

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBCUN-WTW-P25020520-6
FCC ID: H8NPCTE020
Product: Mobile Computer
Brand: Askey
Model No.: RC40
Received Date: 2025/3/11
Test Date: 2025/4/8 ~ 2025/6/3
Issued Date: 2025/7/4

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

Approved by: _____

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: _____

2025/7/4

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Prepared by : Vera Huang / Specialist



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Issue No.	Description	Date Issued
RFBCUN-WTW-P25020520-6	Original Release	2025/7/4

1 Certificate

Product: Mobile Computer

Brand: Askey

Test Model: RC40

Sample Status: Engineering sample

Applicant: Askey Computer Corporation

Test Date: 2025/4/8 ~ 2025/6/3

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

Measurement ANSI C63.10-2013

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

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -18.45 dB at 0.64600 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -8.9 dB at 53.28 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 -1.0 dB at 5150.00 MHz, 5350.00 MHz, 5470.00 MHz, 5725.00 MHz and 5850.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	206.5 Hz
RF Output Power	-	1.371 dB
Power Spectral Density	-	1.017 dB
6 dB Bandwidth	-	206.5 Hz
Occupied Bandwidth	-	72 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Mobile Computer
Brand	Askey
Test Model	RC40
Status of EUT	Engineering sample
Power Supply Rating	5 / 9 / 12 / 15 / 20Vdc (from adapter) 3.85Vdc (from battery) 12Vdc (from Charging Cradle)
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 2401.9 Mbps
Operating Frequency	5.18 GHz ~ 5.25 GHz 5.25 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6 802.11ac (VHT160), 802.11ax (HE160): 2
Output Power	5.18 GHz ~ 5.25 GHz : 43.271 mW (16.36 dBm) 5.25 GHz ~ 5.32 GHz : 43.096 mW (16.34 dBm) 5.5 GHz ~ 5.72 GHz : 43.58 mW (16.39 dBm) 5.745 GHz ~ 5.825 GHz : 44.649 mW (16.50 dBm)
EUT Category	Client device

Note:

1. The EUT contains following accessories.

Battery	Brand	Askey
	Model	RC40-BR-SBL500
	Nominal Voltage	3.85V
	Nominal Capacity	5000mAh, 19.25Wh
	Rated Capacity	4900mAh, 18.865Wh
	Limited Charging Voltage	4.4V
AC Adapter 1 (for Charging Cradle) (Optional)	Brand	Sunny Computer Technology Co.,LTD.
	Model	SYS1649-5012-T3
	Input	100-240V~, 1.5A MAX,50-60Hz
	Output	+12.0V=4.16A
	Output Power	50.0W MAX.
	Description	1.2M / 1core
Power Cord (for AC Adapter 1 & 3) (Optional)	Brand	I-SHENG
	Model	V5BVS33161218002
	Description	1.8M
AC Adapter 2 (Optional)	Brand	CHANNEL WELL TECHNOLOGY
	Model	A1C030AC
	Input	100-240V~, 50-60Hz, 1.2A
	Output	5.0V= 3.0A 15.0W
		9.0V= 3.0A 27.0W
12.0V= 2.5A 30.0W		
15.0V= 2.0A 30.0W		
20.0V=1.5A 30.0W		
AC Adapter 3 (for Charging Cradle) (Optional)	Brand	MASS POWER
	Model	S050-1A120416B3
	Input	100-240V~ 50-60Hz, 1.5A
	Output	12.0V 4.16A, 49.92W
Charging Cradle (Optional)	Brand	Askey
	Model	RC40-CD-TBE100
Scan Handle (Optional)	Brand	Askey
	Model	RC40-PT-TGH000

2. The EUT uses following support unit.

USB C to C Cable	Brand	HOTRON
	Model	D0018100R7XYY
	Description	0.92m

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	Ant. 5	Ant. 8
Antenna Type	PIFA	PIFA
Connector Type	ipex(MHF)	ipex(MHF)
Brand	HONGBO	HONGBO
Model	290-40738	290-40738
Frequency Range	Antenna Gain (dBi)	
5.15~5.25GHz	2.50	2.46
5.25~5.35GHz	2.21	1.96
5.47~5.725GHz	2.18	2.23
5.725~5.85GHz	2.21	1.16

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11ax (RU26/52/106)	2TX	2RX

Note:

1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz), and 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore, the investigated worst case is the representative mode in test report.

3.3 Channel List

For 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

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

Channel	Frequency
50	5250 MHz

For 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

For 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis / Y-axis / Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT can be used in the following ways: EUT only + Adapter 2 / EUT + Charging Cradle + Adapter 3 / EUT + Scan Handle + Charging Cradle + Adapter 1. 3. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis / Y-axis / Z-axis Worst Condition: Z-axis 2. EUT only + Adapter 2 / EUT + Charging Cradle + Adapter 3 / EUT + Scan Handle + Charging Cradle + Adapter 1 Worst Condition: EUT only + Adapter 2

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

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
26 dB Bandwidth	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s	NA
	802.11ax (HE20) 26-tone RU	CDD	64, 100, 140, 144	BPSK	MCS0	8, 0, 8, 8
	802.11ax (HE20) 52-tone RU	CDD	64, 100, 140, 144	BPSK	MCS0	40, 37, 40, 40
	802.11ax (HE20) 106-tone RU	CDD	64, 100, 140, 144	BPSK	MCS0	54, 53, 54, 54
	802.11ax (HE20) Full RU	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	CDD	58, 106, 122, 138	BPSK	MCS0	NA
	802.11ax (HE160) Full RU	CDD	50, 114	BPSK	MCS0	NA
RF Output Power	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) 26-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE20) Full RU	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE160) Full RU	CDD & Beamforming	50, 114	BPSK	MCS0	NA

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter	RU/MRU Index
Power Spectral Density / Occupied Bandwidth	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) 26-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE20) Full RU	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE160) Full RU	CDD	50, 114	BPSK	MCS0	NA
6 dB Bandwidth	802.11a	CDD	144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) 26-tone RU	CDD	144, 149, 165	BPSK	MCS0	8, 0, 8
	802.11ax (HE20) 52-tone RU	CDD	144, 149, 165	BPSK	MCS0	40, 37, 40
	802.11ax (HE20) 106-tone RU	CDD	144, 149, 165	BPSK	MCS0	54, 53, 54
	802.11ax (HE20) Full RU	CDD	144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	CDD	142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	CDD	138, 155	BPSK	MCS0	NA
AC Power Conducted Emissions	802.11ax (HE40) Full RU	CDD	159	BPSK	MCS0	NA
Unwanted Emissions below 1 GHz	802.11ax (HE40) Full RU	CDD	159	BPSK	MCS0	NA
Unwanted Emissions above 1 GHz	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s	NA
	802.11ax (HE20) 26-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	0, 8, 0, 8, 8, 0, 8
	802.11ax (HE20) 52-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	37, 40, 37, 40, 40, 37, 40
	802.11ax (HE20) 106-tone RU	CDD	36, 64, 100, 140, 144, 149, 165	BPSK	MCS0	53, 54, 53, 54, 54, 53, 54
	802.11ax (HE20) Full RU	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0	NA
	802.11ax (HE40) Full RU	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0	NA
	802.11ax (HE80) Full RU	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0	NA
	802.11ax (HE160) Full RU	CDD	50, 114	BPSK	MCS0	NA

3.5 Duty Cycle of Test Signal

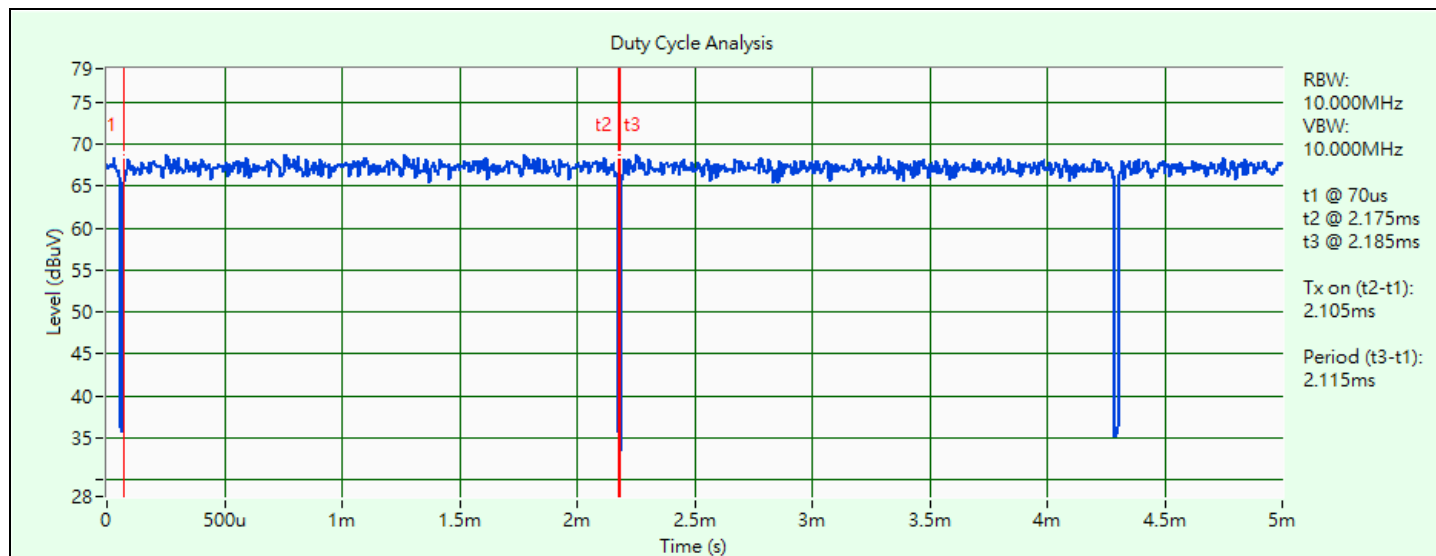
802.11a: Duty cycle = 2.105 ms / 2.115 ms x 100% = 99.5%

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

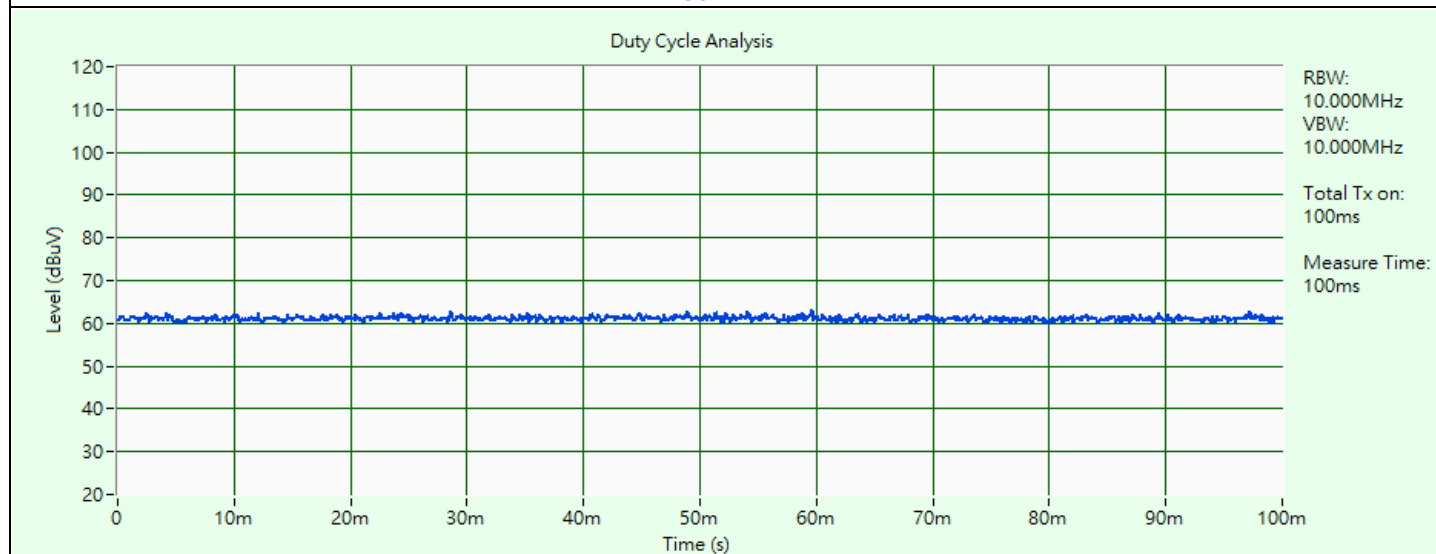
802.11ax (HE40) Full RU: Duty cycle = 100 ms / 100 ms x 100% = 100.0%

