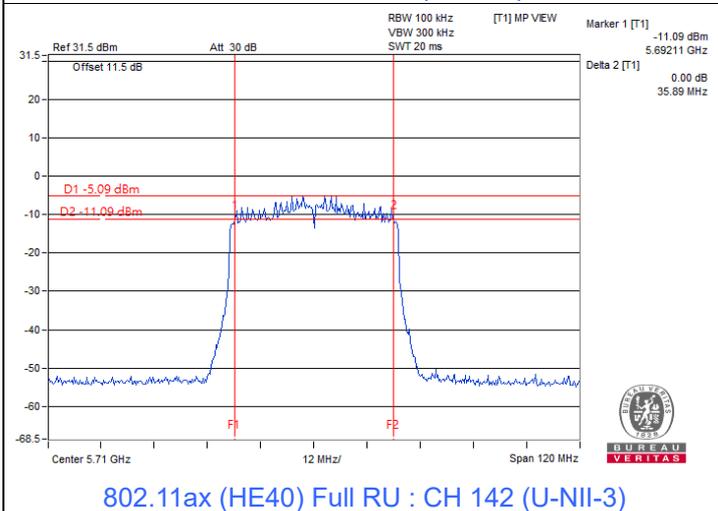
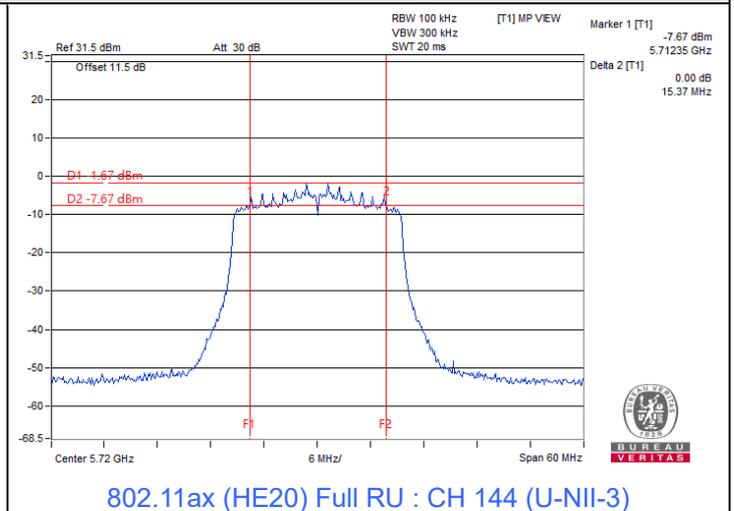
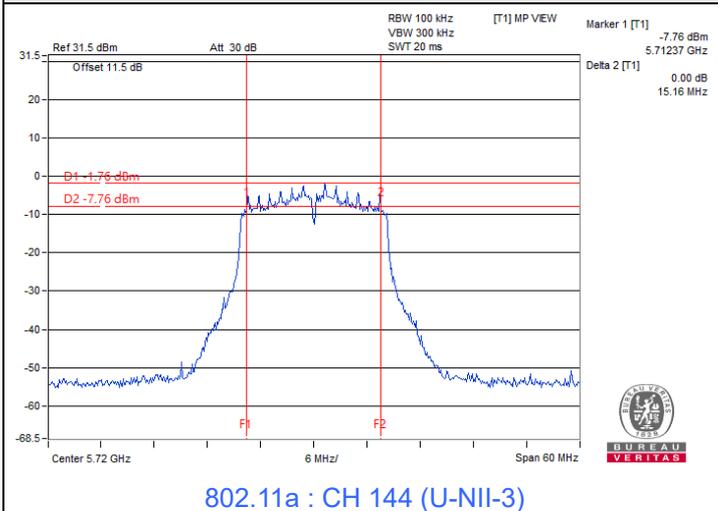
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
142 (U-NII-3)	5710	4.23	0.5	Pass
151	5755	36.87	0.5	Pass
159	5795	37.12	0.5	Pass

802.11ax (HE80) 484-tone RU

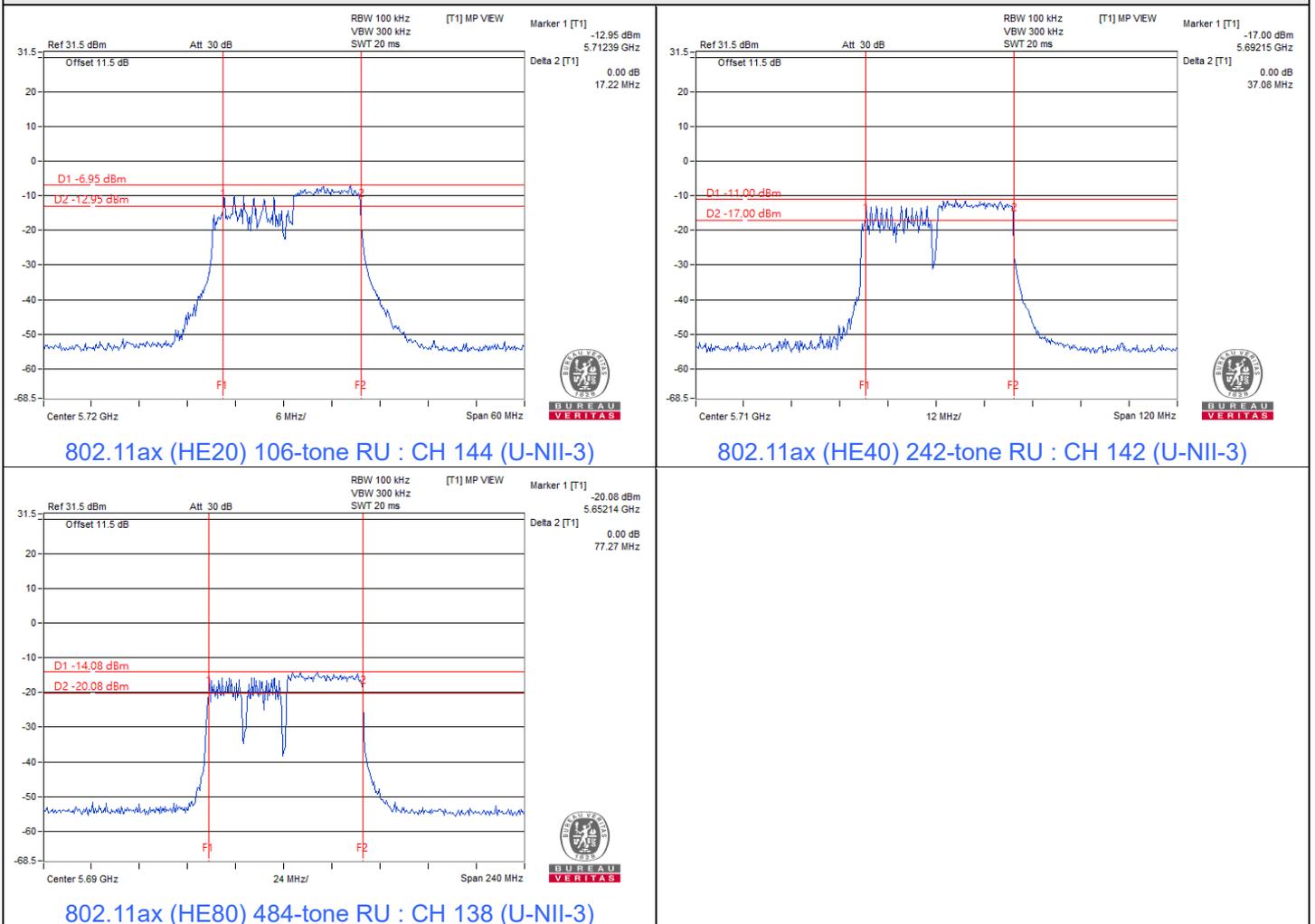
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
138 (U-NII-3)	5690	4.41	0.5	Pass
155	5775	77.14	0.5	Pass



Spectrum Plot of Minimum Value



Spectrum Plot of Minimum Value



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

7.5 Occupied Bandwidth

Input Power:	3.89 Vdc	Environmental Conditions:	25°C, 76% RH	Tested By:	Ian Chang
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.32
40	5200	16.44
48	5240	16.32
52	5260	16.32
60	5300	16.44
64	5320	16.32
100	5500	16.44
116	5580	16.32
140	5700	16.32
144 (U-NII-2C)	5720	13.28
144 (U-NII-3)	5720	3.04
149	5745	16.44
157	5785	16.44
165	5825	16.44

Full RU:

802.11ax (HE20)

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

802.11ax (HE40)

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

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	76.8
58	5290	76.8
106	5530	77.28
122	5610	76.8
138 (U-NII-2C)	5690	73.4
138 (U-NII-3)	5690	3.4
155	5775	76.32

Partial RU:
802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.48
64	5320	18.6
100	5500	18.6
140	5700	18.6
144 (U-NII-2C)	5720	13.64
144 (U-NII-3)	5720	4.96
149	5745	18.48
165	5825	18.6

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.36
64	5320	18.36
100	5500	18.48
140	5700	18.36
144 (U-NII-2C)	5720	13.52
144 (U-NII-3)	5720	4.72
149	5745	18.48
165	5825	18.36

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	18.48
64	5320	18
100	5500	18.48
140	5700	18.24
144 (U-NII-2C)	5720	13.76
144 (U-NII-3)	5720	4.6
149	5745	18
165	5825	18.24

802.11ax (HE40) 242-tone RU

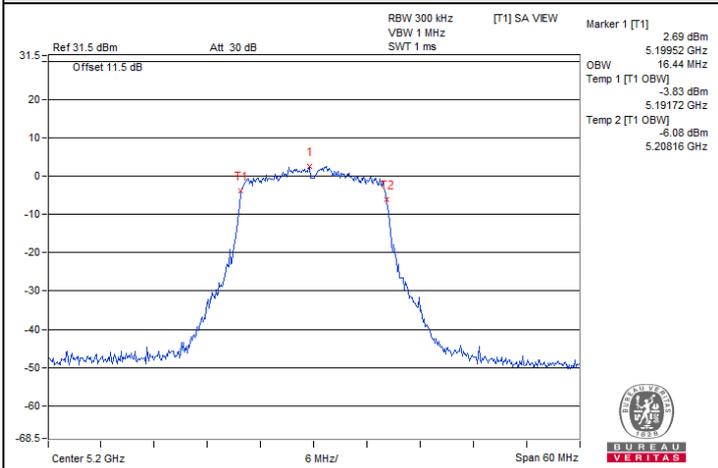
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
38	5190	37.92
62	5310	37.92
102	5510	37.92
134	5670	38.16
142 (U-NII-2C)	5710	33.72
142 (U-NII-3)	5710	4.44
151	5755	37.92
159	5795	37.92

802.11ax (HE80) 484-tone RU

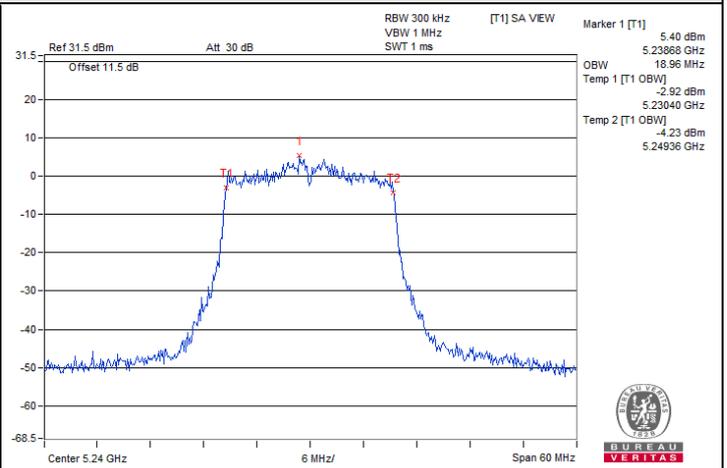
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
42	5210	77.28
58	5290	77.28
106	5530	77.28
122	5610	76.8
138 (U-NII-2C)	5690	73.4
138 (U-NII-3)	5690	4.36
155	5775	76.8



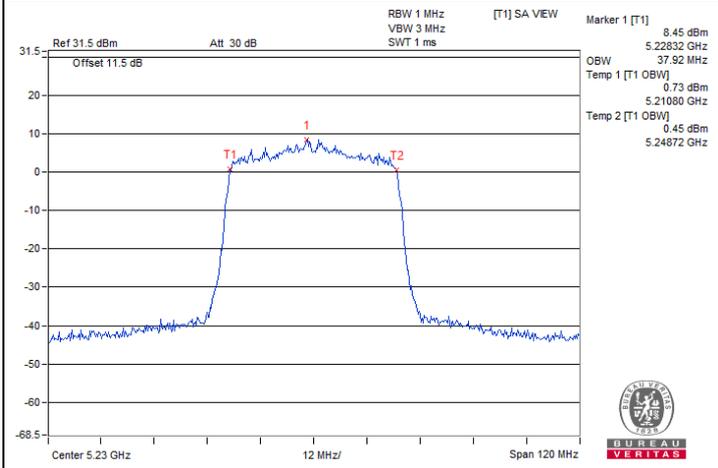
Spectrum Plot of Maximum Value



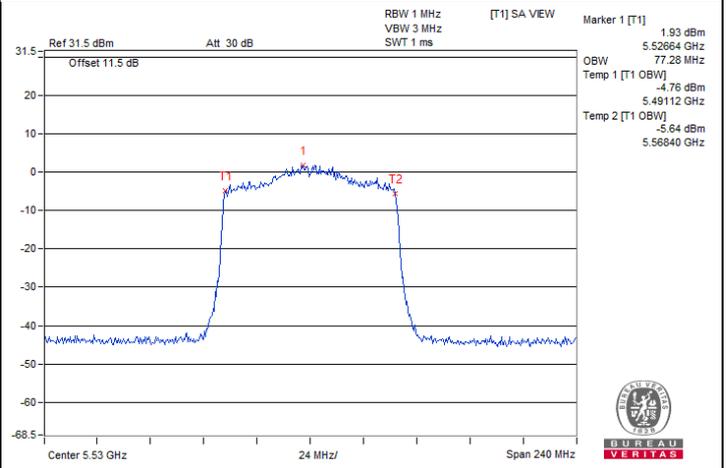
802.11a : CH 40



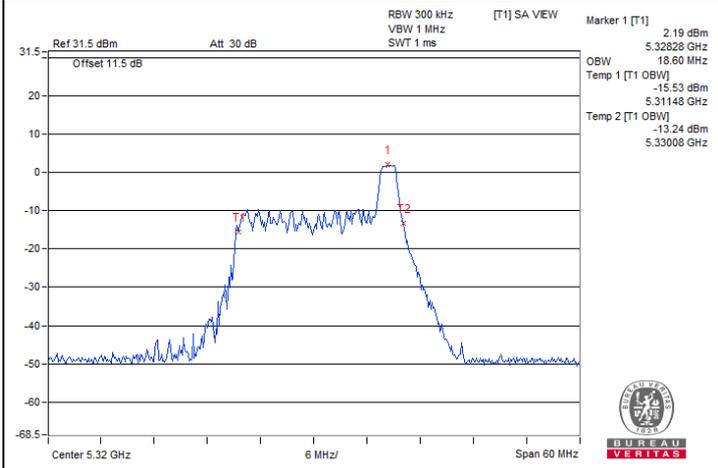
802.11ax (HE20) Full RU : CH 48



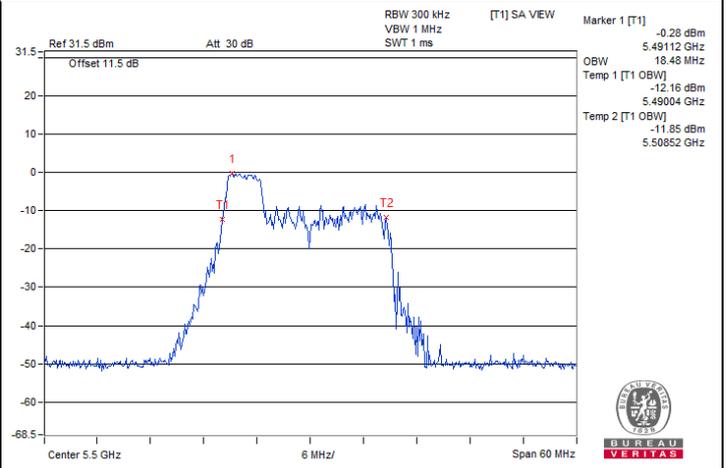
802.11ax (HE40) Full RU : CH 46



802.11ax (HE80) Full RU : CH 106



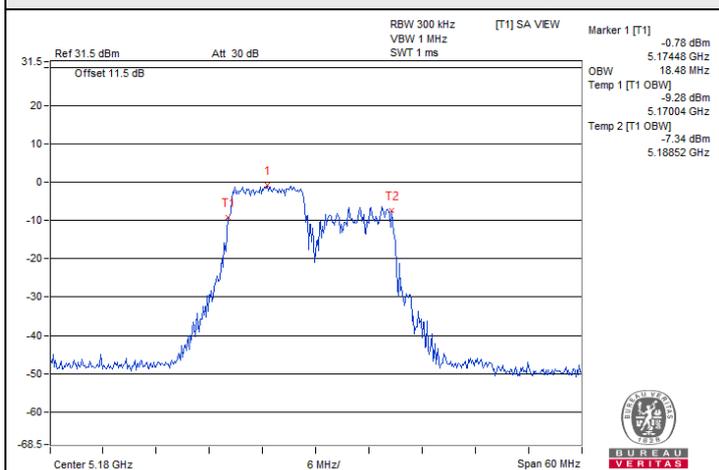
802.11ax (HE20) 26-tone RU : CH 64



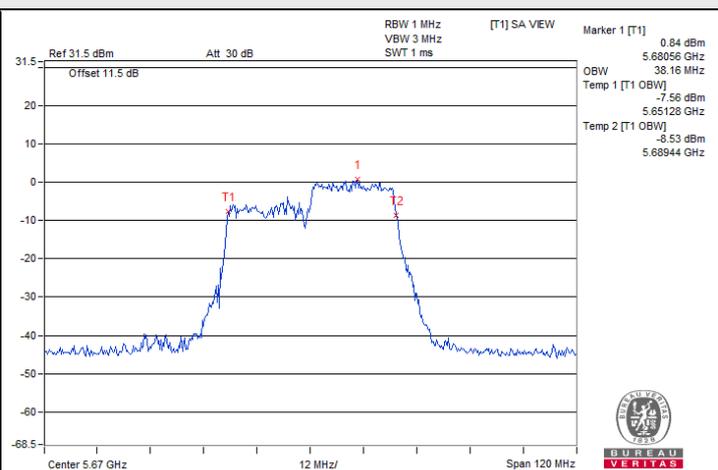
802.11ax (HE20) 52-tone RU : CH 100



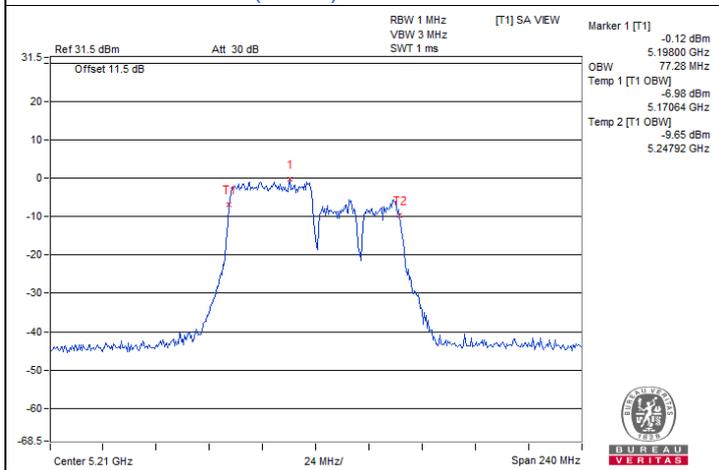
Spectrum Plot of Maximum Value



802.11ax (HE20) 106-tone RU : CH 36

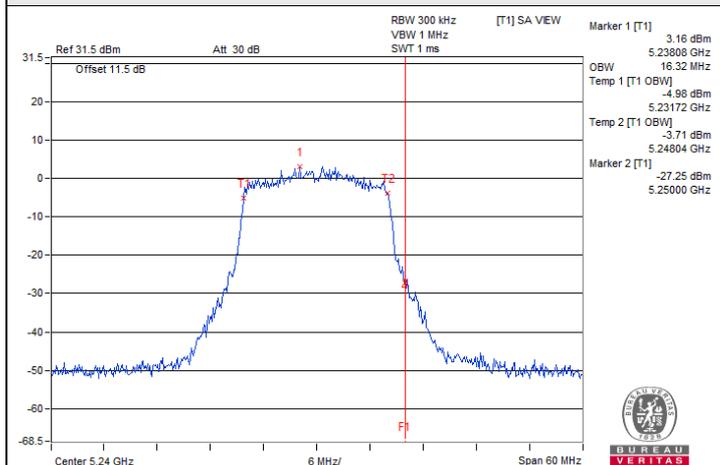
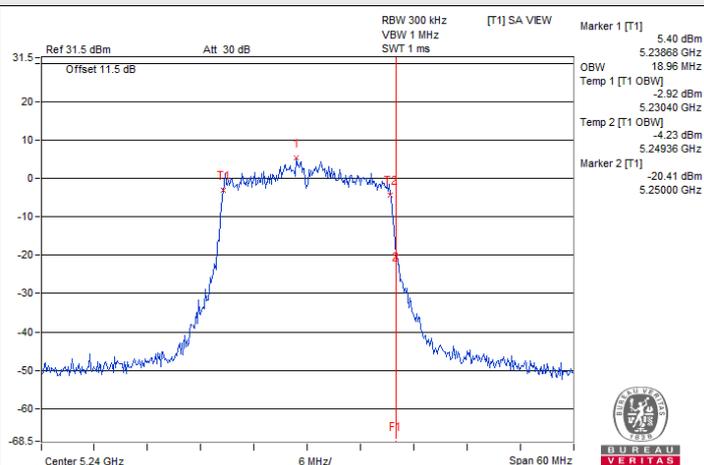
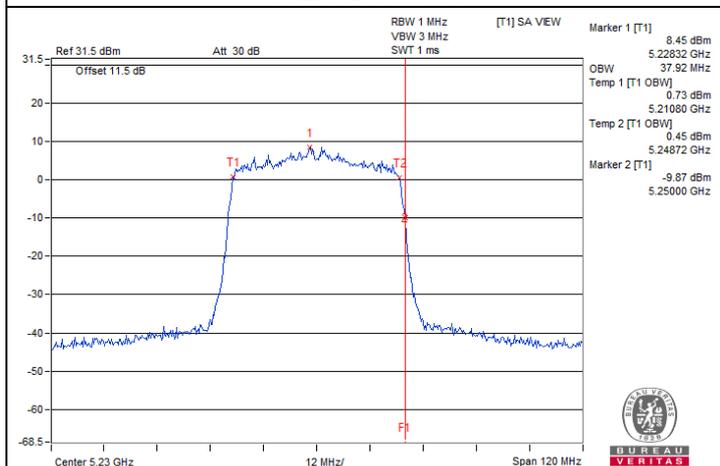
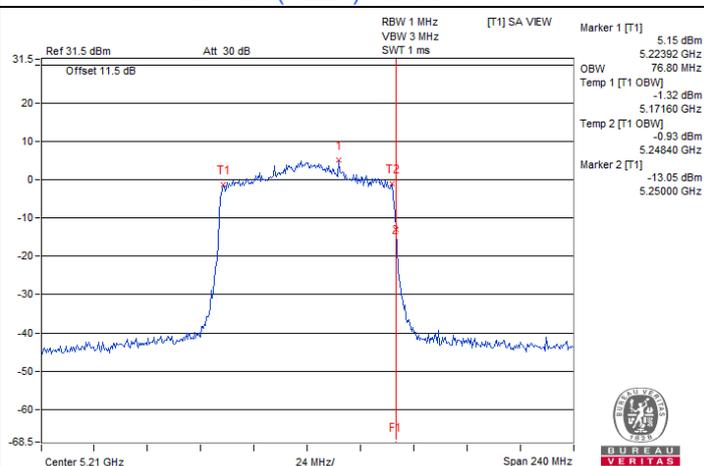
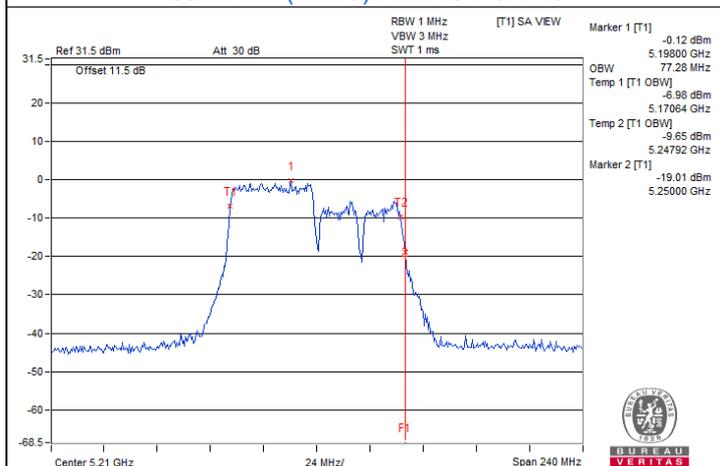


802.11ax (HE40) 242-tone RU : CH 134



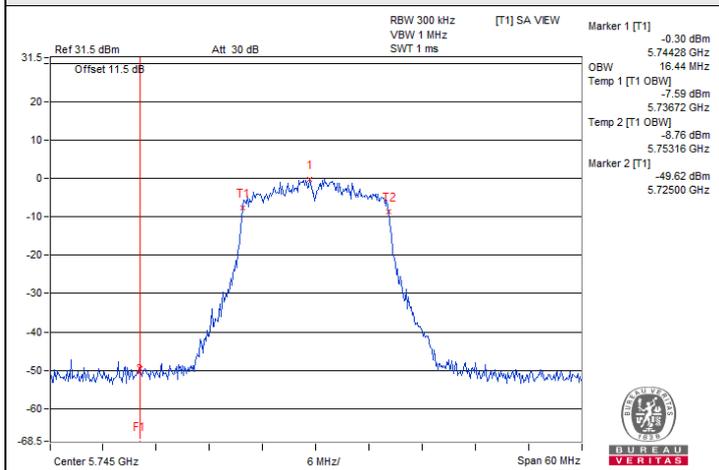
802.11ax (HE80) 484-tone RU : CH 42

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

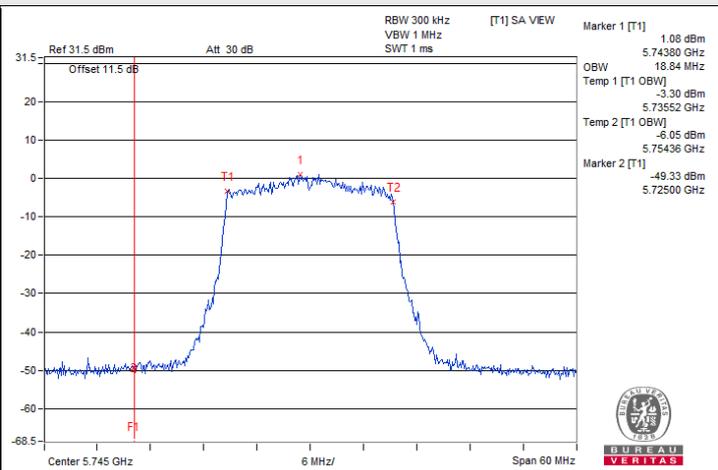
**802.11a : CH 48****802.11ax (HE20) Full RU : CH 48****802.11ax (HE40) Full RU : CH 46****802.11ax (HE80) Full RU : CH 42****802.11ax (HE80) 484-tone RU : CH 42**



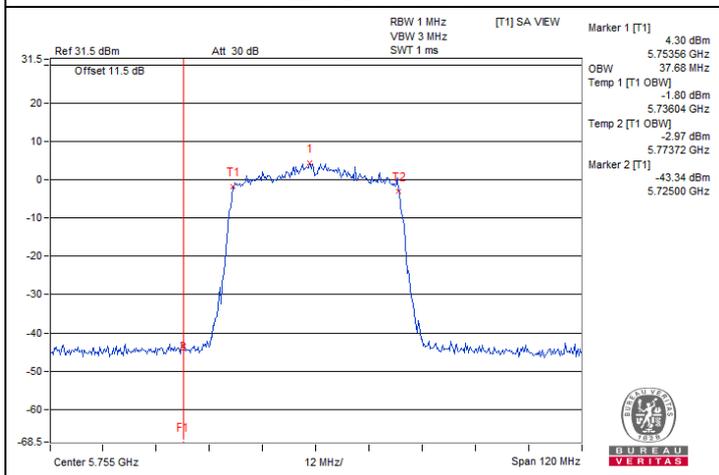
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



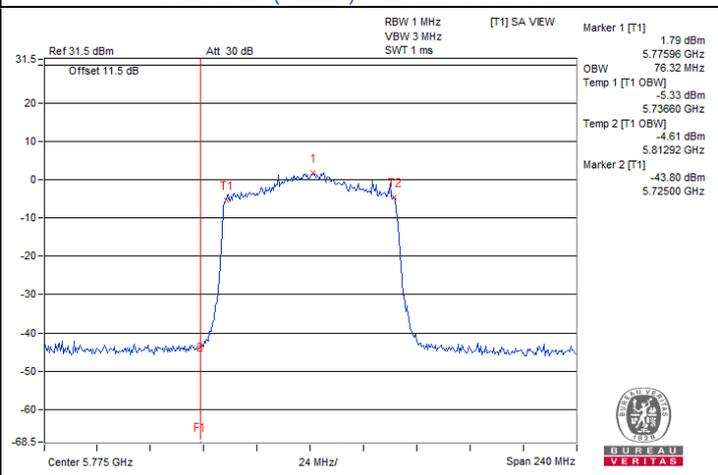
802.11a : CH 149



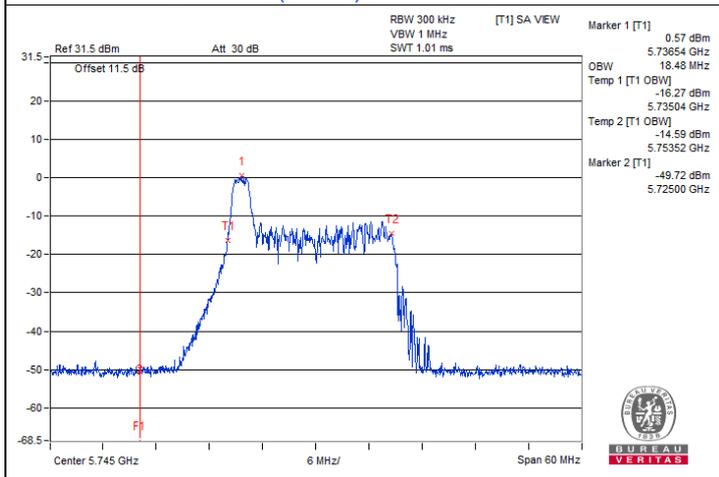
802.11ax (HE20) Full RU : CH 149



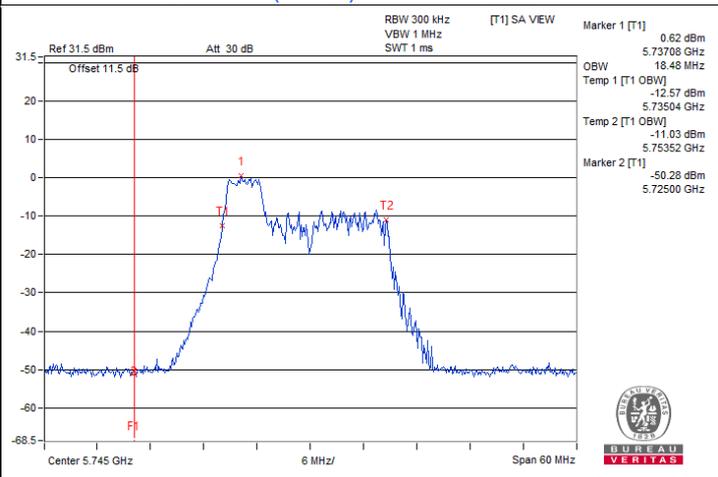
802.11ax (HE40) Full RU : CH 151



802.11ax (HE80) Full RU : CH 155

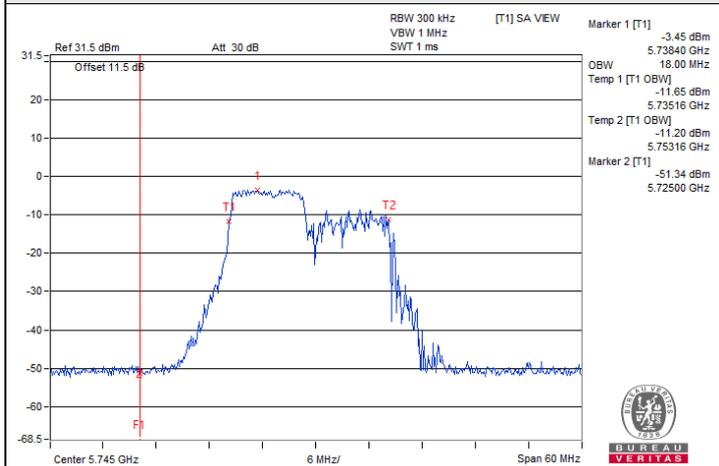


802.11ax (HE20) 26-tone RU : CH 149

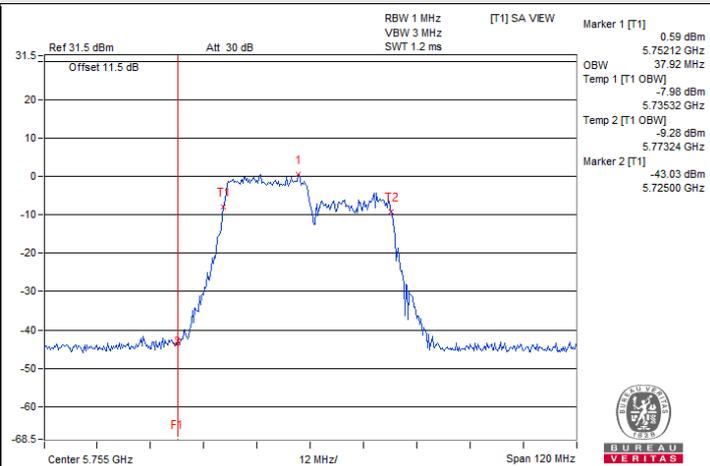


802.11ax (HE20) 52-tone RU : CH 149

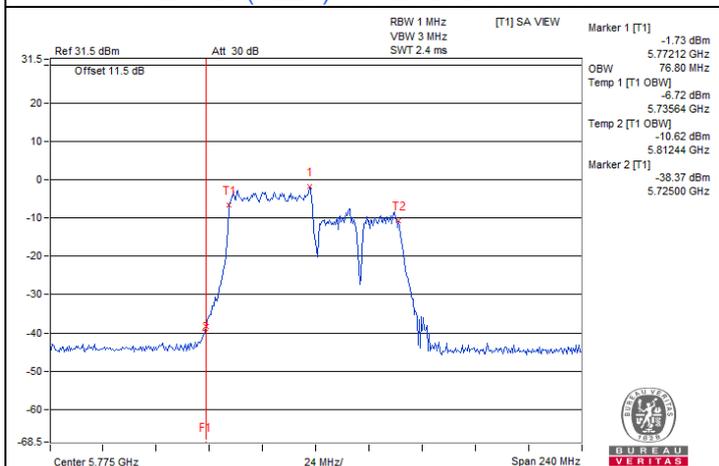
**Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)**



802.11ax (HE20) 106-tone RU : CH 149



802.11ax (HE40) 242-tone RU : CH 151



802.11ax (HE80) 484-tone RU : CH 155

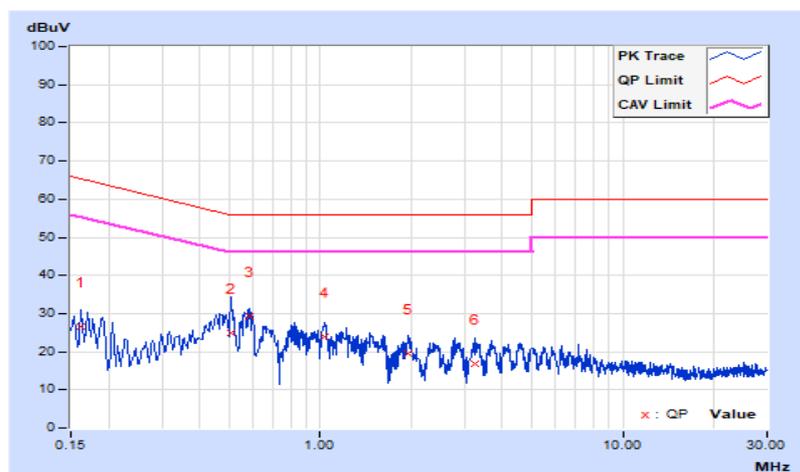
7.6 AC Power Conducted Emissions

RF Mode	802.11ax (HE40) Full RU	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Rex Wang		

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	10.30	16.42	1.31	26.72	11.61	65.36	55.36	-38.64	-43.75
2	0.51000	10.37	14.53	4.87	24.90	15.24	56.00	46.00	-31.10	-30.76
3	0.58200	10.38	18.83	9.15	29.21	19.53	56.00	46.00	-26.79	-26.47
4	1.03800	10.43	13.34	4.20	23.77	14.63	56.00	46.00	-32.23	-31.37
5	1.94202	10.51	9.12	0.02	19.63	10.53	56.00	46.00	-36.37	-35.47
6	3.24600	10.55	6.12	2.23	16.67	12.78	56.00	46.00	-39.33	-33.22

Remarks:

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

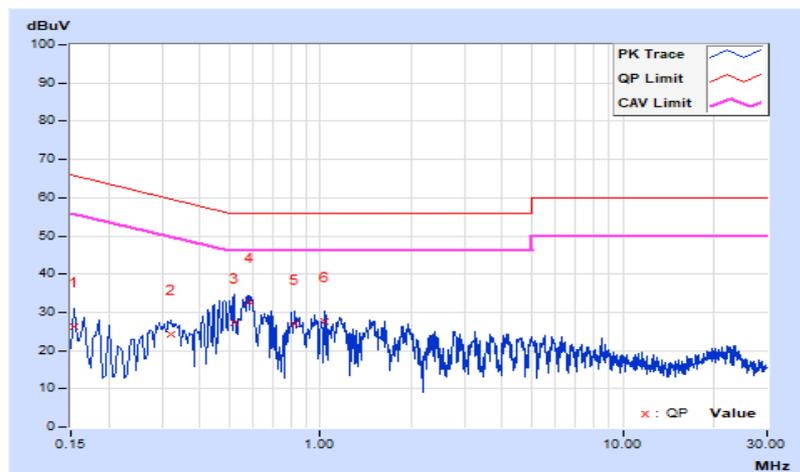


RF Mode	802.11ax (HE40) Full RU	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Rex Wang		

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	0.15400	10.34	15.94	1.13	26.28	11.47	65.78	55.78	-39.50	-44.31
2	0.32200	10.38	13.93	2.25	24.31	12.63	59.66	49.66	-35.35	-37.03
3	0.51800	10.41	16.71	3.06	27.12	13.47	56.00	46.00	-28.88	-32.53
4	0.58600	10.41	22.17	9.94	32.58	20.35	56.00	46.00	-23.42	-25.65
5	0.81800	10.45	16.48	4.87	26.93	15.32	56.00	46.00	-29.07	-30.68
6	1.03000	10.47	17.04	4.95	27.51	15.42	56.00	46.00	-28.49	-30.58