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

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

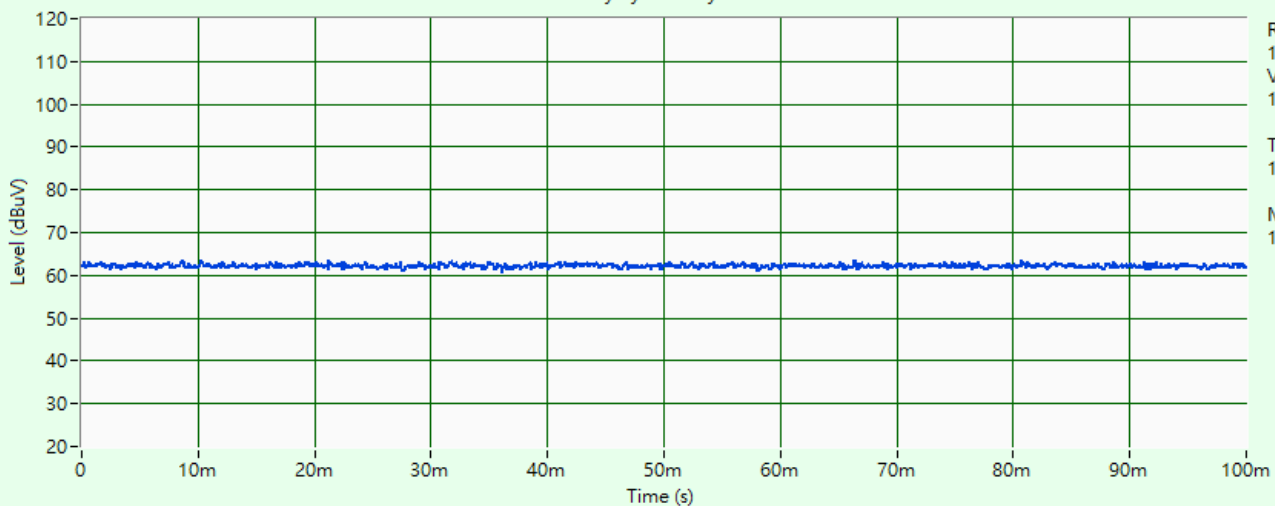


802.11a



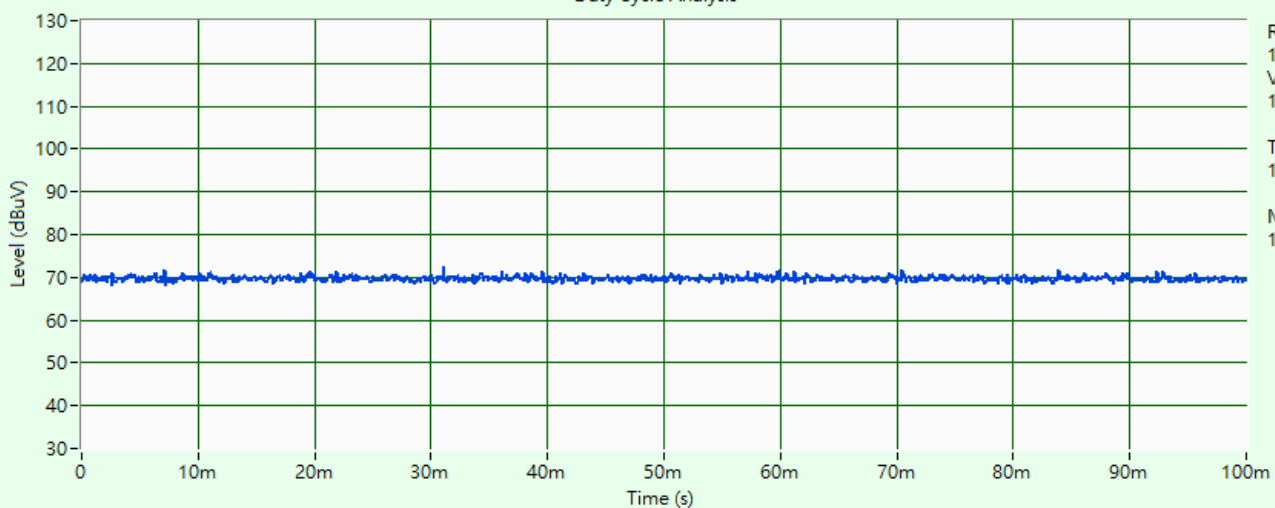
802.11ax (HE20) Full RU

Duty Cycle Analysis



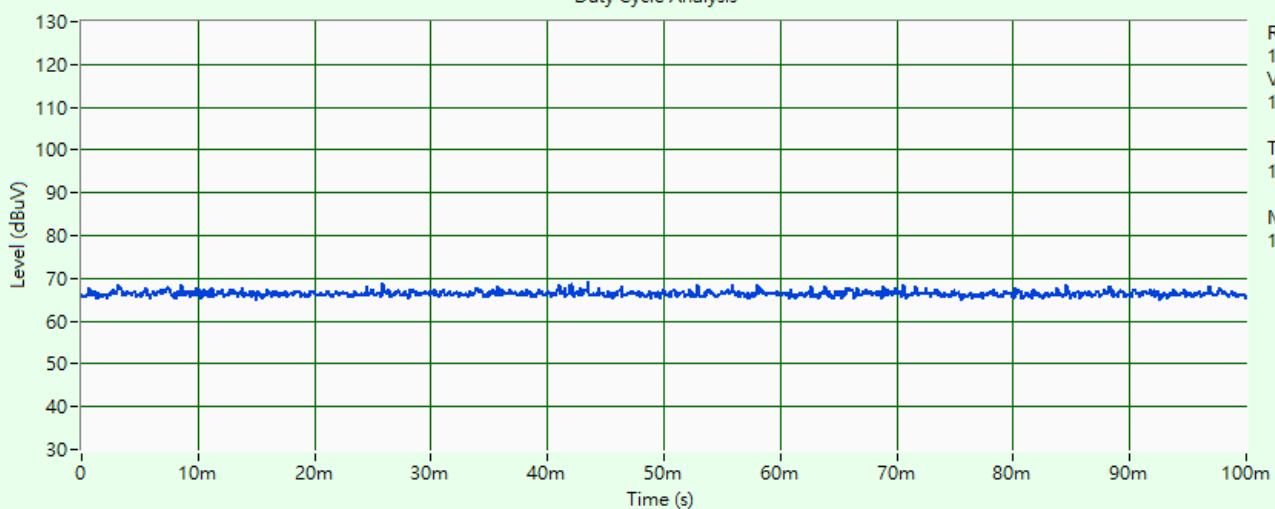
802.11ax (HE40) Full RU

Duty Cycle Analysis



802.11ax (HE80) Full RU

Duty Cycle Analysis



802.11ax (HE160) Full RU

3.6 Test Program Used and Operation Descriptions

Controlling software QRCT V4.0-00211 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



Under Table

3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Adapter	CHANNEL WELL TECHNOLOGY	A1C030AC	NA	NA	Supplied by applicant

No.	Cable Descriptions	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Qty.)	Remark
1.	USB C to C Cable	1	0.92	No	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	FSV3044	101504	2024/6/18	2025/6/17
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/6/3

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
Peak Power Analyzer Keysight	8990B	MY51000485	2025/1/20	2026/1/19
Signal & Spectrum Analyzer R&S	FSV3044	101504	2024/6/18	2025/6/17
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: 2025/6/3

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
EMI Test Receiver R&S	ESR3	102783	2024/12/17	2025/12/16
Fixed Attenuator STI	BNC5W10dB	PAD-COND2-01	2024/8/25	2025/8/24
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_Conf_ 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: 2025/4/18

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	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 Agilent	N9038A	MY51210203	2024/8/27	2025/8/26
Preamplifier EMCI	EMC 330H	980112	2024/9/24	2025/9/23
	EMC001340	980201	2024/9/24	2025/9/23
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2024/9/24	2025/9/23
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2025/4/11

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2024/11/10	2025/11/9
	BBHA 9170	148	2024/11/10	2025/11/9
MXE EMI Receiver Keysight	N9038A	MY55420137	2024/5/8	2025/5/7
Preamplifier EMCI	EMC 012645	980115	2024/9/24	2025/9/23
	EMC 184045	980116	2024/9/24	2025/9/23
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2024/7/6	2025/7/5
	EMC102-KM-KM-3000	150929	2024/7/6	2025/7/5
	EMC104-SM-SM- 8000+3000	171005	2024/9/24	2025/9/23
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	2024/9/24	2025/9/23
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2025/4/8 ~ 2025/4/28

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(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.

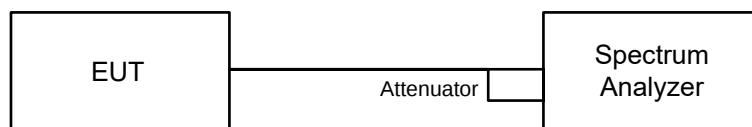
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

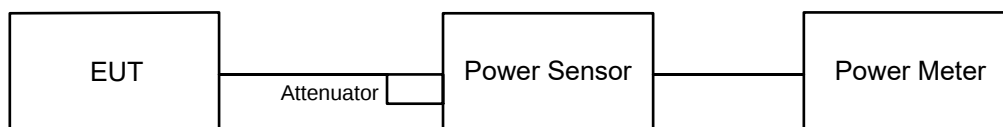


6.1.2 Test Procedure

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the 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:

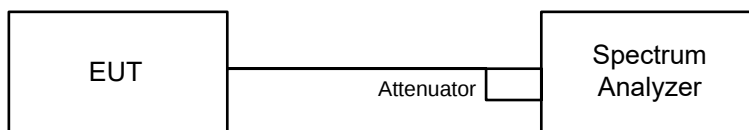
Method SA-1

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

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

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

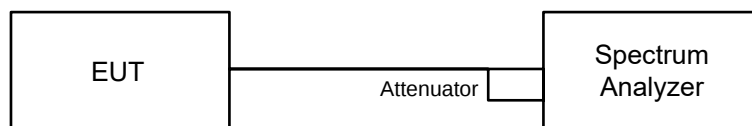
For specified measurement bandwidth 500 kHz:

Method SA-1

- Set span to encompass the entire 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 $\leq \text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

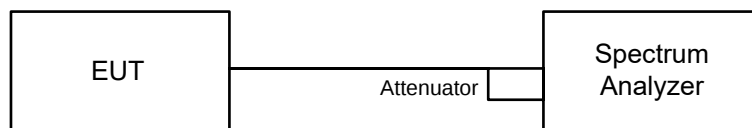


6.4.2 Test Procedure

- Set resolution bandwidth (RBW) = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$, 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

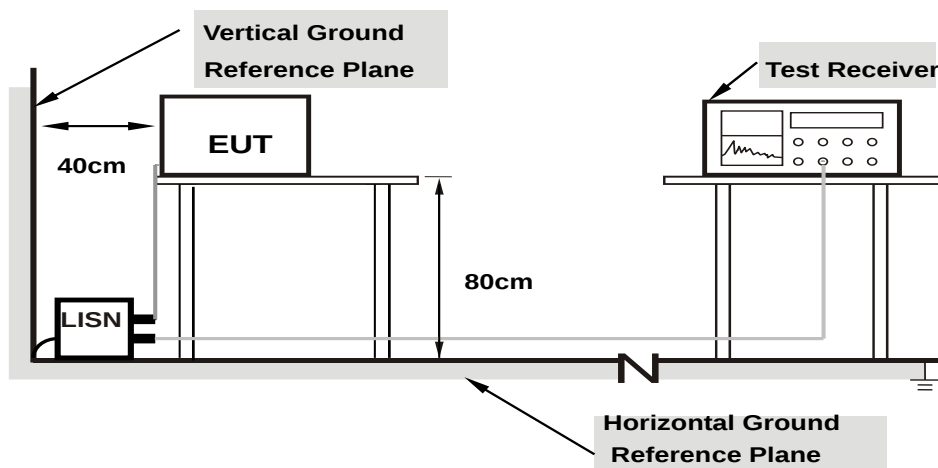


6.5.2 Test Procedure

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

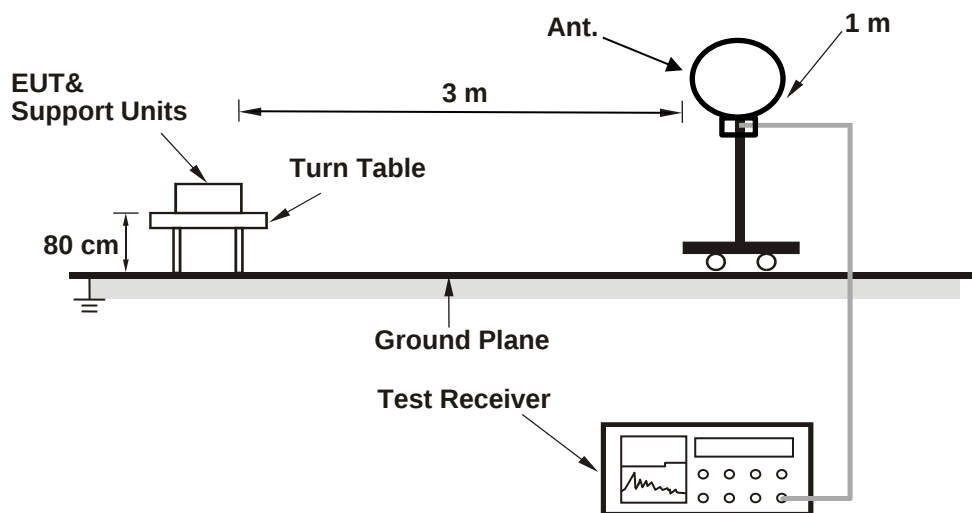
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

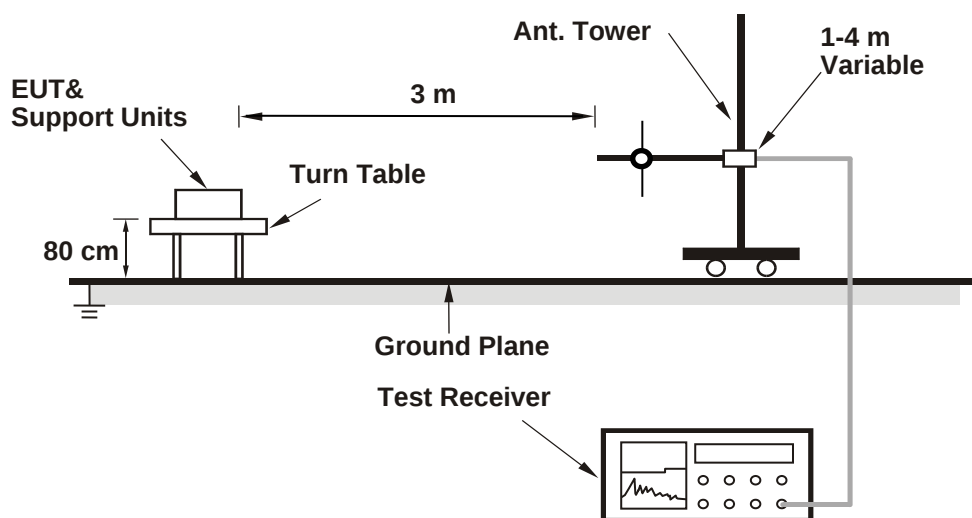
6.7 Unwanted Emissions below 1 GHz

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

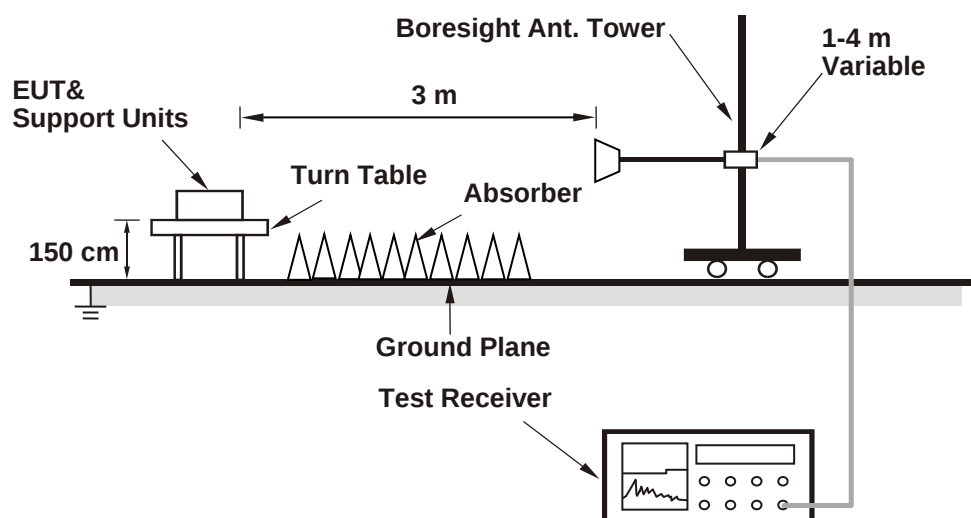
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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:	3.85 Vdc	Environmental Conditions:	24°C, 64% RH	Tested By:	Match Tsui
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.71	18.72
60	5300	18.59	19.76
64	5320	18.57	18.66
100	5500	18.65	18.65
116	5580	18.67	18.74
140	5700	19.99	18.61
144 (U-NII-2C)	5720	14.39	14.50
144 (U-NII-3)	5720	4.18	5.63

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	18.71	23.72 < 24
60	5300	18.59	23.69 < 24
64	5320	18.57	23.68 < 24
100	5500	18.65	23.7 < 24
116	5580	18.67	23.71 < 24
140	5700	18.61	23.69 < 24
144 (U-NII-2C)	5720	14.39	22.58 < 24

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

802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	20.11	20.17
100	5500	20.67	20.86
140	5700	20.17	20.15
144 (U-NII-2C)	5720	14.15	14.14
144 (U-NII-3)	5720	6.03	6.02

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	20.11	24.03 > 24
100	5500	20.67	24.15 > 24
140	5700	20.15	24.04 > 24
144 (U-NII-2C)	5720	14.14	22.5 < 24

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

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	20.56	20.62
100	5500	20.99	20.88
140	5700	20.47	20.47
144 (U-NII-2C)	5720	14.26	14.30
144 (U-NII-3)	5720	6.28	6.27

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	20.56	24.13 > 24
100	5500	20.88	24.19 > 24
140	5700	20.47	24.11 > 24
144 (U-NII-2C)	5720	14.26	22.54 < 24

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

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
64	5320	20.53	22.82
100	5500	20.96	20.93
140	5700	20.24	20.36
144 (U-NII-2C)	5720	14.42	14.44
144 (U-NII-3)	5720	5.84	10.30

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
64	5320	20.53	24.12 > 24
100	5500	20.93	24.2 > 24
140	5700	20.24	24.06 > 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.