Remarks:

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



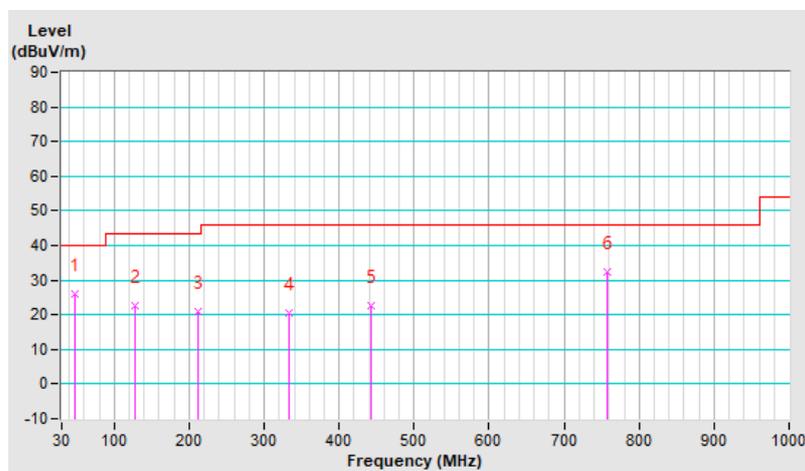
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40) Full RU	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	25.9 QP	40.0	-14.1	1.22 H	148	38.9	-13.0
2	127.00	22.7 QP	43.5	-20.8	1.94 H	250	37.2	-14.5
3	212.36	21.0 QP	43.5	-22.5	1.93 H	310	37.3	-16.3
4	332.64	20.6 QP	46.0	-25.4	1.85 H	112	31.6	-11.0
5	442.25	22.5 QP	46.0	-23.5	1.74 H	131	30.6	-8.1
6	757.50	32.4 QP	46.0	-13.6	1.62 H	304	34.3	-1.9

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

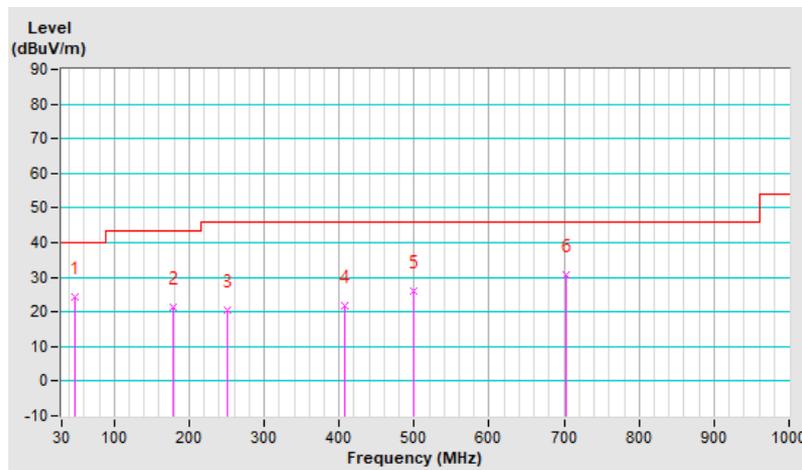


RF Mode	802.11ax (HE40) Full RU	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	24.4 QP	40.0	-15.6	1.32 V	155	37.4	-13.0
2	178.41	21.2 QP	43.5	-22.3	1.86 V	240	35.3	-14.1
3	250.19	20.6 QP	46.0	-25.4	1.50 V	174	34.5	-13.9
4	407.33	21.8 QP	46.0	-24.2	1.73 V	94	31.3	-9.5
5	498.51	26.2 QP	46.0	-19.8	1.68 V	225	33.6	-7.4
6	702.21	30.8 QP	46.0	-15.2	1.00 V	27	33.8	-3.0

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.9 PK	74.0	-19.1	1.61 H	311	52.3	2.6
2	5150.00	45.7 AV	54.0	-8.3	1.61 H	311	43.1	2.6
3	*5180.00	101.1 PK			1.61 H	311	60.9	40.2
4	*5180.00	92.9 AV			1.61 H	311	52.7	40.2
5	#10360.00	55.6 PK	68.2	-12.6	2.04 H	356	46.8	8.8
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	54.8 PK	74.0	-19.2	3.07 V	304	52.2	2.6
2	5150.00	45.6 AV	54.0	-8.4	3.07 V	304	43.0	2.6
3	*5180.00	98.2 PK			3.07 V	304	58.0	40.2
4	*5180.00	90.4 AV			3.07 V	304	50.2	40.2
5	#10360.00	55.4 PK	68.2	-12.8	2.55 V	284	46.6	8.8

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 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	100.0 PK			1.51 H	313	59.8	40.2
2	*5200.00	91.7 AV			1.51 H	313	51.5	40.2
3	#10400.00	55.6 PK	68.2	-12.6	2.23 H	354	46.7	8.9

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	*5200.00	98.2 PK			3.05 V	305	58.0	40.2
2	*5200.00	90.4 AV			3.05 V	305	50.2	40.2
3	#10400.00	55.3 PK	68.2	-12.9	2.54 V	282	46.4	8.9

Remarks:

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



RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	99.7 PK			1.59 H	313	59.6	40.1
2	*5240.00	91.8 AV			1.59 H	313	51.7	40.1
3	5350.00	55.4 PK	74.0	-18.6	1.59 H	313	53.1	2.3
4	5350.00	45.3 AV	54.0	-8.7	1.59 H	313	43.0	2.3
5	#10480.00	56.2 PK	68.2	-12.0	2.04 H	355	47.2	9.0

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	*5240.00	98.5 PK			2.91 V	310	58.4	40.1
2	*5240.00	90.3 AV			2.91 V	310	50.2	40.1
3	5350.00	55.2 PK	74.0	-18.8	2.91 V	310	52.9	2.3
4	5350.00	45.0 AV	54.0	-9.0	2.91 V	310	42.7	2.3
5	#10480.00	55.6 PK	68.2	-12.6	2.59 V	286	46.6	9.0

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) 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	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.9 PK	74.0	-19.1	1.68 H	310	52.3	2.6
2	5150.00	45.2 AV	54.0	-8.8	1.68 H	310	42.6	2.6
3	*5180.00	101.8 PK			1.68 H	310	61.6	40.2
4	*5180.00	91.8 AV			1.68 H	310	51.6	40.2
5	#10360.00	55.6 PK	68.2	-12.6	2.05 H	356	46.8	8.8

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	2.99 V	310	52.1	2.6
2	5150.00	45.1 AV	54.0	-8.9	2.99 V	310	42.5	2.6
3	*5180.00	100.6 PK			2.99 V	310	60.4	40.2
4	*5180.00	90.4 AV			2.99 V	310	50.2	40.2
5	#10360.00	55.4 PK	68.2	-12.8	2.57 V	280	46.6	8.8

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) 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	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	101.4 PK			1.67 H	315	61.2	40.2
2	*5200.00	91.1 AV			1.67 H	315	50.9	40.2
3	#10400.00	56.2 PK	68.2	-12.0	2.04 H	352	47.3	8.9

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	*5200.00	101.2 PK			2.92 V	310	61.0	40.2
2	*5200.00	90.8 AV			2.92 V	310	50.6	40.2
3	#10400.00	55.9 PK	68.2	-12.3	2.60 V	282	47.0	8.9

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 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	102.0 PK			1.38 H	316	61.9	40.1
2	*5240.00	91.0 AV			1.38 H	316	50.9	40.1
3	5350.00	56.1 PK	74.0	-17.9	1.38 H	316	53.8	2.3
4	5350.00	45.9 AV	54.0	-8.1	1.38 H	316	43.6	2.3
5	#10480.00	55.8 PK	68.2	-12.4	2.03 H	355	46.8	9.0

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	*5240.00	100.9 PK			2.91 V	310	60.8	40.1
2	*5240.00	90.7 AV			2.91 V	310	50.6	40.1
3	5350.00	55.9 PK	74.0	-18.1	2.91 V	310	53.6	2.3
4	5350.00	46.2 AV	54.0	-7.8	2.91 V	310	43.9	2.3
5	#10480.00	55.6 PK	68.2	-12.6	2.57 V	288	46.6	9.0

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) 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	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.2 PK	74.0	-18.8	1.49 H	316	52.6	2.6
2	5150.00	45.3 AV	54.0	-8.7	1.49 H	316	42.7	2.6
3	*5190.00	99.7 PK			1.49 H	316	59.4	40.3
4	*5190.00	88.8 AV			1.49 H	316	48.5	40.3
5	#10380.00	55.5 PK	68.2	-12.7	2.04 H	355	46.7	8.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.0 PK	74.0	-19.0	2.98 V	310	52.4	2.6
2	5150.00	45.2 AV	54.0	-8.8	2.98 V	310	42.6	2.6
3	*5190.00	97.9 PK			2.98 V	310	57.6	40.3
4	*5190.00	87.3 AV			2.98 V	310	47.0	40.3
5	#10380.00	55.3 PK	68.2	-12.9	2.58 V	286	46.5	8.8

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	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	99.5 PK			1.58 H	315	59.4	40.1
2	*5230.00	88.7 AV			1.58 H	315	48.6	40.1
3	5350.00	56.3 PK	74.0	-17.7	1.58 H	315	54.0	2.3
4	5350.00	45.4 AV	54.0	-8.6	1.58 H	315	43.1	2.3
5	#10460.00	56.1 PK	68.2	-12.1	2.06 H	353	47.1	9.0

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	*5230.00	98.0 PK			3.21 V	284	57.9	40.1
2	*5230.00	86.6 AV			3.21 V	284	46.5	40.1
3	5350.00	55.6 PK	74.0	-18.4	3.21 V	284	53.3	2.3
4	5350.00	45.3 AV	54.0	-8.7	3.21 V	284	43.0	2.3
5	#10460.00	55.9 PK	68.2	-12.3	2.54 V	286	46.9	9.0

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	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.4 PK	74.0	-18.6	1.51 H	319	52.8	2.6
2	5150.00	45.5 AV	54.0	-8.5	1.51 H	319	42.9	2.6
3	*5210.00	95.8 PK			1.51 H	319	55.6	40.2
4	*5210.00	85.4 AV			1.51 H	319	45.2	40.2
5	#10420.00	55.6 PK	68.2	-12.6	2.00 H	356	46.7	8.9

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	54.7 PK	74.0	-19.3	3.36 V	303	52.1	2.6
2	5150.00	45.3 AV	54.0	-8.7	3.36 V	303	42.7	2.6
3	*5210.00	95.7 PK			3.36 V	303	55.5	40.2
4	*5210.00	84.5 AV			3.36 V	303	44.3	40.2
5	#10420.00	55.4 PK	68.2	-12.8	2.54 V	288	46.5	8.9

Remarks:

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



RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.3 PK	74.0	-16.7	1.61 H	300	54.7	2.6
2	5150.00	46.6 AV	54.0	-7.4	1.61 H	300	44.0	2.6
3	*5260.00	103.6 PK			1.61 H	300	63.5	40.1
4	*5260.00	95.5 AV			1.61 H	300	55.4	40.1
5	#10520.00	58.3 PK	68.2	-9.9	1.94 H	344	49.2	9.1

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	5150.00	57.8 PK	74.0	-16.2	2.87 V	314	55.2	2.6
2	5150.00	46.6 AV	54.0	-7.4	2.87 V	314	44.0	2.6
3	*5260.00	100.9 PK			2.87 V	314	60.8	40.1
4	*5260.00	91.7 AV			2.87 V	314	51.6	40.1
5	#10520.00	58.5 PK	68.2	-9.7	2.62 V	293	49.4	9.1

Remarks:

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



RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	103.8 PK			1.63 H	304	63.7	40.1
2	*5300.00	95.6 AV			1.63 H	304	55.5	40.1
3	10600.00	58.9 PK	74.0	-15.1	1.94 H	341	49.8	9.1
4	10600.00	43.8 AV	54.0	-10.2	1.94 H	341	34.7	9.1

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	*5300.00	101.1 PK			2.89 V	312	61.0	40.1
2	*5300.00	92.0 AV			2.89 V	312	51.9	40.1
3	10600.00	59.8 PK	74.0	-14.2	2.53 V	275	50.7	9.1
4	10600.00	44.7 AV	54.0	-9.3	2.53 V	275	35.6	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	102.7 PK			1.70 H	300	62.6	40.1
2	*5320.00	96.2 AV			1.70 H	300	56.1	40.1
3	5350.00	55.9 PK	74.0	-18.1	1.70 H	300	53.6	2.3
4	5350.00	46.1 AV	54.0	-7.9	1.70 H	300	43.8	2.3
5	10640.00	58.3 PK	74.0	-15.7	1.92 H	341	49.4	8.9
6	10640.00	43.3 AV	54.0	-10.7	1.92 H	341	34.4	8.9
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	*5320.00	100.1 PK			2.84 V	304	60.0	40.1
2	*5320.00	93.5 AV			2.84 V	304	53.4	40.1
3	5350.00	56.1 PK	74.0	-17.9	2.84 V	304	53.8	2.3
4	5350.00	45.9 AV	54.0	-8.1	2.84 V	304	43.6	2.3
5	10640.00	58.2 PK	74.0	-15.8	2.51 V	275	49.3	8.9
6	10640.00	43.2 AV	54.0	-10.8	2.51 V	275	34.3	8.9

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	1.61 H	300	55.2	2.6
2	5150.00	46.7 AV	54.0	-7.3	1.61 H	300	44.1	2.6
3	*5260.00	104.4 PK			1.61 H	300	64.3	40.1
4	*5260.00	96.3 AV			1.61 H	300	56.2	40.1
5	#10520.00	57.8 PK	68.2	-10.4	1.94 H	344	48.7	9.1

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	5150.00	56.8 PK	74.0	-17.2	2.87 V	314	54.2	2.6
2	5150.00	46.3 AV	54.0	-7.7	2.87 V	314	43.7	2.6
3	*5260.00	102.3 PK			2.87 V	314	62.2	40.1
4	*5260.00	93.6 AV			2.87 V	314	53.5	40.1
5	#10520.00	57.9 PK	68.2	-10.3	2.62 V	293	48.8	9.1

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	104.7 PK			1.63 H	304	64.6	40.1
2	*5300.00	96.6 AV			1.63 H	304	56.5	40.1
3	10600.00	58.2 PK	74.0	-15.8	1.94 H	341	49.1	9.1
4	10600.00	43.1 AV	54.0	-10.9	1.94 H	341	34.0	9.1
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	*5300.00	102.5 PK			2.89 V	312	62.4	40.1
2	*5300.00	93.8 AV			2.89 V	312	53.7	40.1
3	10600.00	59.4 PK	74.0	-14.6	2.53 V	275	50.3	9.1
4	10600.00	44.3 AV	54.0	-9.7	2.53 V	275	35.2	9.1

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	105.4 PK			1.70 H	300	65.3	40.1
2	*5320.00	96.0 AV			1.70 H	300	55.9	40.1
3	5350.00	56.2 PK	74.0	-17.8	1.70 H	300	53.9	2.3
4	5350.00	45.9 AV	54.0	-8.1	1.70 H	300	43.6	2.3
5	10640.00	58.6 PK	74.0	-15.4	1.92 H	341	49.7	8.9
6	10640.00	43.6 AV	54.0	-10.4	1.92 H	341	34.7	8.9

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	*5320.00	102.5 PK			2.84 V	304	62.4	40.1
2	*5320.00	93.3 AV			2.84 V	304	53.2	40.1
3	5350.00	56.4 PK	74.0	-17.6	2.84 V	304	54.1	2.3
4	5350.00	46.0 AV	54.0	-8.0	2.84 V	304	43.7	2.3
5	10640.00	58.1 PK	74.0	-15.9	2.51 V	275	49.2	8.9
6	10640.00	43.0 AV	54.0	-11.0	2.51 V	275	34.1	8.9

Remarks:

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



RF Mode	802.11ax (HE40) Full RU	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.0 PK	74.0	-17.0	1.74 H	300	54.4	2.6
2	5150.00	46.6 AV	54.0	-7.4	1.74 H	300	44.0	2.6
3	*5270.00	102.2 PK			1.74 H	300	62.1	40.1
4	*5270.00	93.2 AV			1.74 H	300	53.1	40.1
5	#10540.00	57.9 PK	68.2	-10.3	1.94 H	340	48.8	9.1

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	5150.00	57.8 PK	74.0	-16.2	2.83 V	316	55.2	2.6
2	5150.00	46.6 AV	54.0	-7.4	2.83 V	316	44.0	2.6
3	*5270.00	99.6 PK			2.83 V	316	59.5	40.1
4	*5270.00	90.2 AV			2.83 V	316	50.1	40.1
5	#10540.00	57.5 PK	68.2	-10.7	2.62 V	285	48.4	9.1

Remarks:

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



RF Mode	802.11ax (HE40) Full RU	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	102.4 PK			1.70 H	300	62.3	40.1
2	*5310.00	91.9 AV			1.70 H	300	51.8	40.1
3	5350.00	57.8 PK	74.0	-16.2	1.70 H	300	55.5	2.3
4	5350.00	47.9 AV	54.0	-6.1	1.70 H	300	45.6	2.3
5	10620.00	58.2 PK	74.0	-15.8	1.92 H	341	49.2	9.0
6	10620.00	43.2 AV	54.0	-10.8	1.92 H	341	34.2	9.0

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	99.6 PK			2.84 V	304	59.5	40.1
2	*5310.00	90.1 AV			2.84 V	304	50.0	40.1
3	5350.00	56.5 PK	74.0	-17.5	2.84 V	304	54.2	2.3
4	5350.00	46.2 AV	54.0	-7.8	2.84 V	304	43.9	2.3
5	10620.00	58.6 PK	74.0	-15.4	2.51 V	275	49.6	9.0
6	10620.00	43.5 AV	54.0	-10.5	2.51 V	275	34.5	9.0

Remarks:

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

RF Mode	802.11ax (HE80) Full RU	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.6 PK	74.0	-16.4	1.61 H	300	55.0	2.6
2	5150.00	46.5 AV	54.0	-7.5	1.61 H	300	43.9	2.6
3	*5290.00	100.4 PK			1.61 H	300	60.3	40.1
4	*5290.00	90.9 AV			1.61 H	300	50.8	40.1
5	5350.00	57.6 PK	74.0	-16.4	1.61 H	300	55.3	2.3
6	5350.00	46.9 AV	54.0	-7.1	1.61 H	300	44.6	2.3
7	#10580.00	57.9 PK	68.2	-10.3	1.94 H	336	48.9	9.0
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	5150.00	57.7 PK	74.0	-16.3	2.82 V	317	55.1	2.6
2	5150.00	46.6 AV	54.0	-7.4	2.82 V	317	44.0	2.6
3	*5290.00	97.0 PK			2.82 V	317	56.9	40.1
4	*5290.00	88.7 AV			2.82 V	317	48.6	40.1
5	5350.00	56.6 PK	74.0	-17.4	2.82 V	317	54.3	2.3
6	5350.00	46.8 AV	54.0	-7.2	2.82 V	317	44.5	2.3
7	#10580.00	57.4 PK	68.2	-10.8	2.59 V	291	48.4	9.0

Remarks:

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



RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.8 PK	74.0	-19.2	1.72 H	299	52.3	2.5
2	5460.00	46.4 AV	54.0	-7.6	1.72 H	299	43.9	2.5
3	#5470.00	55.4 PK	68.2	-12.8	1.72 H	299	52.9	2.5
4	*5500.00	102.5 PK			1.72 H	299	62.1	40.4
5	*5500.00	95.4 AV			1.72 H	299	55.0	40.4
6	11000.00	58.8 PK	74.0	-15.2	1.84 H	342	49.6	9.2
7	11000.00	43.7 AV	54.0	-10.3	1.84 H	342	34.5	9.2

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	5460.00	57.9 PK	74.0	-16.1	2.78 V	317	55.4	2.5
2	5460.00	46.3 AV	54.0	-7.7	2.78 V	317	43.8	2.5
3	#5470.00	55.6 PK	68.2	-12.6	2.78 V	317	53.1	2.5
4	*5500.00	99.5 PK			2.78 V	317	59.1	40.4
5	*5500.00	92.6 AV			2.78 V	317	52.2	40.4
6	11000.00	58.9 PK	74.0	-15.1	2.55 V	267	49.7	9.2
7	11000.00	43.8 AV	54.0	-10.2	2.55 V	267	34.6	9.2

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 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	103.1 PK			1.74 H	294	62.3	40.8
2	*5580.00	96.0 AV			1.74 H	294	55.2	40.8
3	11160.00	59.2 PK	74.0	-14.8	1.84 H	340	49.5	9.7
4	11160.00	44.1 AV	54.0	-9.9	1.84 H	340	34.4	9.7
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	*5580.00	100.2 PK			2.74 V	312	59.4	40.8
2	*5580.00	93.3 AV			2.74 V	312	52.5	40.8
3	11160.00	59.0 PK	74.0	-15.0	2.49 V	261	49.3	9.7
4	11160.00	43.9 AV	54.0	-10.1	2.49 V	261	34.2	9.7

Remarks:

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



RF Mode	802.11a	Channel	CH 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	103.5 PK			1.69 H	297	62.0	41.5
2	*5700.00	96.4 AV			1.69 H	297	54.9	41.5
3	#5725.00	57.8 PK	68.2	-10.4	1.69 H	297	53.9	3.9
4	11400.00	59.9 PK	74.0	-14.1	1.85 H	336	49.8	10.1
5	11400.00	44.7 AV	54.0	-9.3	1.85 H	336	34.6	10.1

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	*5700.00	100.8 PK			2.70 V	308	59.3	41.5
2	*5700.00	93.7 AV			2.70 V	308	52.2	41.5
3	#5725.00	58.0 PK	68.2	-10.2	2.70 V	308	54.1	3.9
4	11400.00	59.6 PK	74.0	-14.4	2.47 V	258	49.5	10.1
5	11400.00	44.6 AV	54.0	-9.4	2.47 V	258	34.5	10.1

Remarks:

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



RF Mode	802.11a	Channel	CH 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.1 PK	68.2	-11.1	1.68 H	317	54.6	2.5
2	*5720.00	99.8 PK			1.68 H	317	58.3	41.5
3	*5720.00	91.8 AV			1.68 H	317	50.3	41.5
4	#5850.00	58.7 PK	68.2	-9.5	1.68 H	317	54.6	4.1
5	11440.00	58.6 PK	74.0	-15.4	2.05 H	355	48.4	10.2
6	11440.00	47.4 AV	54.0	-6.6	2.05 H	355	37.2	10.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.0 PK	68.2	-11.2	2.83 V	248	54.5	2.5
2	*5720.00	97.8 PK			2.83 V	248	56.3	41.5
3	*5720.00	89.9 AV			2.83 V	248	48.4	41.5
4	#5850.00	58.6 PK	68.2	-9.6	2.83 V	248	54.5	4.1
5	11440.00	58.4 PK	74.0	-15.6	2.54 V	288	48.2	10.2
6	11440.00	47.2 AV	54.0	-6.8	2.54 V	288	37.0	10.2

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) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.6 PK	74.0	-18.4	1.72 H	299	53.1	2.5
2	5460.00	46.2 AV	54.0	-7.8	1.72 H	299	43.7	2.5
3	#5470.00	57.0 PK	68.2	-11.2	1.72 H	299	54.5	2.5
4	*5500.00	104.6 PK			1.72 H	299	64.2	40.4
5	*5500.00	95.3 AV			1.72 H	299	54.9	40.4
6	11000.00	58.5 PK	74.0	-15.5	1.84 H	342	49.3	9.2
7	11000.00	43.4 AV	54.0	-10.6	1.84 H	342	34.2	9.2

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	5460.00	56.6 PK	74.0	-17.4	2.78 V	318	54.1	2.5
2	5460.00	46.5 AV	54.0	-7.5	2.78 V	318	44.0	2.5
3	#5470.00	56.5 PK	68.2	-11.7	2.78 V	318	54.0	2.5
4	*5500.00	102.3 PK			2.78 V	318	61.9	40.4
5	*5500.00	92.6 AV			2.78 V	318	52.2	40.4
6	11000.00	58.9 PK	74.0	-15.1	2.49 V	261	49.7	9.2
7	11000.00	43.7 AV	54.0	-10.3	2.49 V	261	34.5	9.2

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) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	105.3 PK			1.74 H	294	64.5	40.8
2	*5580.00	96.0 AV			1.74 H	294	55.2	40.8
3	11160.00	58.8 PK	74.0	-15.2	1.84 H	340	49.1	9.7
4	11160.00	43.7 AV	54.0	-10.3	1.84 H	340	34.0	9.7

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	*5580.00	103.0 PK			2.74 V	312	62.2	40.8
2	*5580.00	93.2 AV			2.74 V	312	52.4	40.8
3	11160.00	59.0 PK	74.0	-15.0	2.49 V	261	49.3	9.7
4	11160.00	43.8 AV	54.0	-10.2	2.49 V	261	34.1	9.7

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.3 PK			N/A H	N/A	62.8	41.5
2	*5700.00	95.8 AV			N/A H	N/A	54.3	41.5
3	#5725.00	58.6 PK	68.2	-9.6	1.69 H	297	54.7	3.9
4	11400.00	59.3 PK	74.0	-14.7	1.85 H	336	49.2	10.1
5	11400.00	44.2 AV	54.0	-9.8	1.85 H	336	34.1	10.1

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	*5700.00	102.5 PK			2.70 V	308	61.0	41.5
2	*5700.00	93.2 AV			2.70 V	308	51.7	41.5
3	#5725.00	58.5 PK	68.2	-9.7	2.70 V	308	54.6	3.9
4	11400.00	59.0 PK	74.0	-15.0	2.47 V	258	48.9	10.1
5	11400.00	43.9 AV	54.0	-10.1	2.47 V	258	33.8	10.1

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.0 PK	68.2	-11.2	1.68 H	319	54.5	2.5
2	*5720.00	101.1 PK			1.68 H	319	59.6	41.5
3	*5720.00	90.9 AV			1.68 H	319	49.4	41.5
4	#5850.00	58.7 PK	68.2	-9.5	1.68 H	319	54.6	4.1
5	11440.00	58.0 PK	74.0	-16.0	2.04 H	358	47.8	10.2
6	11440.00	47.3 AV	54.0	-6.7	2.04 H	358	37.1	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.8 PK	68.2	-11.4	3.02 V	254	54.3	2.5
2	*5720.00	100.9 PK			3.02 V	254	59.4	41.5
3	*5720.00	90.5 AV			3.02 V	254	49.0	41.5
4	#5850.00	58.4 PK	68.2	-9.8	3.02 V	254	54.3	4.1
5	11440.00	57.8 PK	74.0	-16.2	2.52 V	287	47.6	10.2
6	11440.00	47.0 AV	54.0	-7.0	2.52 V	287	36.8	10.2

Remarks:

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



RF Mode	802.11ax (HE40) Full RU	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.1 PK	74.0	-16.9	1.68 H	299	54.6	2.5
2	5460.00	46.4 AV	54.0	-7.6	1.68 H	299	43.9	2.5
3	#5470.00	55.1 PK	68.2	-13.1	1.68 H	299	52.6	2.5
4	*5510.00	101.5 PK			1.68 H	299	61.1	40.4
5	*5510.00	92.5 AV			1.68 H	299	52.1	40.4
6	11020.00	58.9 PK	74.0	-15.1	1.84 H	339	49.6	9.3
7	11020.00	43.8 AV	54.0	-10.2	1.84 H	339	34.5	9.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.6 PK	74.0	-17.4	2.78 V	318	54.1	2.5
2	5460.00	46.2 AV	54.0	-7.8	2.78 V	318	43.7	2.5
3	#5470.00	55.8 PK	68.2	-12.4	2.78 V	318	53.3	2.5
4	*5510.00	99.2 PK			2.78 V	318	58.8	40.4
5	*5510.00	89.8 AV			2.78 V	318	49.4	40.4
6	11020.00	58.8 PK	74.0	-15.2	2.55 V	267	49.5	9.3
7	11020.00	43.6 AV	54.0	-10.4	2.55 V	267	34.3	9.3

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) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	102.0 PK			1.74 H	294	61.3	40.7
2	*5550.00	93.1 AV			1.74 H	294	52.4	40.7
3	11100.00	59.3 PK	74.0	-14.7	1.84 H	340	49.7	9.6
4	11100.00	44.1 AV	54.0	-9.9	1.84 H	340	34.5	9.6
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	*5550.00	99.8 PK			2.74 V	312	59.1	40.7
2	*5550.00	90.3 AV			2.74 V	312	49.6	40.7
3	11100.00	58.7 PK	74.0	-15.3	2.49 V	261	49.1	9.6
4	11100.00	43.5 AV	54.0	-10.5	2.49 V	261	33.9	9.6

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.



RF Mode	802.11ax (HE40) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	102.3 PK			1.69 H	297	61.0	41.3
2	*5670.00	93.3 AV			1.69 H	297	52.0	41.3
3	#5725.00	58.1 PK	68.2	-10.1	1.69 H	297	54.2	3.9
4	11340.00	59.4 PK	74.0	-14.6	1.84 H	332	49.4	10.0
5	11340.00	44.2 AV	54.0	-9.8	1.84 H	332	34.2	10.0

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	*5670.00	100.1 PK			2.65 V	308	58.8	41.3
2	*5670.00	90.5 AV			2.65 V	308	49.2	41.3
3	#5725.00	57.8 PK	68.2	-10.4	2.65 V	308	53.9	3.9
4	11340.00	59.0 PK	74.0	-15.0	2.45 V	257	49.0	10.0
5	11340.00	43.9 AV	54.0	-10.1	2.45 V	257	33.9	10.0

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) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.1 PK	68.2	-11.1	1.55 H	311	54.6	2.5
2	*5710.00	99.5 PK			1.55 H	311	57.9	41.6
3	*5710.00	88.7 AV			1.55 H	311	47.1	41.6
4	#5850.00	57.9 PK	68.2	-10.3	1.55 H	311	53.8	4.1
5	11420.00	58.5 PK	74.0	-15.5	2.04 H	356	48.4	10.1
6	11420.00	47.2 AV	54.0	-6.8	2.04 H	356	37.1	10.1

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	#5470.00	57.0 PK	68.2	-11.2	3.09 V	256	54.5	2.5
2	*5710.00	98.3 PK			3.09 V	256	56.7	41.6
3	*5710.00	87.7 AV			3.09 V	256	46.1	41.6
4	#5850.00	57.7 PK	68.2	-10.5	3.09 V	256	53.6	4.1
5	11420.00	58.3 PK	74.0	-15.7	2.50 V	283	48.2	10.1
6	11420.00	46.9 AV	54.0	-7.1	2.50 V	283	36.8	10.1

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) Full RU	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	1.64 H	299	54.0	2.5
2	5460.00	46.3 AV	54.0	-7.7	1.64 H	299	43.8	2.5
3	#5470.00	56.2 PK	68.2	-12.0	1.64 H	299	53.7	2.5
4	*5530.00	99.8 PK			1.64 H	299	59.2	40.6
5	*5530.00	90.7 AV			1.64 H	299	50.1	40.6
6	11060.00	58.8 PK	74.0	-15.2	1.84 H	337	49.3	9.5
7	11060.00	43.8 AV	54.0	-10.2	1.84 H	337	34.3	9.5

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	5460.00	57.0 PK	74.0	-17.0	2.78 V	312	54.5	2.5
2	5460.00	46.2 AV	54.0	-7.8	2.78 V	312	43.7	2.5
3	#5470.00	56.5 PK	68.2	-11.7	2.78 V	312	54.0	2.5
4	*5530.00	98.0 PK			2.78 V	312	57.4	40.6
5	*5530.00	87.5 AV			2.78 V	312	46.9	40.6
6	11060.00	58.8 PK	74.0	-15.2	2.54 V	267	49.3	9.5
7	11060.00	43.4 AV	54.0	-10.6	2.54 V	267	33.9	9.5

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 (HE80) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.9 PK	74.0	-17.1	1.66 H	298	54.4	2.5
2	5460.00	46.3 AV	54.0	-7.7	1.66 H	298	43.8	2.5
3	#5470.00	55.4 PK	68.2	-12.8	1.66 H	298	52.9	2.5
4	*5610.00	99.8 PK			1.66 H	298	58.8	41.0
5	*5610.00	91.5 AV			1.66 H	298	50.5	41.0
6	#5725.00	58.6 PK	68.2	-9.6	1.66 H	298	54.7	3.9
7	11220.00	59.4 PK	74.0	-14.6	1.90 H	342	49.5	9.9
8	11220.00	44.3 AV	54.0	-9.7	1.90 H	342	34.4	9.9

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.7 PK	74.0	-17.3	2.77 V	308	54.2	2.5
2	5460.00	46.1 AV	54.0	-7.9	2.77 V	308	43.6	2.5
3	#5470.00	55.8 PK	68.2	-12.4	2.77 V	308	53.3	2.5
4	*5610.00	97.4 PK			2.77 V	308	56.4	41.0
5	*5610.00	89.1 AV			2.77 V	308	48.1	41.0
6	#5725.00	58.9 PK	68.2	-9.3	2.77 V	308	55.0	3.9
7	11220.00	58.9 PK	74.0	-15.1	2.50 V	263	49.0	9.9
8	11220.00	43.8 AV	54.0	-10.2	2.50 V	263	33.9	9.9

Remarks:

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

RF Mode	802.11ax (HE80) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.7 PK	68.2	-11.5	1.64 H	315	54.2	2.5
2	*5690.00	97.0 PK			1.64 H	315	55.6	41.4
3	*5690.00	88.0 AV			1.64 H	315	46.6	41.4
4	#5850.00	58.4 PK	68.2	-9.8	1.64 H	315	54.3	4.1
5	11380.00	59.4 PK	74.0	-14.6	1.88 H	345	49.3	10.1
6	11380.00	44.4 AV	54.0	-9.6	1.88 H	345	34.3	10.1

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	#5470.00	56.5 PK	68.2	-11.7	2.40 V	267	54.0	2.5
2	*5690.00	96.8 PK			2.40 V	267	55.4	41.4
3	*5690.00	87.1 AV			2.40 V	267	45.7	41.4
4	#5850.00	58.2 PK	68.2	-10.0	2.40 V	267	54.1	4.1
5	11380.00	59.2 PK	74.0	-14.8	2.58 V	288	49.1	10.1
6	11380.00	44.1 AV	54.0	-9.9	2.58 V	288	34.0	10.1

Remarks:

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



RF Mode	802.11a	Channel	CH 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.80	57.4 PK	68.2	-10.8	1.59 H	326	53.8	3.6
2	*5745.00	99.6 PK			1.59 H	326	58.0	41.6
3	*5745.00	91.8 AV			1.59 H	326	50.2	41.6
4	#5996.80	58.6 PK	68.2	-9.6	1.59 H	326	54.2	4.4
5	11490.00	58.4 PK	74.0	-15.6	2.02 H	350	48.3	10.1
6	11490.00	47.1 AV	54.0	-6.9	2.02 H	350	37.0	10.1

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	#5612.00	57.0 PK	68.2	-11.2	3.00 V	254	53.6	3.4
2	*5745.00	98.9 PK			3.00 V	254	57.3	41.6
3	*5745.00	91.3 AV			3.00 V	254	49.7	41.6
4	#5962.40	58.0 PK	68.2	-10.2	3.00 V	254	53.8	4.2
5	11490.00	58.3 PK	74.0	-15.7	2.54 V	285	48.2	10.1
6	11490.00	47.0 AV	54.0	-7.0	2.54 V	285	36.9	10.1

Remarks:

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



RF Mode	802.11a	Channel	CH 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.80	57.7 PK	68.2	-10.5	1.74 H	312	54.1	3.6
2	*5785.00	100.8 PK			1.74 H	312	59.0	41.8
3	*5785.00	92.1 AV			1.74 H	312	50.3	41.8
4	#5959.20	59.1 PK	68.2	-9.1	1.74 H	312	54.9	4.2
5	11570.00	58.4 PK	74.0	-15.6	2.05 H	355	48.5	9.9
6	11570.00	47.0 AV	54.0	-7.0	2.05 H	355	37.1	9.9

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	#5629.20	56.9 PK	68.2	-11.3	3.01 V	252	53.3	3.6
2	*5785.00	98.6 PK			3.01 V	252	56.8	41.8
3	*5785.00	90.2 AV			3.01 V	252	48.4	41.8
4	#5956.80	57.9 PK	68.2	-10.3	3.01 V	252	53.7	4.2
5	11570.00	58.1 PK	74.0	-15.9	2.59 V	288	48.2	9.9
6	11570.00	46.6 AV	54.0	-7.4	2.59 V	288	36.7	9.9

Remarks:

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



RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.60	57.4 PK	68.2	-10.8	1.64 H	313	54.0	3.4
2	*5825.00	99.4 PK			1.64 H	313	57.6	41.8
3	*5825.00	91.4 AV			1.64 H	313	49.6	41.8
4	#5977.60	59.5 PK	68.2	-8.7	1.64 H	313	55.2	4.3
5	11650.00	58.1 PK	74.0	-15.9	2.05 H	356	48.4	9.7
6	11650.00	46.6 AV	54.0	-7.4	2.05 H	356	36.9	9.7

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	#5638.00	57.2 PK	68.2	-11.0	3.00 V	251	53.6	3.6
2	*5825.00	97.4 PK			3.00 V	251	55.6	41.8
3	*5825.00	89.4 AV			3.00 V	251	47.6	41.8
4	#5973.60	58.7 PK	68.2	-9.5	3.00 V	251	54.4	4.3
5	11650.00	57.9 PK	74.0	-16.1	2.52 V	285	48.2	9.7
6	11650.00	46.4 AV	54.0	-7.6	2.52 V	285	36.7	9.7

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) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.20	56.9 PK	68.2	-11.3	1.69 H	322	53.3	3.6
2	*5745.00	100.7 PK			1.69 H	322	59.1	41.6
3	*5745.00	90.8 AV			1.69 H	322	49.2	41.6
4	#5955.60	59.0 PK	68.2	-9.2	1.69 H	322	54.8	4.2
5	11490.00	58.5 PK	74.0	-15.5	2.04 H	357	48.4	10.1
6	11490.00	47.1 AV	54.0	-6.9	2.04 H	357	37.0	10.1

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	#5628.40	57.4 PK	68.2	-10.8	2.96 V	263	53.8	3.6
2	*5745.00	99.2 PK			2.96 V	263	57.6	41.6
3	*5745.00	89.3 AV			2.96 V	263	47.7	41.6
4	#5970.80	58.3 PK	68.2	-9.9	2.96 V	263	54.1	4.2
5	11490.00	58.3 PK	74.0	-15.7	2.58 V	284	48.2	10.1
6	11490.00	46.8 AV	54.0	-7.2	2.58 V	284	36.7	10.1

Remarks:

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



RF Mode	802.11ax (HE20) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.80	57.0 PK	68.2	-11.2	1.59 H	316	53.6	3.4
2	*5785.00	100.9 PK			1.59 H	316	59.1	41.8
3	*5785.00	90.8 AV			1.59 H	316	49.0	41.8
4	#5963.60	58.1 PK	68.2	-10.1	1.59 H	316	53.9	4.2
5	11570.00	58.3 PK	74.0	-15.7	2.00 H	354	48.4	9.9
6	11570.00	46.8 AV	54.0	-7.2	2.00 H	354	36.9	9.9

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	#5602.40	56.9 PK	68.2	-11.3	3.03 V	261	53.5	3.4
2	*5785.00	99.9 PK			3.03 V	261	58.1	41.8
3	*5785.00	89.4 AV			3.03 V	261	47.6	41.8
4	#5944.80	58.2 PK	68.2	-10.0	3.03 V	261	54.0	4.2
5	11570.00	58.1 PK	74.0	-15.9	2.53 V	285	48.2	9.9
6	11570.00	46.5 AV	54.0	-7.5	2.53 V	285	36.6	9.9