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	23.67	24.61
60	5300	26.16	26.75
64	5320	26.36	27.72
100	5500	21.14	22.75
116	5580	23.68	23.17
140	5700	21.62	22.65
144 (U-NII-2C)	5720	15.39	15.36
144 (U-NII-3)	5720	5.36	5.31

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	23.67	24.74 > 24
60	5300	26.16	25.17 > 24
64	5320	26.36	25.2 > 24
100	5500	21.14	24.25 > 24
116	5580	23.17	24.64 > 24
140	5700	21.62	24.34 > 24
144 (U-NII-2C)	5720	15.36	22.86 < 24

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

802.11ax (HE40) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.72	43.53
62	5310	49.94	50.79
102	5510	40.70	40.68
110	5550	40.76	40.89
134	5670	44.76	50.78
142 (U-NII-2C)	5710	35.18	35.21
142 (U-NII-3)	5710	5.16	5.18

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	40.72	27.09 > 24
62	5310	49.94	27.98 > 24
102	5510	40.68	27.09 > 24
110	5550	40.76	27.1 > 24
134	5670	44.76	27.5 > 24
142 (U-NII-2C)	5710	35.18	26.46 > 24

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

802.11ax (HE80) Full RU

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.09	95.73
106	5530	82.62	82.20
122	5610	93.37	103.60
138 (U-NII-2C)	5690	75.94	76.16
138 (U-NII-3)	5690	5.84	6.09

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	83.09	30.19 > 24
106	5530	82.20	30.14 > 24
122	5610	93.37	30.7 > 24
138 (U-NII-2C)	5690	75.94	29.8 > 24

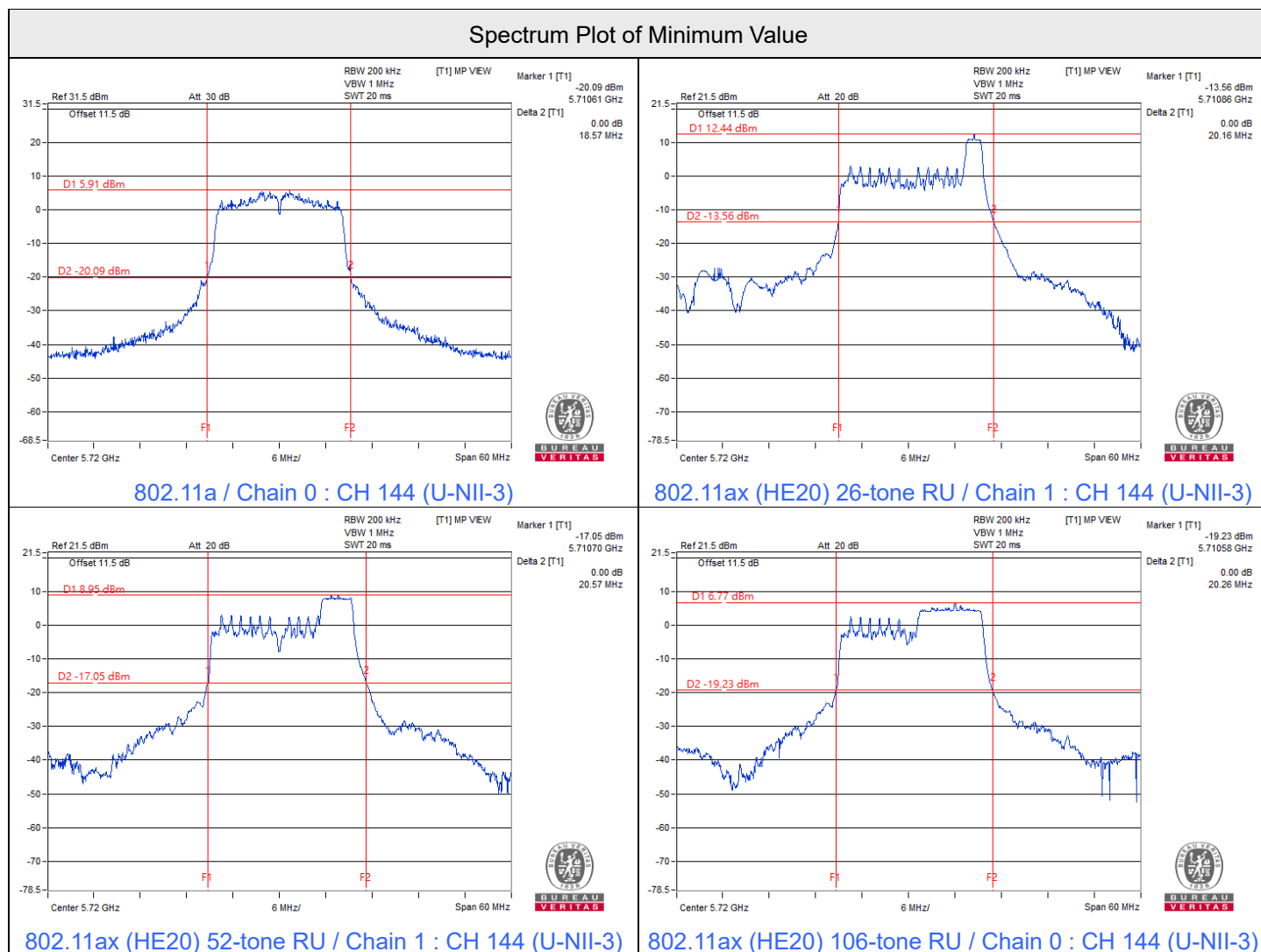
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

802.11ax (HE160) Full RU

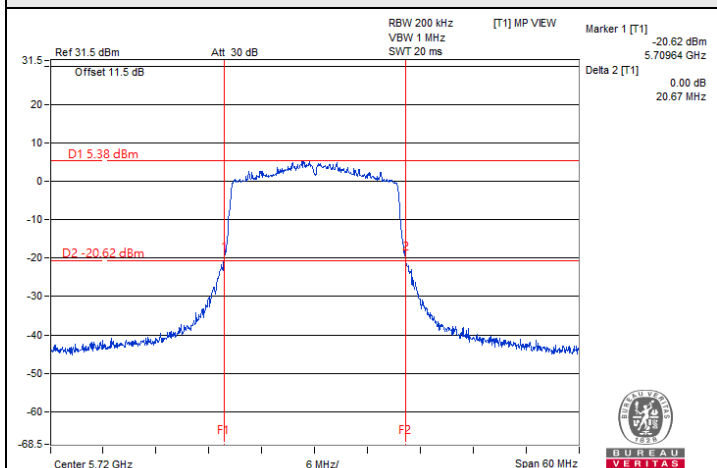
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	82.47	82.03
50 (U-NII-2A)	5250	82.43	82.57
114	5570	198.31	165.70

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	82.43	30.16 > 24
114	5570	165.70	33.19 > 24

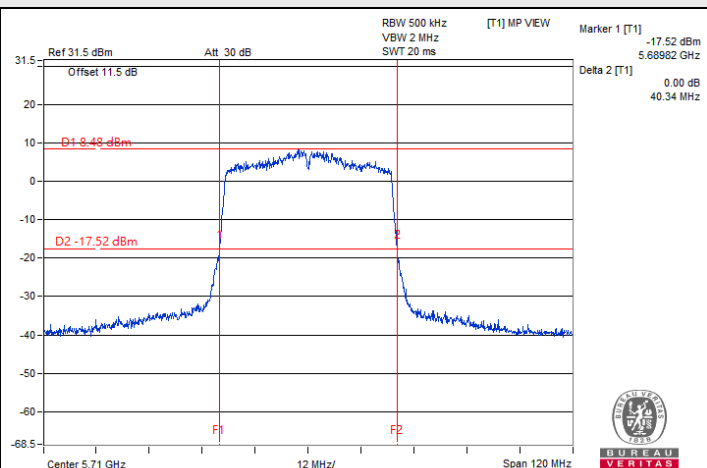
Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.



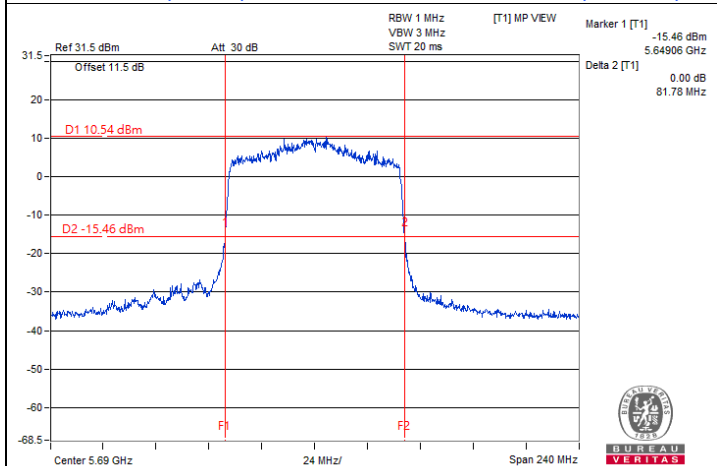
Spectrum Plot of Minimum Value



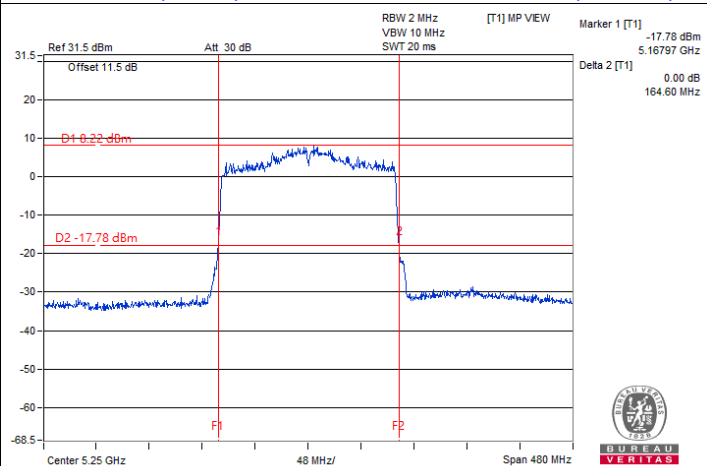
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

Input Power:	3.85 Vdc	Environmental Conditions:	24°C, 64% RH	Tested By:	Match Tsui
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.69	13.66	41.805	16.21	24	Pass
40	5200	12.59	13.85	42.421	16.28	24	Pass
48	5240	12.62	13.86	42.603	16.29	24	Pass
52	5260	12.58	13.89	42.604	16.29	23.72	Pass
60	5300	12.65	13.91	43.011	16.34	23.69	Pass
64	5320	12.97	13.67	43.096	16.34	23.68	Pass
100	5500	13.21	13.38	42.718	16.31	23.7	Pass
116	5580	13.04	13.52	42.628	16.30	23.71	Pass
140	5700	12.98	13.60	42.77	16.31	23.69	Pass
*144 (U-NII-2C)	5720	12.13	12.82	35.473	15.50	22.58	Pass
*144 (U-NII-3)	5720	4.38	4.97	5.882	7.70	30	Pass
149	5745	13.33	13.51	43.967	16.43	30	Pass
157	5785	13.24	13.59	43.942	16.43	30	Pass
165	5825	13.22	13.54	43.584	16.39	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.40	13.41	39.306	15.94	24	Pass
64	5320	12.26	13.11	37.291	15.72	24	Pass
100	5500	12.59	13.14	38.761	15.88	24	Pass
140	5700	12.24	13.26	37.933	15.79	24	Pass
*144 (U-NII-2C)	5720	12.90	13.37	41.225	16.15	22.5	Pass
*144 (U-NII-3)	5720	12.51	13.13	38.383	15.84	30	Pass
149	5745	13.10	13.65	43.591	16.39	30	Pass
165	5825	13.14	13.66	43.834	16.42	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	12.99	13.60	42.815	16.32	24	Pass
64	5320	12.78	13.65	42.141	16.25	24	Pass
100	5500	13.20	13.52	43.384	16.37	24	Pass
140	5700	12.83	13.75	42.9	16.32	24	Pass
*144 (U-NII-2C)	5720	12.96	13.36	41.447	16.17	22.54	Pass
*144 (U-NII-3)	5720	12.51	13.01	37.822	15.78	30	Pass
149	5745	13.10	13.65	43.591	16.39	30	Pass
165	5825	13.12	13.65	43.686	16.40	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.01	13.55	42.645	16.30	24	Pass
64	5320	12.54	13.82	42.046	16.24	24	Pass
100	5500	13.20	13.52	43.384	16.37	24	Pass
140	5700	12.84	13.74	42.89	16.32	24	Pass
*144 (U-NII-2C)	5720	12.77	13.19	39.768	16.00	22.58	Pass
*144 (U-NII-3)	5720	10.21	10.66	22.137	13.45	30	Pass
149	5745	13.10	13.65	43.591	16.39	30	Pass
165	5825	13.12	13.65	43.686	16.40	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	13.04	13.61	43.099	16.34	24	Pass
40	5200	13.04	13.63	43.205	16.36	24	Pass
48	5240	12.98	13.59	42.717	16.31	24	Pass
52	5260	12.71	13.76	42.432	16.28	24	Pass
60	5300	13.10	13.46	42.599	16.29	24	Pass
64	5320	12.56	13.85	42.296	16.26	24	Pass
100	5500	13.23	13.53	43.58	16.39	24	Pass
116	5580	13.23	13.44	43.118	16.35	24	Pass
140	5700	12.86	13.76	43.088	16.34	24	Pass
*144 (U-NII-2C)	5720	11.99	12.72	34.519	15.38	22.86	Pass
*144 (U-NII-3)	5720	5.23	5.94	7.261	8.61	30	Pass
149	5745	13.11	13.68	43.799	16.41	30	Pass
157	5785	13.17	13.67	44.03	16.44	30	Pass
165	5825	13.15	13.67	43.935	16.43	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	12.64	13.92	43.026	16.34	24	Pass
46	5230	12.72	13.76	42.475	16.28	24	Pass
54	5270	12.55	13.86	42.311	16.26	24	Pass
62	5310	12.62	13.78	42.159	16.25	24	Pass
102	5510	13.10	13.59	43.273	16.36	24	Pass
110	5550	13.05	13.69	43.572	16.39	24	Pass
134	5670	13.08	13.61	43.285	16.36	24	Pass
*142 (U-NII-2C)	5710	12.79	13.17	39.76	15.99	24	Pass
*142 (U-NII-3)	5710	1.52	2.20	3.079	4.88	30	Pass
151	5755	13.31	13.53	43.971	16.43	30	Pass
159	5795	13.22	13.74	44.649	16.50	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	12.75	13.88	43.271	16.36	24	Pass
58	5290	12.63	13.87	42.701	16.30	24	Pass
106	5530	13.21	13.52	43.432	16.38	24	Pass
122	5610	13.04	13.58	42.941	16.33	24	Pass
*138 (U-NII-2C)	5690	12.96	13.44	41.85	16.22	24	Pass
*138 (U-NII-3)	5690	-2.74	-2.27	1.125	0.51	30	Pass
155	5775	13.26	13.58	43.987	16.43	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160) Full RU

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	8.08	9.23	14.802	11.70	24	Pass
*50 (U-NII-2A)	5250	8.35	9.52	15.793	11.98	24	Pass
114	5570	12.16	12.81	35.542	15.51	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 2.5 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 2.21 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 2.23 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.02	10.55	21.396	13.30	24	Pass
40	5200	9.96	10.60	21.39	13.30	24	Pass
48	5240	9.95	10.58	21.314	13.29	24	Pass
52	5260	9.65	10.74	21.083	13.24	24	Pass
60	5300	10.09	10.45	21.301	13.28	24	Pass
64	5320	9.46	10.81	20.881	13.20	24	Pass
100	5500	10.18	10.47	21.566	13.34	24	Pass
116	5580	10.21	10.39	21.435	13.31	24	Pass
140	5700	9.84	10.75	21.523	13.33	24	Pass
*144 (U-NII-2C)	5720	8.93	9.68	17.106	12.33	22.86	Pass
*144 (U-NII-3)	5720	2.18	2.88	3.593	5.55	30	Pass
149	5745	10.07	10.59	21.618	13.35	30	Pass
157	5785	10.12	10.63	21.841	13.39	30	Pass
165	5825	10.10	10.63	21.794	13.38	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 5.49 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	9.59	10.87	21.317	13.29	24	Pass
46	5230	9.68	10.71	21.066	13.24	24	Pass
54	5270	9.54	10.84	21.129	13.25	24	Pass
62	5310	9.54	10.69	20.717	13.16	24	Pass
102	5510	10.07	10.53	21.46	13.32	24	Pass
110	5550	10.02	10.63	21.607	13.35	24	Pass
134	5670	10.05	10.57	21.518	13.33	24	Pass
*142 (U-NII-2C)	5710	9.71	10.13	19.658	12.94	24	Pass
*142 (U-NII-3)	5710	-1.53	-0.83	1.5291	1.84	30	Pass
151	5755	10.27	10.51	21.887	13.40	30	Pass
159	5795	10.19	10.70	22.196	13.46	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 5.49 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	9.69	10.85	21.473	13.32	24	Pass
58	5290	9.57	10.77	20.997	13.22	24	Pass
106	5530	10.19	10.47	21.59	13.34	24	Pass
122	5610	9.98	10.54	21.278	13.28	24	Pass
*138 (U-NII-2C)	5690	9.91	10.37	20.684	13.16	24	Pass
*138 (U-NII-3)	5690	-5.77	-5.32	0.5586	-2.53	30	Pass
155	5775	10.24	10.54	21.892	13.40	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 5.49 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the output power limit shall not be reduced.