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 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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.40	57.6 PK	68.2	-10.6	1.81 H	312	54.2	3.4
2	*5825.00	102.0 PK			1.81 H	312	60.2	41.8
3	*5825.00	90.7 AV			1.81 H	312	48.9	41.8
4	#5950.40	58.0 PK	68.2	-10.2	1.81 H	312	53.8	4.2
5	11650.00	58.0 PK	74.0	-16.0	2.01 H	355	48.3	9.7
6	11650.00	46.6 AV	54.0	-7.4	2.01 H	355	36.9	9.7

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	#5602.40	56.4 PK	68.2	-11.8	3.02 V	253	53.0	3.4
2	*5825.00	98.8 PK			3.02 V	253	57.0	41.8
3	*5825.00	88.7 AV			3.02 V	253	46.9	41.8
4	#5972.00	58.5 PK	68.2	-9.7	3.02 V	253	54.3	4.2
5	11650.00	57.7 PK	74.0	-16.3	2.50 V	284	48.0	9.7
6	11650.00	46.4 AV	54.0	-7.6	2.50 V	284	36.7	9.7

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) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.00	56.4 PK	68.2	-11.8	1.69 H	317	53.0	3.4
2	*5755.00	99.3 PK			1.69 H	317	57.6	41.7
3	*5755.00	88.5 AV			1.69 H	317	46.8	41.7
4	#5942.40	57.6 PK	68.2	-10.6	1.69 H	317	53.4	4.2
5	11510.00	58.5 PK	74.0	-15.5	2.05 H	358	48.4	10.1
6	11510.00	47.3 AV	54.0	-6.7	2.05 H	358	37.2	10.1

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	#5607.60	57.2 PK	68.2	-11.0	3.02 V	251	53.8	3.4
2	*5755.00	98.7 PK			3.02 V	251	57.0	41.7
3	*5755.00	87.7 AV			3.02 V	251	46.0	41.7
4	#5960.00	58.4 PK	68.2	-9.8	3.02 V	251	54.2	4.2
5	11510.00	58.3 PK	74.0	-15.7	2.56 V	285	48.2	10.1
6	11510.00	47.1 AV	54.0	-6.9	2.56 V	285	37.0	10.1

Remarks:

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



RF Mode	802.11ax (HE40) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.20	56.8 PK	68.2	-11.4	1.54 H	316	53.2	3.6
2	*5795.00	97.5 PK			1.54 H	316	55.7	41.8
3	*5795.00	87.1 AV			1.54 H	316	45.3	41.8
4	#5982.40	59.0 PK	68.2	-9.2	1.54 H	316	54.7	4.3
5	11590.00	58.3 PK	74.0	-15.7	2.04 H	355	48.4	9.9
6	11590.00	46.9 AV	54.0	-7.1	2.04 H	355	37.0	9.9

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	#5647.20	57.5 PK	68.2	-10.7	2.95 V	265	53.9	3.6
2	*5795.00	97.1 PK			2.95 V	265	55.3	41.8
3	*5795.00	86.4 AV			2.95 V	265	44.6	41.8
4	#5988.40	58.9 PK	68.2	-9.3	2.95 V	265	54.5	4.4
5	11590.00	58.2 PK	74.0	-15.8	2.58 V	284	48.3	9.9
6	11590.00	46.7 AV	54.0	-7.3	2.58 V	284	36.8	9.9

Remarks:

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



RF Mode	802.11ax (HE80) Full RU	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, 75% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.60	56.7 PK	68.2	-11.5	1.75 H	313	53.1	3.6
2	*5775.00	96.6 PK			1.75 H	313	54.8	41.8
3	*5775.00	86.7 AV			1.75 H	313	44.9	41.8
4	#5981.60	58.3 PK	68.2	-9.9	1.75 H	313	54.0	4.3
5	11550.00	58.5 PK	74.0	-15.5	2.03 H	348	48.5	10.0
6	11550.00	47.2 AV	54.0	-6.8	2.03 H	348	37.2	10.0

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	#5640.00	57.7 PK	68.2	-10.5	2.83 V	273	54.1	3.6
2	*5775.00	96.1 PK			2.83 V	273	54.3	41.8
3	*5775.00	85.3 AV			2.83 V	273	43.5	41.8
4	#5988.40	58.3 PK	68.2	-9.9	2.83 V	273	53.9	4.4
5	11550.00	58.3 PK	74.0	-15.7	2.58 V	288	48.3	10.0
6	11550.00	47.0 AV	54.0	-7.0	2.58 V	288	37.0	10.0

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) 26-tone 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	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	1.93 H	195	55.5	2.6
2	5150.00	46.5 AV	54.0	-7.5	1.93 H	195	43.9	2.6
3	*5180.00	98.5 PK			1.93 H	195	58.3	40.2
4	*5180.00	91.0 AV			1.93 H	195	50.8	40.2
5	#10360.00	59.8 PK	68.2	-8.4	1.79 H	136	51.0	8.8

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	57.3 PK	74.0	-16.7	1.73 V	149	54.7	2.6
2	5150.00	46.2 AV	54.0	-7.8	1.73 V	149	43.6	2.6
3	*5180.00	98.3 PK			1.73 V	149	58.1	40.2
4	*5180.00	89.9 AV			1.73 V	149	49.7	40.2
5	#10360.00	59.1 PK	68.2	-9.1	2.17 V	152	50.3	8.8

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) 26-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	98.5 PK			1.64 H	321	58.4	40.1
2	*5320.00	88.9 AV			1.64 H	321	48.8	40.1
3	5350.00	57.2 PK	74.0	-16.8	1.64 H	321	54.9	2.3
4	5350.00	46.6 AV	54.0	-7.4	1.64 H	321	44.3	2.3
5	10640.00	56.2 PK	74.0	-17.8	2.04 H	355	47.3	8.9
6	10640.00	45.9 AV	54.0	-8.1	2.04 H	355	37.0	8.9

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	*5320.00	97.3 PK			3.22 V	276	57.2	40.1
2	*5320.00	88.0 AV			3.22 V	276	47.9	40.1
3	5350.00	57.0 PK	74.0	-17.0	3.22 V	276	54.7	2.3
4	5350.00	46.5 AV	54.0	-7.5	3.22 V	276	44.2	2.3
5	10640.00	56.0 PK	74.0	-18.0	2.58 V	288	47.1	8.9
6	10640.00	45.7 AV	54.0	-8.3	2.58 V	288	36.8	8.9

Remarks:

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



RF Mode	802.11ax (HE20) 26-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.8 PK	74.0	-17.2	1.30 H	314	54.3	2.5
2	5460.00	46.7 AV	54.0	-7.3	1.30 H	314	44.2	2.5
3	#5470.00	57.5 PK	68.2	-10.7	1.30 H	314	55.0	2.5
4	*5500.00	99.8 PK			1.30 H	314	59.4	40.4
5	*5500.00	90.3 AV			1.30 H	314	49.9	40.4
6	11000.00	56.8 PK	74.0	-17.2	2.03 H	356	47.6	9.2
7	11000.00	46.5 AV	54.0	-7.5	2.03 H	356	37.3	9.2

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	5460.00	56.6 PK	74.0	-17.4	3.54 V	284	54.1	2.5
2	5460.00	46.5 AV	54.0	-7.5	3.54 V	284	44.0	2.5
3	#5470.00	57.1 PK	68.2	-11.1	3.54 V	284	54.6	2.5
4	*5500.00	97.2 PK			3.54 V	284	56.8	40.4
5	*5500.00	88.4 AV			3.54 V	284	48.0	40.4
6	11000.00	56.5 PK	74.0	-17.5	2.56 V	287	47.3	9.2
7	11000.00	46.3 AV	54.0	-7.7	2.56 V	287	37.1	9.2

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) 26-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	101.9 PK			1.59 H	311	60.4	41.5
2	*5700.00	91.5 AV			1.59 H	311	50.0	41.5
3	#5725.00	58.5 PK	68.2	-9.7	1.59 H	311	54.6	3.9
4	11400.00	57.7 PK	74.0	-16.3	2.03 H	352	47.6	10.1
5	11400.00	47.4 AV	54.0	-6.6	2.03 H	352	37.3	10.1

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	*5700.00	98.5 PK			3.45 V	284	57.0	41.5
2	*5700.00	89.9 AV			3.45 V	284	48.4	41.5
3	#5725.00	58.2 PK	68.2	-10.0	3.45 V	284	54.3	3.9
4	11400.00	57.5 PK	74.0	-16.5	2.56 V	288	47.4	10.1
5	11400.00	47.1 AV	54.0	-6.9	2.56 V	288	37.0	10.1

Remarks:

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



RF Mode	802.11ax (HE20) 26-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.0 PK	68.2	-11.2	1.64 H	313	54.5	2.5
2	*5720.00	100.2 PK			1.64 H	313	58.7	41.5
3	*5720.00	90.9 AV			1.64 H	313	49.4	41.5
4	#5850.00	58.0 PK	68.2	-10.2	1.64 H	313	53.9	4.1
5	11440.00	57.6 PK	74.0	-16.4	2.04 H	356	47.4	10.2
6	11440.00	47.4 AV	54.0	-6.6	2.04 H	356	37.2	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.8 PK	68.2	-11.4	3.37 V	285	54.3	2.5
2	*5720.00	99.9 PK			3.37 V	285	58.4	41.5
3	*5720.00	89.1 AV			3.37 V	285	47.6	41.5
4	#5850.00	57.7 PK	68.2	-10.5	3.37 V	285	53.6	4.1
5	11440.00	57.5 PK	74.0	-16.5	2.52 V	286	47.3	10.2
6	11440.00	47.2 AV	54.0	-6.8	2.52 V	286	37.0	10.2

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) 26-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5622.80	57.5 PK	68.2	-10.7	1.59 H	317	54.1	3.4
2	*5745.00	99.3 PK			1.59 H	317	57.7	41.6
3	*5745.00	90.0 AV			1.59 H	317	48.4	41.6
4	#5985.20	58.5 PK	68.2	-9.7	1.59 H	317	54.1	4.4
5	11490.00	57.6 PK	74.0	-16.4	2.03 H	354	47.5	10.1
6	11490.00	47.3 AV	54.0	-6.7	2.03 H	354	37.2	10.1

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	#5635.20	56.7 PK	68.2	-11.5	3.55 V	292	53.1	3.6
2	*5745.00	99.2 PK			3.55 V	292	57.6	41.6
3	*5745.00	89.6 AV			3.55 V	292	48.0	41.6
4	#5956.00	58.6 PK	68.2	-9.6	3.55 V	292	54.4	4.2
5	11490.00	57.3 PK	74.0	-16.7	2.50 V	286	47.2	10.1
6	11490.00	47.1 AV	54.0	-6.9	2.50 V	286	37.0	10.1

Remarks:

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



RF Mode	802.11ax (HE20) 26-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.40	58.6 PK	68.2	-9.6	1.58 H	309	55.0	3.6
2	*5825.00	99.7 PK			1.58 H	309	57.9	41.8
3	*5825.00	90.3 AV			1.58 H	309	48.5	41.8
4	#5953.20	59.2 PK	68.2	-9.0	1.58 H	309	55.0	4.2
5	11650.00	57.2 PK	74.0	-16.8	2.04 H	354	47.5	9.7
6	11650.00	46.9 AV	54.0	-7.1	2.04 H	354	37.2	9.7

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	#5602.80	57.6 PK	68.2	-10.6	3.13 V	309	54.2	3.4
2	*5825.00	96.4 PK			3.13 V	309	54.6	41.8
3	*5825.00	86.8 AV			3.13 V	309	45.0	41.8
4	#5996.40	59.0 PK	68.2	-9.2	3.13 V	309	54.6	4.4
5	11650.00	56.9 PK	74.0	-17.1	2.55 V	280	47.2	9.7
6	11650.00	46.7 AV	54.0	-7.3	2.55 V	280	37.0	9.7

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) 52-tone 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	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	1.54 H	319	55.3	2.6
2	5150.00	46.4 AV	54.0	-7.6	1.54 H	319	43.8	2.6
3	*5180.00	100.8 PK			1.54 H	319	60.6	40.2
4	*5180.00	90.4 AV			1.54 H	319	50.2	40.2
5	#10360.00	58.8 PK	68.2	-9.4	2.05 H	356	50.0	8.8

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	57.7 PK	74.0	-16.3	3.25 V	313	55.1	2.6
2	5150.00	46.3 AV	54.0	-7.7	3.25 V	313	43.7	2.6
3	*5180.00	99.3 PK			3.25 V	313	59.1	40.2
4	*5180.00	89.2 AV			3.25 V	313	49.0	40.2
5	#10360.00	58.4 PK	68.2	-9.8	2.55 V	284	49.6	8.8

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) 52-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	99.4 PK			1.58 H	318	59.3	40.1
2	*5320.00	89.7 AV			1.58 H	318	49.6	40.1
3	5350.00	57.1 PK	74.0	-16.9	1.58 H	318	54.8	2.3
4	5350.00	46.6 AV	54.0	-7.4	1.58 H	318	44.3	2.3
5	10640.00	56.4 PK	74.0	-17.6	2.04 H	352	47.5	8.9
6	10640.00	46.1 AV	54.0	-7.9	2.04 H	352	37.2	8.9

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	*5320.00	97.6 PK			3.43 V	288	57.5	40.1
2	*5320.00	87.6 AV			3.43 V	288	47.5	40.1
3	5350.00	56.9 PK	74.0	-17.1	3.43 V	288	54.6	2.3
4	5350.00	46.5 AV	54.0	-7.5	3.43 V	288	44.2	2.3
5	10640.00	56.1 PK	74.0	-17.9	2.59 V	286	47.2	8.9
6	10640.00	45.9 AV	54.0	-8.1	2.59 V	286	37.0	8.9

Remarks:

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



RF Mode	802.11ax (HE20) 52-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	1.32 H	316	54.7	2.5
2	5460.00	46.5 AV	54.0	-7.5	1.32 H	316	44.0	2.5
3	#5470.00	57.7 PK	68.2	-10.5	1.32 H	316	55.2	2.5
4	*5500.00	100.0 PK			1.32 H	316	59.6	40.4
5	*5500.00	90.0 AV			1.32 H	316	49.6	40.4
6	11000.00	56.7 PK	74.0	-17.3	2.05 H	348	47.5	9.2
7	11000.00	46.5 AV	54.0	-7.5	2.05 H	348	37.3	9.2

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	5460.00	57.0 PK	74.0	-17.0	3.54 V	284	54.5	2.5
2	5460.00	46.3 AV	54.0	-7.7	3.54 V	284	43.8	2.5
3	#5470.00	57.3 PK	68.2	-10.9	3.54 V	284	54.8	2.5
4	*5500.00	98.2 PK			3.54 V	284	57.8	40.4
5	*5500.00	88.2 AV			3.54 V	284	47.8	40.4
6	11000.00	56.4 PK	74.0	-17.6	2.56 V	289	47.2	9.2
7	11000.00	46.2 AV	54.0	-7.8	2.56 V	289	37.0	9.2

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) 52-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	102.5 PK			1.57 H	312	61.0	41.5
2	*5700.00	92.3 AV			1.57 H	312	50.8	41.5
3	#5725.00	59.1 PK	68.2	-9.1	1.57 H	312	55.2	3.9
4	11400.00	57.5 PK	74.0	-16.5	2.03 H	354	47.4	10.1
5	11400.00	47.3 AV	54.0	-6.7	2.03 H	354	37.2	10.1

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	*5700.00	100.9 PK			3.44 V	284	59.4	41.5
2	*5700.00	90.8 AV			3.44 V	284	49.3	41.5
3	#5725.00	58.7 PK	68.2	-9.5	3.44 V	284	54.8	3.9
4	11400.00	57.1 PK	74.0	-16.9	2.57 V	287	47.0	10.1
5	11400.00	47.0 AV	54.0	-7.0	2.57 V	287	36.9	10.1

Remarks:

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



RF Mode	802.11ax (HE20) 52-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.0 PK	68.2	-11.2	1.68 H	314	54.5	2.5
2	*5720.00	100.6 PK			1.68 H	314	59.1	41.5
3	*5720.00	90.9 AV			1.68 H	314	49.4	41.5
4	#5850.00	58.4 PK	68.2	-9.8	1.68 H	314	54.3	4.1
5	11440.00	57.7 PK	74.0	-16.3	2.06 H	354	47.5	10.2
6	11440.00	47.3 AV	54.0	-6.7	2.06 H	354	37.1	10.2

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.7 PK	68.2	-11.5	3.36 V	285	54.2	2.5
2	*5720.00	99.7 PK			3.36 V	285	58.2	41.5
3	*5720.00	89.9 AV			3.36 V	285	48.4	41.5
4	#5850.00	58.2 PK	68.2	-10.0	3.36 V	285	54.1	4.1
5	11440.00	57.4 PK	74.0	-16.6	2.60 V	284	47.2	10.2
6	11440.00	47.1 AV	54.0	-6.9	2.60 V	284	36.9	10.2

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) 52-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.20	59.1 PK	68.2	-9.1	1.64 H	317	55.7	3.4
2	*5745.00	101.2 PK			1.64 H	317	59.6	41.6
3	*5745.00	91.4 AV			1.64 H	317	49.8	41.6
4	#5982.80	58.9 PK	68.2	-9.3	1.64 H	317	54.6	4.3
5	11490.00	57.4 PK	74.0	-16.6	2.04 H	355	47.3	10.1
6	11490.00	47.1 AV	54.0	-6.9	2.04 H	355	37.0	10.1

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	#5636.40	57.1 PK	68.2	-11.1	3.53 V	292	53.5	3.6
2	*5745.00	100.8 PK			3.53 V	292	59.2	41.6
3	*5745.00	90.2 AV			3.53 V	292	48.6	41.6
4	#5928.00	58.5 PK	68.2	-9.7	3.53 V	292	54.3	4.2
5	11490.00	57.1 PK	74.0	-16.9	2.55 V	287	47.0	10.1
6	11490.00	46.9 AV	54.0	-7.1	2.55 V	287	36.8	10.1

Remarks:

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



RF Mode	802.11ax (HE20) 52-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.00	58.6 PK	68.2	-9.6	1.64 H	309	55.0	3.6
2	*5825.00	98.9 PK			1.64 H	309	57.1	41.8
3	*5825.00	88.9 AV			1.64 H	309	47.1	41.8
4	#5960.00	59.1 PK	68.2	-9.1	1.64 H	309	54.9	4.2
5	11650.00	56.9 PK	74.0	-17.1	2.04 H	355	47.2	9.7
6	11650.00	46.7 AV	54.0	-7.3	2.04 H	355	37.0	9.7

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	#5636.80	56.5 PK	68.2	-11.7	3.13 V	307	52.9	3.6
2	*5825.00	97.1 PK			3.13 V	307	55.3	41.8
3	*5825.00	86.3 AV			3.13 V	307	44.5	41.8
4	#5983.20	58.2 PK	68.2	-10.0	3.13 V	307	53.9	4.3
5	11650.00	56.6 PK	74.0	-17.4	2.54 V	284	46.9	9.7
6	11650.00	46.5 AV	54.0	-7.5	2.54 V	284	36.8	9.7

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) 106-tone 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	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.2 PK	74.0	-17.8	1.74 H	314	53.6	2.6
2	5150.00	46.3 AV	54.0	-7.7	1.74 H	314	43.7	2.6
3	*5180.00	97.8 PK			1.74 H	314	57.6	40.2
4	*5180.00	87.5 AV			1.74 H	314	47.3	40.2
5	#10360.00	58.3 PK	68.2	-9.9	2.03 H	356	49.5	8.8

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.0 PK	74.0	-18.0	3.24 V	313	53.4	2.6
2	5150.00	46.2 AV	54.0	-7.8	3.24 V	313	43.6	2.6
3	*5180.00	96.3 PK			3.24 V	313	56.1	40.2
4	*5180.00	86.3 AV			3.24 V	313	46.1	40.2
5	#10360.00	58.1 PK	68.2	-10.1	2.58 V	282	49.3	8.8

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) 106-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	97.7 PK			1.65 H	317	57.6	40.1
2	*5320.00	86.6 AV			1.65 H	317	46.5	40.1
3	5350.00	56.9 PK	74.0	-17.1	1.65 H	317	54.6	2.3
4	5350.00	46.6 AV	54.0	-7.4	1.65 H	317	44.3	2.3
5	10640.00	56.3 PK	74.0	-17.7	2.03 H	358	47.4	8.9
6	10640.00	46.1 AV	54.0	-7.9	2.03 H	358	37.2	8.9

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	*5320.00	94.7 PK			3.43 V	288	54.6	40.1
2	*5320.00	84.3 AV			3.43 V	288	44.2	40.1
3	5350.00	56.7 PK	74.0	-17.3	3.43 V	288	54.4	2.3
4	5350.00	46.4 AV	54.0	-7.6	3.43 V	288	44.1	2.3
5	10640.00	56.1 PK	74.0	-17.9	2.60 V	284	47.2	8.9
6	10640.00	45.9 AV	54.0	-8.1	2.60 V	284	37.0	8.9

Remarks:

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



RF Mode	802.11ax (HE20) 106-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	1.28 H	316	54.8	2.5
2	5460.00	46.7 AV	54.0	-7.3	1.28 H	316	44.2	2.5
3	#5470.00	57.7 PK	68.2	-10.5	1.28 H	316	55.2	2.5
4	*5500.00	97.8 PK			1.28 H	316	57.4	40.4
5	*5500.00	87.3 AV			1.28 H	316	46.9	40.4
6	11000.00	56.6 PK	74.0	-17.4	2.04 H	357	47.4	9.2
7	11000.00	46.3 AV	54.0	-7.7	2.04 H	357	37.1	9.2

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	5460.00	57.1 PK	74.0	-16.9	3.54 V	284	54.6	2.5
2	5460.00	46.6 AV	54.0	-7.4	3.54 V	284	44.1	2.5
3	#5470.00	57.1 PK	68.2	-11.1	3.54 V	284	54.6	2.5
4	*5500.00	96.3 PK			3.54 V	284	55.9	40.4
5	*5500.00	85.4 AV			3.54 V	284	45.0	40.4
6	11000.00	56.4 PK	74.0	-17.6	2.59 V	289	47.2	9.2
7	11000.00	46.2 AV	54.0	-7.8	2.59 V	289	37.0	9.2

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) 106-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	99.2 PK			1.47 H	311	57.7	41.5
2	*5700.00	88.8 AV			1.47 H	311	47.3	41.5
3	#5725.00	59.1 PK	68.2	-9.1	1.47 H	311	55.2	3.9
4	11400.00	57.5 PK	74.0	-16.5	2.04 H	355	47.4	10.1
5	11400.00	47.1 AV	54.0	-6.9	2.04 H	355	37.0	10.1

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	*5700.00	98.0 PK			3.44 V	284	56.5	41.5
2	*5700.00	86.9 AV			3.44 V	284	45.4	41.5
3	#5725.00	58.5 PK	68.2	-9.7	3.44 V	284	54.6	3.9
4	11400.00	57.3 PK	74.0	-16.7	2.59 V	285	47.2	10.1
5	11400.00	46.9 AV	54.0	-7.1	2.59 V	285	36.8	10.1

Remarks:

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



RF Mode	802.11ax (HE20) 106-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.0 PK	68.2	-11.2	1.56 H	311	54.5	2.5
2	*5720.00	98.2 PK			1.56 H	311	56.7	41.5
3	*5720.00	87.9 AV			1.56 H	311	46.4	41.5
4	#5850.00	59.2 PK	68.2	-9.0	1.56 H	311	55.1	4.1
5	11440.00	57.6 PK	74.0	-16.4	2.05 H	358	47.4	10.2
6	11440.00	47.3 AV	54.0	-6.7	2.05 H	358	37.1	10.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	56.8 PK	68.2	-11.4	3.38 V	285	54.3	2.5
2	*5720.00	97.2 PK			3.38 V	285	55.7	41.5
3	*5720.00	86.3 AV			3.38 V	285	44.8	41.5
4	#5850.00	58.7 PK	68.2	-9.5	3.38 V	285	54.6	4.1
5	11440.00	57.4 PK	74.0	-16.6	2.56 V	286	47.2	10.2
6	11440.00	47.2 AV	54.0	-6.8	2.56 V	286	37.0	10.2

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) 106-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5602.40	58.0 PK	68.2	-10.2	1.62 H	311	54.6	3.4
2	*5745.00	98.6 PK			1.62 H	311	57.0	41.6
3	*5745.00	88.0 AV			1.62 H	311	46.4	41.6
4	#5996.80	58.4 PK	68.2	-9.8	1.62 H	311	54.0	4.4
5	11490.00	57.6 PK	74.0	-16.4	2.04 H	358	47.5	10.1
6	11490.00	47.3 AV	54.0	-6.7	2.04 H	358	37.2	10.1

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	#5648.00	56.0 PK	68.2	-12.2	3.53 V	292	52.4	3.6
2	*5745.00	98.1 PK			3.53 V	292	56.5	41.6
3	*5745.00	86.6 AV			3.53 V	292	45.0	41.6
4	#5980.40	57.6 PK	68.2	-10.6	3.53 V	292	53.3	4.3
5	11490.00	57.3 PK	74.0	-16.7	2.60 V	283	47.2	10.1
6	11490.00	47.1 AV	54.0	-6.9	2.60 V	283	37.0	10.1

Remarks:

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



RF Mode	802.11ax (HE20) 106-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.80	57.9 PK	68.2	-10.3	1.60 H	309	54.3	3.6
2	*5825.00	95.8 PK			1.60 H	309	54.0	41.8
3	*5825.00	85.7 AV			1.60 H	309	43.9	41.8
4	#5960.80	60.3 PK	68.2	-7.9	1.60 H	309	56.1	4.2
5	11650.00	57.2 PK	74.0	-16.8	2.02 H	357	47.5	9.7
6	11650.00	46.9 AV	54.0	-7.1	2.02 H	357	37.2	9.7

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	#5624.00	56.0 PK	68.2	-12.2	3.13 V	307	52.6	3.4
2	*5825.00	93.6 PK			3.13 V	307	51.8	41.8
3	*5825.00	83.0 AV			3.13 V	307	41.2	41.8
4	#5980.80	57.6 PK	68.2	-10.6	3.13 V	307	53.3	4.3
5	11650.00	56.9 PK	74.0	-17.1	2.56 V	289	47.2	9.7
6	11650.00	46.5 AV	54.0	-7.5	2.56 V	289	36.8	9.7

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) 242-tone 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	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	1.51 H	314	54.8	2.6
2	5150.00	46.6 AV	54.0	-7.4	1.51 H	314	44.0	2.6
3	*5190.00	93.1 PK			1.51 H	314	52.8	40.3
4	*5190.00	83.1 AV			1.51 H	314	42.8	40.3
5	#10380.00	56.1 PK	68.2	-12.1	2.04 H	355	47.3	8.8

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	57.2 PK	74.0	-16.8	3.56 V	294	54.6	2.6
2	5150.00	46.4 AV	54.0	-7.6	3.56 V	294	43.8	2.6
3	*5190.00	91.6 PK			3.56 V	294	51.3	40.3
4	*5190.00	81.7 AV			3.56 V	294	41.4	40.3
5	#10380.00	55.6 PK	68.2	-12.6	2.59 V	282	46.8	8.8

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) 242-tone RU	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	93.6 PK			1.50 H	319	53.5	40.1
2	*5310.00	83.6 AV			1.50 H	319	43.5	40.1
3	5350.00	57.0 PK	74.0	-17.0	1.50 H	319	54.7	2.3
4	5350.00	46.1 AV	54.0	-7.9	1.50 H	319	43.8	2.3
5	10620.00	56.3 PK	74.0	-17.7	2.04 H	355	47.3	9.0
6	10620.00	46.1 AV	54.0	-7.9	2.04 H	355	37.1	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	92.7 PK			3.53 V	264	52.6	40.1
2	*5310.00	82.3 AV			3.53 V	264	42.2	40.1
3	5350.00	56.9 PK	74.0	-17.1	3.53 V	264	54.6	2.3
4	5350.00	45.8 AV	54.0	-8.2	3.53 V	264	43.5	2.3
5	10620.00	56.1 PK	74.0	-17.9	2.59 V	293	47.1	9.0
6	10620.00	45.9 AV	54.0	-8.1	2.59 V	293	36.9	9.0

Remarks:

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



RF Mode	802.11ax (HE40) 242-tone RU	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.0 PK	74.0	-17.0	1.49 H	314	54.5	2.5
2	5460.00	46.3 AV	54.0	-7.7	1.49 H	314	43.8	2.5
3	#5470.00	57.0 PK	68.2	-11.2	1.49 H	314	54.5	2.5
4	*5510.00	94.8 PK			1.49 H	314	54.4	40.4
5	*5510.00	84.5 AV			1.49 H	314	44.1	40.4
6	11020.00	56.4 PK	74.0	-17.6	2.04 H	357	47.1	9.3
7	11020.00	46.2 AV	54.0	-7.8	2.04 H	357	36.9	9.3

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.8 PK	74.0	-17.2	3.95 V	294	54.3	2.5
2	5460.00	46.1 AV	54.0	-7.9	3.95 V	294	43.6	2.5
3	#5470.00	56.8 PK	68.2	-11.4	3.95 V	294	54.3	2.5
4	*5510.00	93.1 PK			3.95 V	294	52.7	40.4
5	*5510.00	83.2 AV			3.95 V	294	42.8	40.4
6	11020.00	56.2 PK	74.0	-17.8	2.57 V	284	46.9	9.3
7	11020.00	46.1 AV	54.0	-7.9	2.57 V	284	36.8	9.3

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) 242-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	95.5 PK			1.49 H	315	54.2	41.3
2	*5670.00	85.4 AV			1.49 H	315	44.1	41.3
3	#5725.00	59.0 PK	68.2	-9.2	1.49 H	315	55.1	3.9
4	11340.00	57.3 PK	74.0	-16.7	2.05 H	358	47.3	10.0
5	11340.00	47.0 AV	54.0	-7.0	2.05 H	358	37.0	10.0

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	*5670.00	93.9 PK			3.72 V	285	52.6	41.3
2	*5670.00	84.0 AV			3.72 V	285	42.7	41.3
3	#5725.00	58.4 PK	68.2	-9.8	3.72 V	285	54.5	3.9
4	11340.00	57.2 PK	74.0	-16.8	2.55 V	290	47.2	10.0
5	11340.00	46.8 AV	54.0	-7.2	2.55 V	290	36.8	10.0

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) 242-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.1 PK	68.2	-11.1	1.64 H	314	54.6	2.5
2	*5710.00	94.5 PK			1.64 H	314	52.9	41.6
3	*5710.00	84.6 AV			1.64 H	314	43.0	41.6
4	#5850.00	59.1 PK	68.2	-9.1	1.64 H	314	55.0	4.1
5	11420.00	57.6 PK	74.0	-16.4	2.04 H	356	47.5	10.1
6	11420.00	47.4 AV	54.0	-6.6	2.04 H	356	37.3	10.1

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	#5470.00	57.0 PK	68.2	-11.2	3.83 V	288	54.5	2.5
2	*5710.00	93.1 PK			3.83 V	288	51.5	41.6
3	*5710.00	82.8 AV			3.83 V	288	41.2	41.6
4	#5850.00	58.7 PK	68.2	-9.5	3.83 V	288	54.6	4.1
5	11420.00	57.4 PK	74.0	-16.6	2.56 V	284	47.3	10.1
6	11420.00	47.2 AV	54.0	-6.8	2.56 V	284	37.1	10.1

Remarks:

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



RF Mode	802.11ax (HE40) 242-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.40	58.9 PK	68.2	-9.3	1.59 H	314	55.3	3.6
2	*5755.00	96.1 PK			1.59 H	314	54.4	41.7
3	*5755.00	84.8 AV			1.59 H	314	43.1	41.7
4	#5982.00	58.5 PK	68.2	-9.7	1.59 H	314	54.2	4.3
5	11510.00	57.4 PK	74.0	-16.6	2.03 H	355	47.3	10.1
6	11510.00	47.4 AV	54.0	-6.6	2.03 H	355	37.3	10.1

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	#5616.80	56.8 PK	68.2	-11.4	3.54 V	280	53.4	3.4
2	*5755.00	93.1 PK			3.54 V	280	51.4	41.7
3	*5755.00	82.4 AV			3.54 V	280	40.7	41.7
4	#5982.80	57.5 PK	68.2	-10.7	3.54 V	280	53.2	4.3
5	11510.00	57.1 PK	74.0	-16.9	2.60 V	288	47.0	10.1
6	11510.00	47.2 AV	54.0	-6.8	2.60 V	288	37.1	10.1

Remarks:

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



RF Mode	802.11ax (HE40) 242-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5630.40	58.1 PK	68.2	-10.1	1.48 H	311	54.5	3.6
2	*5795.00	94.2 PK			1.48 H	311	52.4	41.8
3	*5795.00	83.5 AV			1.48 H	311	41.7	41.8
4	#5996.40	58.7 PK	68.2	-9.5	1.48 H	311	54.3	4.4
5	11590.00	57.2 PK	74.0	-16.8	2.05 H	358	47.3	9.9
6	11590.00	47.1 AV	54.0	-6.9	2.05 H	358	37.2	9.9

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	#5638.00	56.2 PK	68.2	-12.0	3.50 V	279	52.6	3.6
2	*5795.00	92.2 PK			3.50 V	279	50.4	41.8
3	*5795.00	80.2 AV			3.50 V	279	38.4	41.8
4	#5991.60	57.6 PK	68.2	-10.6	3.50 V	279	53.2	4.4
5	11590.00	57.0 PK	74.0	-17.0	2.58 V	288	47.1	9.9
6	11590.00	46.9 AV	54.0	-7.1	2.58 V	288	37.0	9.9

Remarks:

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



RF Mode	802.11ax (HE80) 484-tone 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	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	1.48 H	316	54.6	2.6
2	5150.00	46.3 AV	54.0	-7.7	1.48 H	316	43.7	2.6
3	*5210.00	91.2 PK			1.48 H	316	51.0	40.2
4	*5210.00	80.5 AV			1.48 H	316	40.3	40.2
5	#10420.00	56.1 PK	68.2	-12.1	2.06 H	354	47.2	8.9

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	57.0 PK	74.0	-17.0	3.59 V	277	54.4	2.6
2	5150.00	46.2 AV	54.0	-7.8	3.59 V	277	43.6	2.6
3	*5210.00	89.3 PK			3.59 V	277	49.1	40.2
4	*5210.00	79.0 AV			3.59 V	277	38.8	40.2
5	#10420.00	55.8 PK	68.2	-12.4	2.55 V	292	46.9	8.9

Remarks:

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



RF Mode	802.11ax (HE80) 484-tone RU	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	90.7 PK			1.62 H	317	50.6	40.1
2	*5290.00	80.2 AV			1.62 H	317	40.1	40.1
3	5350.00	56.9 PK	74.0	-17.1	1.62 H	317	54.6	2.3
4	5350.00	46.1 AV	54.0	-7.9	1.62 H	317	43.8	2.3
5	#10580.00	56.2 PK	68.2	-12.0	2.08 H	354	47.2	9.0

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	*5290.00	88.5 PK			3.55 V	280	48.4	40.1
2	*5290.00	78.5 AV			3.55 V	280	38.4	40.1
3	5350.00	56.7 PK	74.0	-17.3	3.55 V	280	54.4	2.3
4	5350.00	45.9 AV	54.0	-8.1	3.55 V	280	43.6	2.3
5	#10580.00	56.0 PK	68.2	-12.2	2.50 V	289	47.0	9.0

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) 484-tone RU	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.1 PK	74.0	-16.9	1.53 H	311	54.6	2.5
2	5460.00	46.4 AV	54.0	-7.6	1.53 H	311	43.9	2.5
3	#5470.00	57.7 PK	68.2	-10.5	1.53 H	311	55.2	2.5
4	*5530.00	92.3 PK			1.53 H	311	51.7	40.6
5	*5530.00	82.0 AV			1.53 H	311	41.4	40.6
6	11060.00	56.8 PK	74.0	-17.2	2.04 H	358	47.3	9.5
7	11060.00	46.5 AV	54.0	-7.5	2.04 H	358	37.0	9.5

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	5460.00	56.9 PK	74.0	-17.1	3.58 V	283	54.4	2.5
2	5460.00	46.1 AV	54.0	-7.9	3.58 V	283	43.6	2.5
3	#5470.00	57.2 PK	68.2	-11.0	3.58 V	283	54.7	2.5
4	*5530.00	89.9 PK			3.58 V	283	49.3	40.6
5	*5530.00	79.9 AV			3.58 V	283	39.3	40.6
6	11060.00	56.4 PK	74.0	-17.6	3.50 V	288	46.9	9.5
7	11060.00	46.2 AV	54.0	-7.8	3.50 V	288	36.7	9.5

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 (HE80) 484-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	93.2 PK			1.50 H	321	52.2	41.0
2	*5610.00	82.9 AV			1.50 H	321	41.9	41.0
3	#5725.00	58.7 PK	68.2	-9.5	1.50 H	321	54.8	3.9
4	11220.00	57.3 PK	74.0	-16.7	2.04 H	358	47.4	9.9
5	11220.00	47.1 AV	54.0	-6.9	2.04 H	358	37.2	9.9

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	*5610.00	92.2 PK			3.56 V	282	51.2	41.0
2	*5610.00	82.0 AV			3.56 V	282	41.0	41.0
3	11220.00	57.1 PK	74.0	-16.9	2.58 V	288	47.2	9.9
4	11220.00	46.9 AV	54.0	-7.1	2.58 V	288	37.0	9.9

Remarks:

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



RF Mode	802.11ax (HE80) 484-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	57.2 PK	68.2	-11.0	1.63 H	314	54.7	2.5
2	*5690.00	93.1 PK			1.63 H	314	51.7	41.4
3	*5690.00	82.1 AV			1.63 H	314	40.7	41.4
4	#5850.00	59.3 PK	68.2	-8.9	1.63 H	314	55.2	4.1
5	11380.00	57.5 PK	74.0	-16.5	2.04 H	359	47.4	10.1
6	11380.00	47.5 AV	54.0	-6.5	2.04 H	359	37.4	10.1

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	#5470.00	57.1 PK	68.2	-11.1	3.55 V	280	54.6	2.5
2	*5690.00	89.1 PK			3.55 V	280	47.7	41.4
3	*5690.00	79.8 AV			3.55 V	280	38.4	41.4
4	#5850.00	58.9 PK	68.2	-9.3	3.55 V	280	54.8	4.1
5	11380.00	57.3 PK	74.0	-16.7	2.58 V	286	47.2	10.1
6	11380.00	47.3 AV	54.0	-6.7	2.58 V	286	37.2	10.1

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) 484-tone RU	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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.80	56.7 PK	68.2	-11.5	1.54 H	312	53.1	3.6
2	*5775.00	93.0 PK			1.54 H	312	51.2	41.8
3	*5775.00	81.9 AV			1.54 H	312	40.1	41.8
4	#5983.20	59.2 PK	68.2	-9.0	1.54 H	312	54.9	4.3
5	11550.00	57.3 PK	74.0	-16.7	2.05 H	355	47.3	10.0
6	11550.00	47.2 AV	54.0	-6.8	2.05 H	355	37.2	10.0