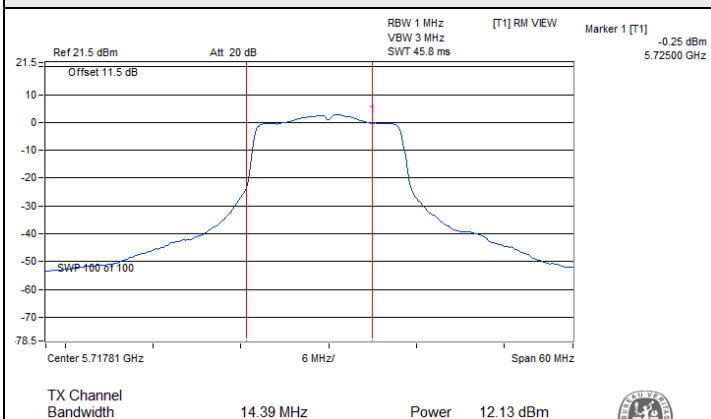
802.11ax (HE160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	5.02	6.12	7.269	8.61	24	Pass
*50 (U-NII-2A)	5250	5.29	6.47	7.817	8.93	24	Pass
114	5570	9.10	9.78	17.634	12.46	24	Pass

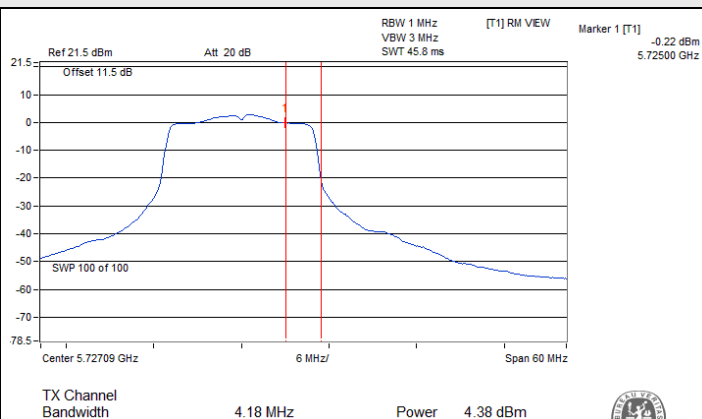
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 5.49 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the output power limit shall not be reduced.

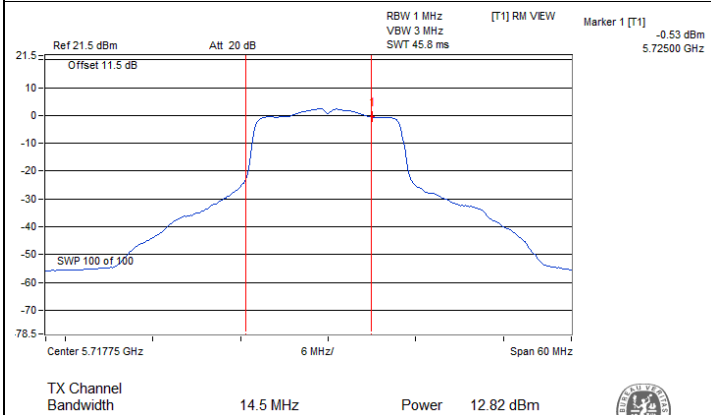
Spectrum Plot for channel straddling



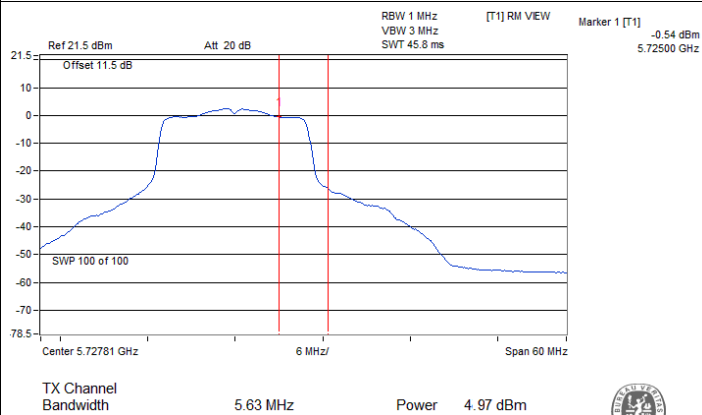
802.11a / Chain 0 : CH 144 (U-NII-2C)



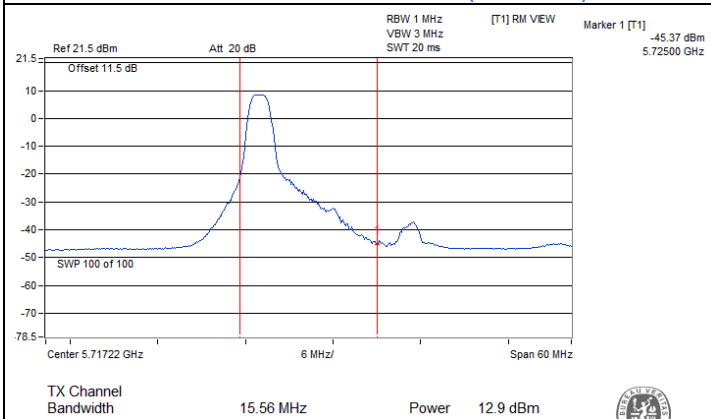
802.11a / Chain 0 : CH 144 (U-NII-3)



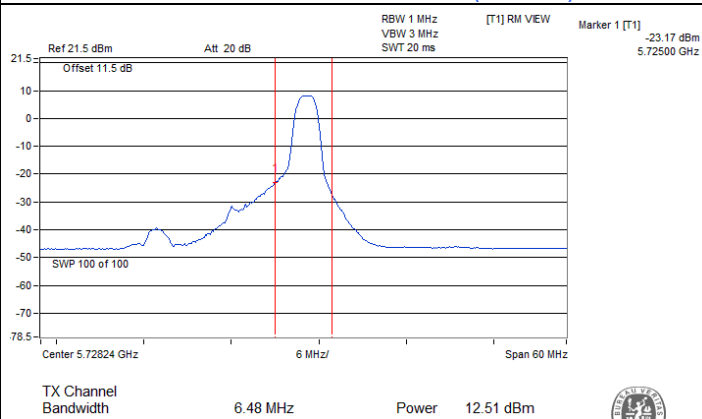
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

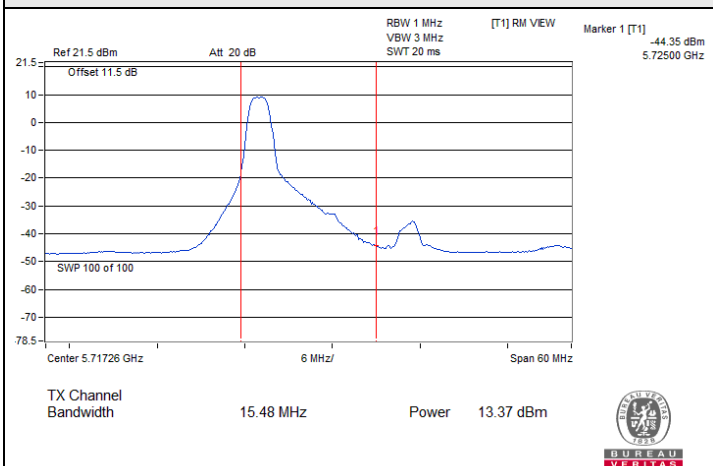


802.11ax (HE20) 26-tone RU / Chain 0 : CH 144 (U-NII-2C)

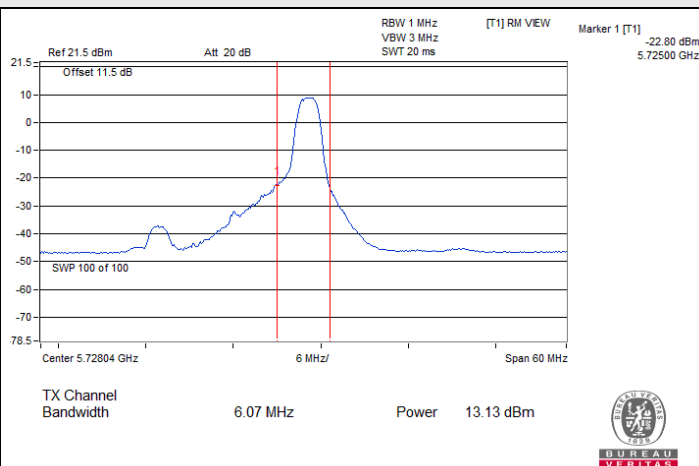


802.11ax (HE20) 26-tone RU / Chain 0 : CH 144 (U-NII-3)

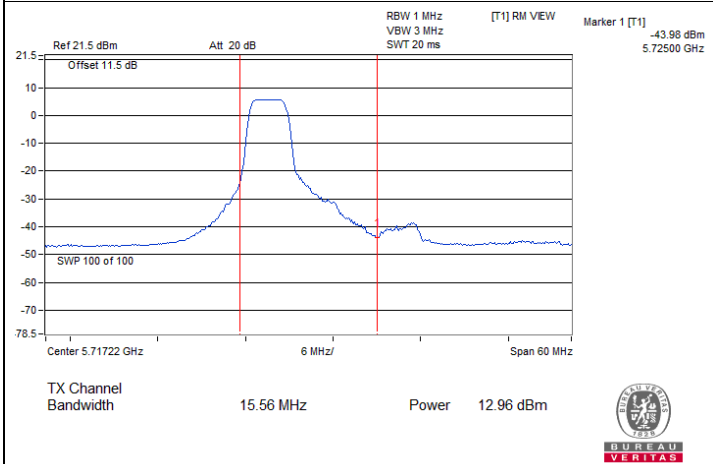
Spectrum Plot for channel straddling



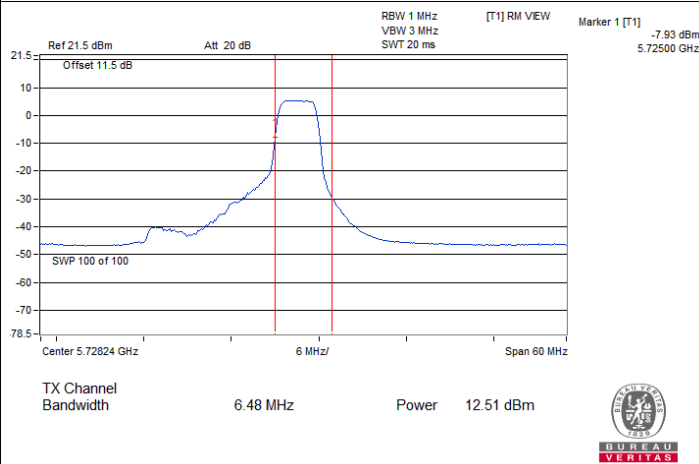
802.11ax (HE20) 26-tone RU / Chain 1 : CH 144 (U-NII-2C)



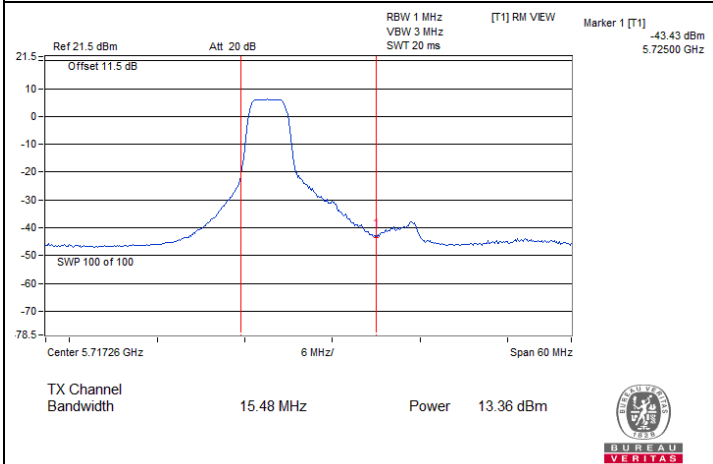
802.11ax (HE20) 26-tone RU / Chain 1 : CH 144 (U-NII-3)



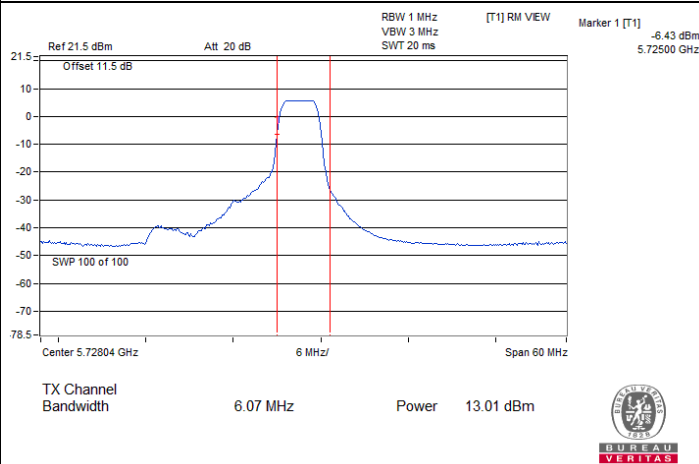
802.11ax (HE20) 52-tone RU / Chain 0 : CH 144 (U-NII-2C)



802.11ax (HE20) 52-tone RU / Chain 0 : CH 144 (U-NII-3)

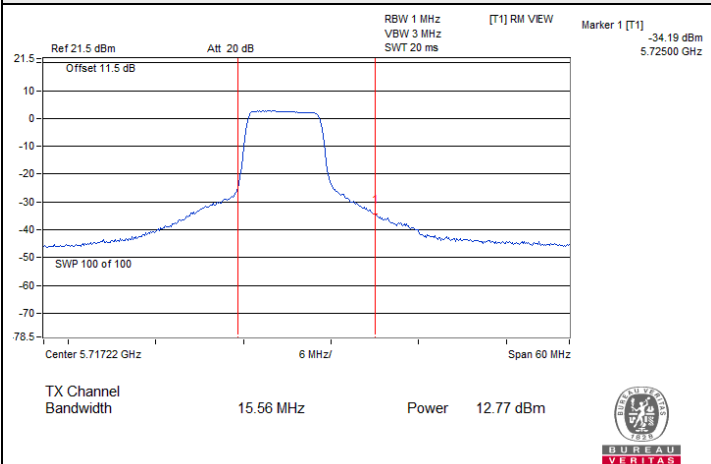


802.11ax (HE20) 52-tone RU / Chain 1 : CH 144 (U-NII-2C)

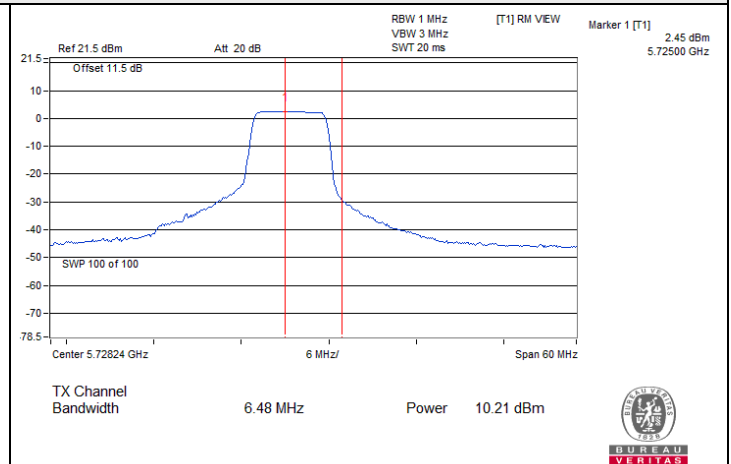


802.11ax (HE20) 52-tone RU / Chain 1 : CH 144 (U-NII-3)

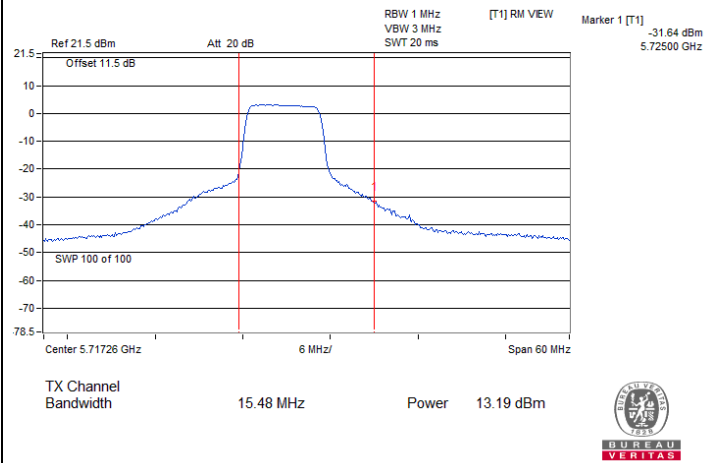
Spectrum Plot for channel straddling



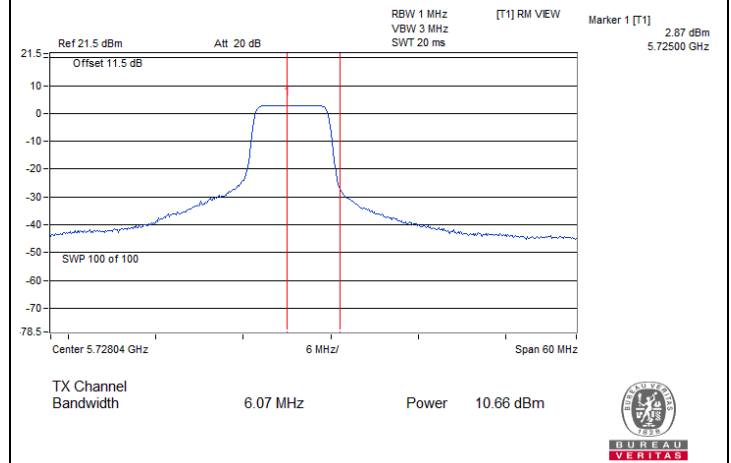
802.11ax (HE20) 106-tone RU / Chain 0 : CH 144 (U-NII-2C)



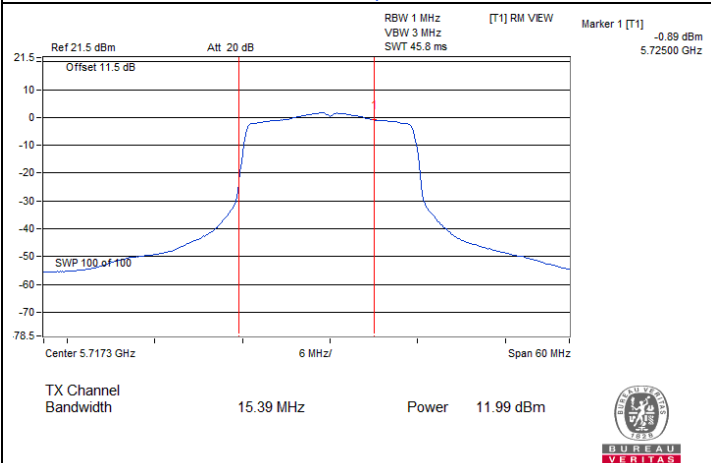
802.11ax (HE20) 106-tone RU / Chain 0 : CH 144 (U-NII-3)



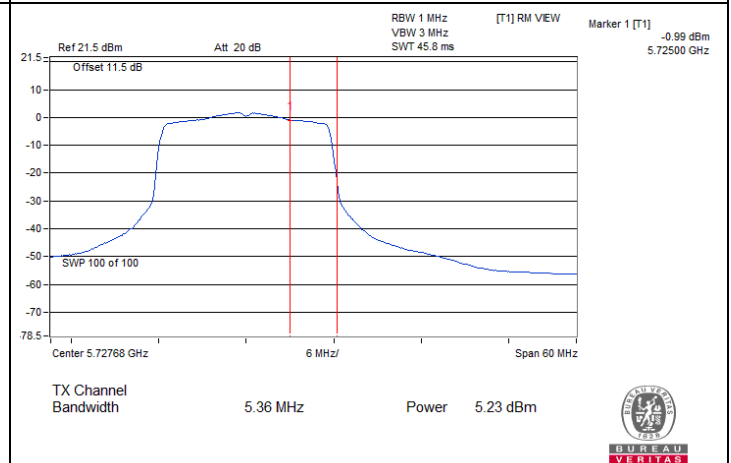
802.11ax (HE20) 106-tone RU / Chain 1 : CH 144 (U-NII-2C)



802.11ax (HE20) 106-tone RU / Chain 1 : CH 144 (U-NII-3)

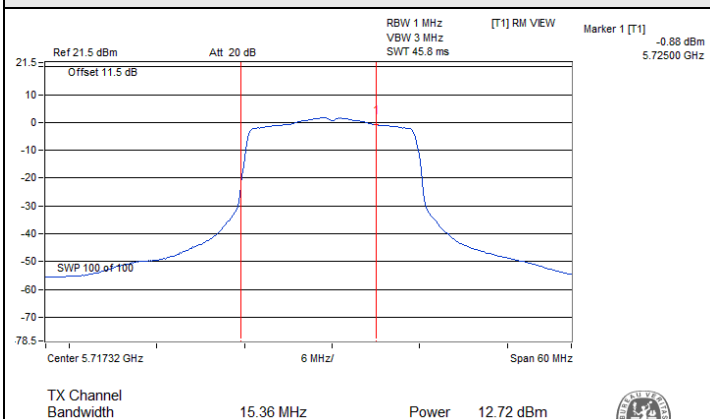


802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-2C)

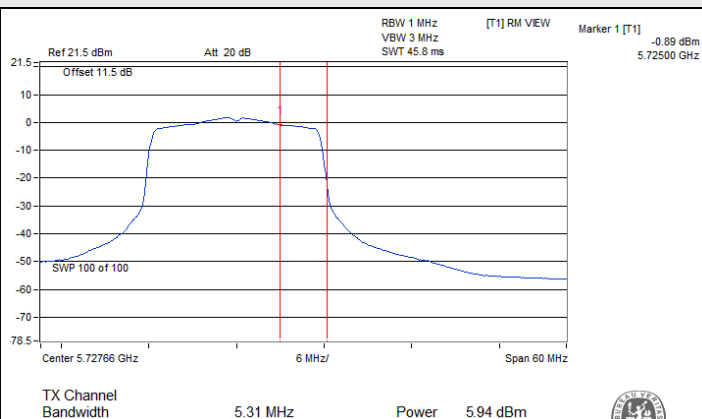


802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-3)

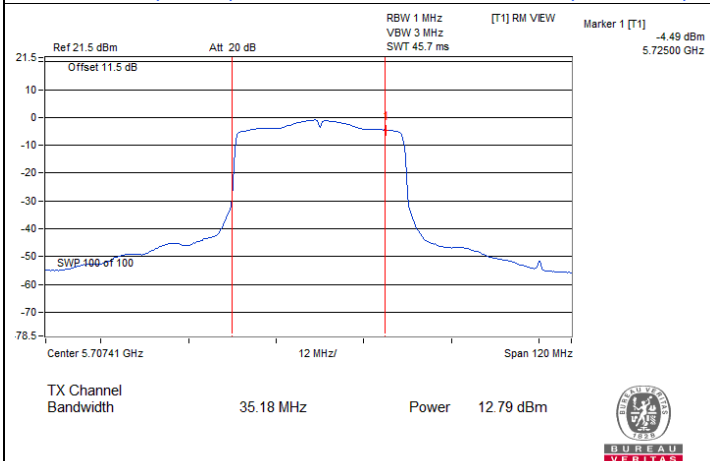
Spectrum Plot for channel straddling



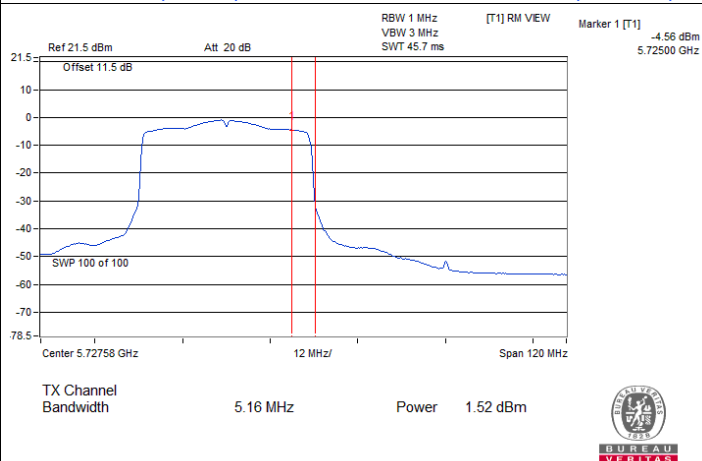
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-2C)



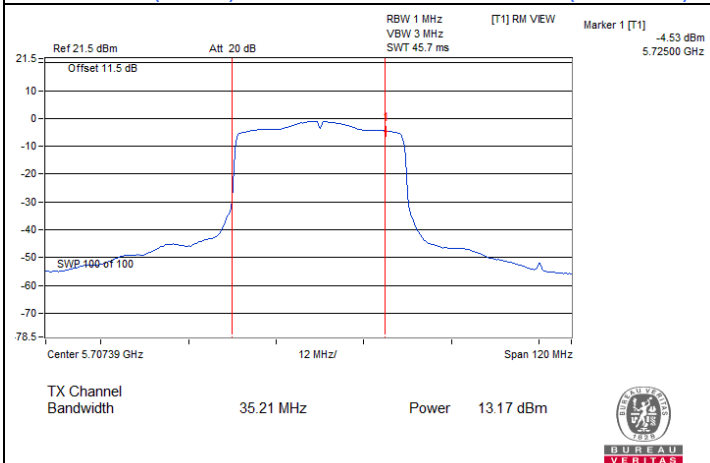
802.11ax (HE20) Full RU / Chain 1 : CH 144 (U-NII-3)



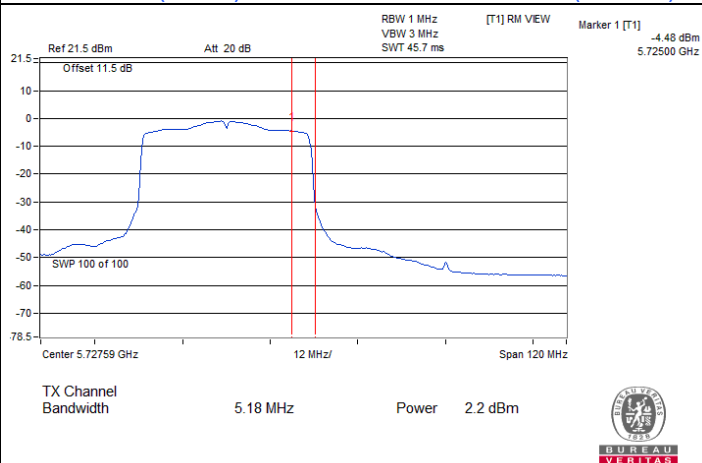
802.11ax (HE40) Full RU / Chain 0 : CH 142 (U-NII-2C)



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

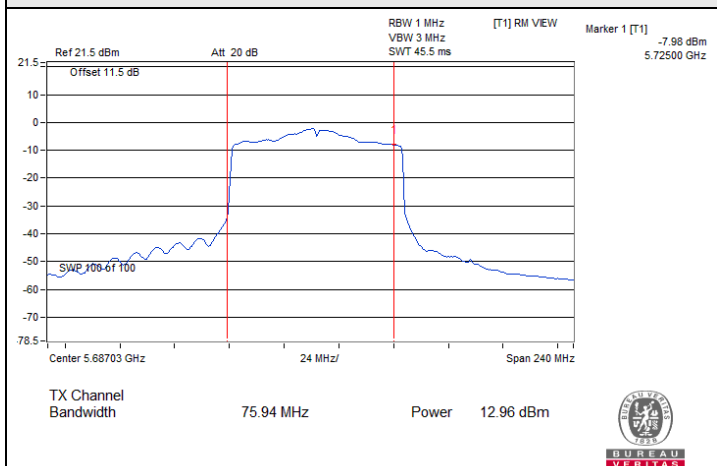


802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-2C)

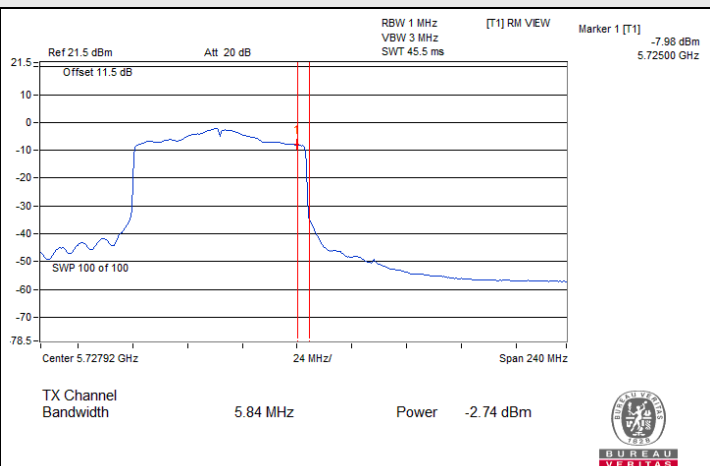


802.11ax (HE40) Full RU / Chain 1 : CH 142 (U-NII-3)

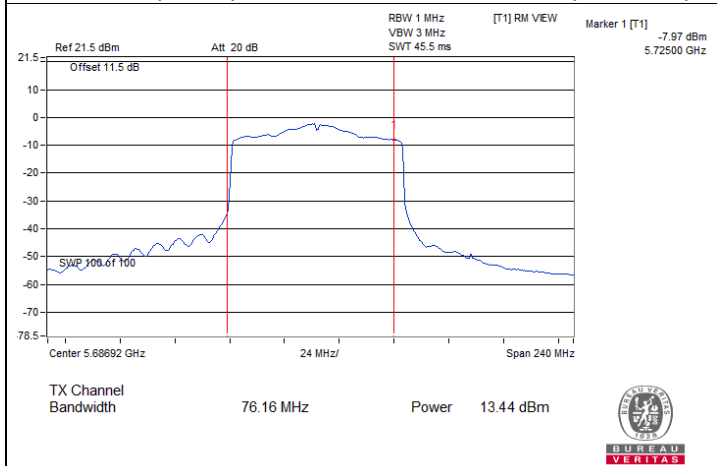
Spectrum Plot for channel straddling



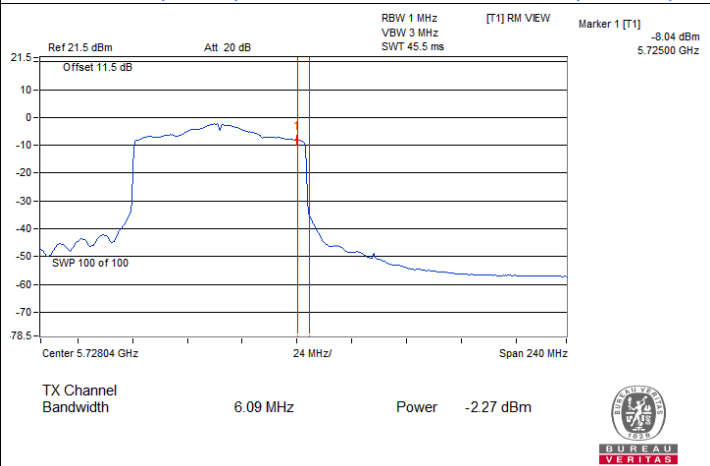
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-2C)