Antenna Polarity & Test Distance : Vertical at 3 m

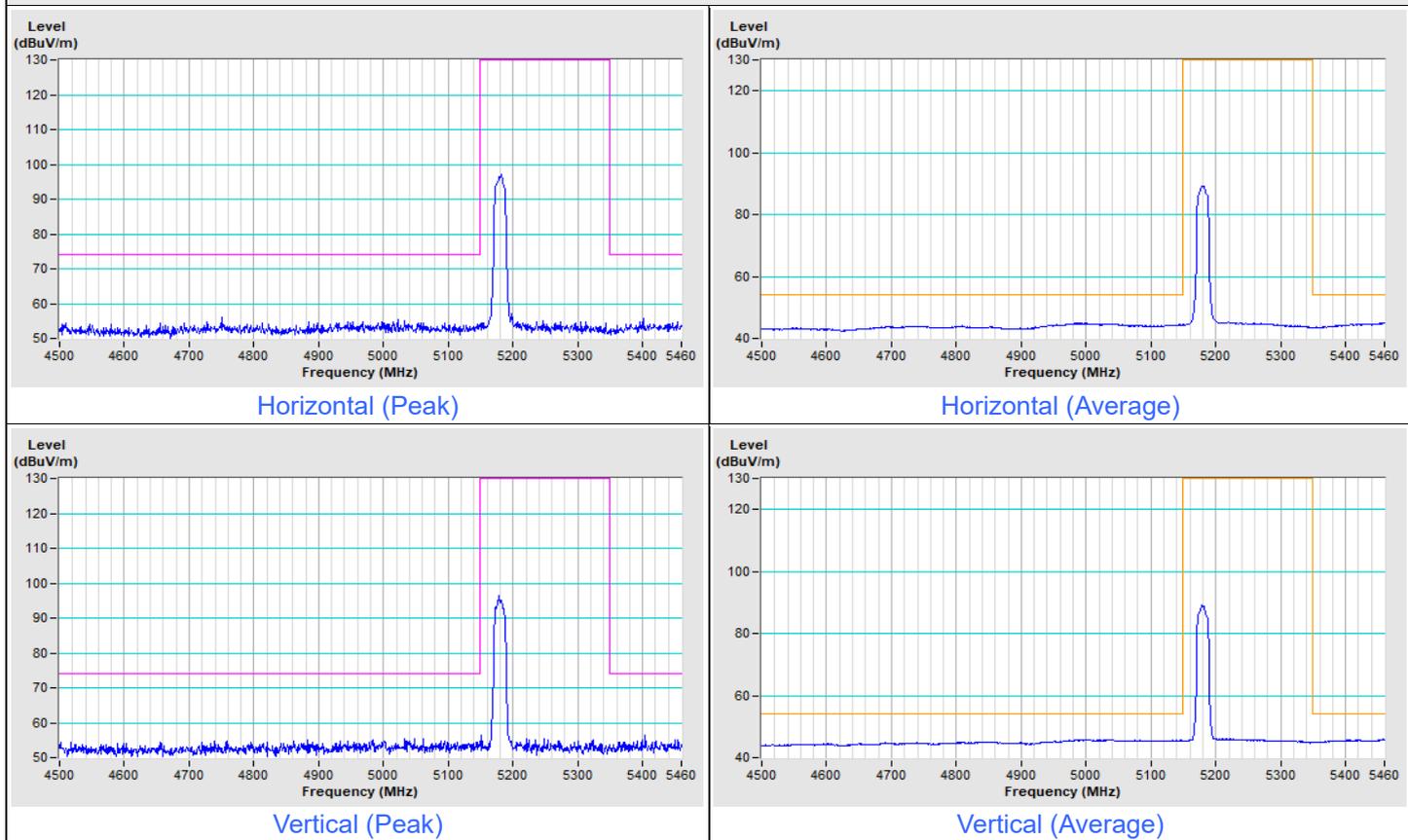
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.00	57.6 PK	68.2	-10.6	3.56 V	280	54.0	3.6
2	*5775.00	91.1 PK			3.56 V	280	49.3	41.8
3	*5775.00	80.4 AV			3.56 V	280	38.6	41.8
4	#5928.00	58.8 PK	68.2	-9.4	3.56 V	280	54.6	4.2
5	11550.00	57.1 PK	74.0	-16.9	2.54 V	288	47.1	10.0
6	11550.00	47.0 AV	54.0	-7.0	2.54 V	288	37.0	10.0

Remarks:

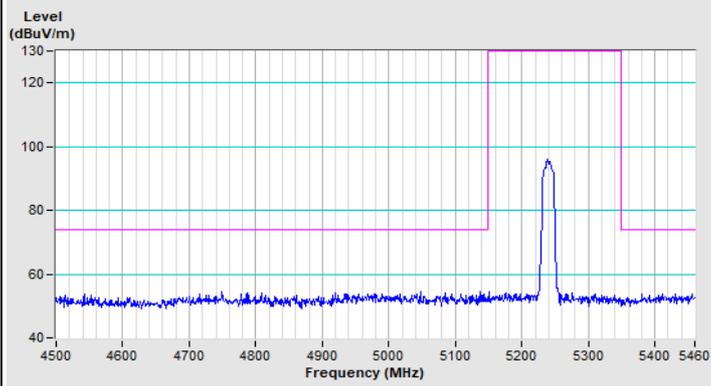
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

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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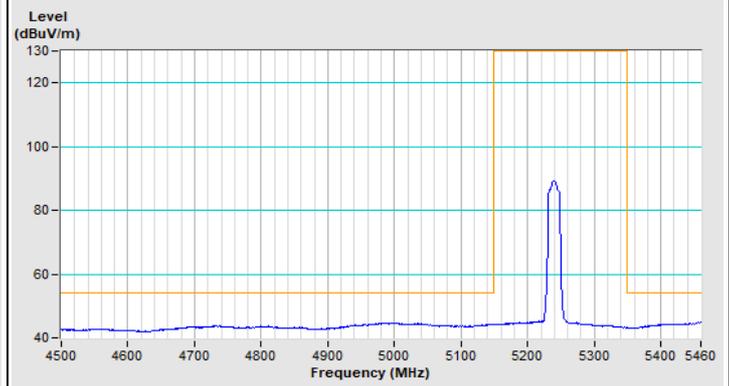
802.11a Channel 36



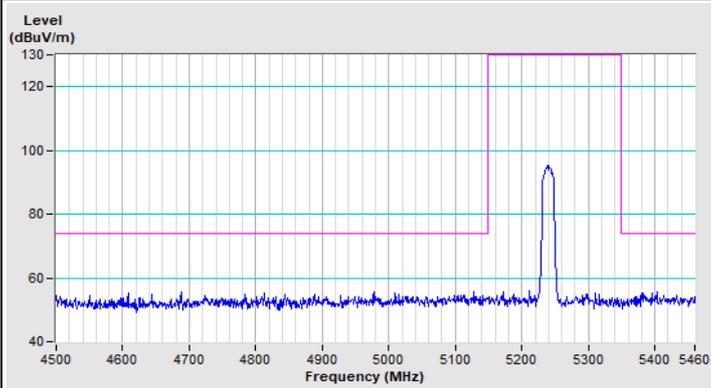
802.11a Channel 48



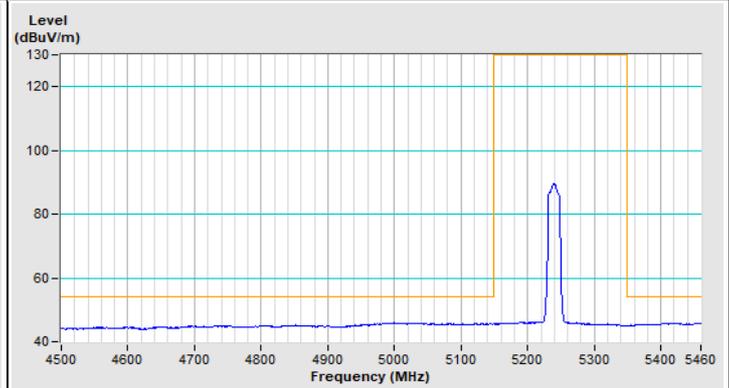
Horizontal (Peak)



Horizontal (Average)



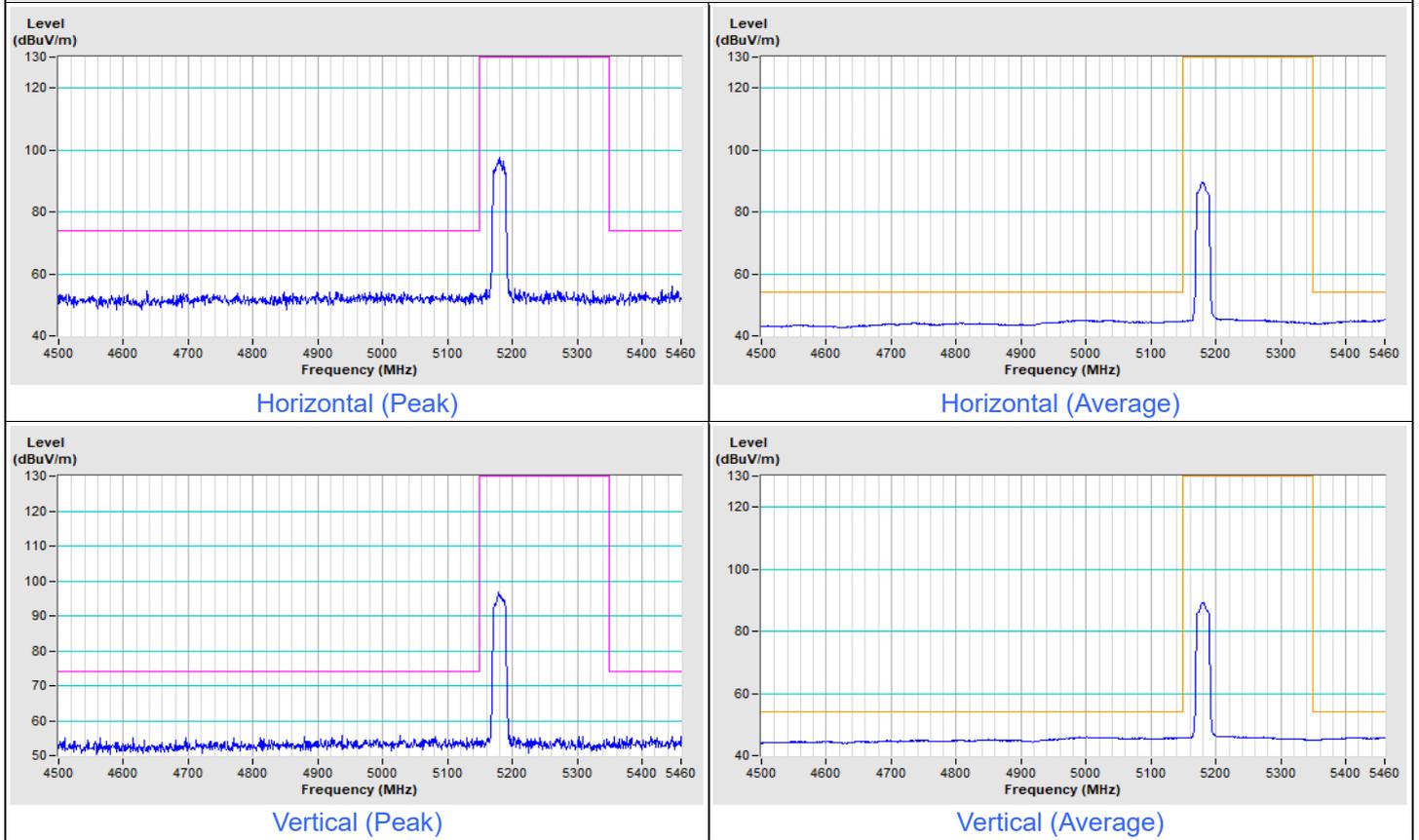
Vertical (Peak)



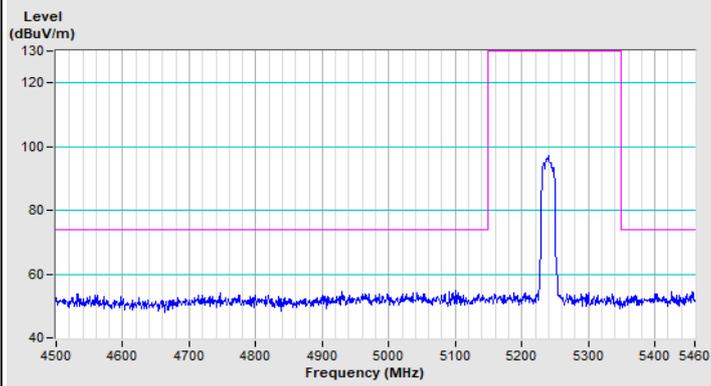
Vertical (Average)

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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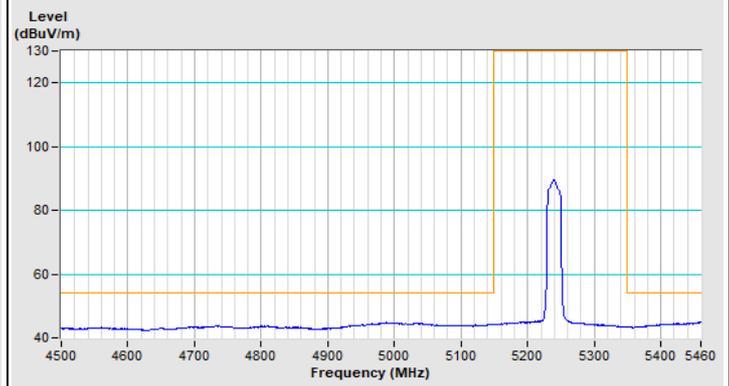
802.11ax (HE20) Full RU Channel 36



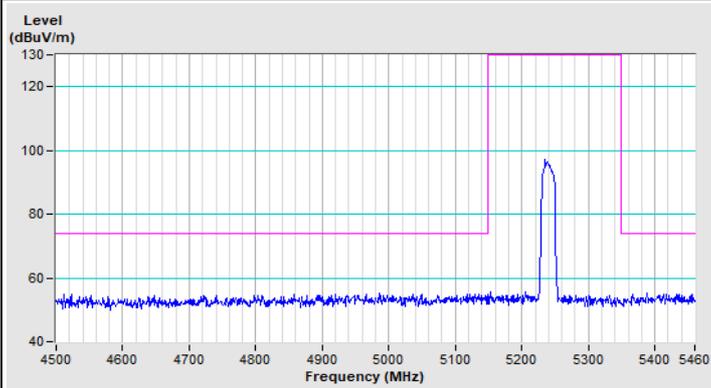
802.11ax (HE20) Full RU Channel 48



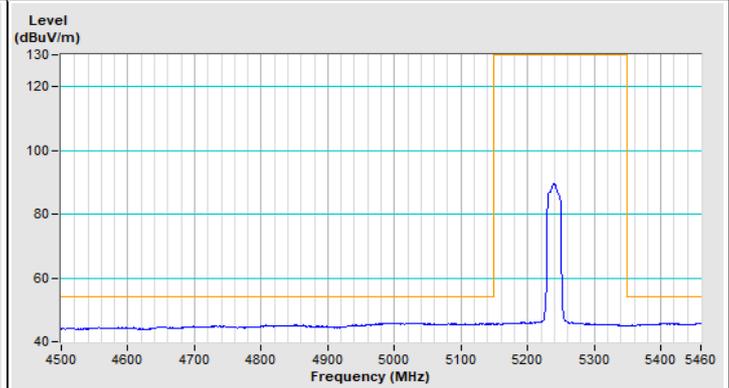
Horizontal (Peak)



Horizontal (Average)



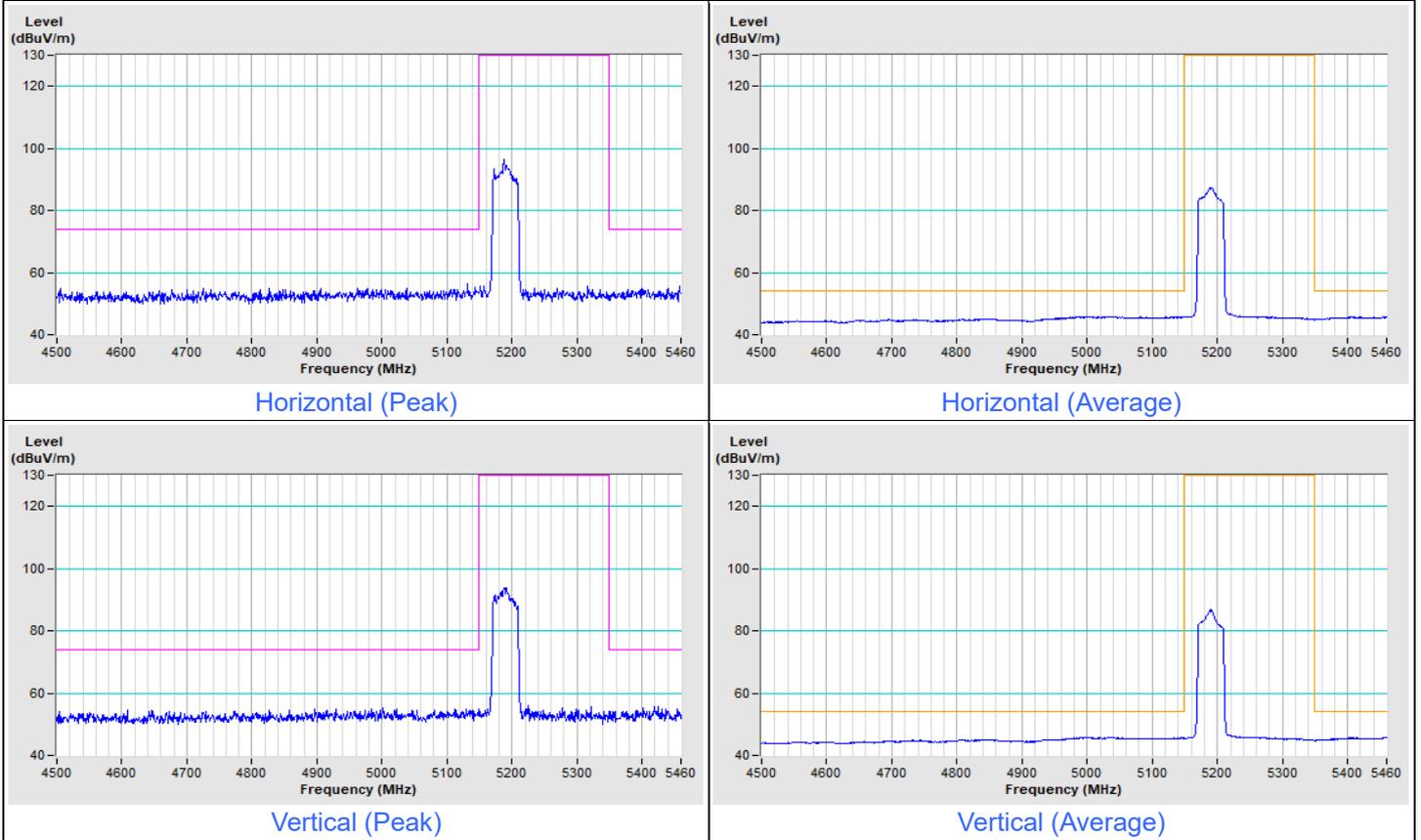
Vertical (Peak)



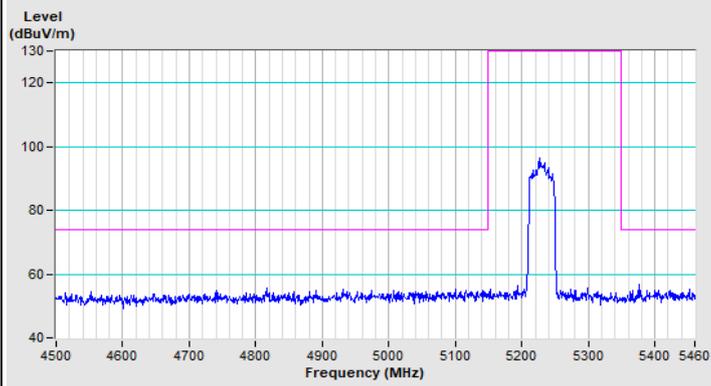
Vertical (Average)

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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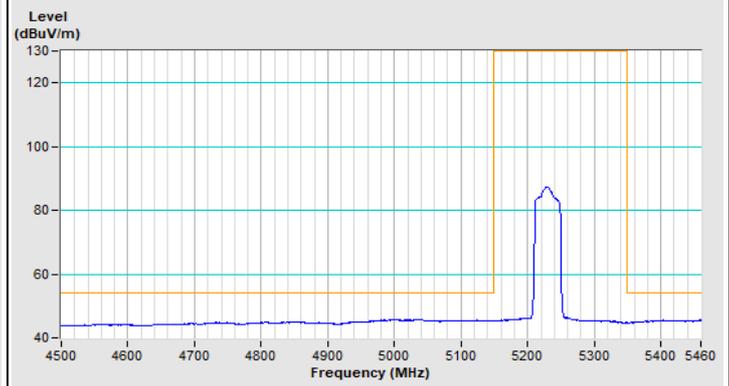
802.11ax (HE40) Full RU Channel 38



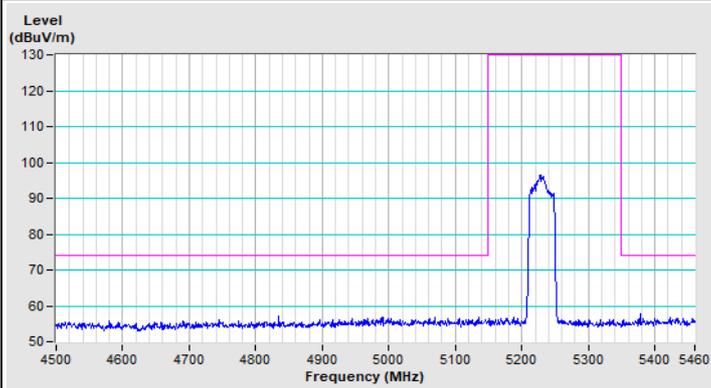
802.11ax (HE40) Full RU Channel 46



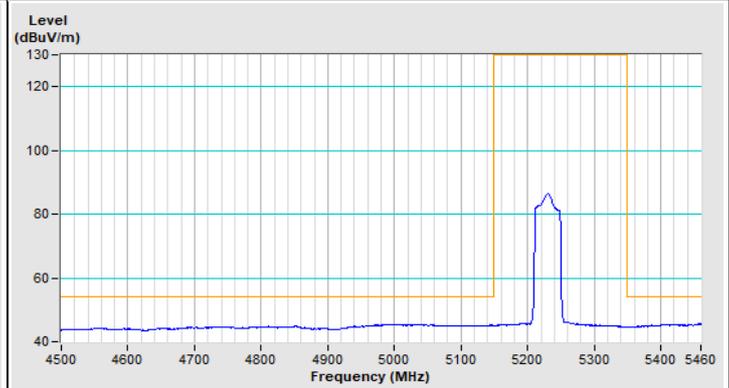
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

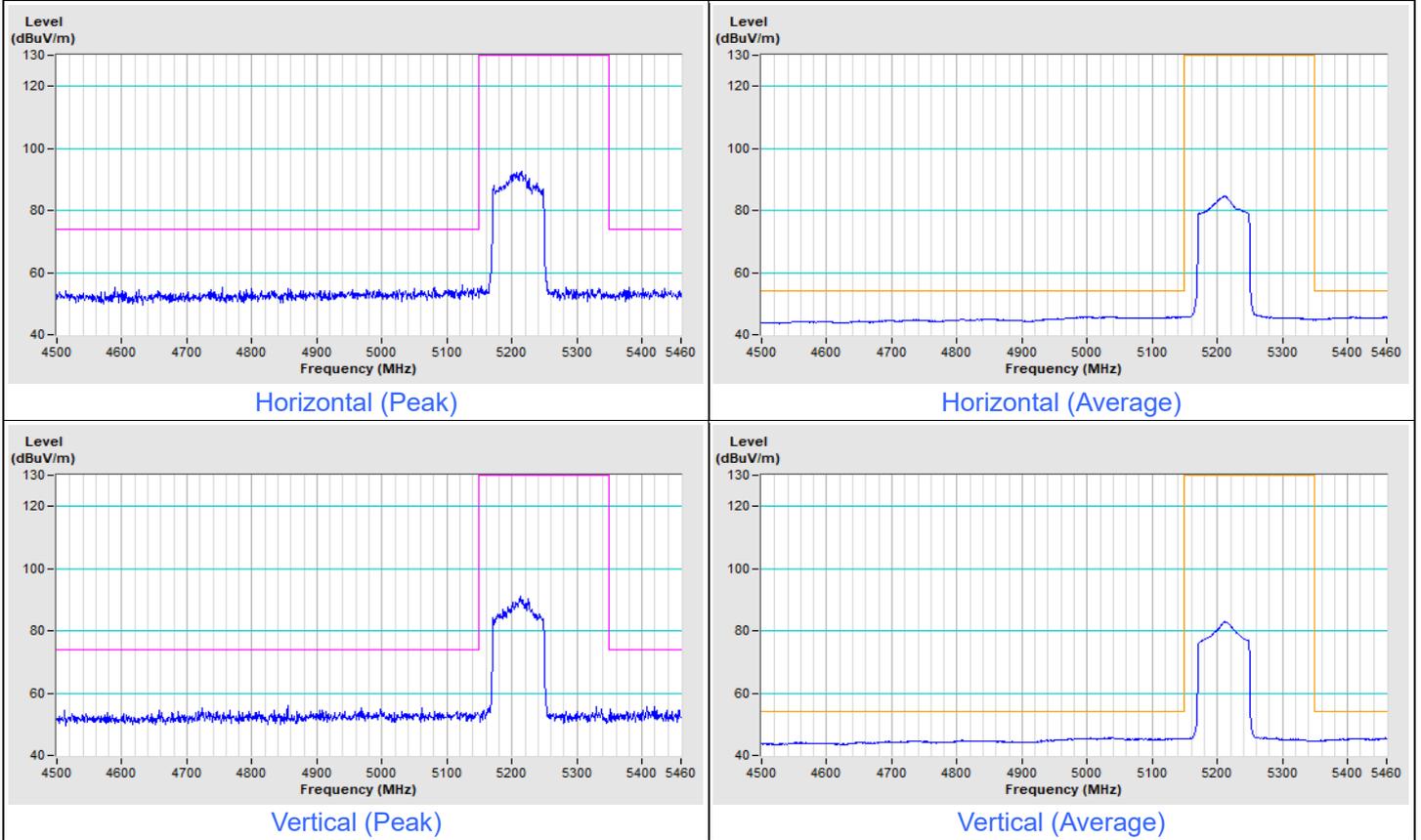


Vertical (Average)



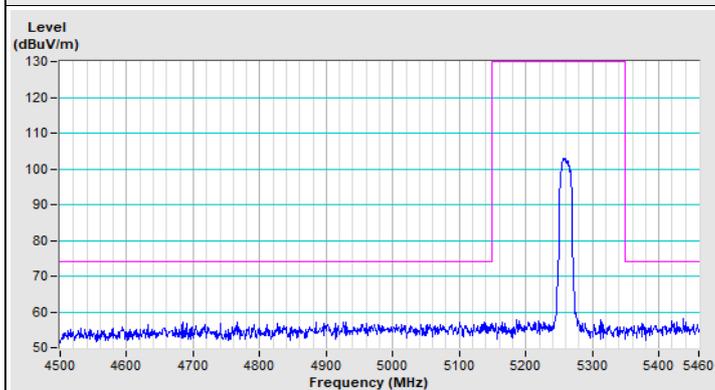
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 42

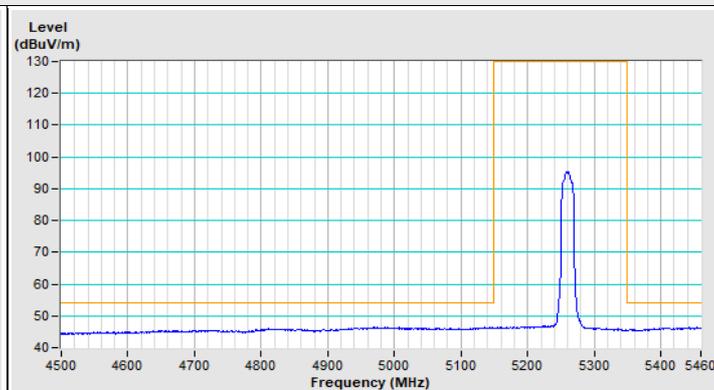


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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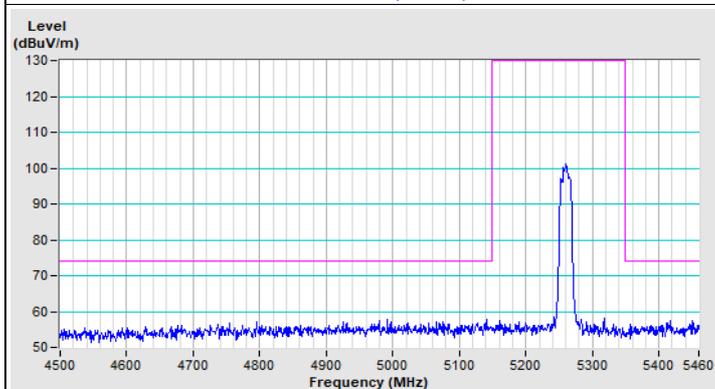
802.11a Channel 52



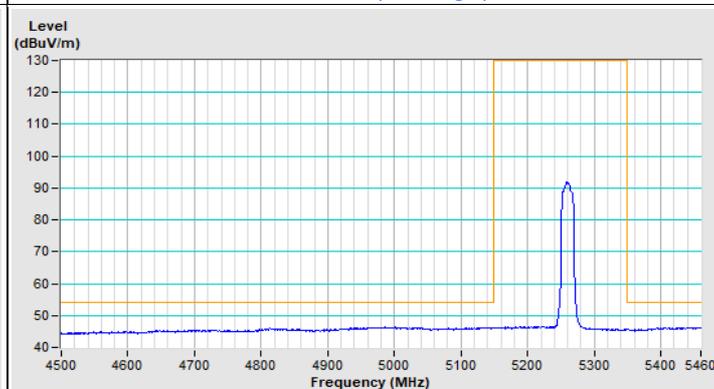
Horizontal (Peak)



Horizontal (Average)

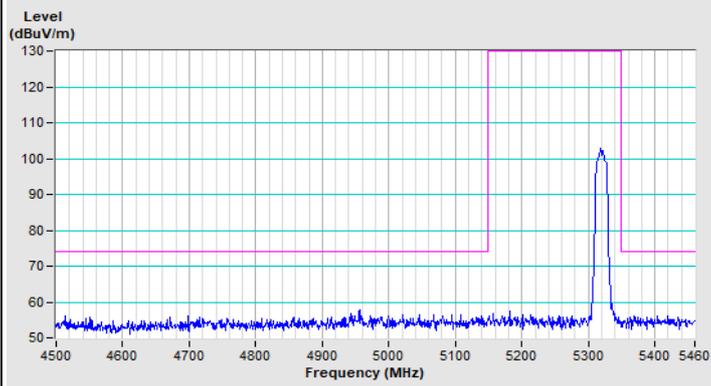


Vertical (Peak)

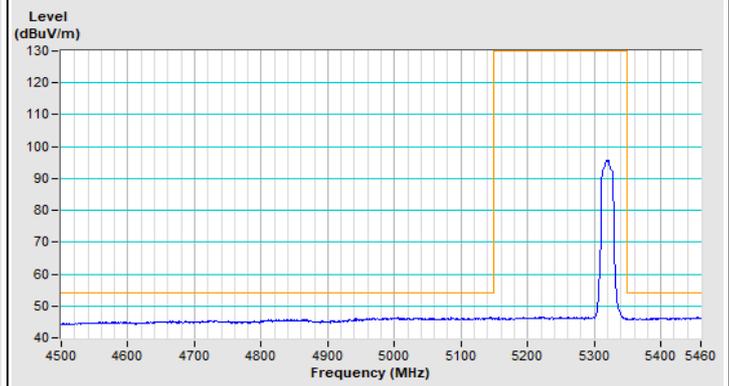


Vertical (Average)

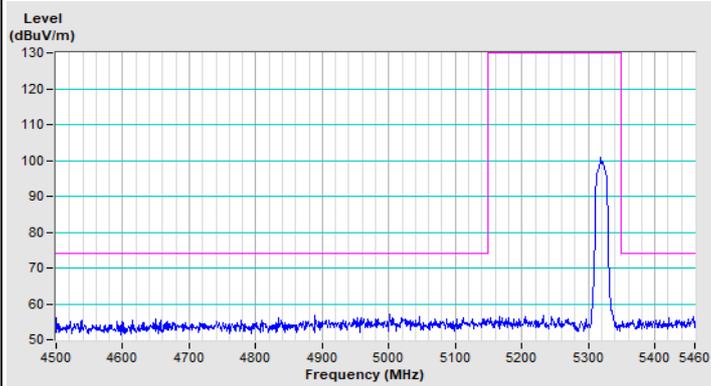
802.11a Channel 64



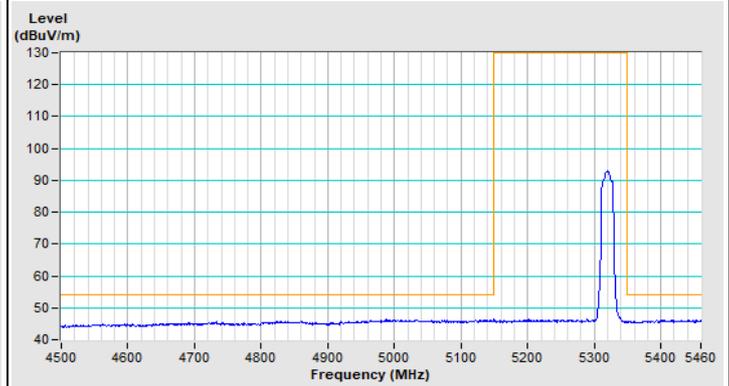
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

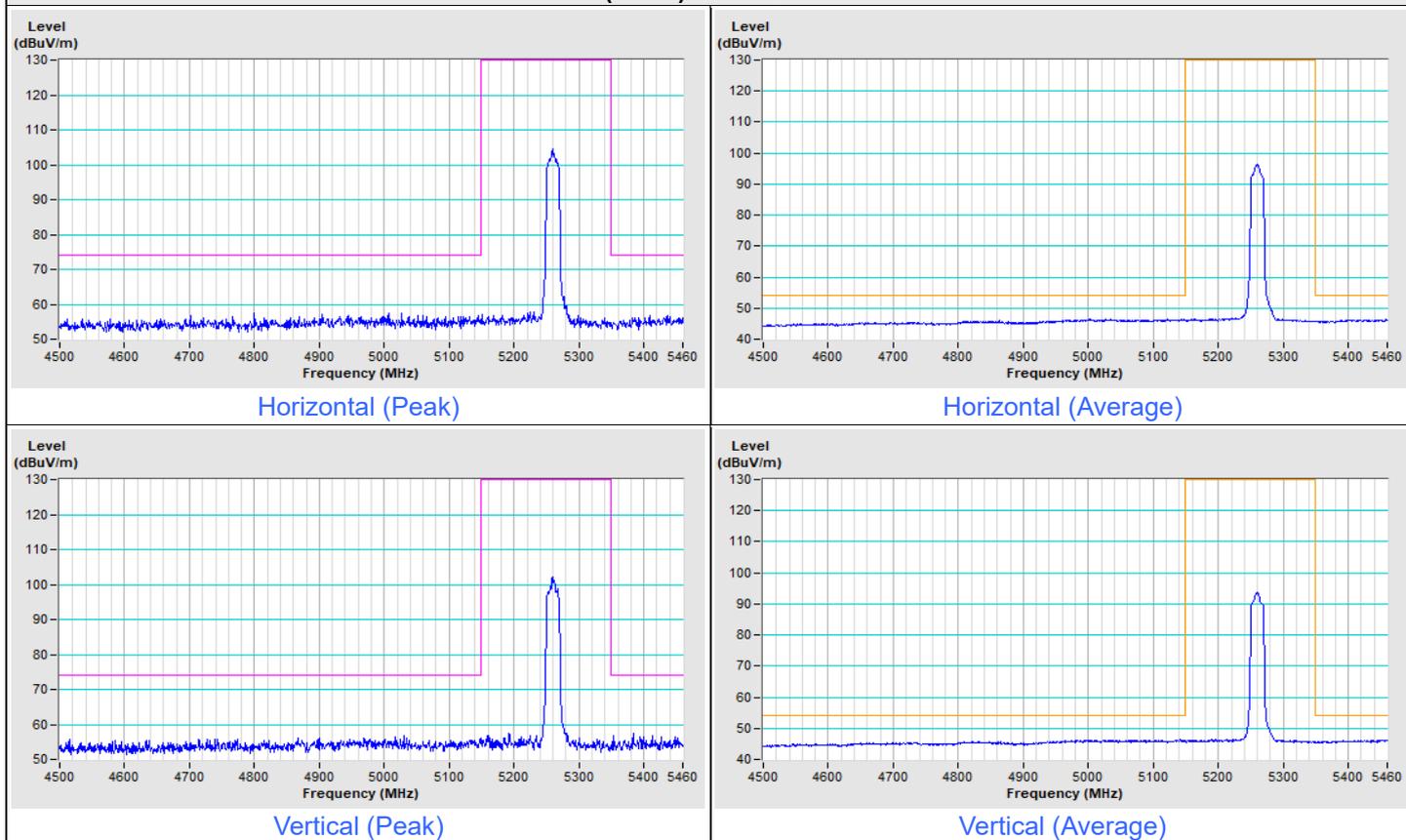


Vertical (Average)

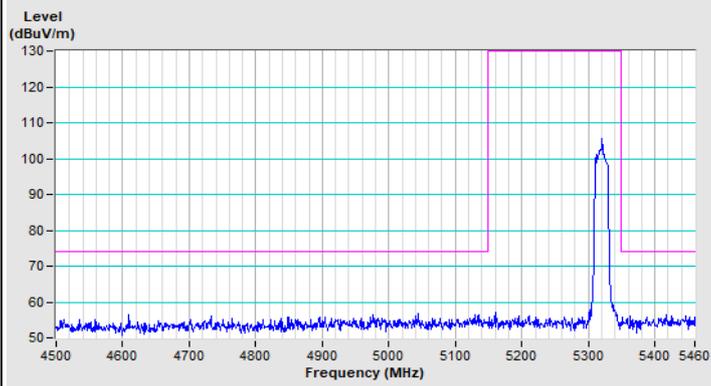


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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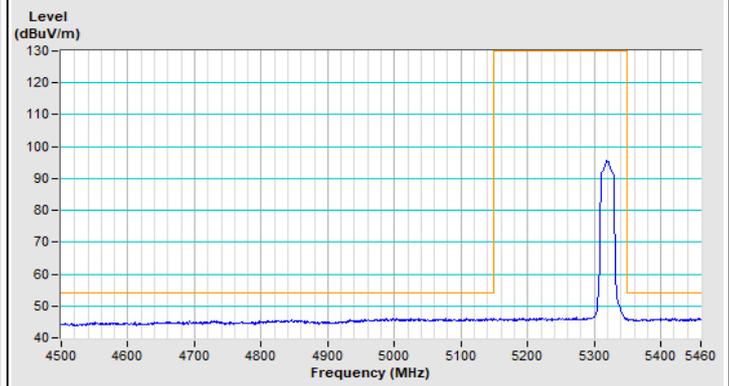
802.11ax (HE20) Full RU Channel 52