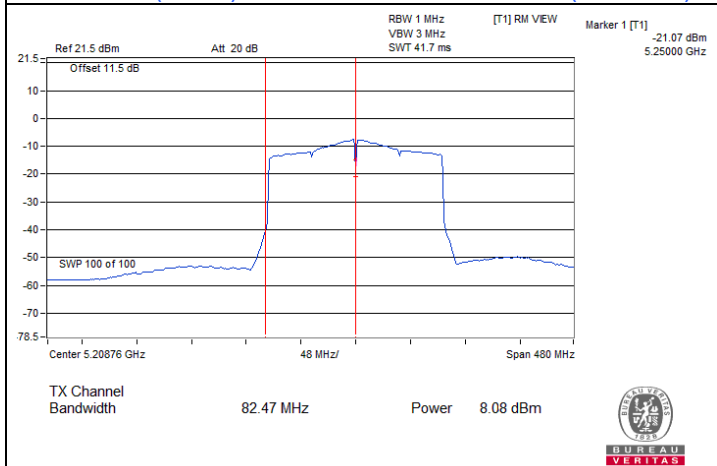
802.11ax (HE80) Full RU / Chain 0 : CH 138 (U-NII-3)



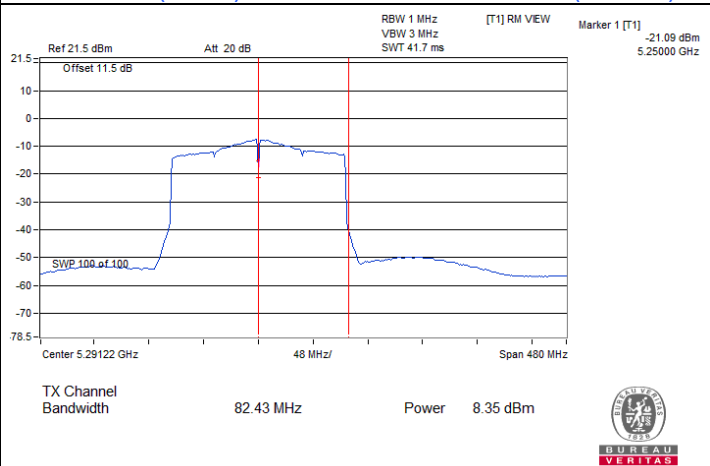
802.11ax (HE80) Full RU / Chain 1 : CH 138 (U-NII-2C)



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

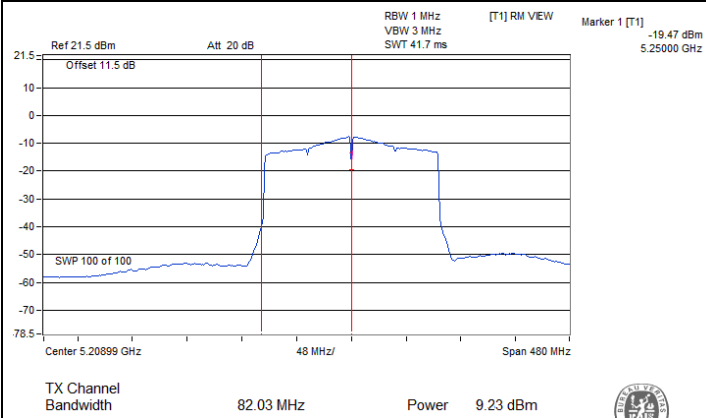


802.11ax (HE160) Full RU / Chain 0 : CH 50 (U-NII-1)

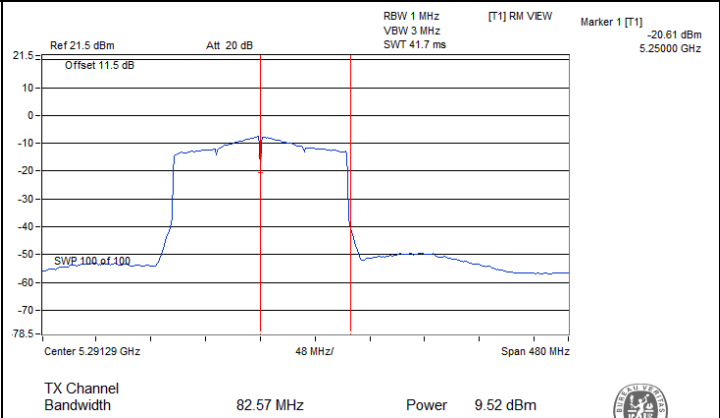


802.11ax (HE160) Full RU / Chain 0 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



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



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

7.3 Power Spectral Density

Input Power:	3.85 Vdc	Environmental Conditions:	24°C, 64% RH	Tested By:	Match Tsui
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-0.09	0.61	3.28	11	Pass
40	5200	-0.23	0.89	3.38	11	Pass
48	5240	-0.16	0.96	3.45	11	Pass
52	5260	-0.30	0.78	3.28	11	Pass
60	5300	-0.27	1.05	3.45	11	Pass
64	5320	-0.03	0.76	3.39	11	Pass
100	5500	0.27	0.46	3.38	11	Pass
116	5580	0.14	0.58	3.38	11	Pass
140	5700	0.00	0.68	3.36	11	Pass
144 (U-NII-2C)	5720	0.23	0.68	3.47	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.23 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.43	8.19	10.84	11	Pass
64	5320	7.65	8.25	10.97	11	Pass
100	5500	7.51	8.00	10.77	11	Pass
140	5700	7.47	7.89	10.70	11	Pass
144 (U-NII-2C)	5720	7.57	8.36	10.99	11	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
- For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
- For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	6.52	7.10	9.83	11	Pass
64	5320	6.52	6.80	9.67	11	Pass
100	5500	6.61	7.13	9.89	11	Pass
140	5700	6.49	7.10	9.82	11	Pass
144 (U-NII-2C)	5720	5.50	5.98	8.76	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	3.63	4.03	6.84	11	Pass
64	5320	3.55	4.02	6.80	11	Pass
100	5500	3.84	4.20	7.03	11	Pass
140	5700	3.71	4.02	6.88	11	Pass
144 (U-NII-2C)	5720	2.56	3.06	5.83	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	0.10	0.64	3.39	11	Pass
40	5200	0.08	0.71	3.42	11	Pass
48	5240	0.07	0.69	3.40	11	Pass
52	5260	-0.19	0.90	3.40	11	Pass
60	5300	0.00	0.53	3.28	11	Pass
64	5320	-0.36	0.91	3.33	11	Pass
100	5500	0.23	0.63	3.44	11	Pass
116	5580	0.31	0.52	3.43	11	Pass
140	5700	0.02	0.87	3.48	11	Pass
144 (U-NII-2C)	5720	1.62	1.47	4.56	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-3.17	-2.07	0.43	11	Pass
46	5230	-3.05	-2.17	0.42	11	Pass
54	5270	-3.23	-2.15	0.35	11	Pass
62	5310	-3.22	-2.16	0.35	11	Pass
102	5510	-2.78	-2.11	0.58	11	Pass
110	5550	-2.83	-2.24	0.49	11	Pass
134	5670	-2.86	-2.27	0.46	11	Pass
142 (U-NII-2C)	5710	-2.71	-2.28	0.52	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-6.22	-4.86	-2.48	11	Pass
58	5290	-6.25	-5.10	-2.63	11	Pass
106	5530	-5.69	-5.35	-2.51	11	Pass
122	5610	-5.65	-5.34	-2.48	11	Pass
138 (U-NII-2C)	5690	-5.60	-5.28	-2.43	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE160) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
50 (U-NII-1)	5250	-11.13	-9.98	-7.51	11	Pass
50 (U-NII-2A)	5250	-10.51	-9.36	-6.89	11	Pass
114	5570	-9.70	-9.05	-6.35	11	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-1, the directional gain is 5.49 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 5.1 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-11.33	-10.25	-7.75	-5.53	30	Pass
149	5745	-6.91	-6.32	-3.59	-1.37	30	Pass
157	5785	-6.24	-6.82	-3.51	-1.29	30	Pass
165	5825	-7.01	-6.47	-3.72	-1.50	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 26-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-0.78	0.04	2.66	4.88	30	Pass
149	5745	-0.22	0.13	2.97	5.19	30	Pass
165	5825	0.32	0.72	3.53	5.75	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 52-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-4.00	-3.57	-0.77	1.45	30	Pass
149	5745	-1.84	-1.11	1.55	3.77	30	Pass
165	5825	-3.10	-2.62	0.16	2.38	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) 106-tone RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-6.78	-6.36	-3.55	-1.33	30	Pass
149	5745	-4.78	-4.34	-1.54	0.68	30	Pass
165	5825	-5.69	-4.78	-2.2	0.02	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-10.10	-10.22	-7.15	-4.93	30	Pass
149	5745	-7.97	-7.54	-4.74	-2.52	30	Pass
157	5785	-7.92	-7.45	-4.67	-2.45	30	Pass
165	5825	-7.66	-7.13	-4.38	-2.16	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-16.11	-15.07	-12.55	-10.33	30	Pass
151	5755	-10.75	-10.41	-7.57	-5.35	30	Pass
159	5795	-10.98	-10.34	-7.64	-5.42	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

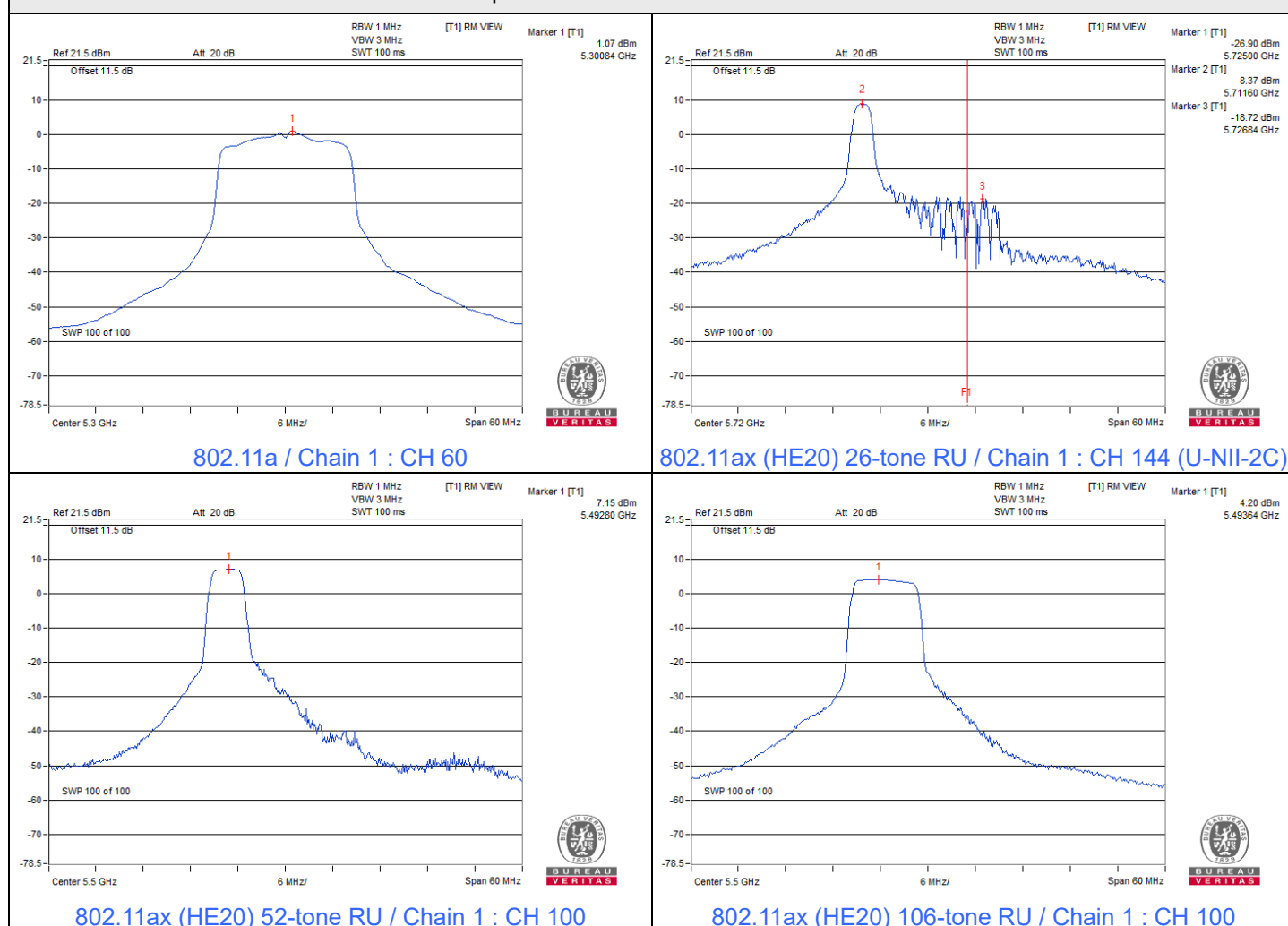
802.11ax (HE80) Full RU

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-19.47	-20.03	-16.73	-14.51	30	Pass
155	5775	-12.32	-12.29	-9.29	-7.07	30	Pass

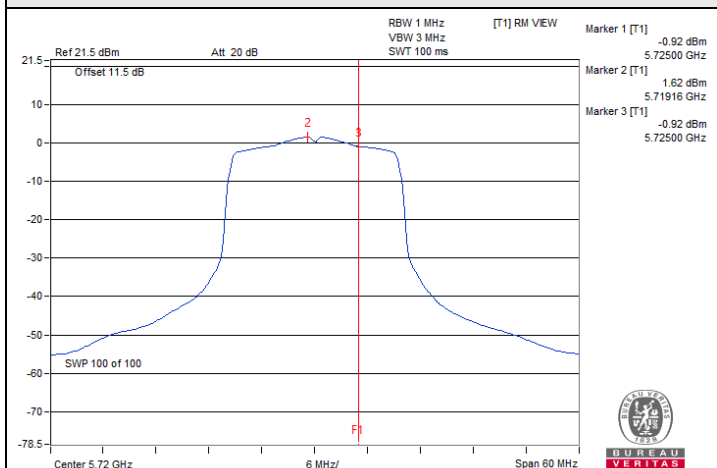
Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 4.71 dBi < 6 dBi, so the power density limit shall not be reduced.