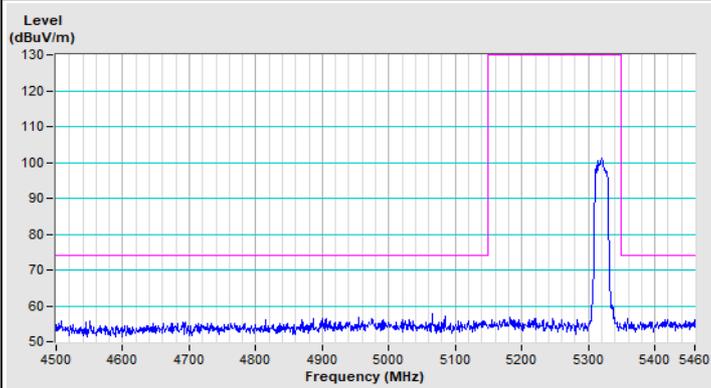
802.11ax (HE20) Full RU Channel 64



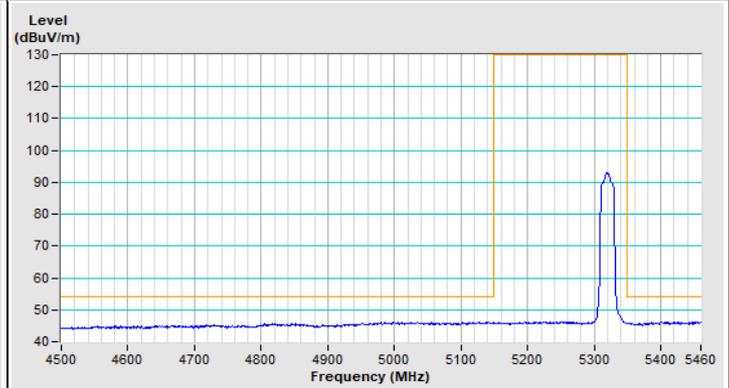
Horizontal (Peak)



Horizontal (Average)



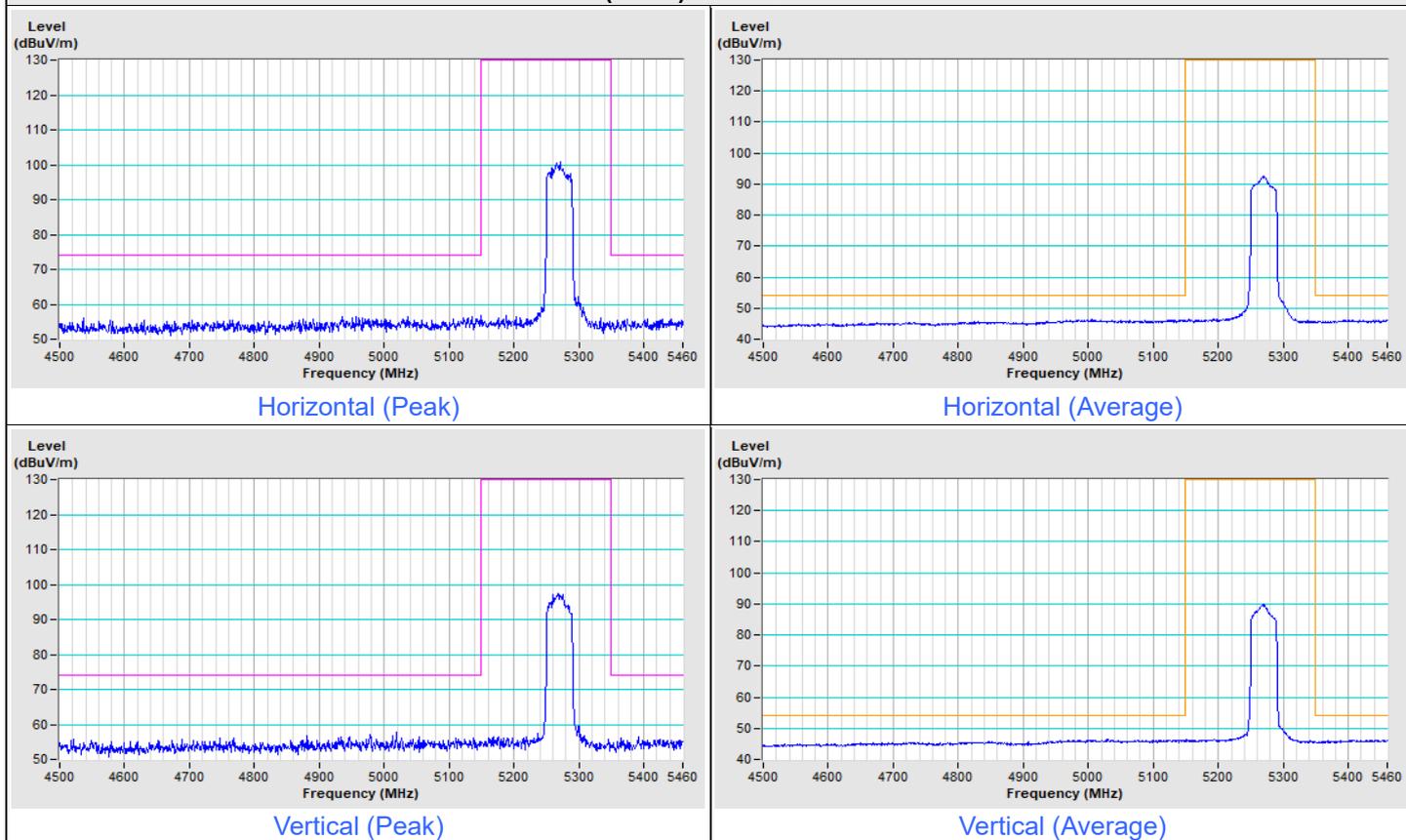
Vertical (Peak)



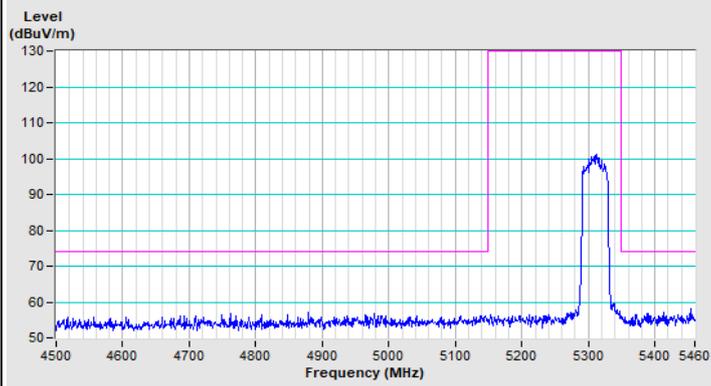
Vertical (Average)

Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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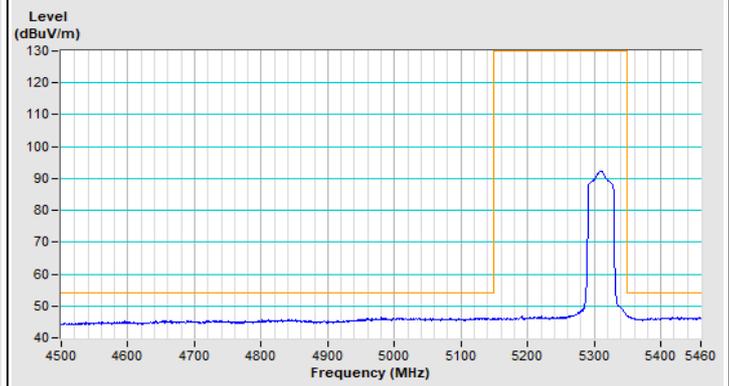
802.11ax (HE40) Full RU Channel 54



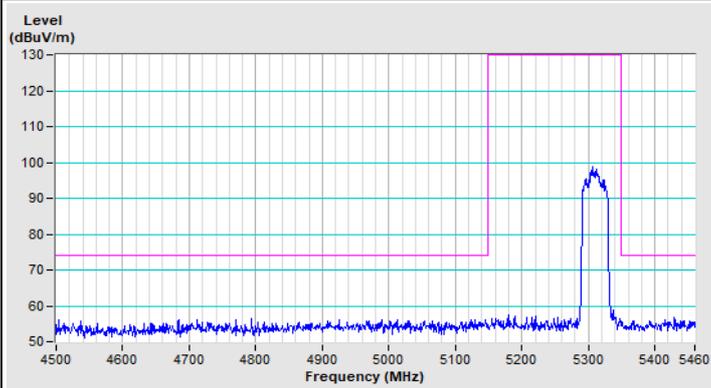
802.11ax (HE40) Full RU Channel 62



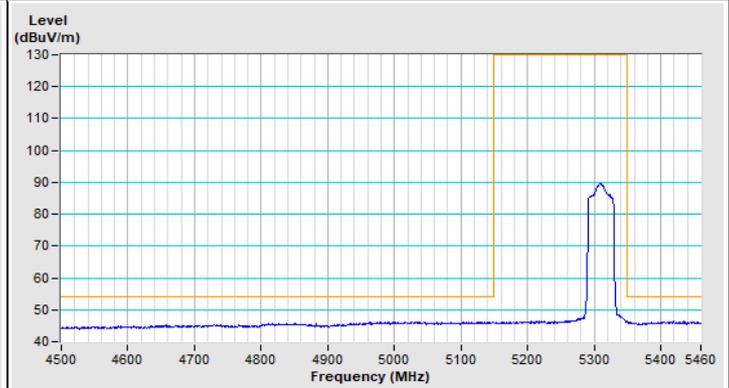
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

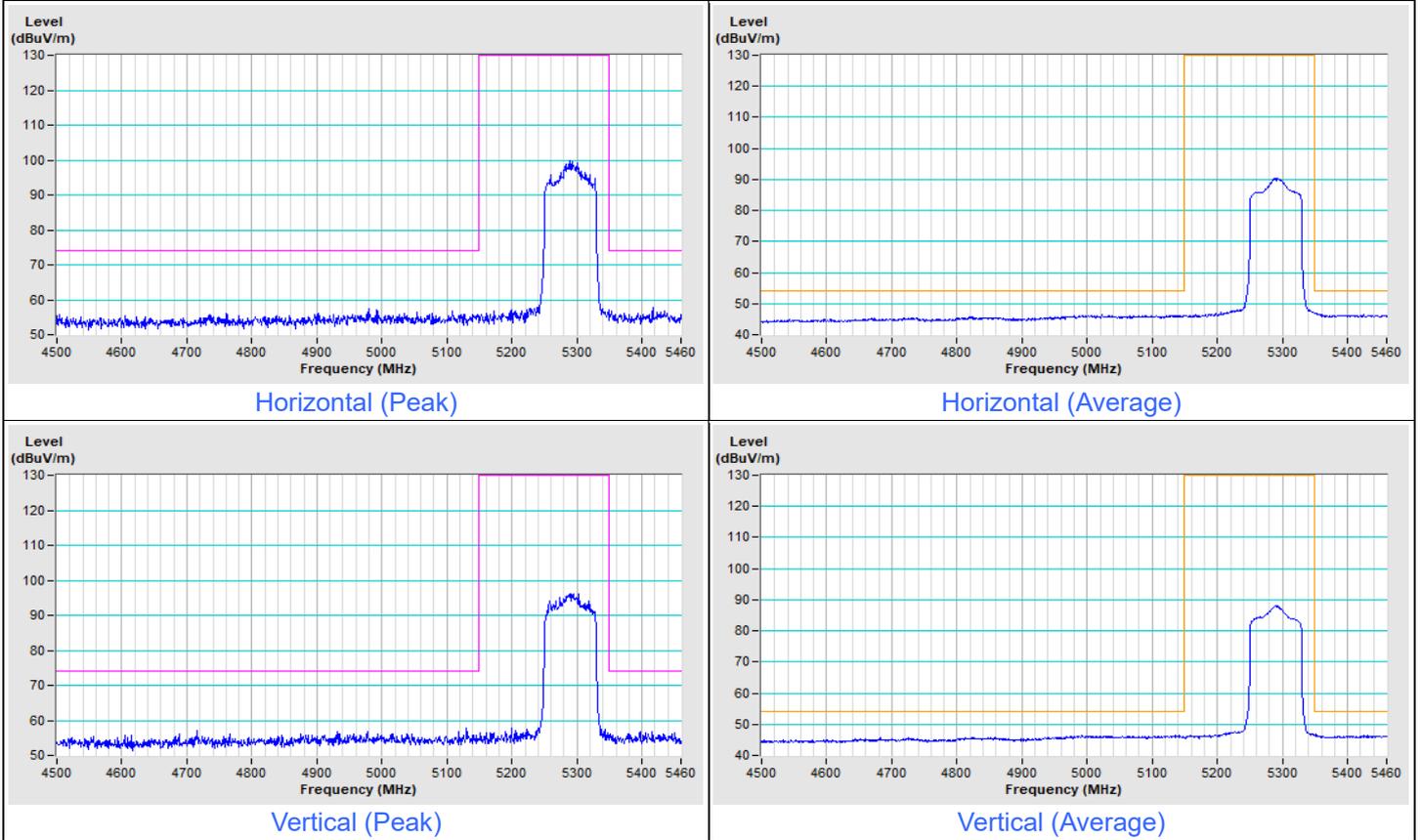


Vertical (Average)



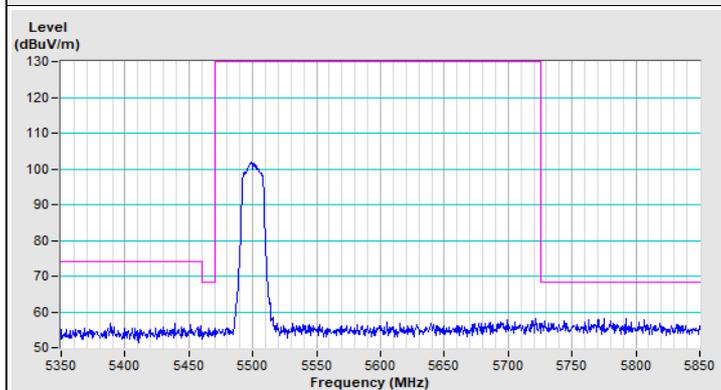
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 58

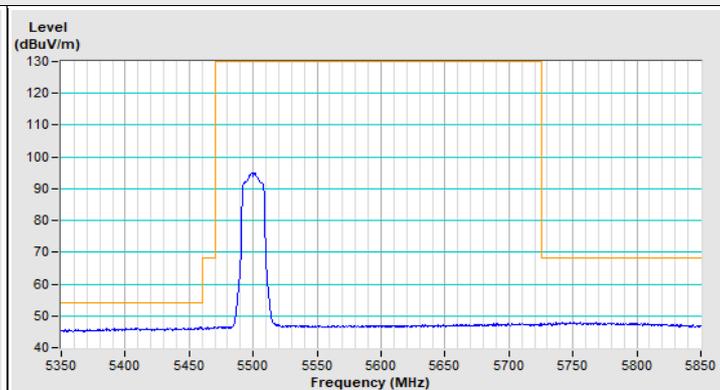


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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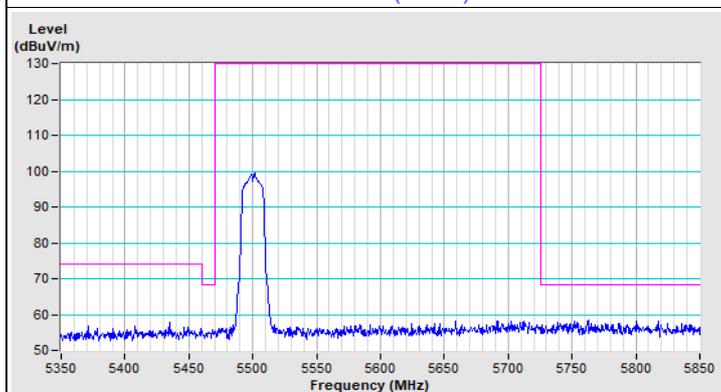
802.11a Channel 100



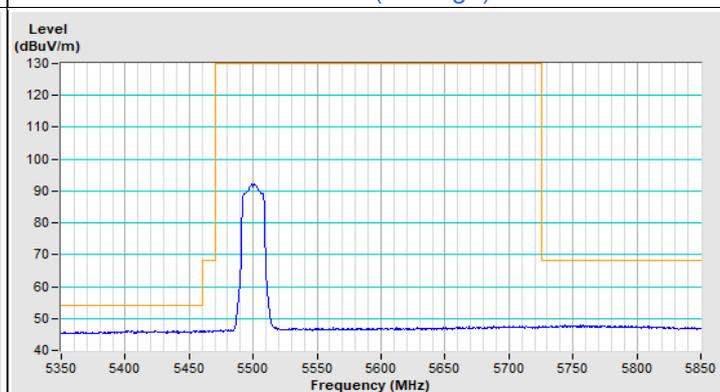
Horizontal (Peak)



Horizontal (Average)

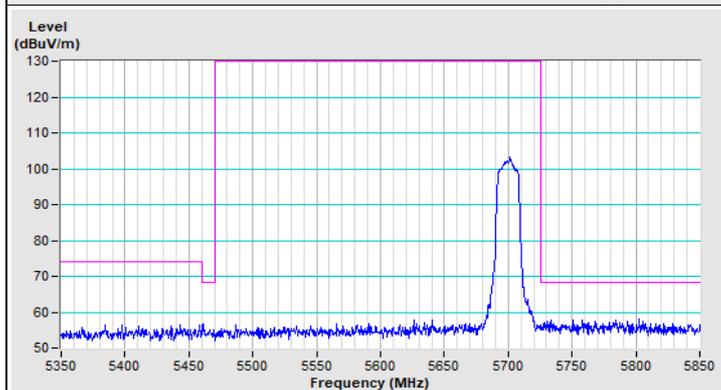


Vertical (Peak)

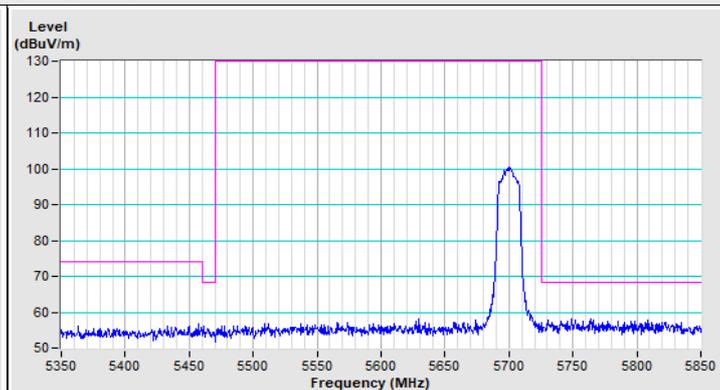


Vertical (Average)

802.11a Channel 140



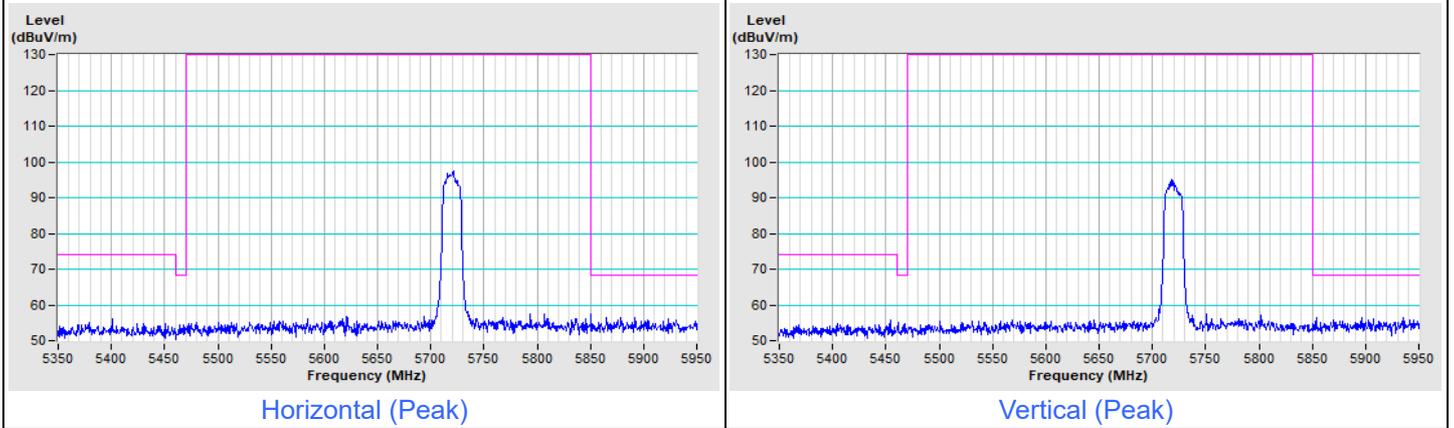
Horizontal (Peak)



Vertical (Peak)

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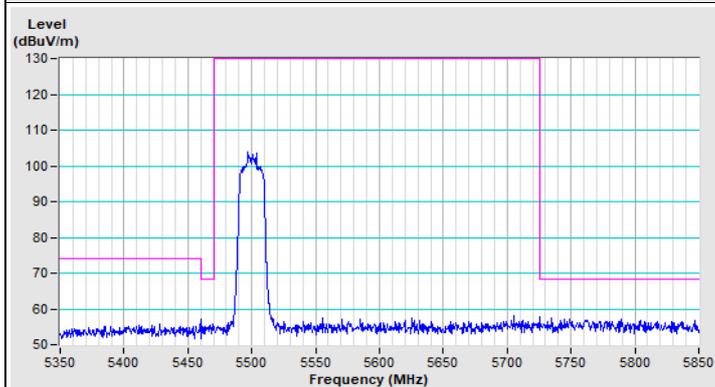
802.11a Channel 144



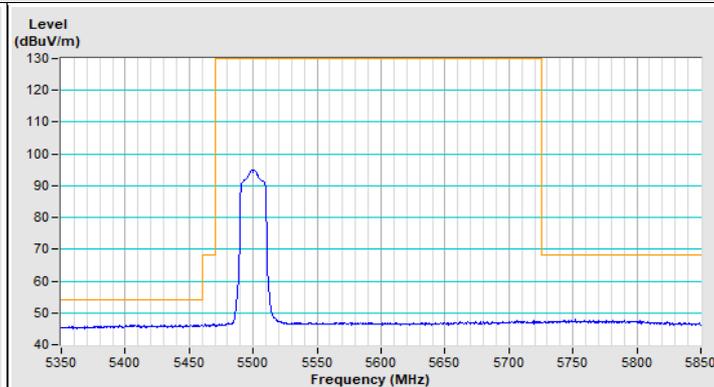


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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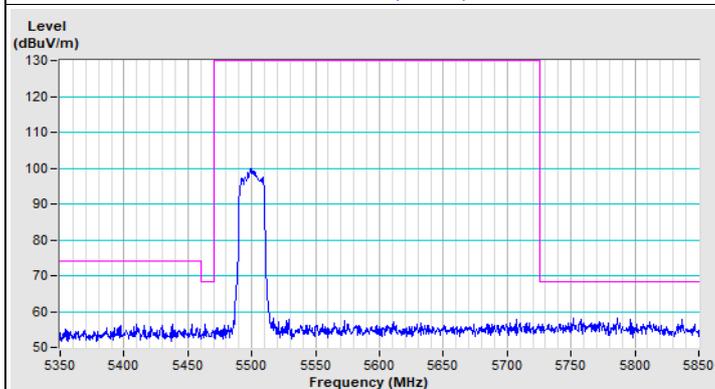
802.11ax (HE20) Full RU Channel 100



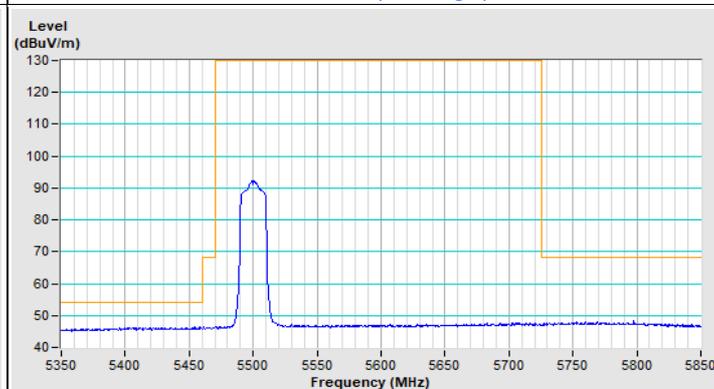
Horizontal (Peak)



Horizontal (Average)

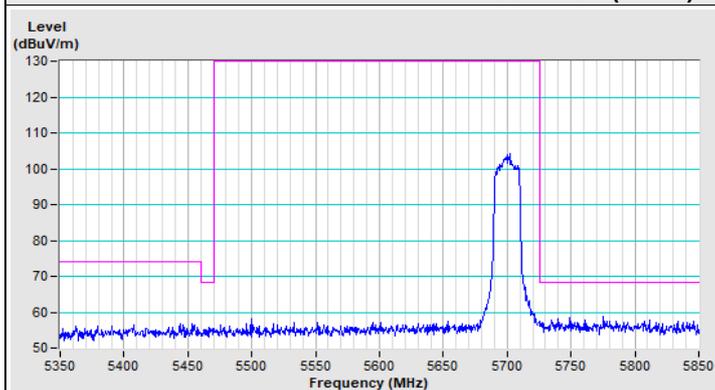


Vertical (Peak)

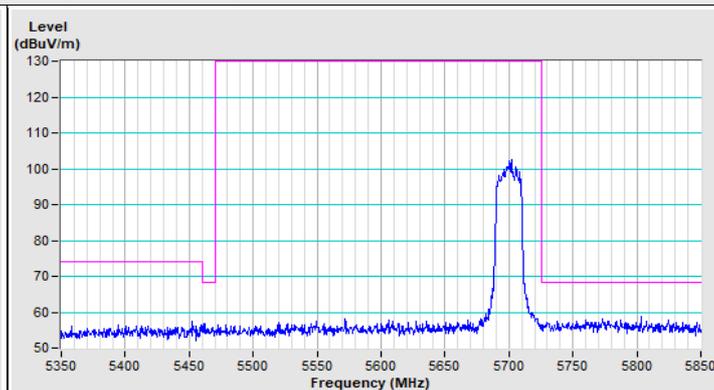


Vertical (Average)

802.11ax (HE20) Full RU Channel 140



Horizontal (Peak)

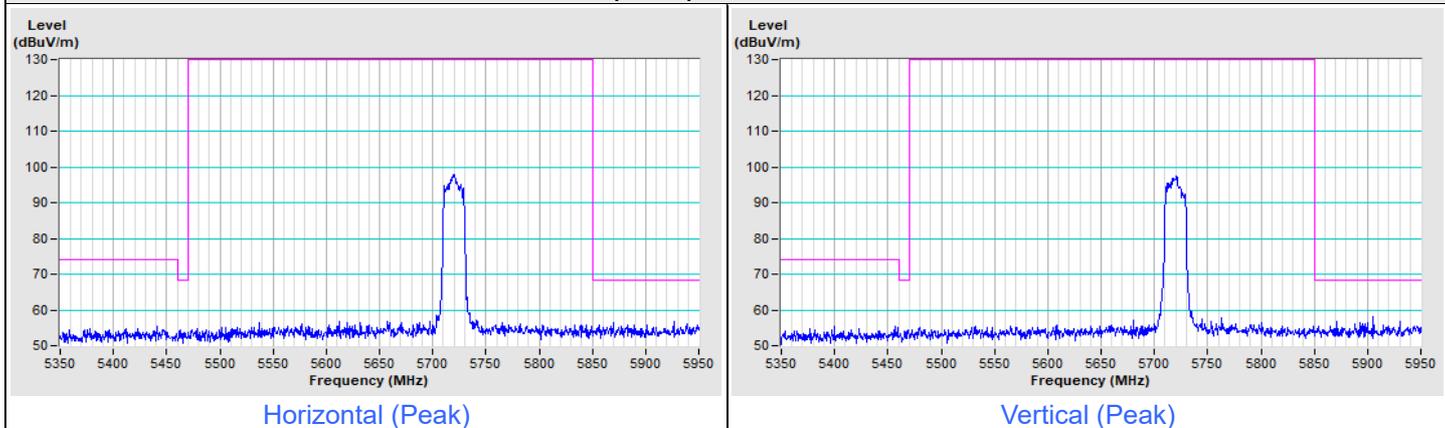


Vertical (Peak)



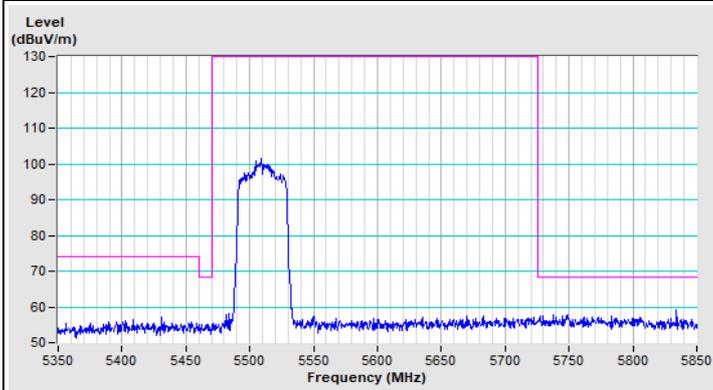
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Full RU Channel 144

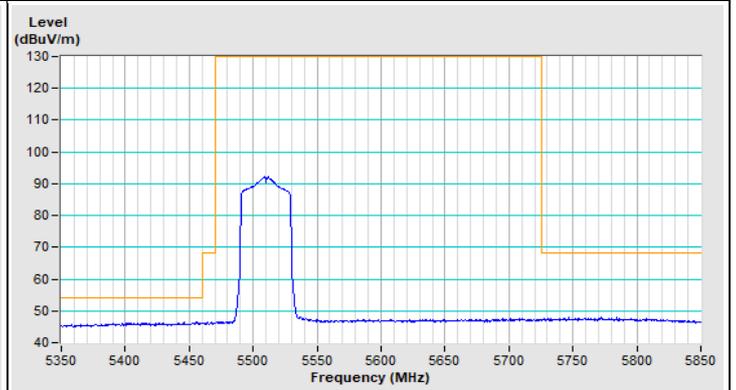


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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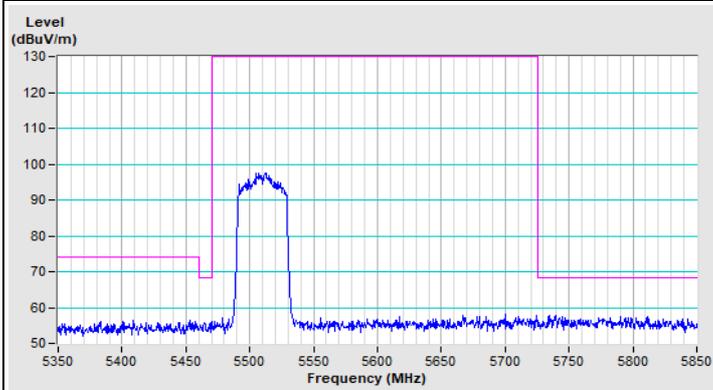
802.11ax (HE40) Full RU Channel 102



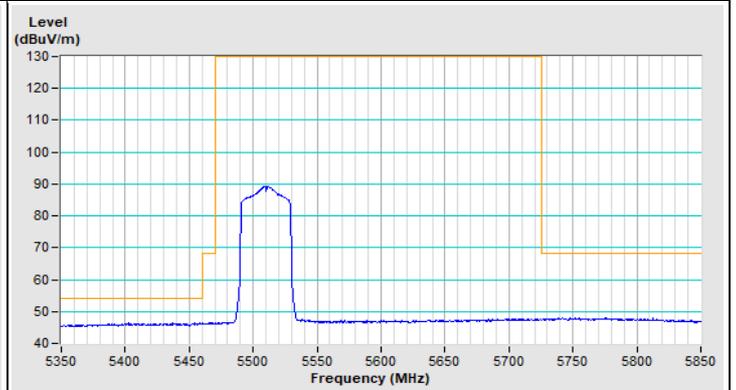
Horizontal (Peak)



Horizontal (Average)

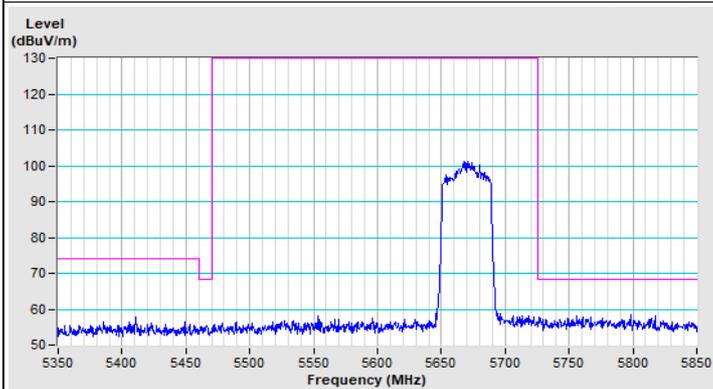


Vertical (Peak)

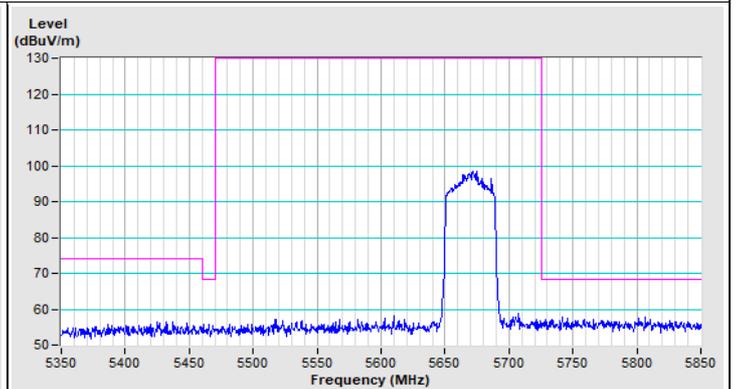


Vertical (Average)

802.11ax (HE40) Full RU Channel 134



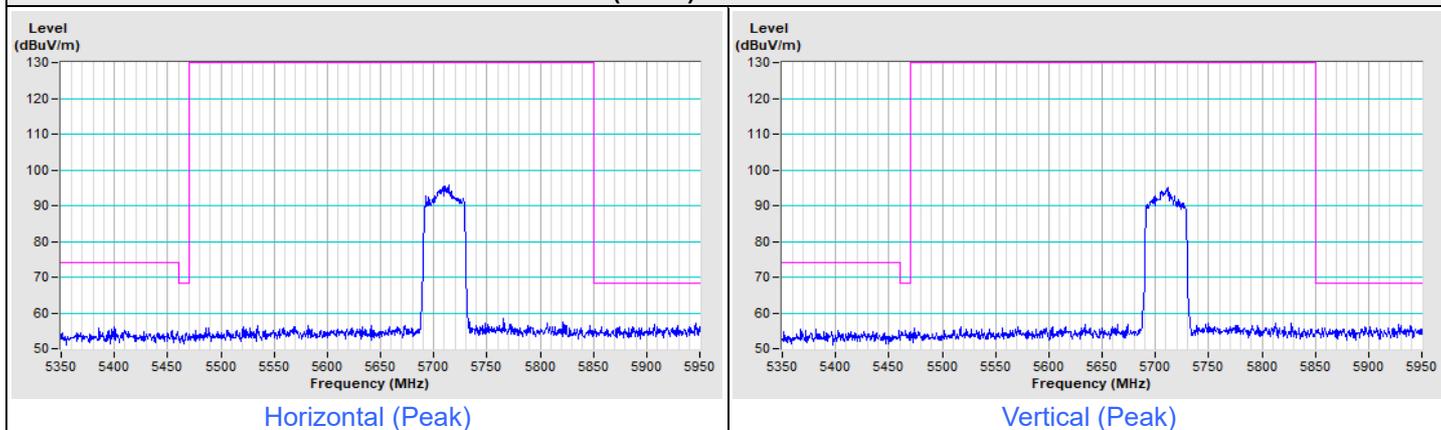
Horizontal (Peak)



Vertical (Peak)

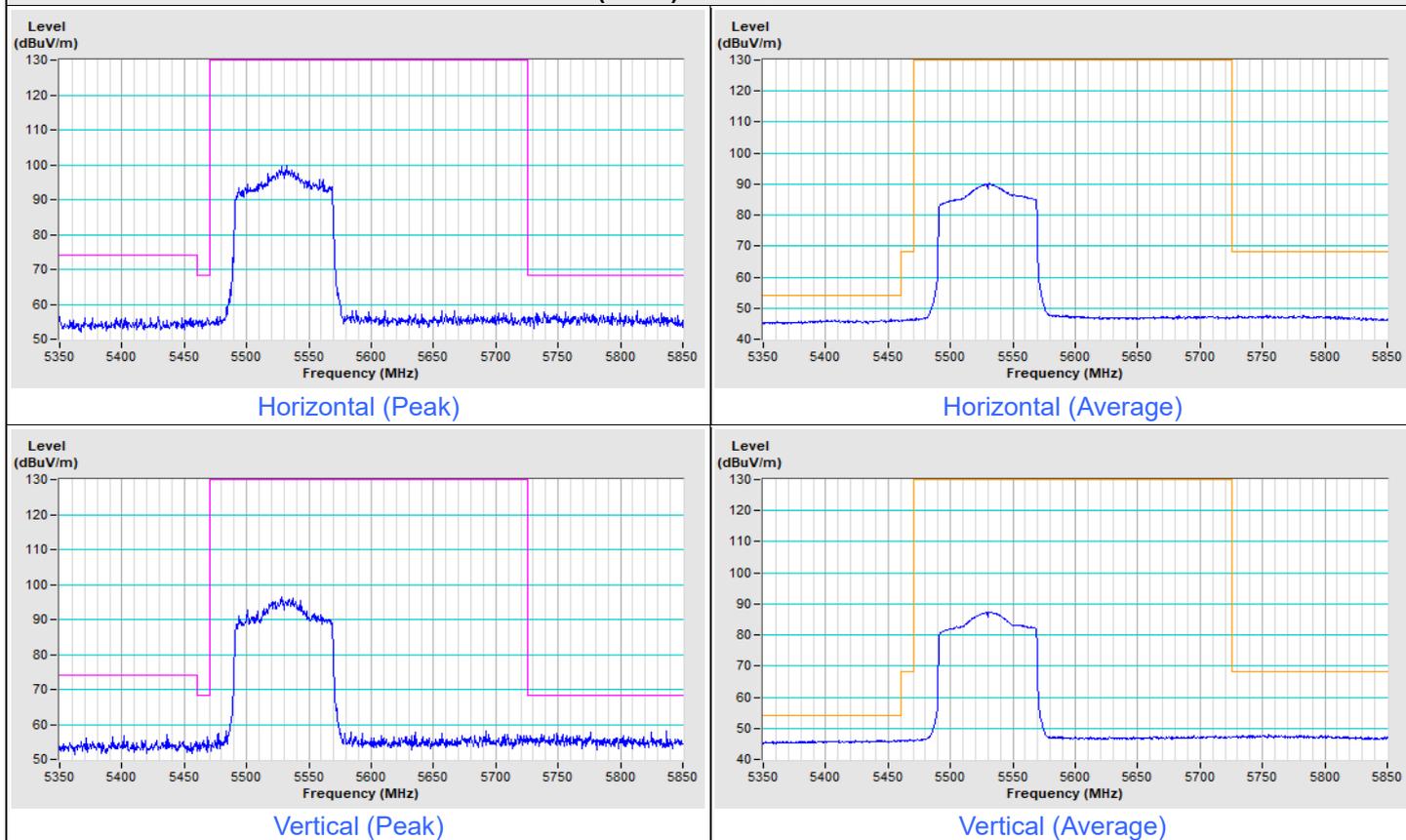
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE40) Full RU Channel 142

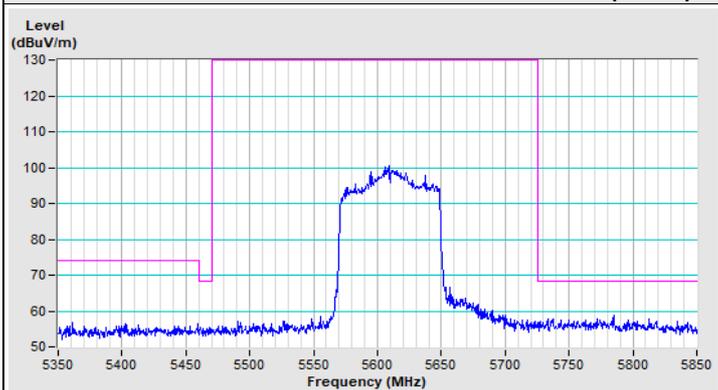


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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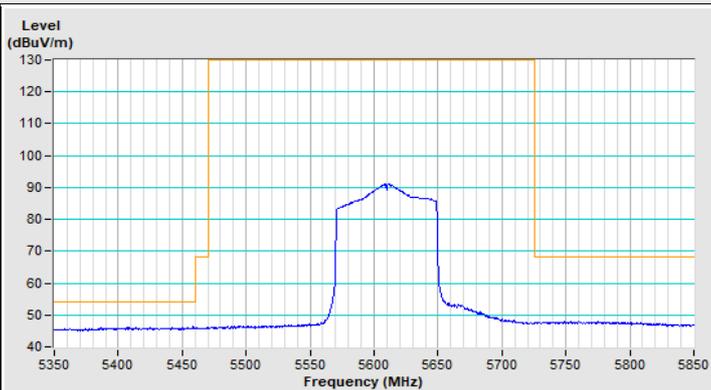
802.11ax (HE80) Full RU Channel 106



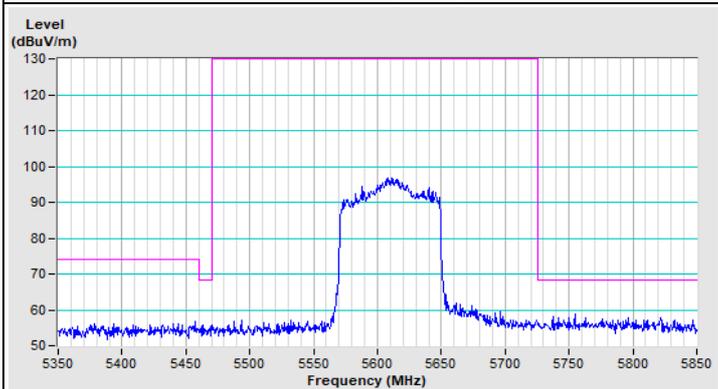
802.11ax (HE80) Full RU Channel 122



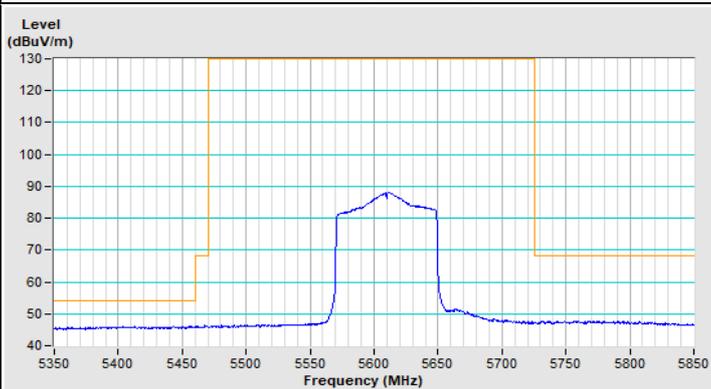
Horizontal (Peak)



Horizontal (Average)



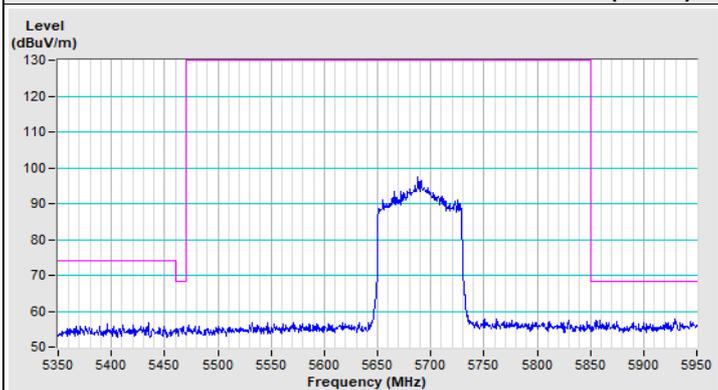
Vertical (Peak)



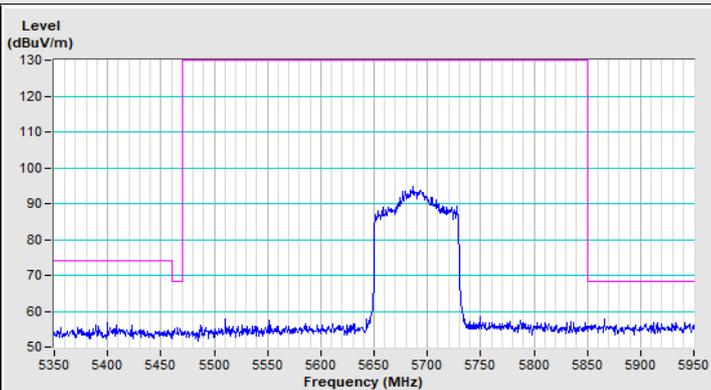
Vertical (Average)

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



Horizontal (Peak)

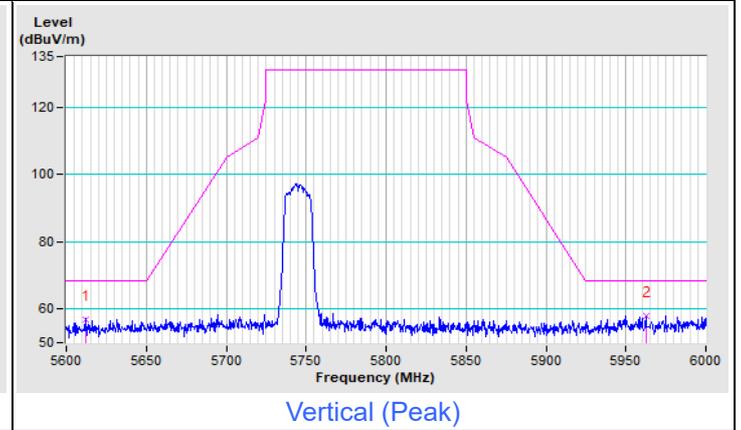
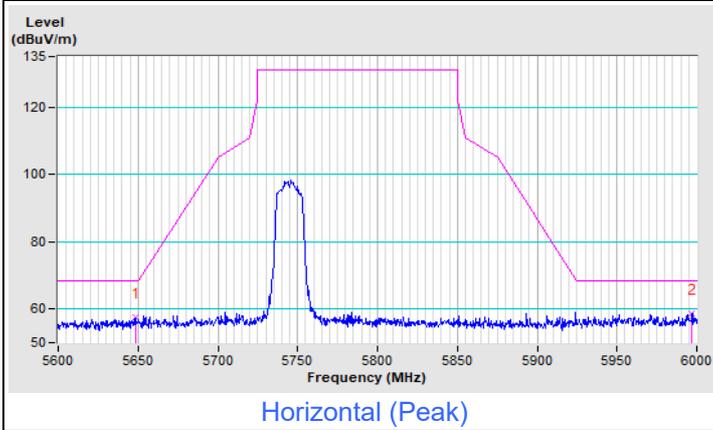


Vertical (Peak)

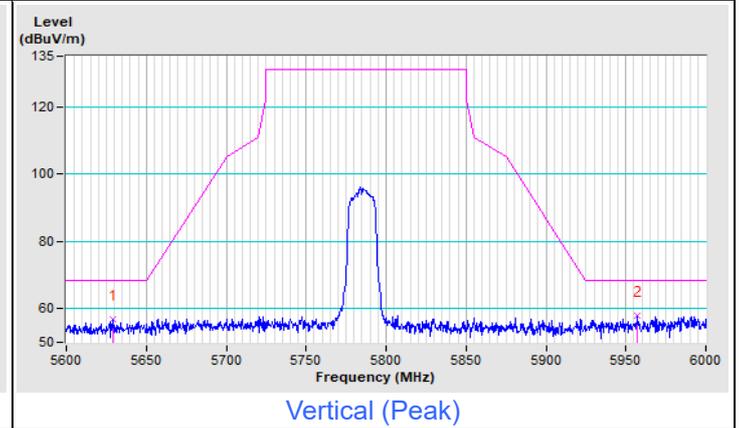
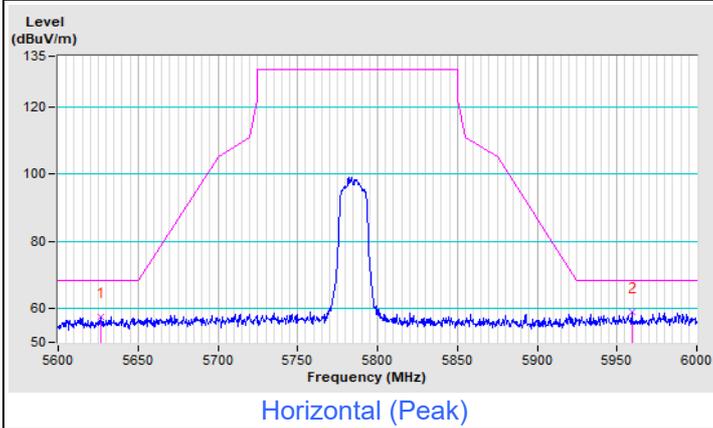


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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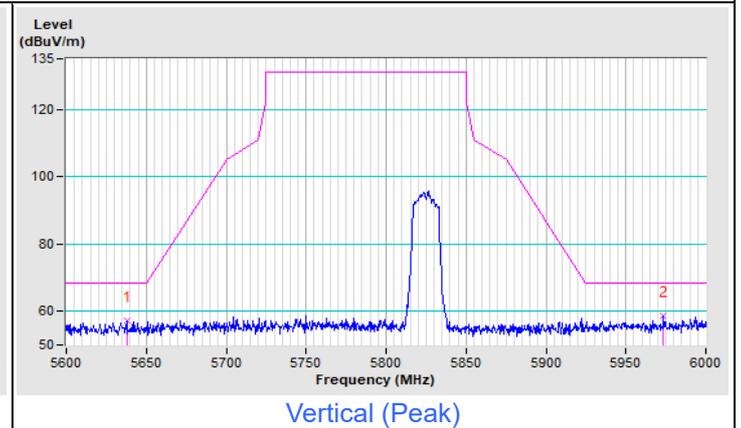
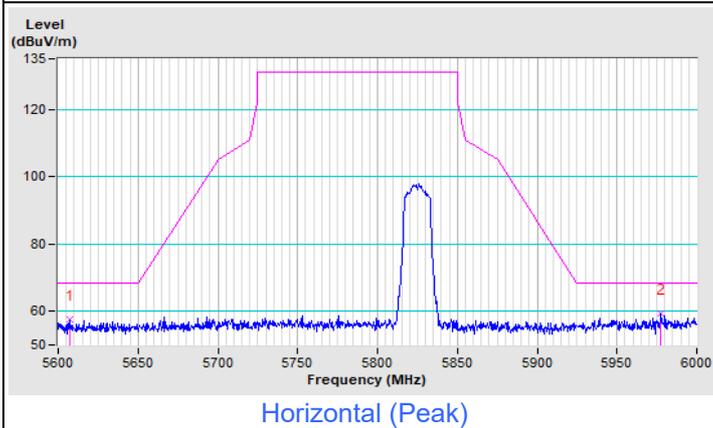
802.11a Channel 149



802.11a Channel 157



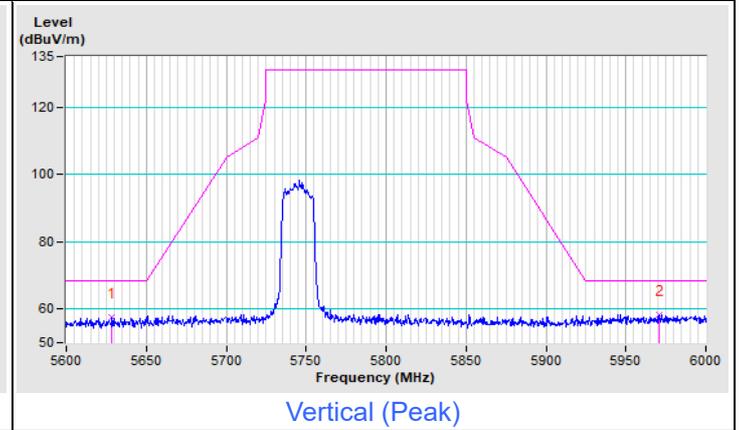
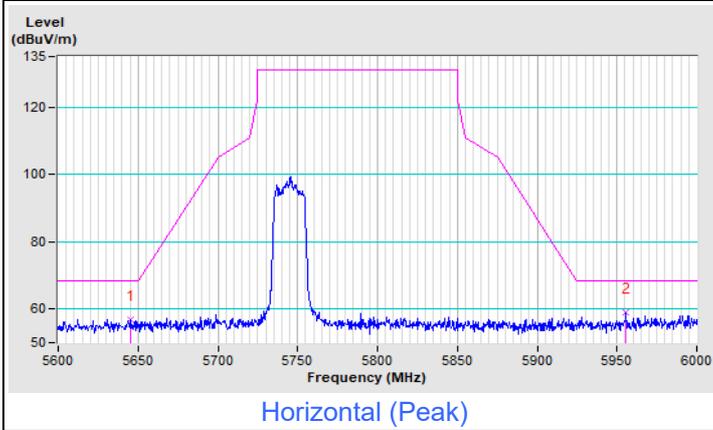
802.11a Channel 165



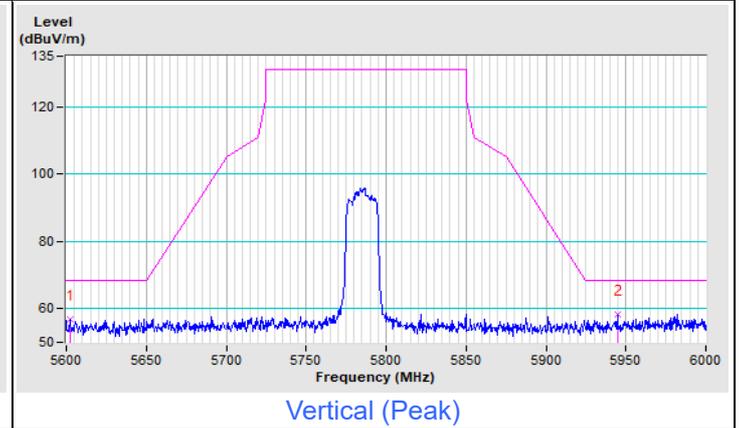
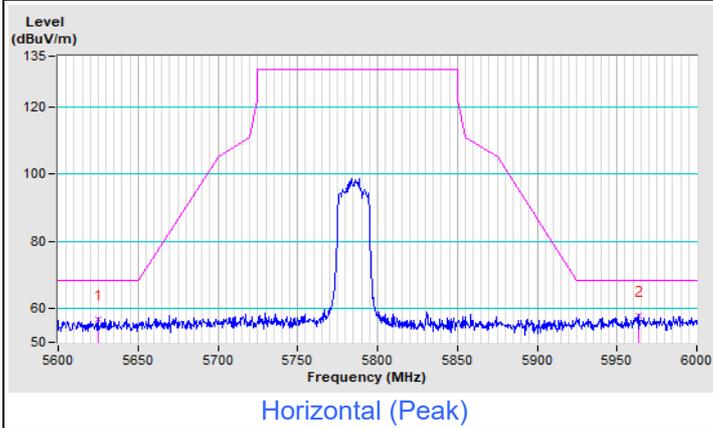


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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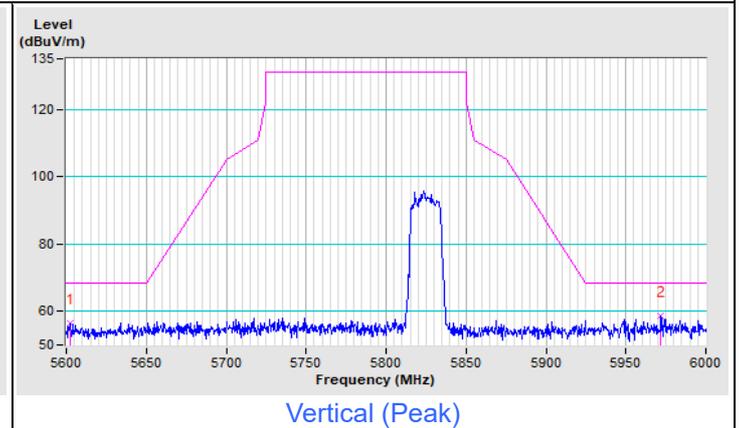
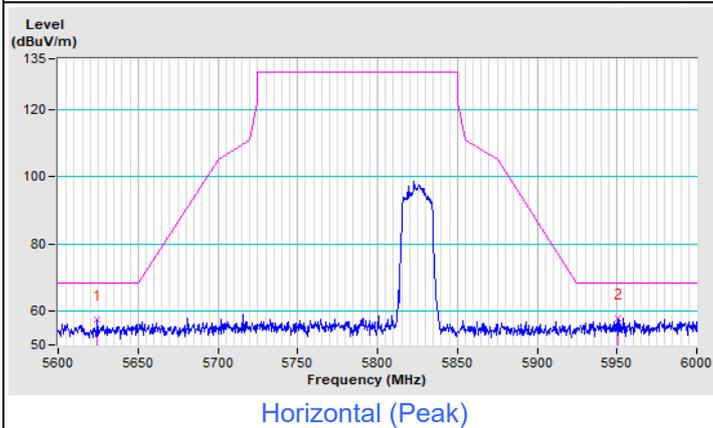
802.11ax (HE20) Full RU Channel 149



802.11ax (HE20) Full RU Channel 157

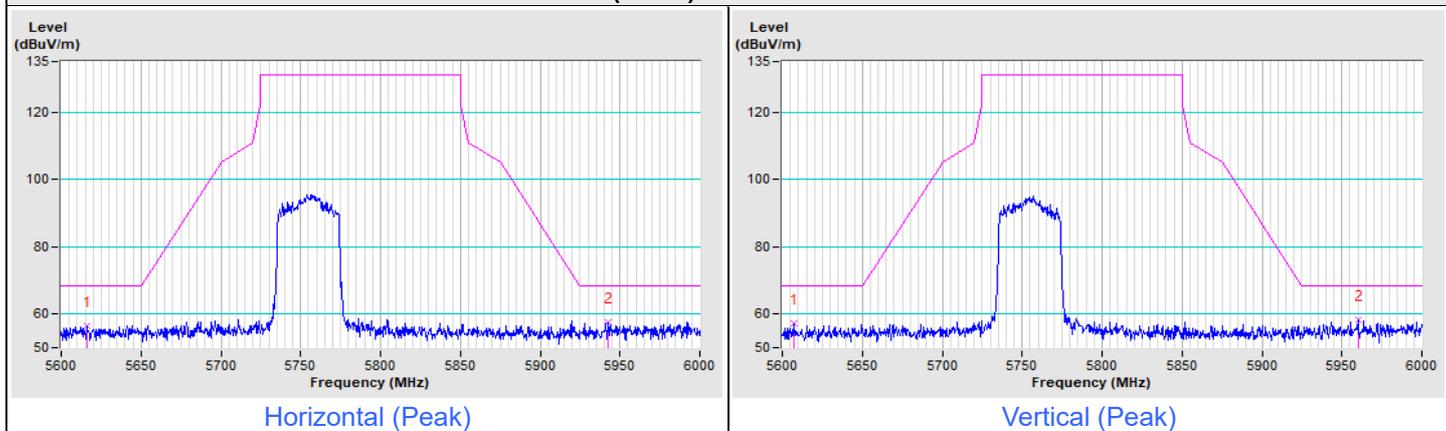


802.11ax (HE20) Full RU Channel 165

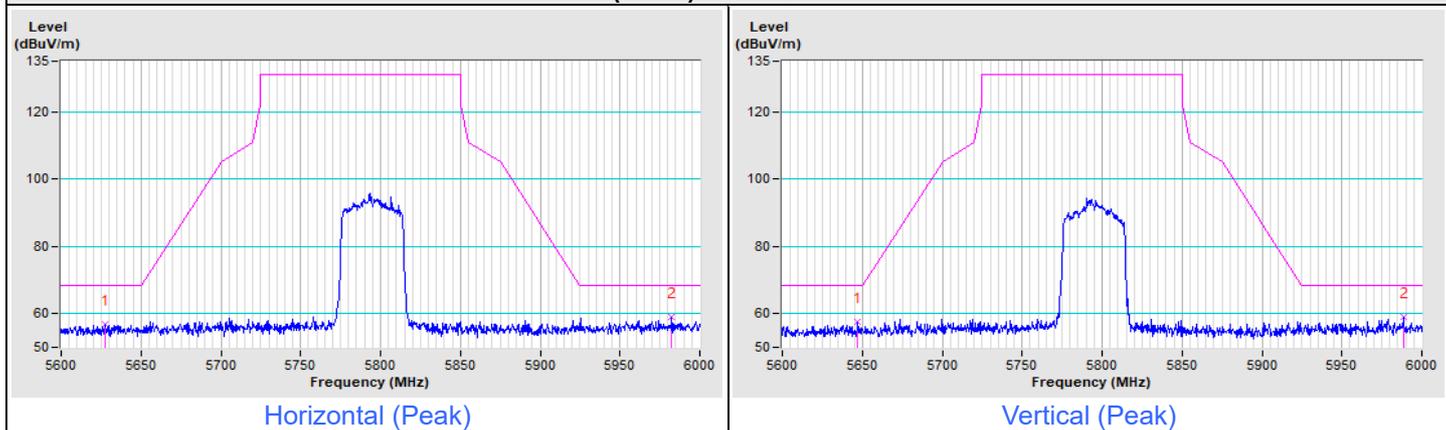


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Full RU Channel 151

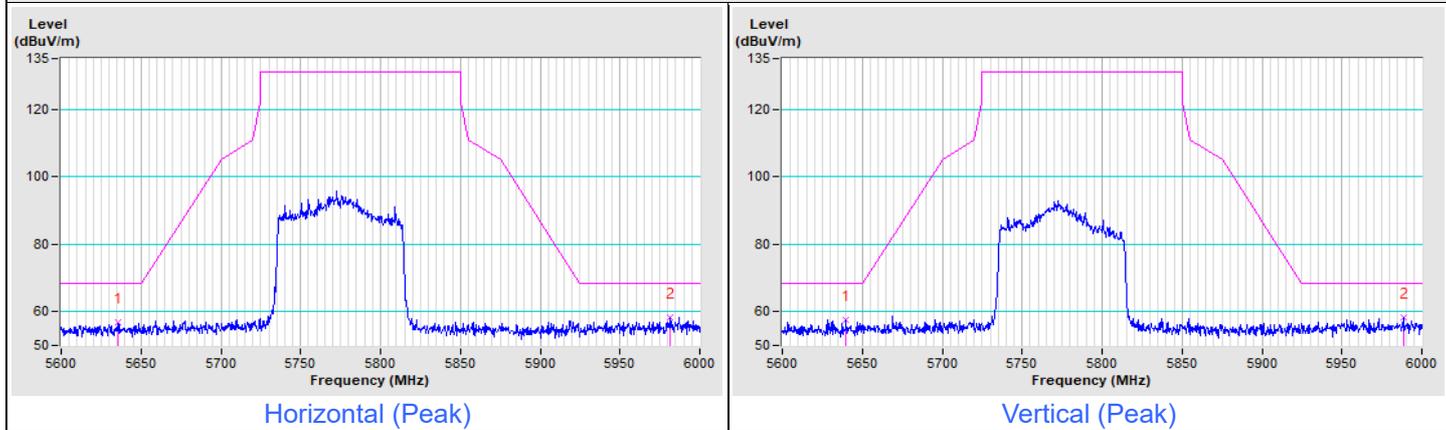


802.11ax (HE40) Full RU Channel 159



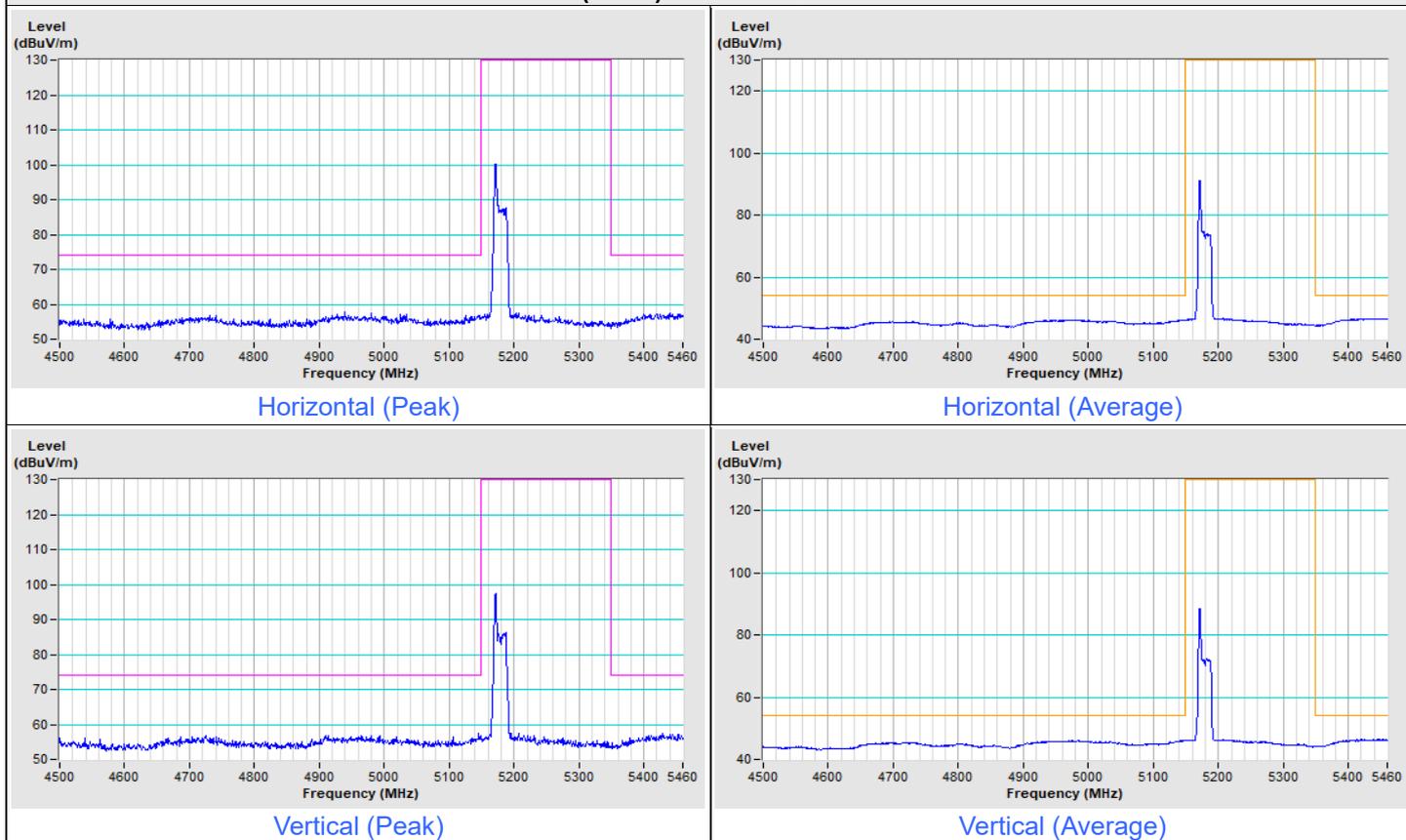
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Full RU Channel 155

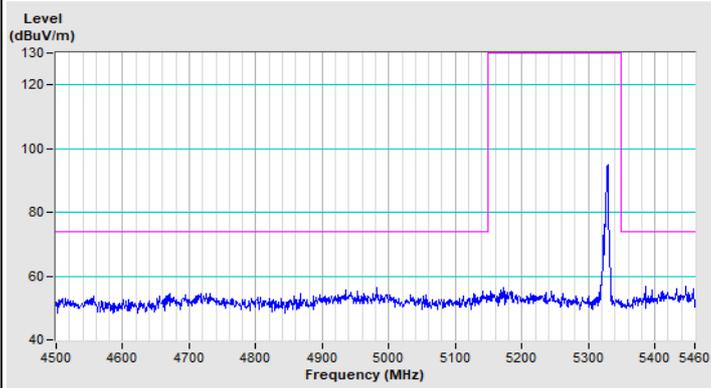


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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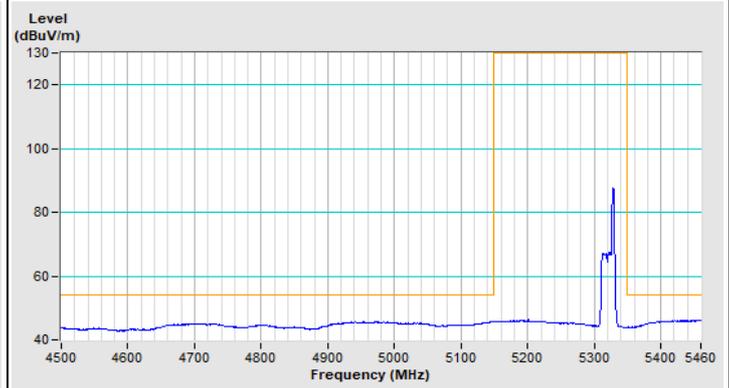
802.11ax (HE20) 26-tone RU Channel 36



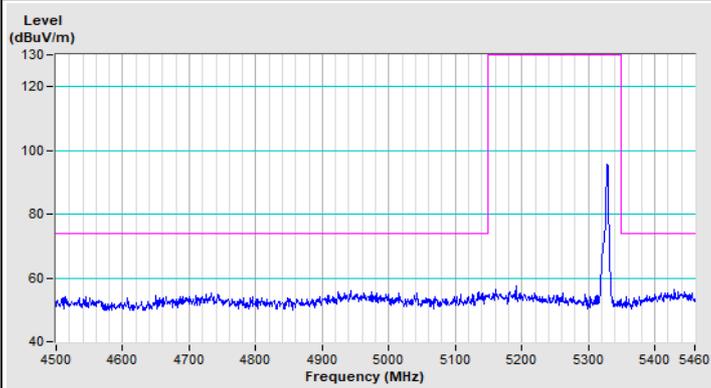
802.11ax (HE20) 26-tone RU Channel 64



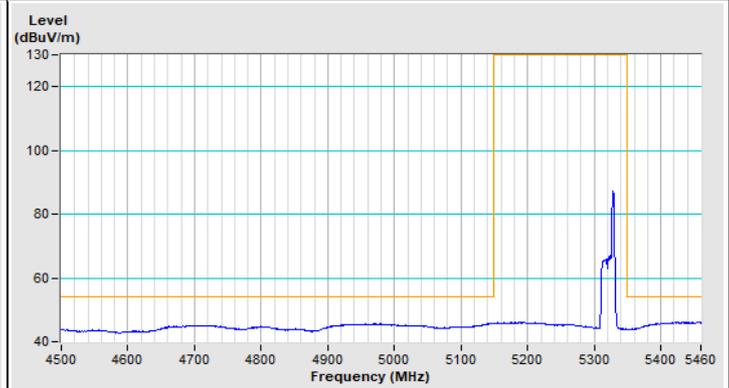
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

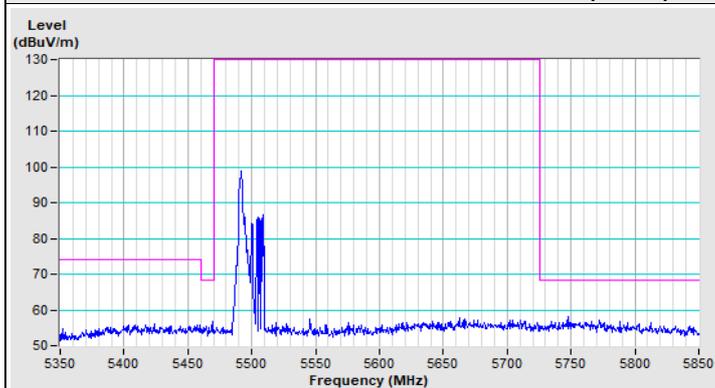


Vertical (Average)

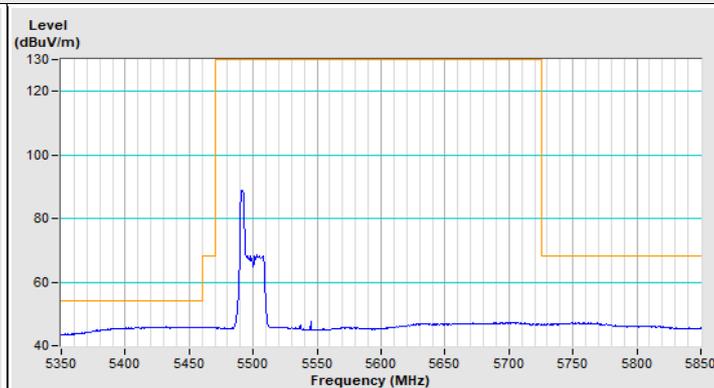


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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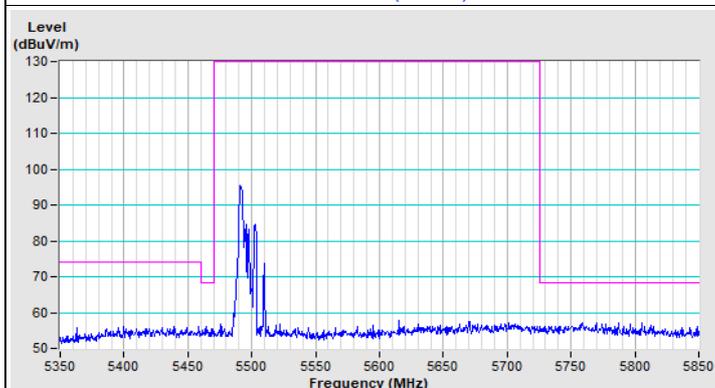
802.11ax (HE20) 26-tone RU Channel 100



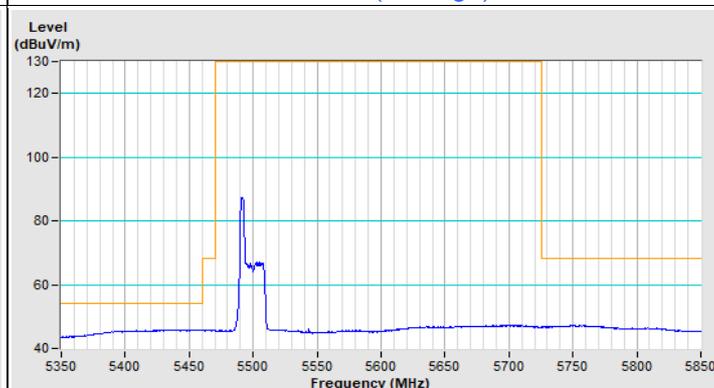
Horizontal (Peak)



Horizontal (Average)

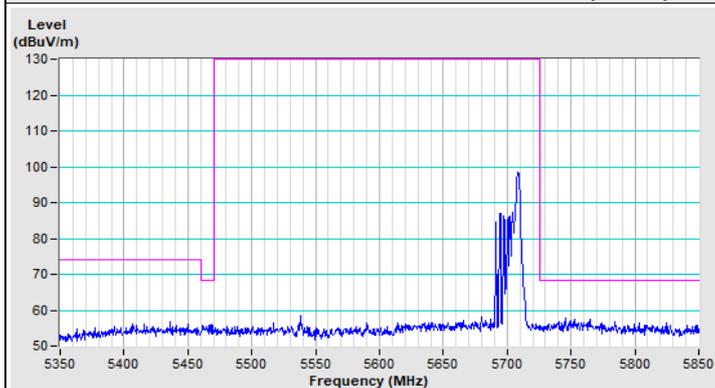


Vertical (Peak)

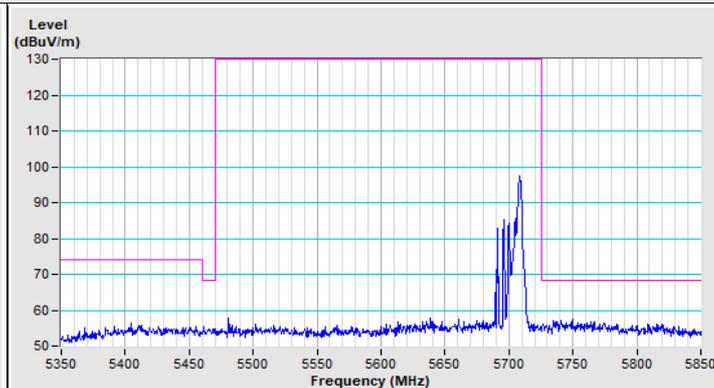


Vertical (Average)

802.11ax (HE20) 26-tone RU Channel 140



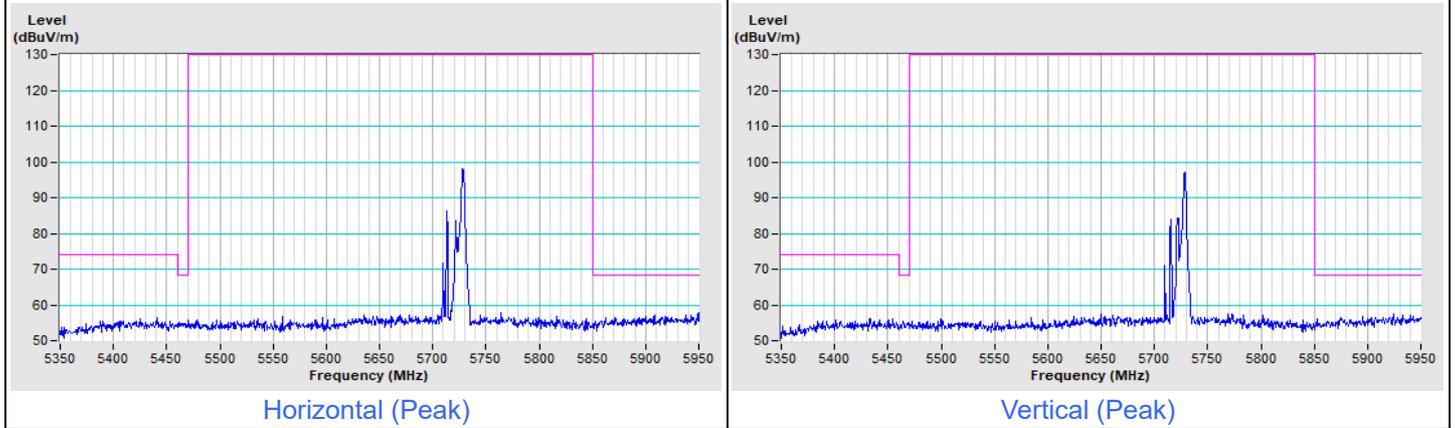
Horizontal (Peak)



Vertical (Peak)