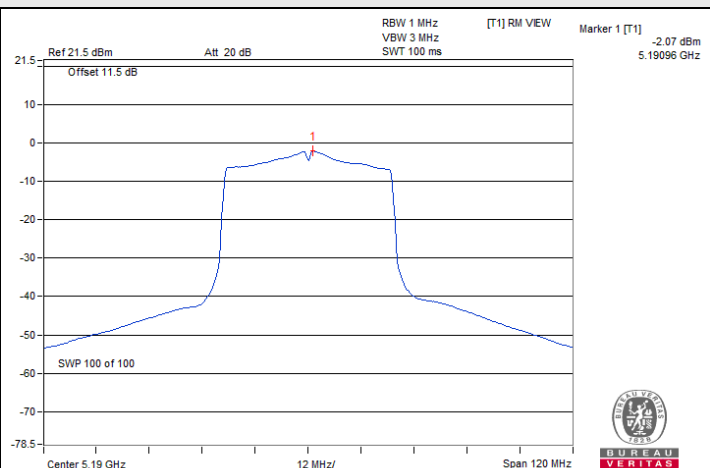
Spectrum Plot of Maximum Value



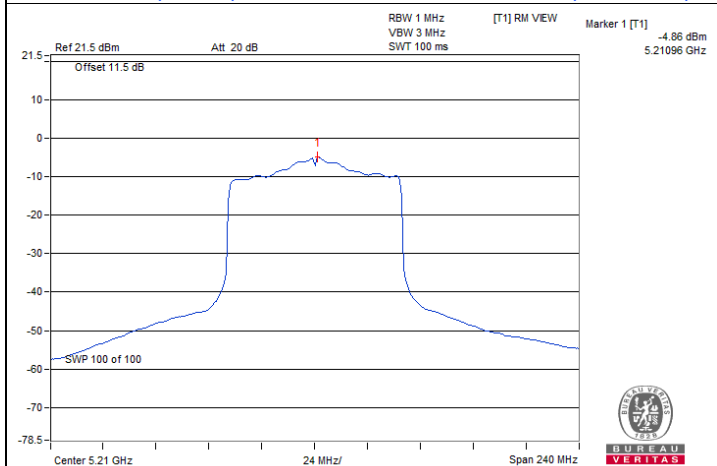
Spectrum Plot of Maximum Value



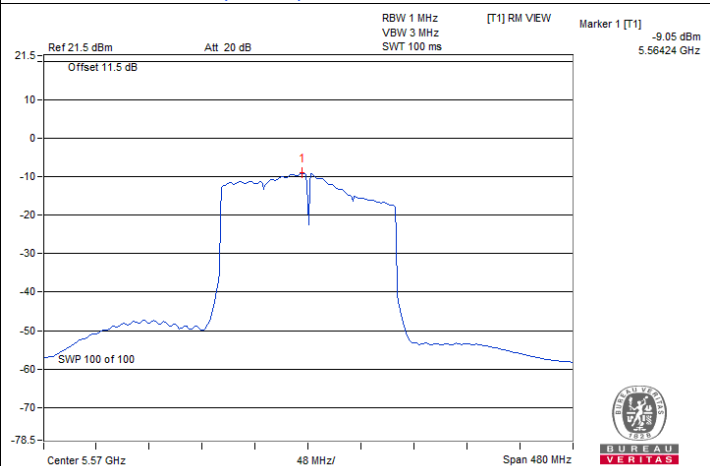
802.11ax (HE20) Full RU / Chain 0 : CH 144 (U-NII-2C)



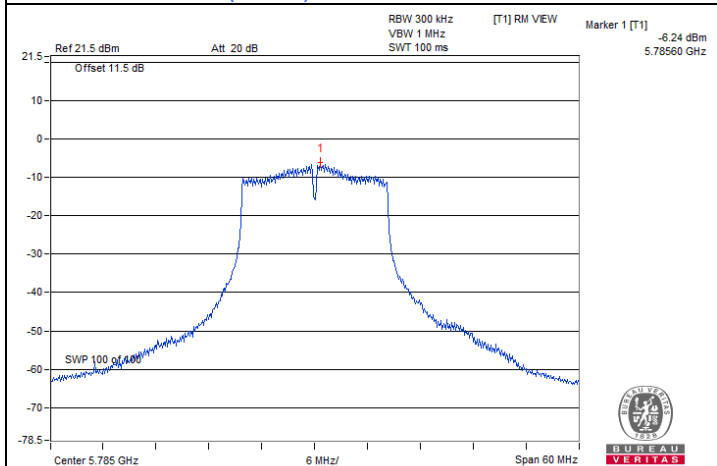
802.11ax (HE40) Full RU / Chain 1 : CH 38



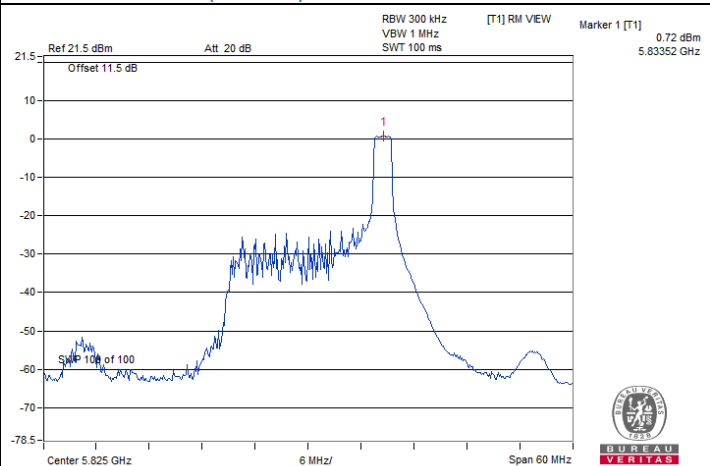
802.11ax (HE80) Full RU / Chain 1 : CH 42



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

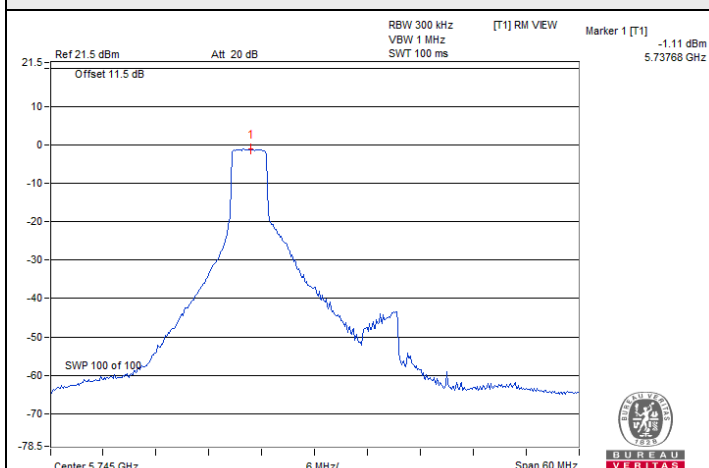


802.11a / Chain 0 : CH 157

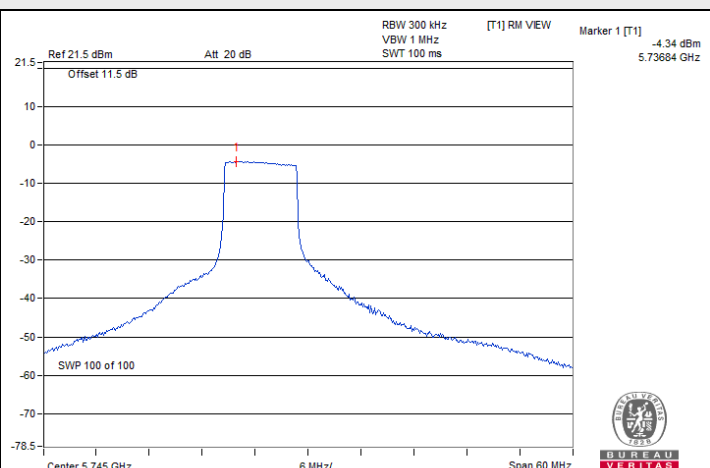


802.11ax (HE20) 26-tone RU / Chain 1 : CH 165

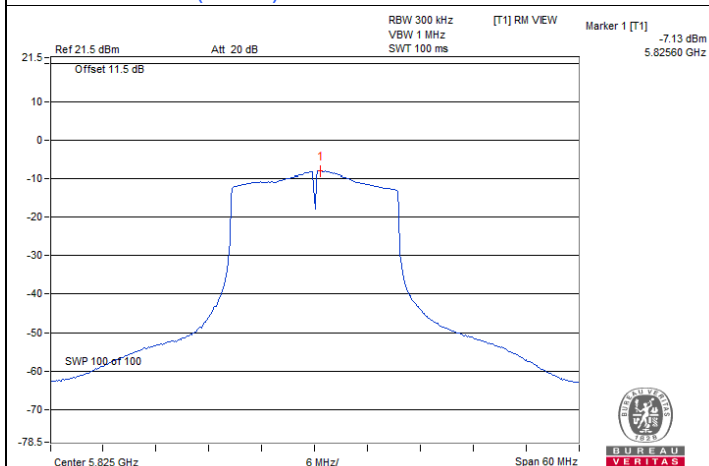
Spectrum Plot of Maximum Value



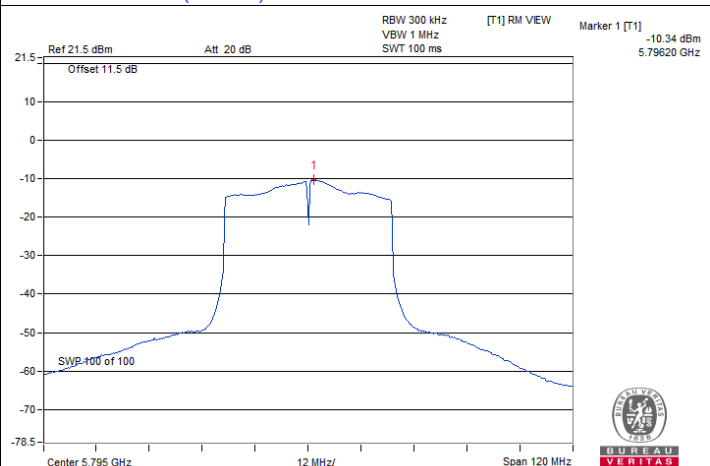
802.11ax (HE20) 52-tone RU / Chain 1 : CH 149



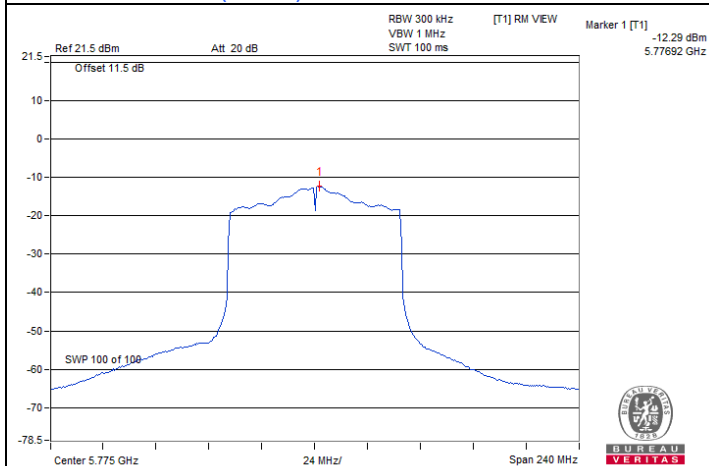
802.11ax (HE20) 106-tone RU / Chain 1 : CH 149



802.11ax (HE20) Full RU / Chain 1 : CH 165



802.11ax (HE40) Full RU / Chain 1 : CH 159



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

7.4 6 dB Bandwidth

Input Power:	3.85 Vdc	Environmental Conditions:	24°C, 64% RH	Tested By:	Match Tsui
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.57	2.58	0.5	Pass
149	5745	15.18	15.17	0.5	Pass
157	5785	15.19	15.18	0.5	Pass
165	5825	15.18	15.17	0.5	Pass

802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.55	4.57	0.5	Pass
149	5745	2.25	2.24	0.5	Pass
165	5825	2.14	2.17	0.5	Pass

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.57	4.57	0.5	Pass
149	5745	17.10	17.13	0.5	Pass
165	5825	17.12	17.10	0.5	Pass

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.64	4.62	0.5	Pass
149	5745	17.22	17.20	0.5	Pass
165	5825	17.38	17.20	0.5	Pass

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.54	3.01	0.5	Pass
149	5745	15.17	15.17	0.5	Pass
157	5785	15.90	15.49	0.5	Pass
165	5825	16.92	15.37	0.5	Pass

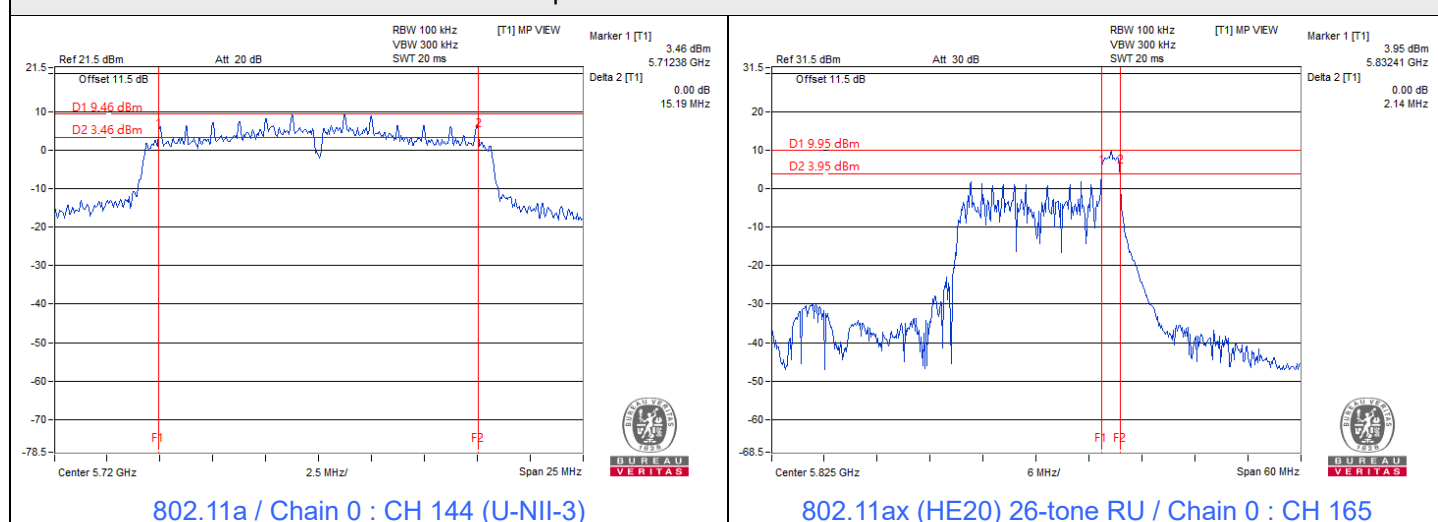
802.11ax (HE40) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.62	3.01	0.5	Pass
151	5755	35.98	36.11	0.5	Pass
159	5795	36.11	36.20	0.5	Pass

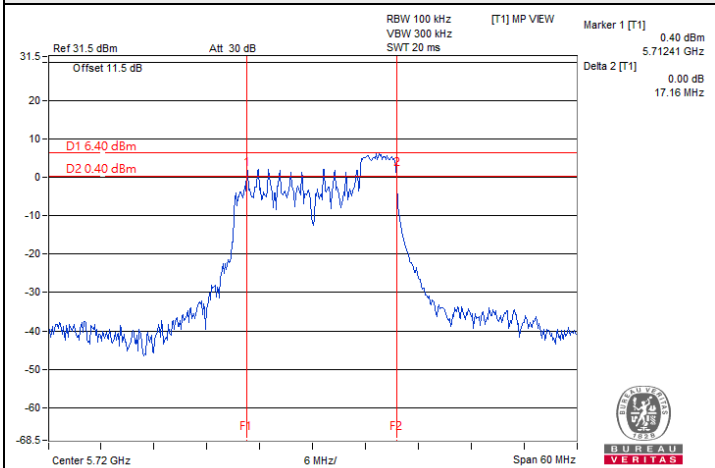
802.11ax (HE80) Full RU

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.63	2.61	0.5	Pass
155	5775	66.62	70.26	0.5	Pass