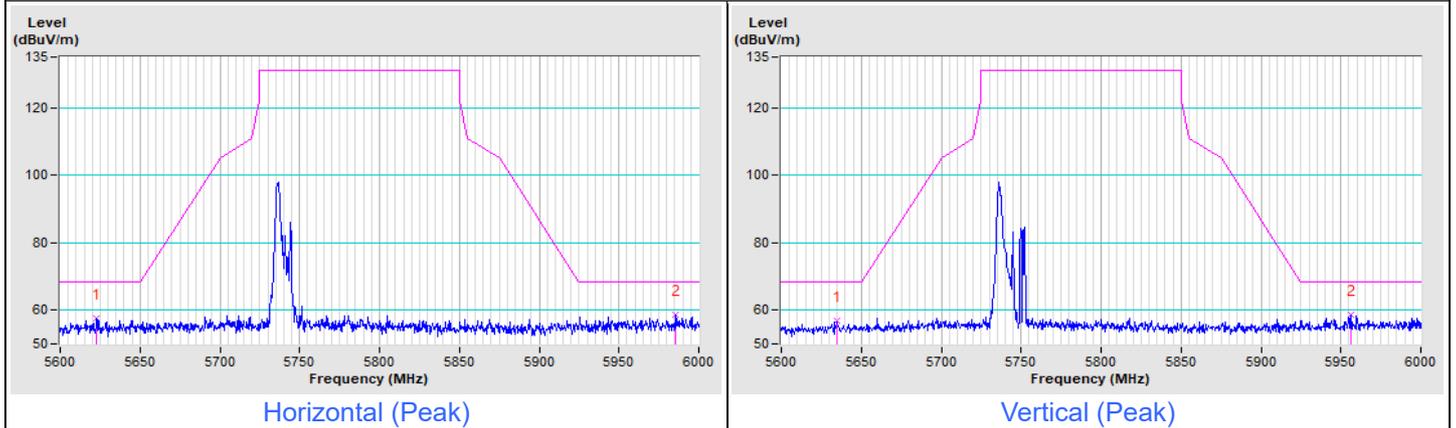
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 26-tone RU Channel 144

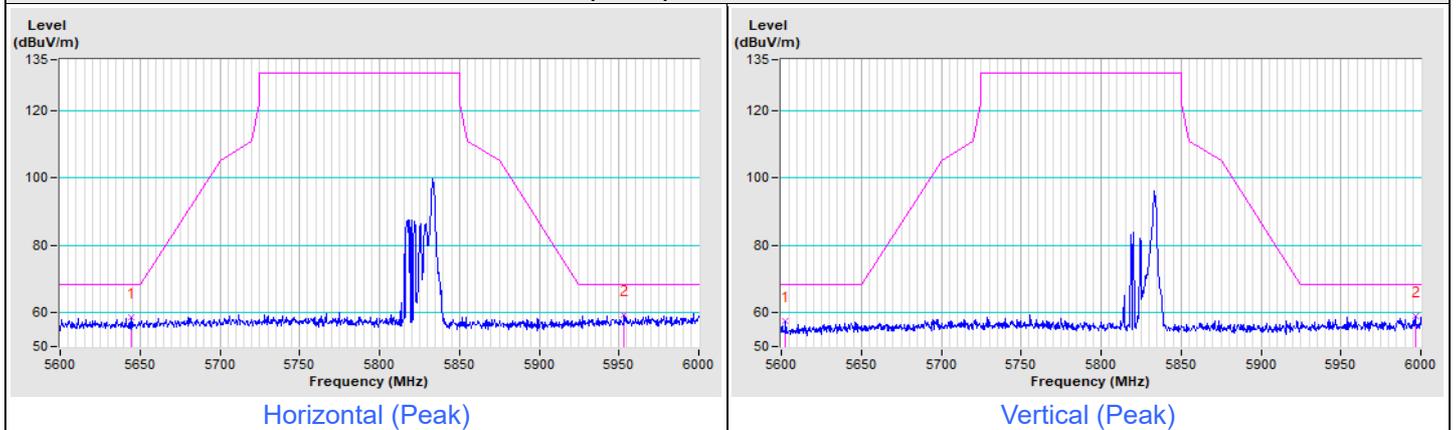


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 26-tone RU Channel 149

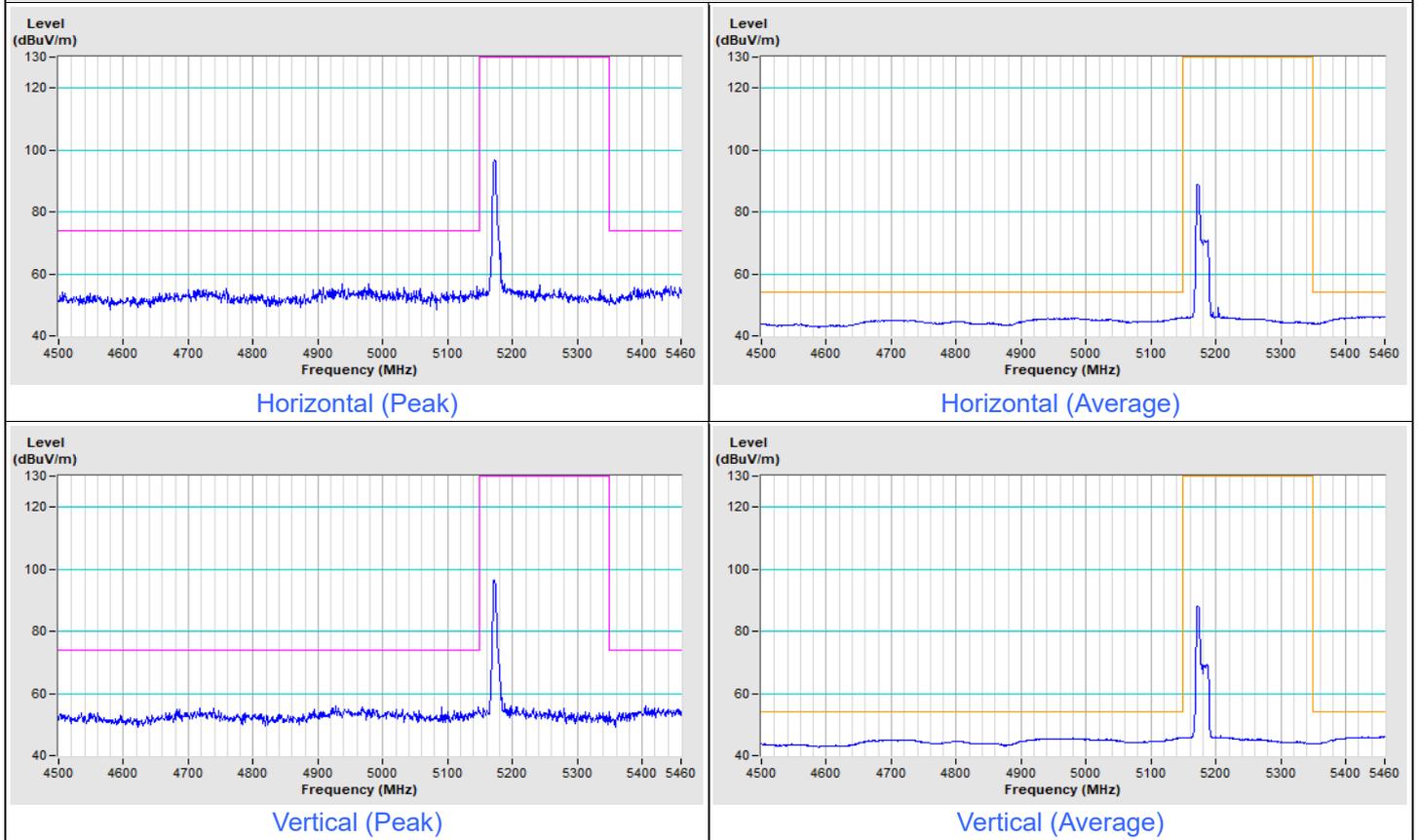


802.11ax (HE20) 26-tone RU Channel 165

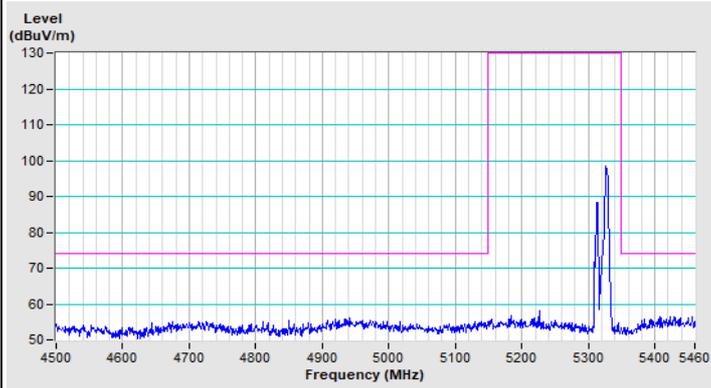


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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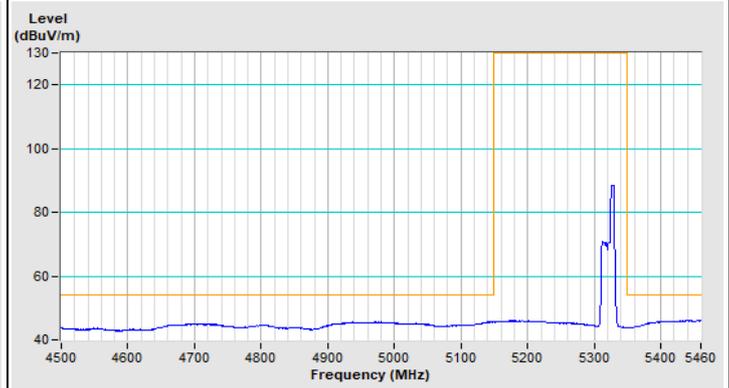
802.11ax (HE20) 52-tone RU Channel 36



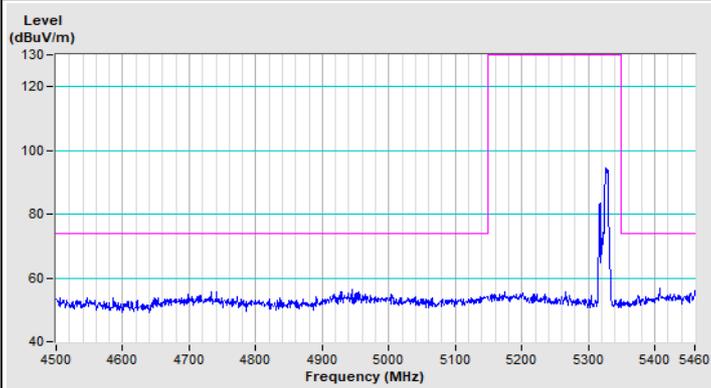
802.11ax (HE20) 52-tone RU Channel 64



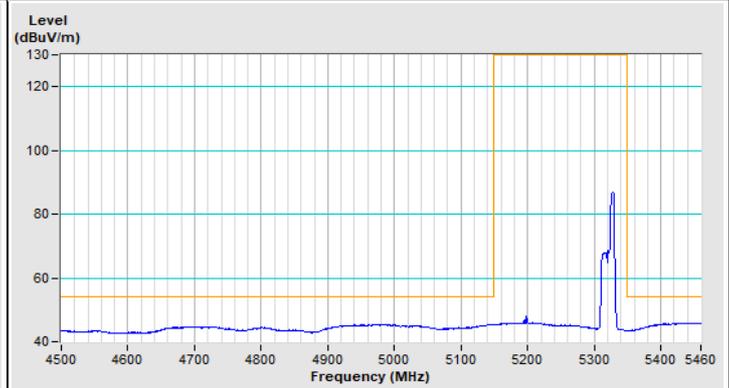
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

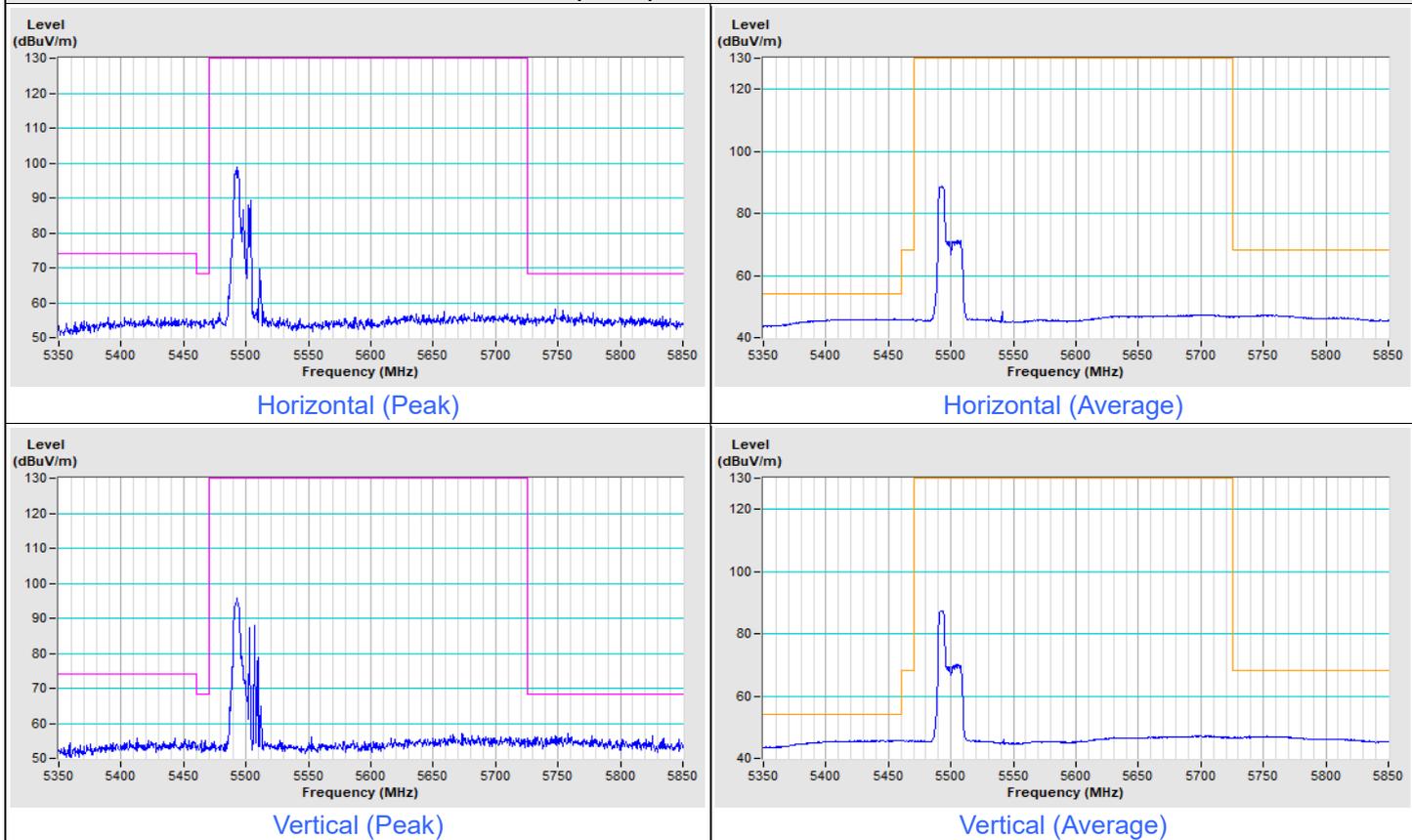


Vertical (Average)

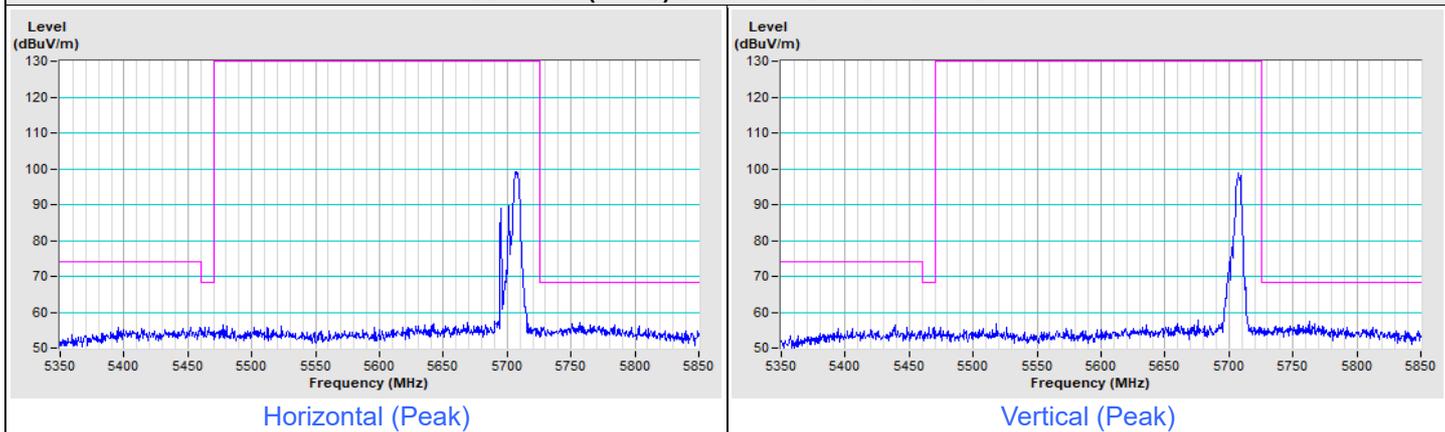


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) 52-tone RU Channel 100



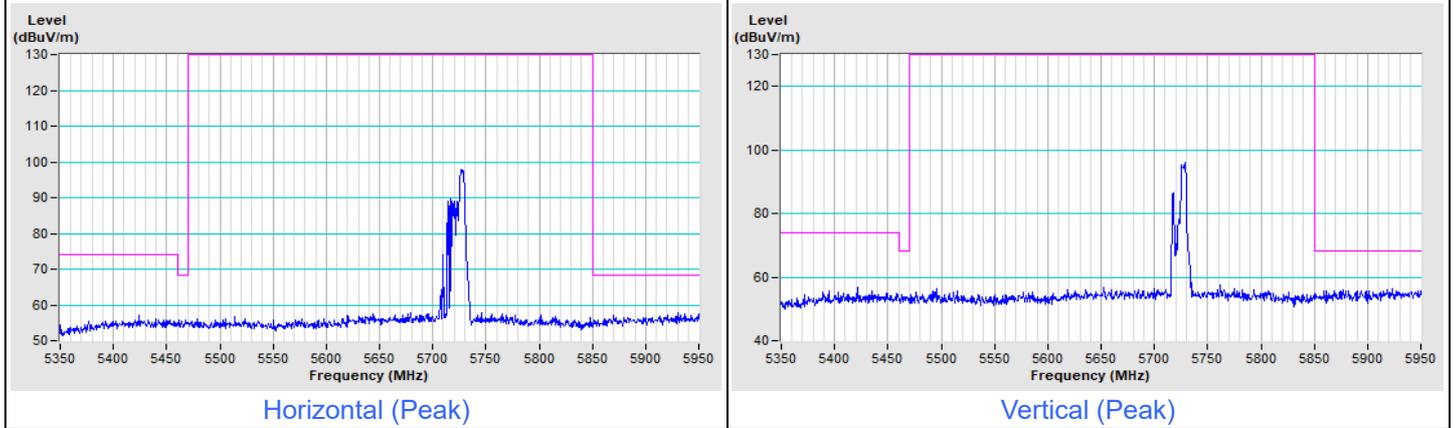
802.11ax (HE20) 52-tone RU Channel 140





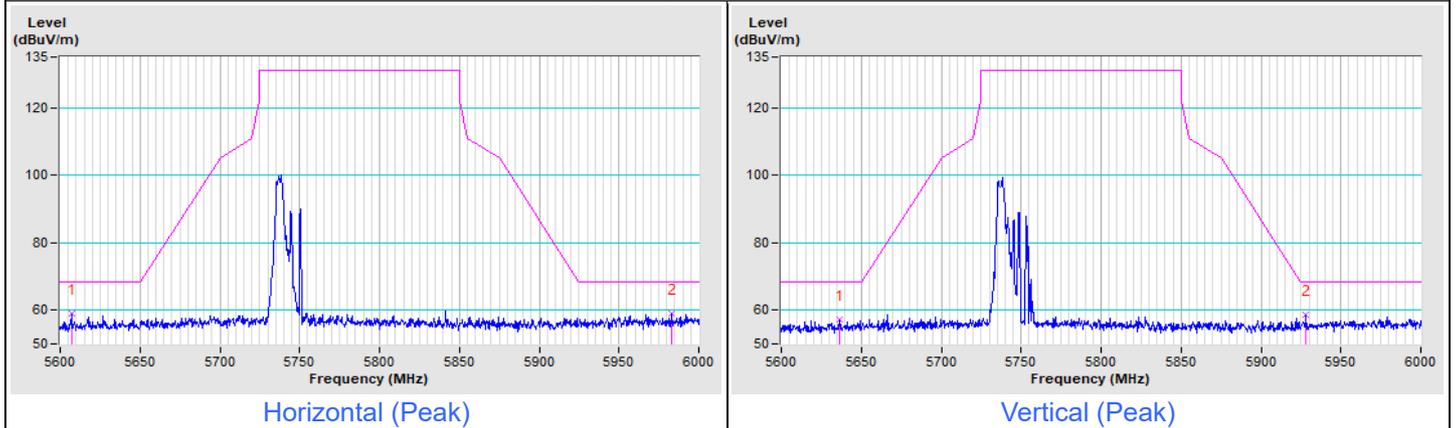
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 52-tone RU Channel 144

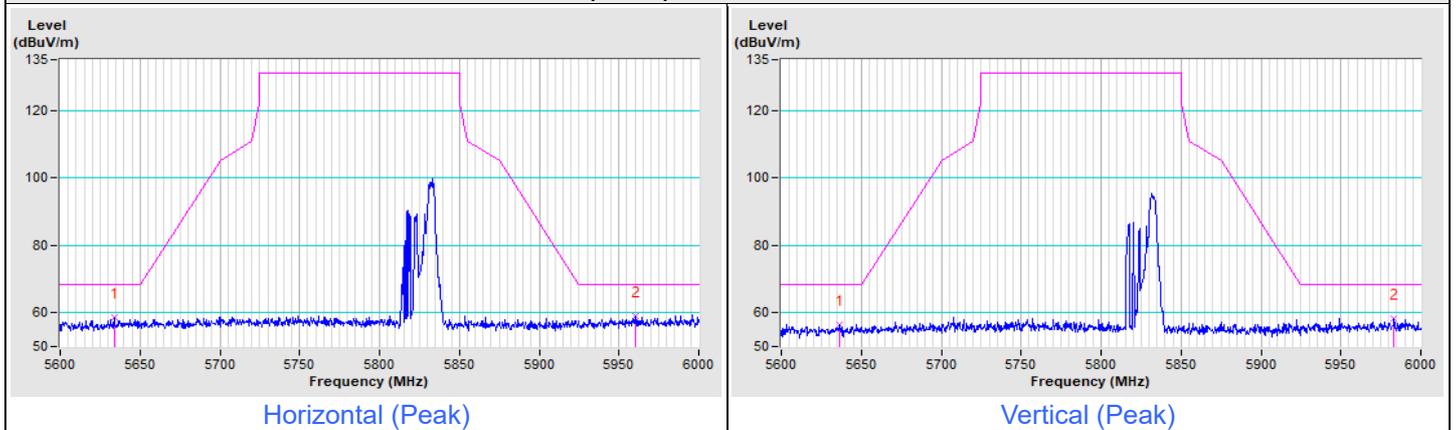


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 52-tone RU Channel 149

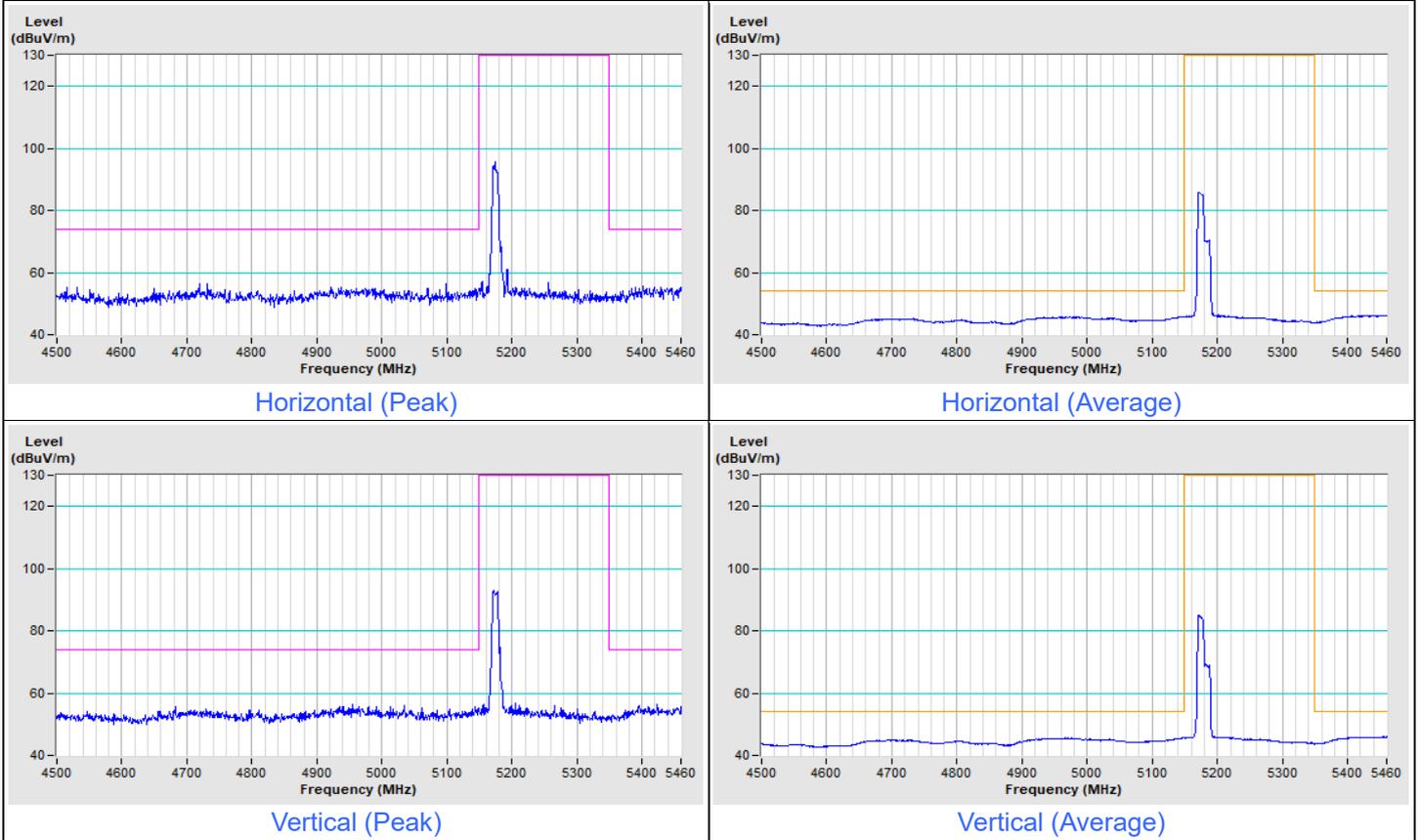


802.11ax (HE20) 52-tone RU Channel 165

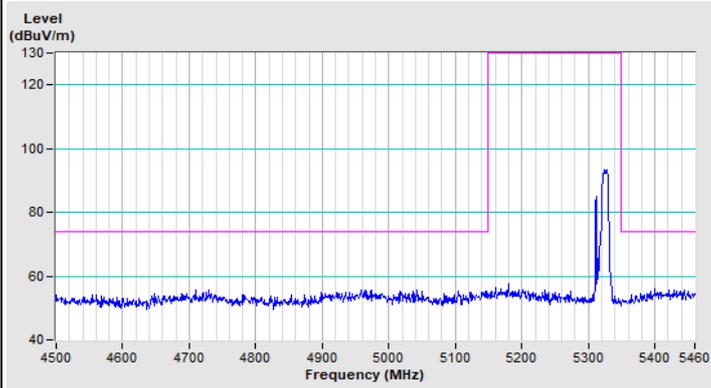


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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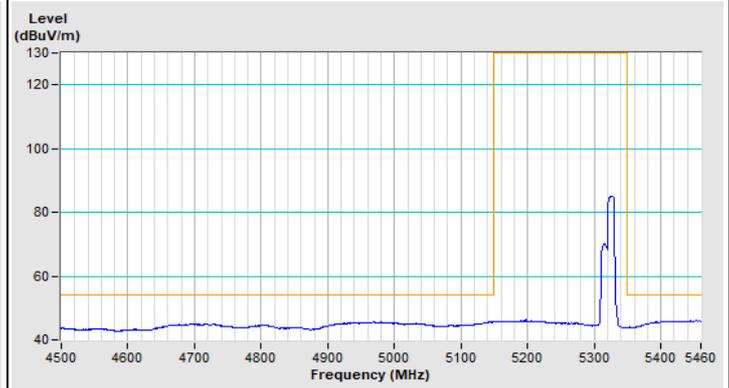
802.11ax (HE20) 106-tone RU Channel 36



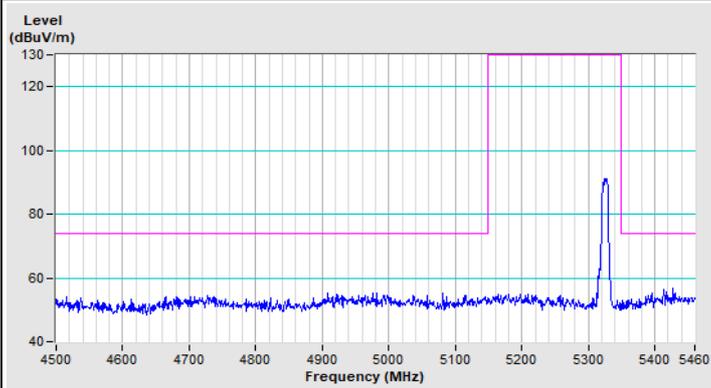
802.11ax (HE20) 106-tone RU Channel 64



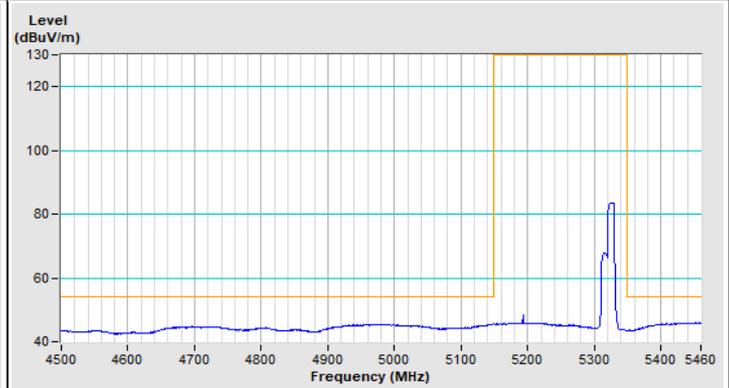
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

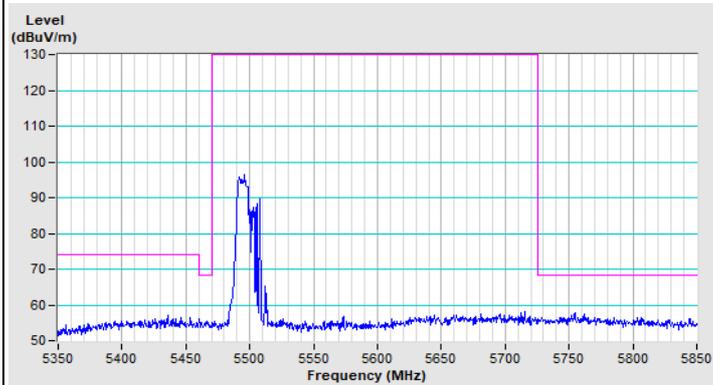


Vertical (Average)

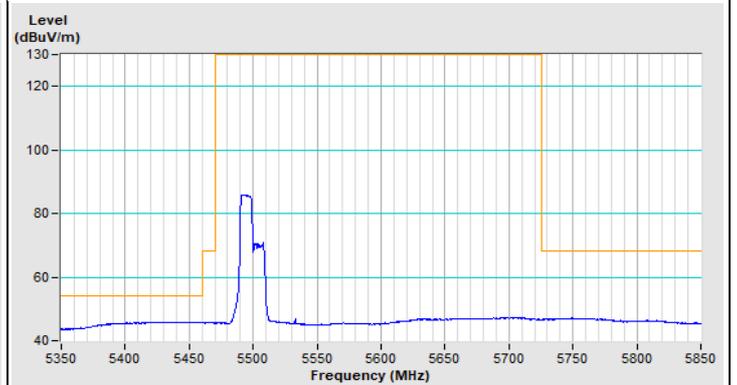


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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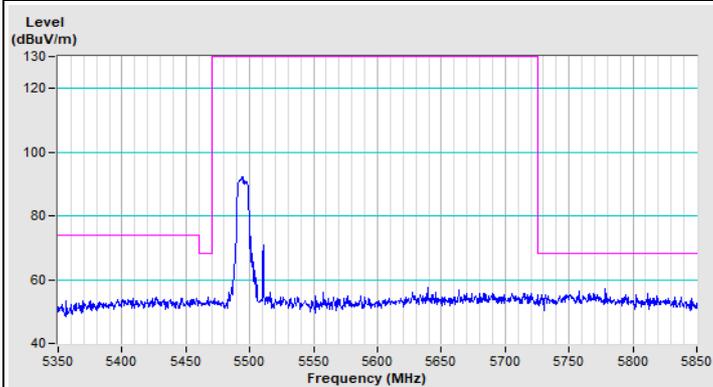
802.11ax (HE20) 106-tone RU Channel 100



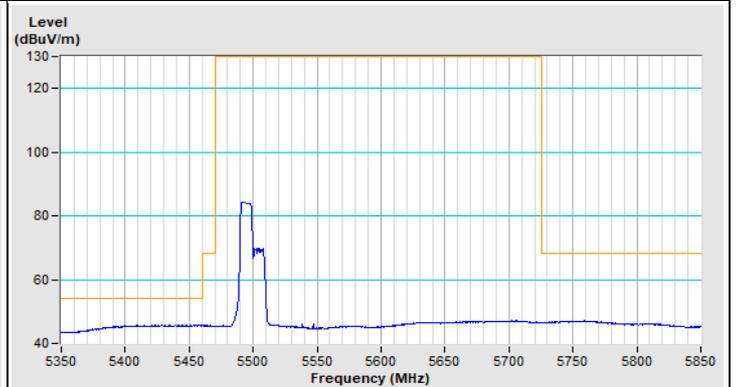
Horizontal (Peak)



Horizontal (Average)

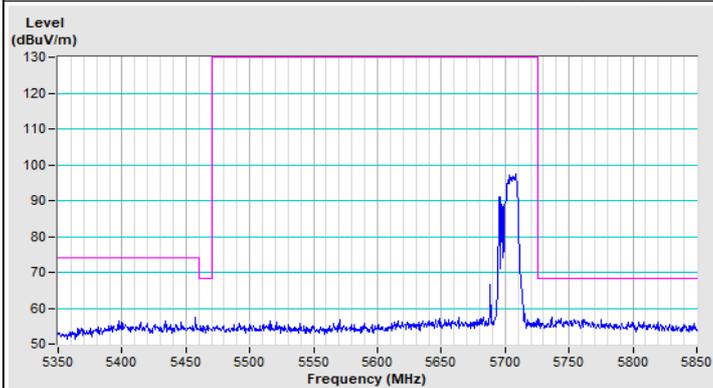


Vertical (Peak)

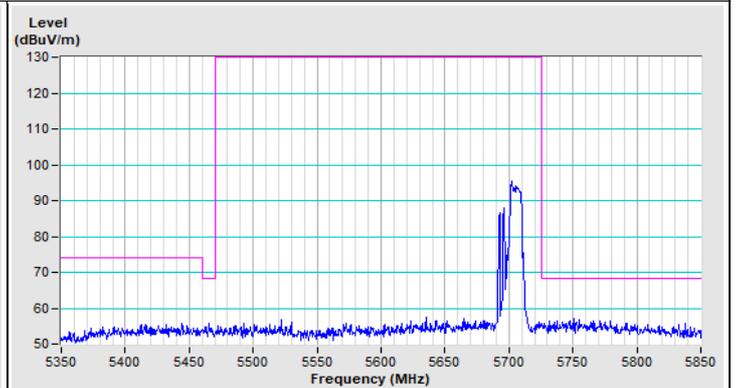


Vertical (Average)

802.11ax (HE20) 106-tone RU Channel 140



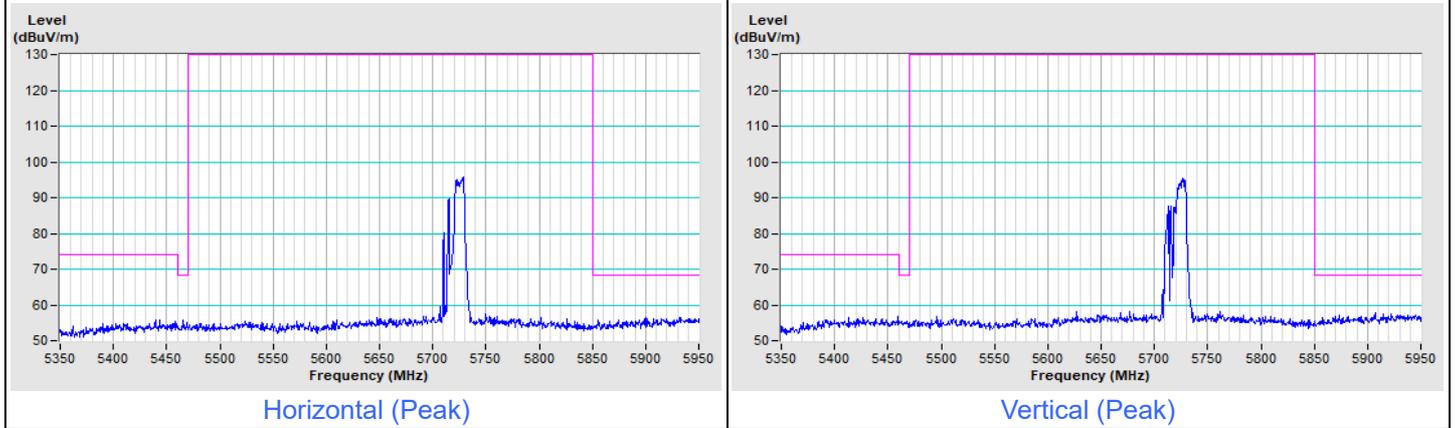
Horizontal (Peak)



Vertical (Peak)

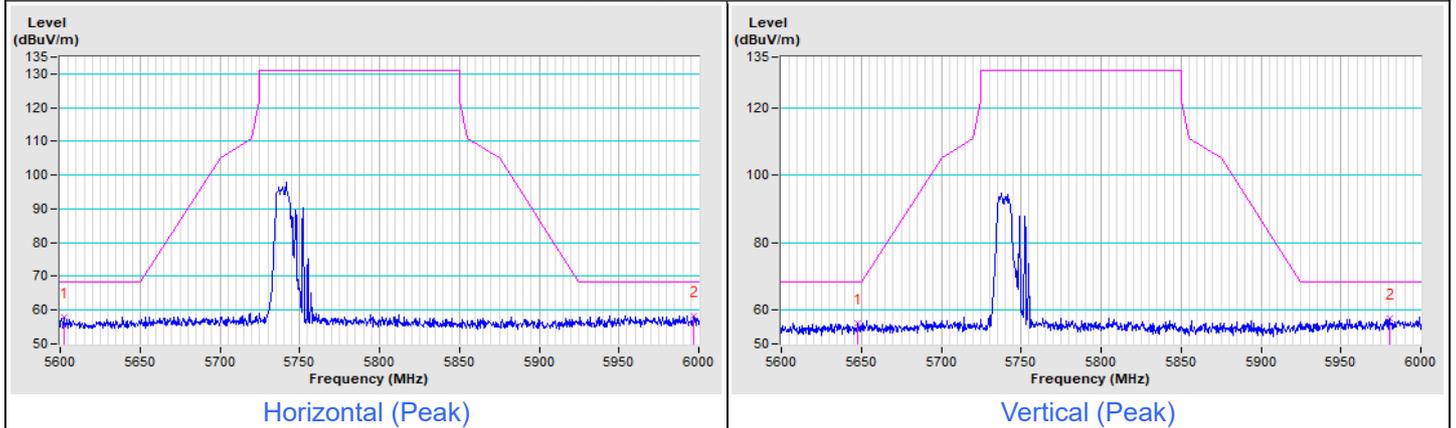
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 144

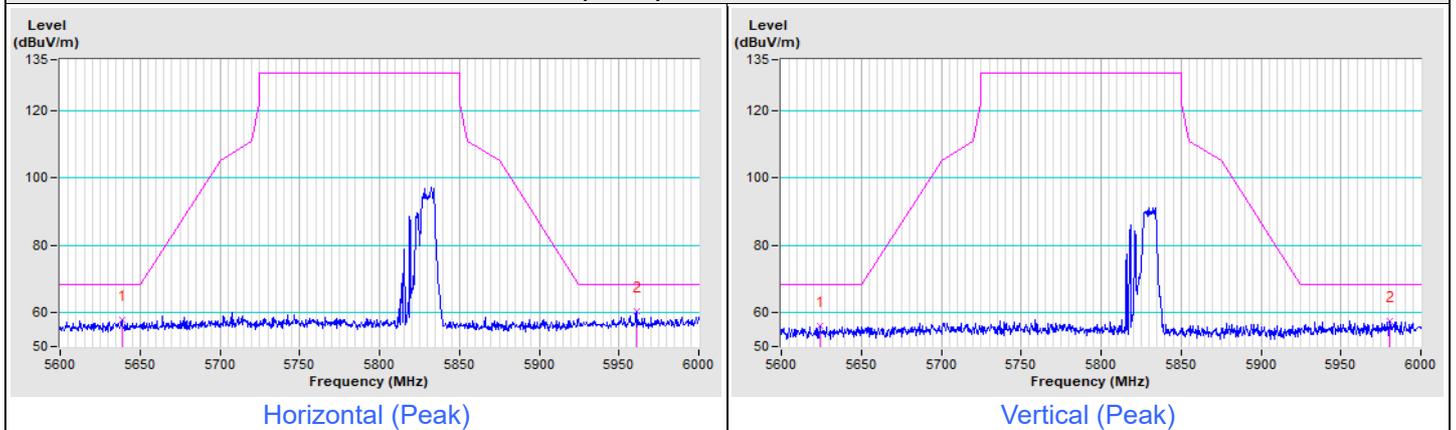


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 149

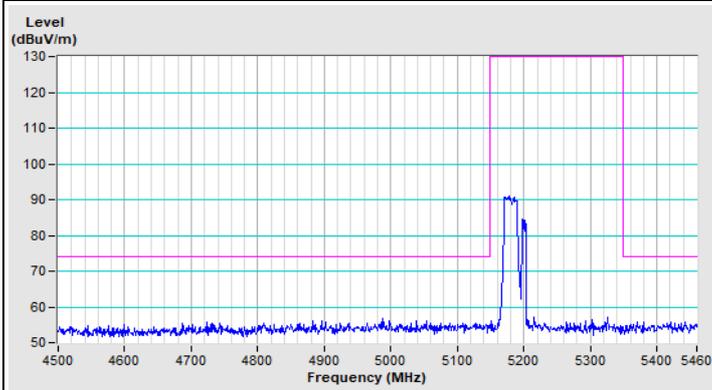


802.11ax (HE20) 106-tone RU Channel 165

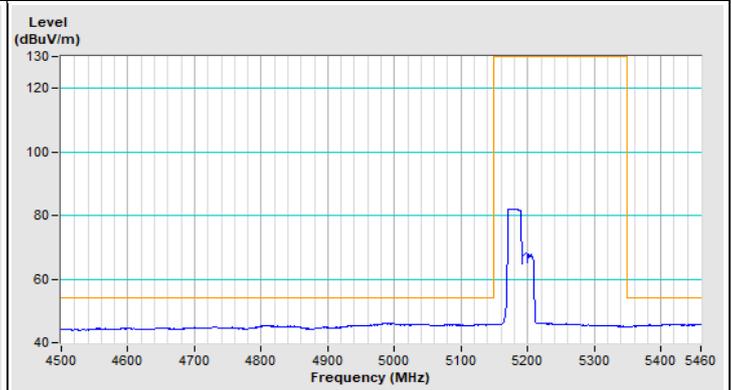


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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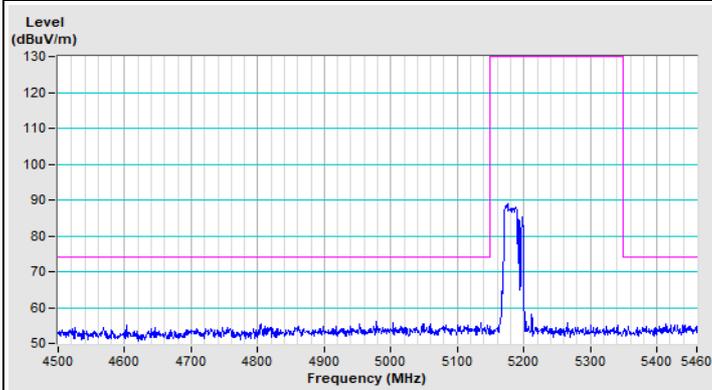
802.11ax (HE40) 242-tone RU Channel 38



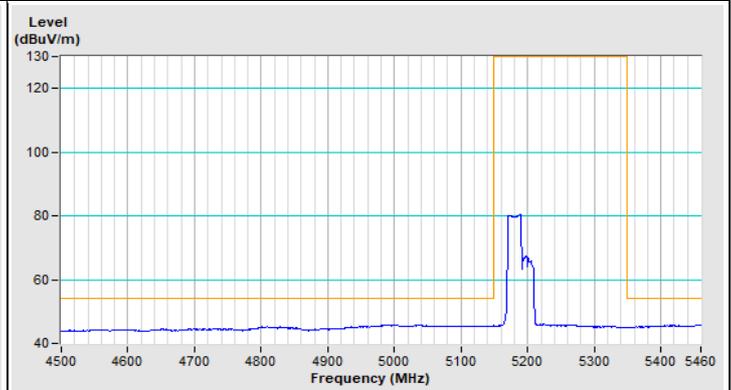
Horizontal (Peak)



Horizontal (Average)

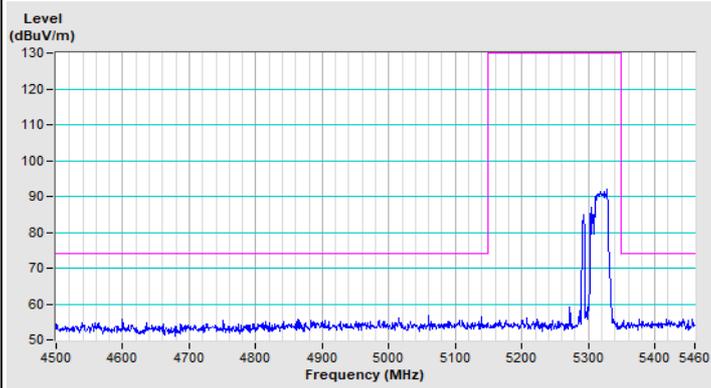


Vertical (Peak)

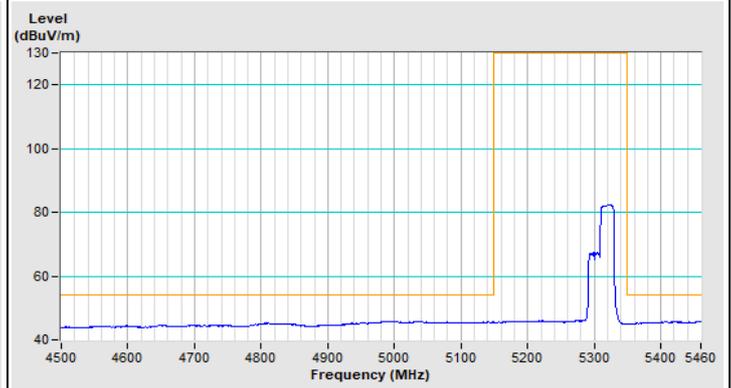


Vertical (Average)

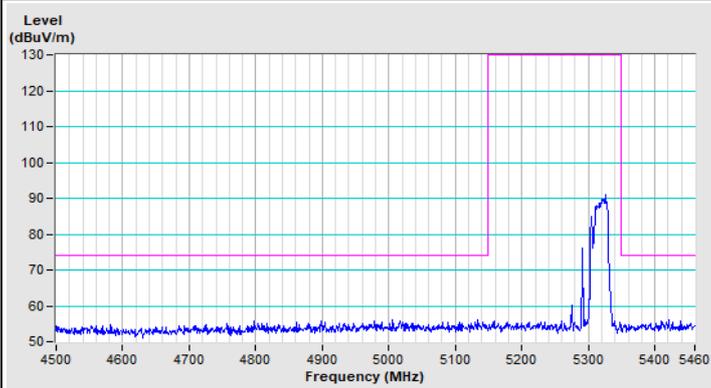
802.11ax (HE40) 242-tone RU Channel 62



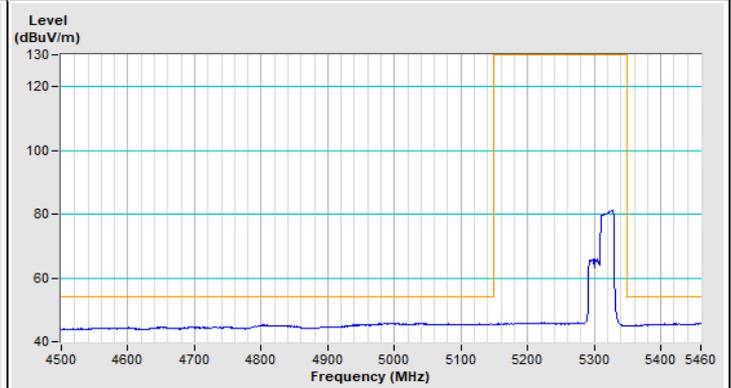
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

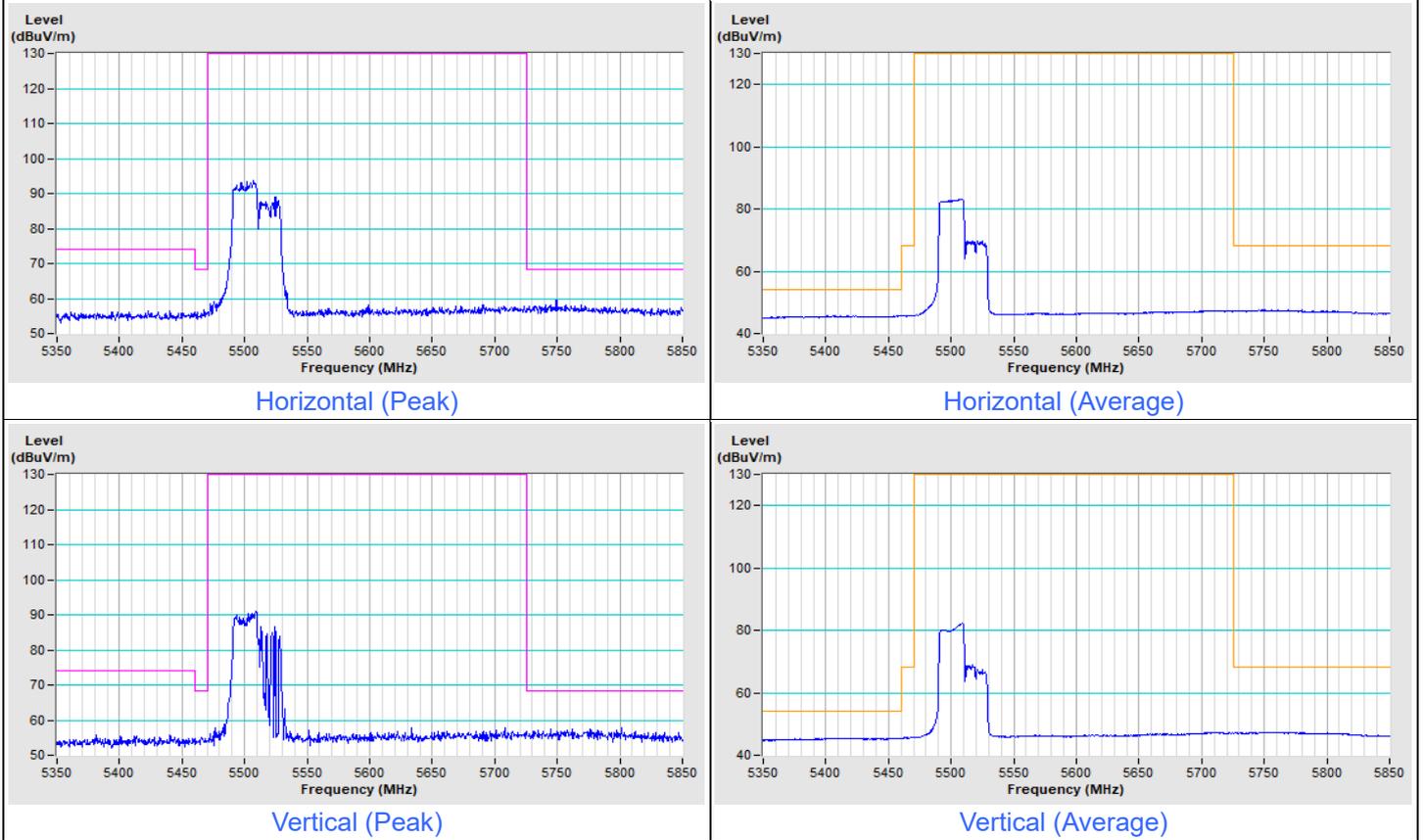


Vertical (Average)

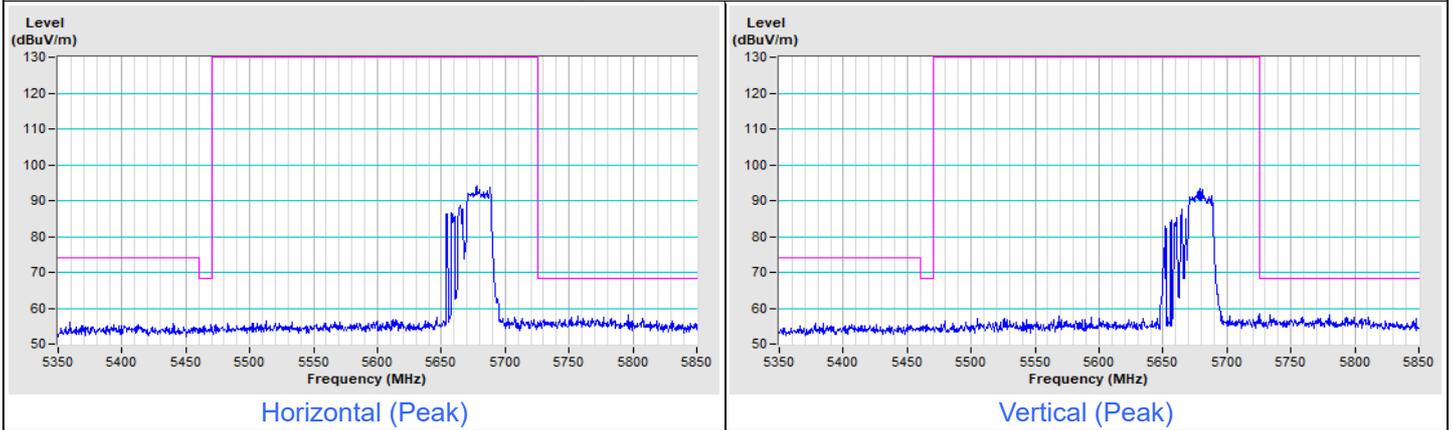


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE40) 242-tone RU Channel 102



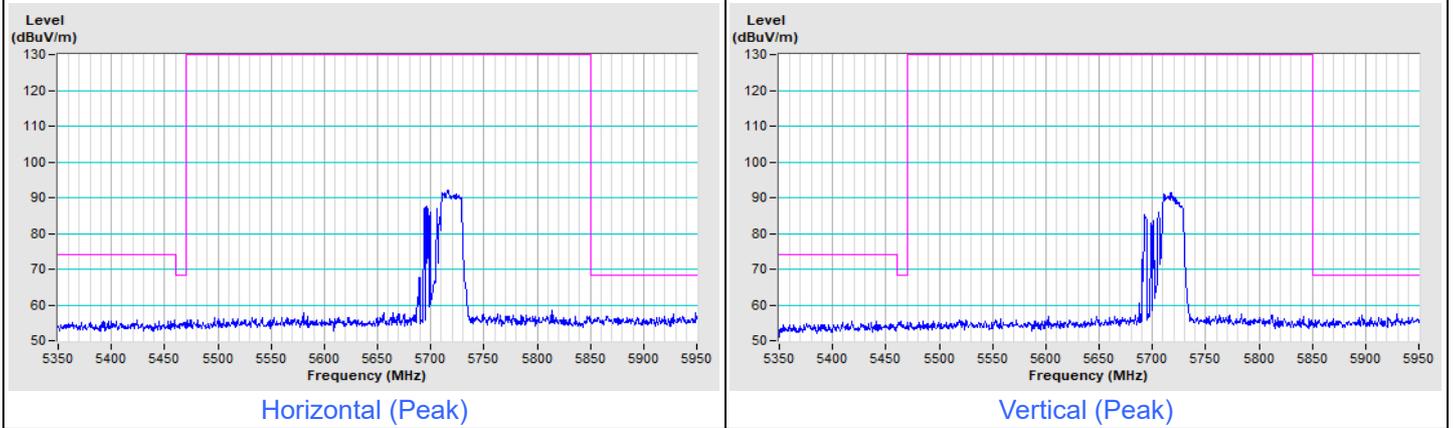
802.11ax (HE40) 242-tone RU Channel 134





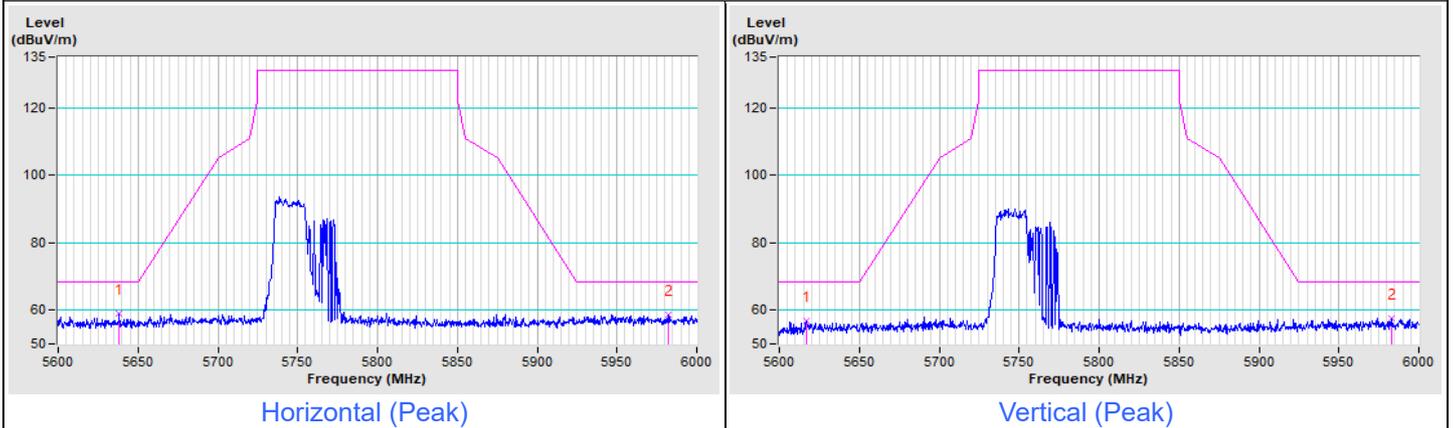
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) 242-tone RU Channel 142

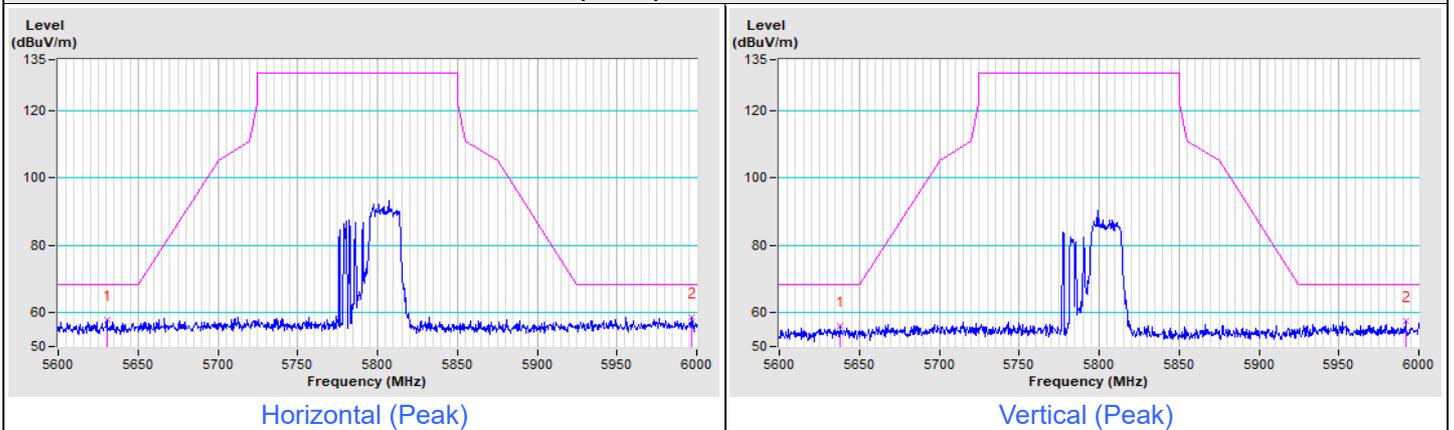


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) 242-tone RU Channel 151

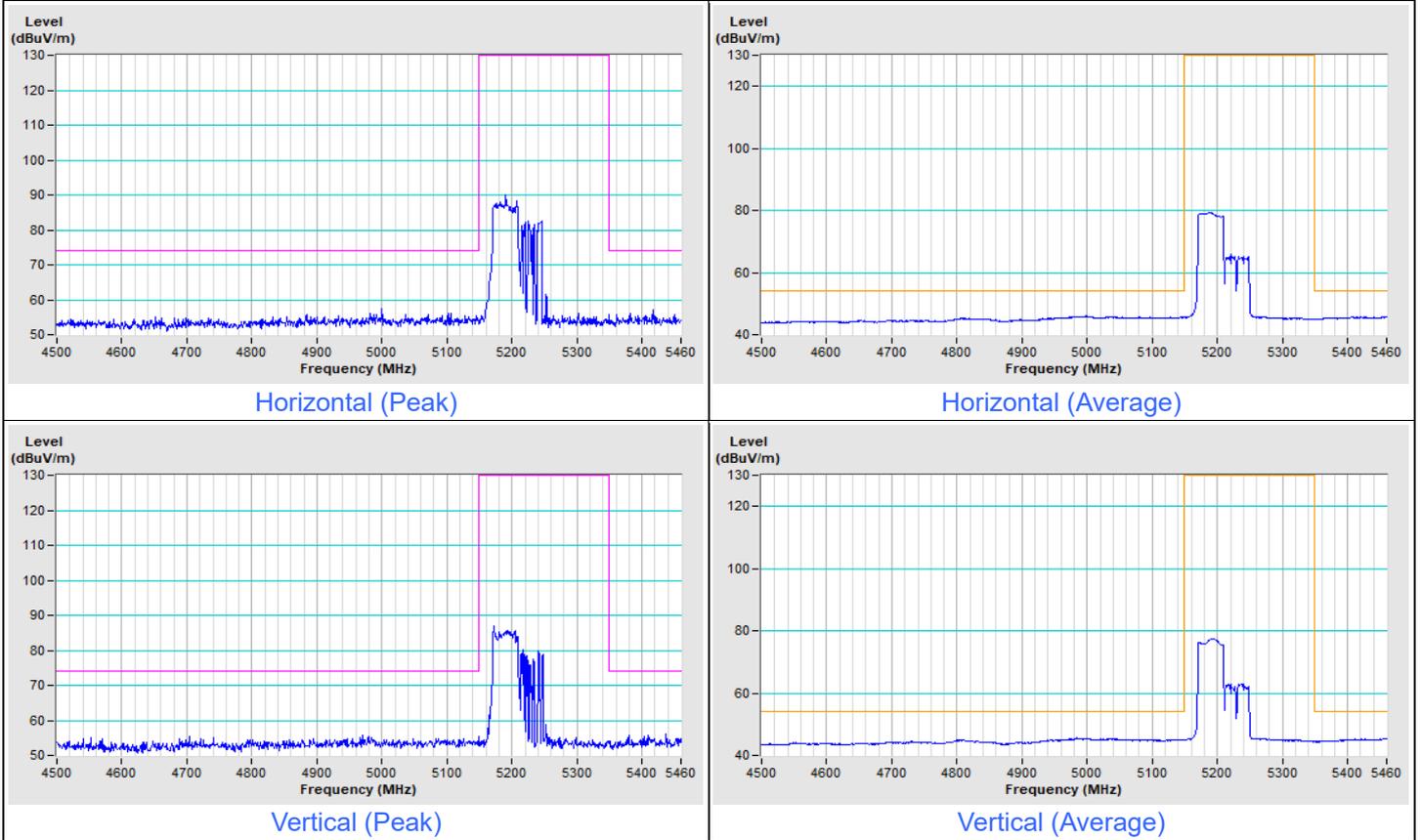


802.11ax (HE40) 242-tone RU Channel 159

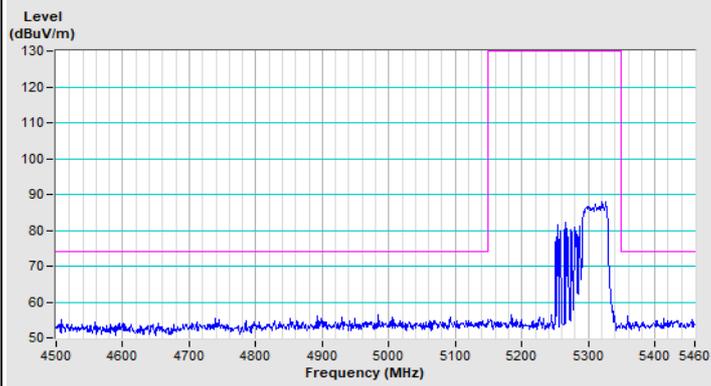


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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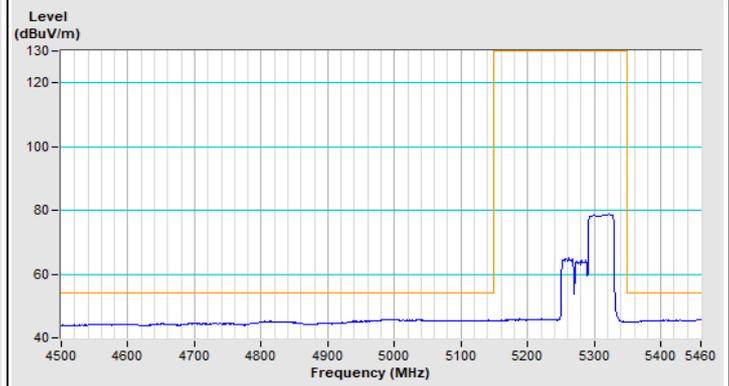
802.11ax (HE80) 484-tone RU Channel 42



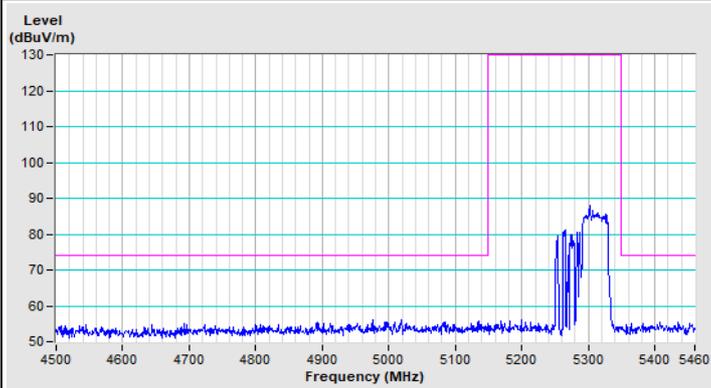
802.11ax (HE80) 484-tone RU Channel 58



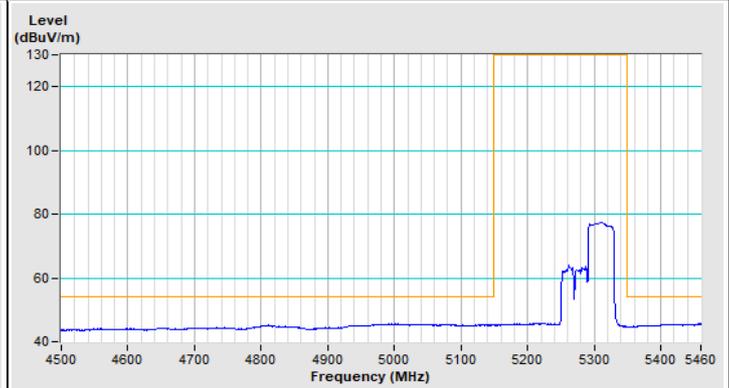
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

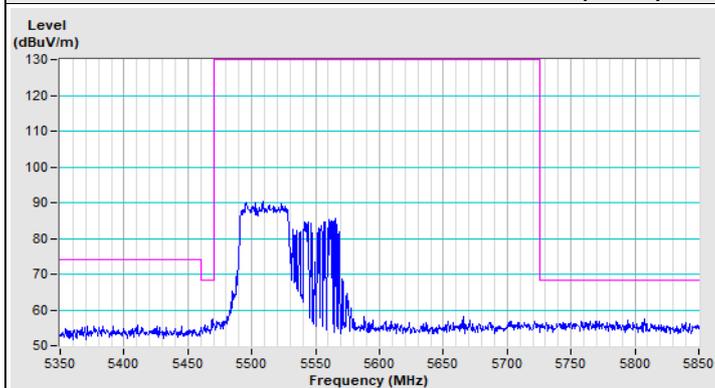


Vertical (Average)

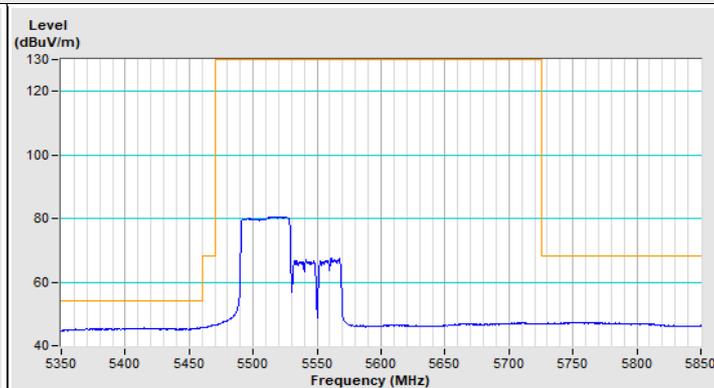


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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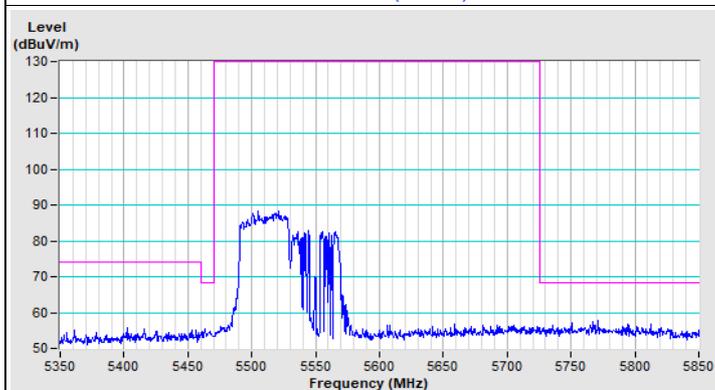
802.11ax (HE80) 484-tone RU Channel 106



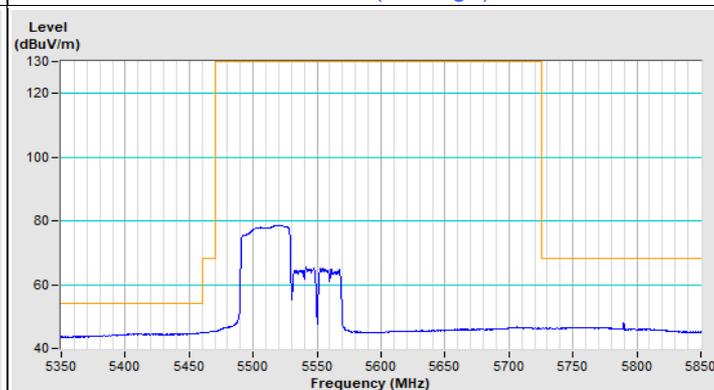
Horizontal (Peak)



Horizontal (Average)

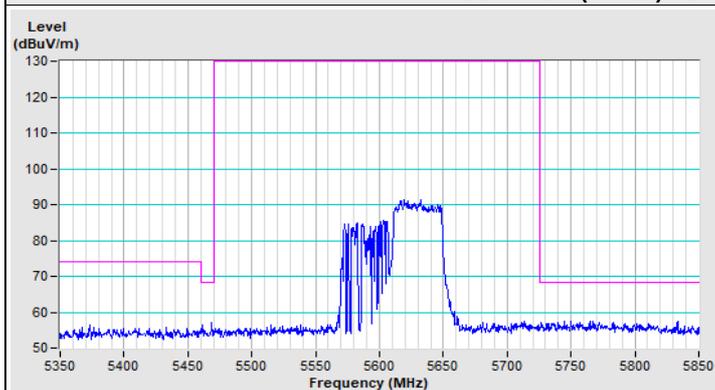


Vertical (Peak)

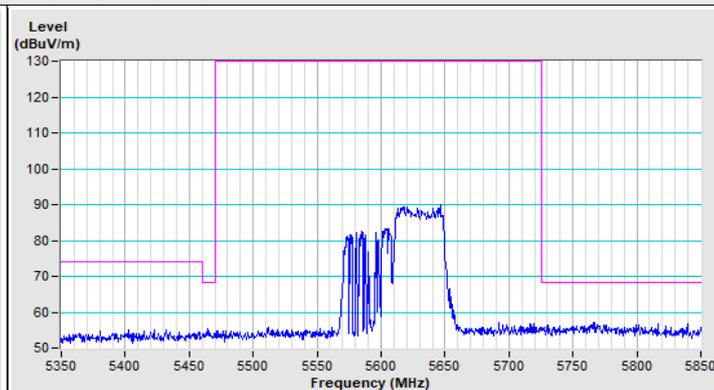


Vertical (Average)

802.11ax (HE80) 484-tone RU Channel 122



Horizontal (Peak)

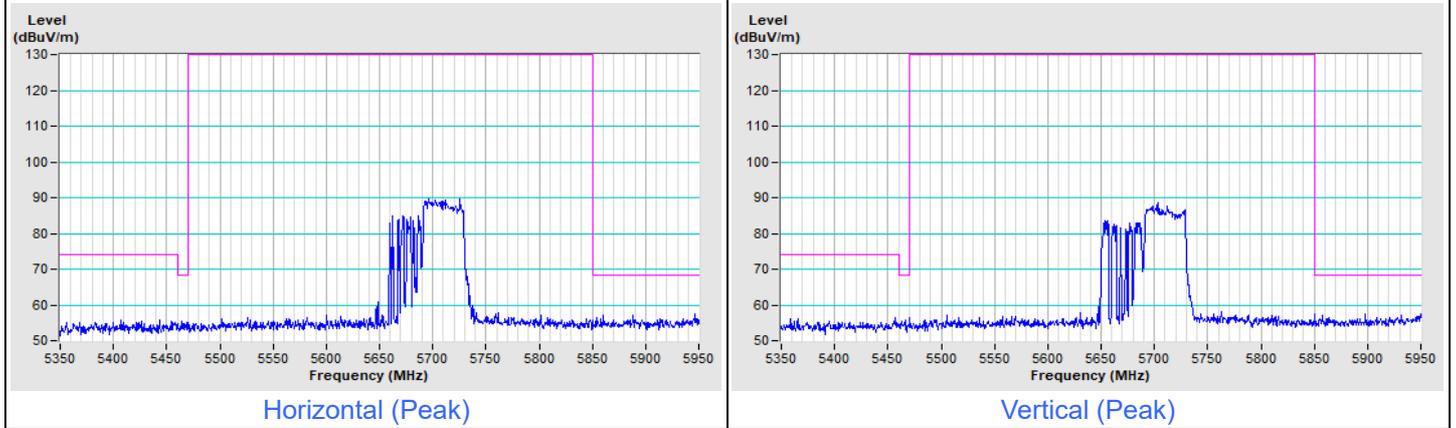


Vertical (Peak)



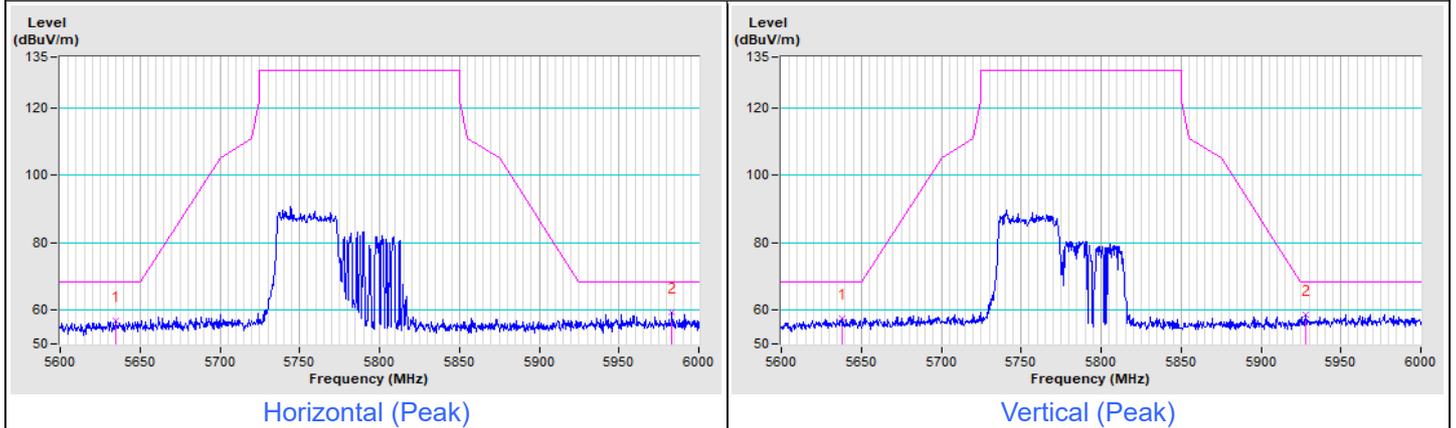
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) 484-tone RU Channel 138



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) 484-tone RU Channel 155



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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Email: service.adt@bureauveritas.com

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

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

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