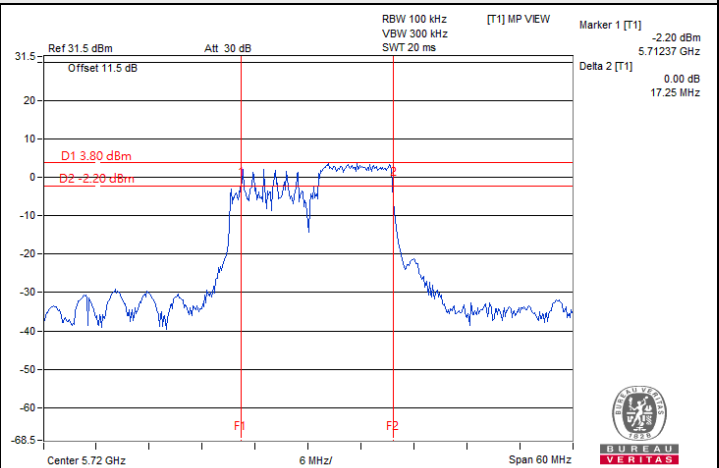
Spectrum Plot of Minimum Value



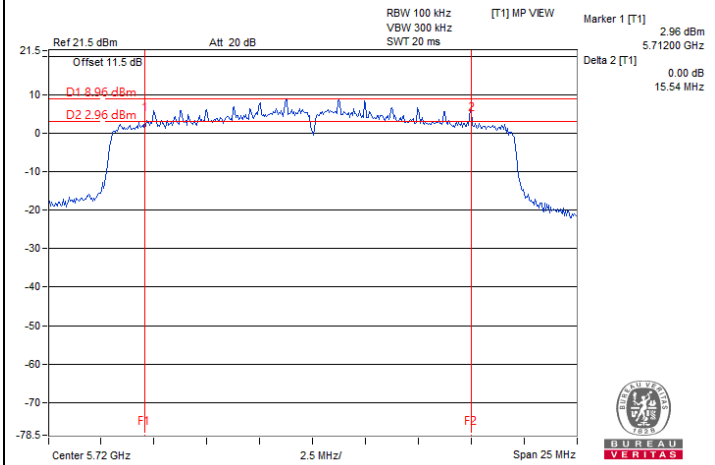
Spectrum Plot of Minimum Value



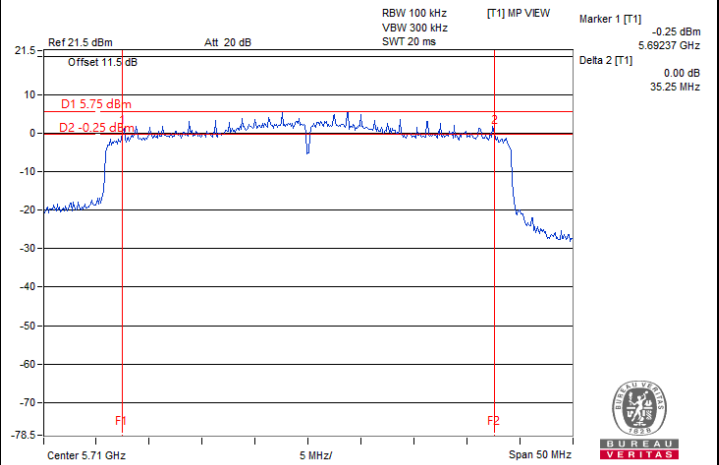
802.11ax (HE20) 52-tone RU / Chain 0 : CH 144 (U-NII-3)



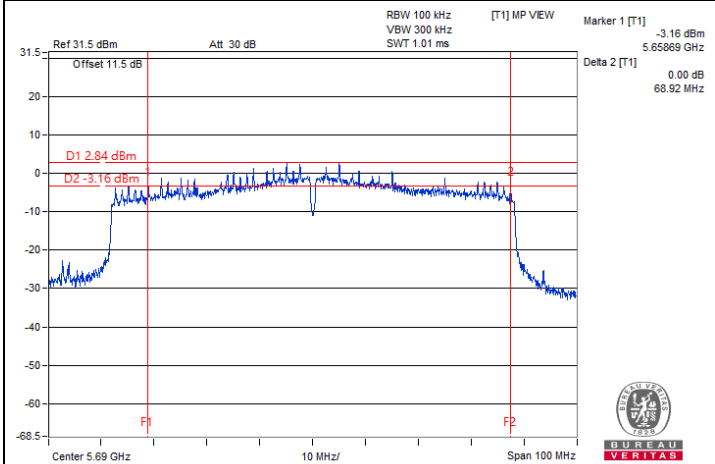
802.11ax (HE20) 106-tone RU / Chain 1 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

Input Power:	3.85 Vdc	Environmental Conditions:	24°C, 64% RH	Tested By:	Match Tsui
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.56	16.44
40	5200	16.92	16.44
48	5240	17.04	16.56
52	5260	18.00	16.56
60	5300	17.76	16.44
64	5320	16.44	16.44
100	5500	16.56	16.44
116	5580	18.00	20.52
140	5700	16.44	16.80
144 (U-NII-2C)	5720	14.72	13.52
144 (U-NII-3)	5720	3.52	3.16
149	5745	18.84	21.60
157	5785	18.00	22.80
165	5825	17.52	16.56

802.11ax (HE20) 26-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.96
64	5320	18.60	18.48
100	5500	18.96	19.08
140	5700	18.72	18.72
144 (U-NII-2C)	5720	13.64	13.64
144 (U-NII-3)	5720	5.08	5.08
149	5745	19.08	18.96
165	5825	18.84	18.84

802.11ax (HE20) 52-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.72	18.96
64	5320	18.72	19.20
100	5500	18.60	18.60
140	5700	18.60	18.48
144 (U-NII-2C)	5720	13.64	13.76
144 (U-NII-3)	5720	4.72	4.84
149	5745	18.60	18.60
165	5825	18.60	18.72

802.11ax (HE20) 106-tone RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	19.92
64	5320	18.96	19.08
100	5500	21.60	22.56
140	5700	18.60	18.60
144 (U-NII-2C)	5720	13.76	13.64
144 (U-NII-3)	5720	4.72	4.72
149	5745	18.72	18.72
165	5825	18.36	18.72

802.11ax (HE20) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.96
40	5200	18.96	19.08
48	5240	18.96	18.96
52	5260	18.96	18.96
60	5300	18.96	19.08
64	5320	18.84	18.84
100	5500	18.84	18.96
116	5580	18.96	20.88
140	5700	18.84	18.84
144 (U-NII-2C)	5720	14.60	14.60
144 (U-NII-3)	5720	4.36	4.36
149	5745	18.96	22.20
157	5785	21.24	22.56
165	5825	18.96	22.68

802.11ax (HE40) Full RU

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	38.16	38.88
54	5270	37.68	38.16
62	5310	37.68	37.68
102	5510	37.68	37.92
110	5550	38.40	41.28
134	5670	38.16	38.16
142 (U-NII-2C)	5710	34.44	40.44
142 (U-NII-3)	5710	3.96	4.20
151	5755	44.40	45.36
159	5795	38.16	38.16

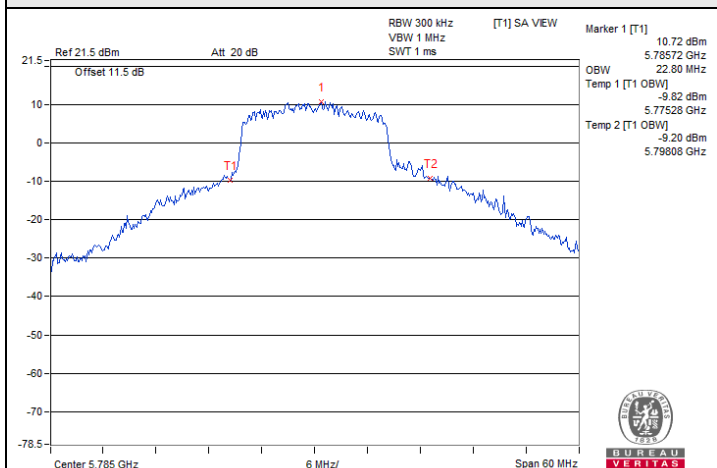
802.11ax (HE80) Full RU

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

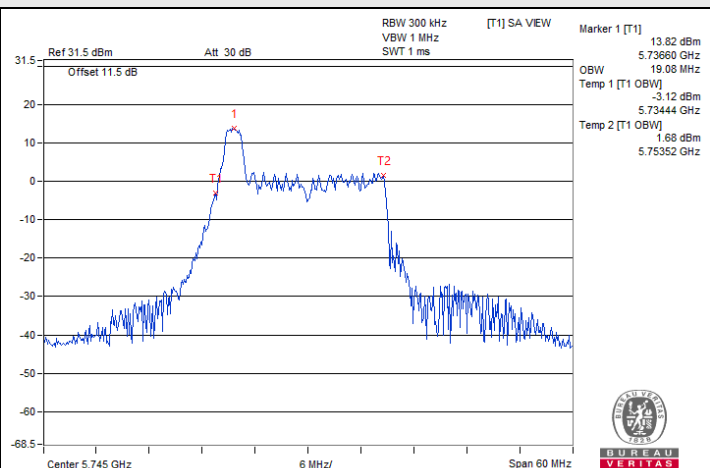
802.11ax (HE160) Full RU

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

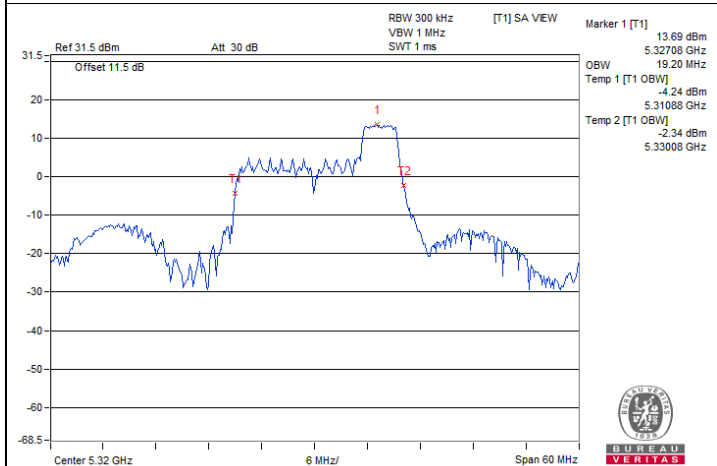
Spectrum Plot of Maximum Value



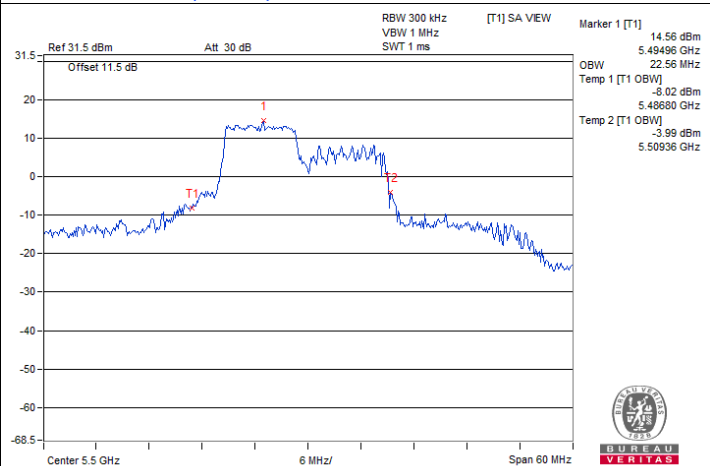
802.11a / Chain 1 : CH 157



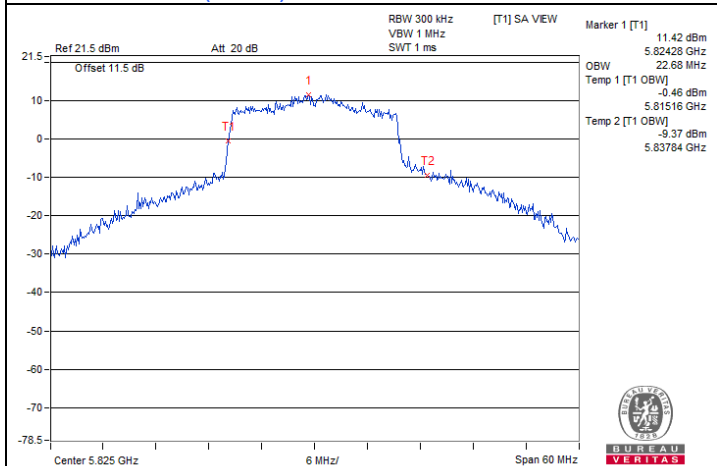
802.11ax (HE20) 26-tone RU / Chain 0 : CH 149



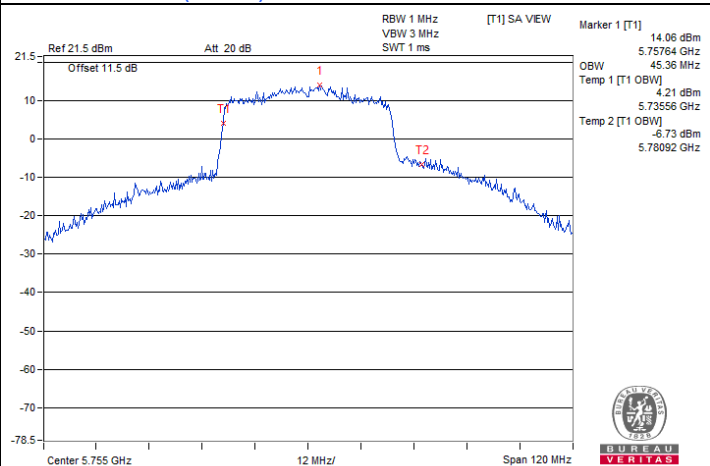
802.11ax (HE20) 52-tone RU / Chain 1 : CH 64



802.11ax (HE20) 106-tone RU / Chain 1 : CH 100

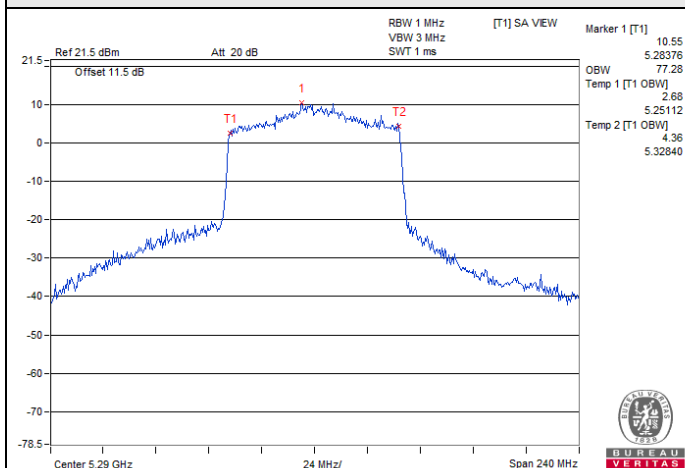


802.11ax (HE20) Full RU / Chain 1 : CH 165

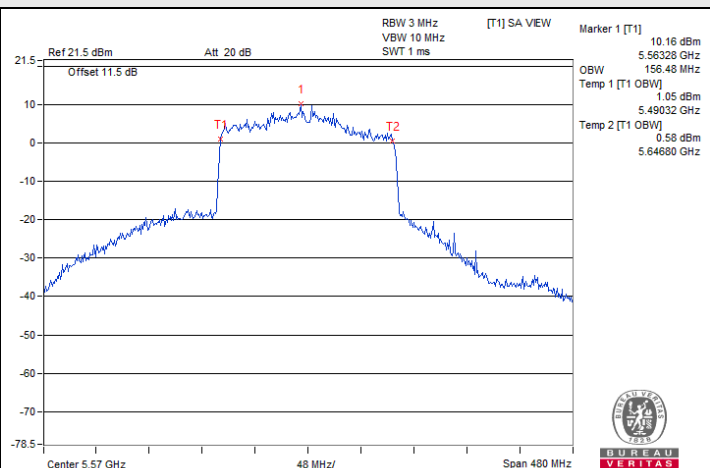


802.11ax (HE40) Full RU / Chain 1 : CH 151

Spectrum Plot of Maximum Value

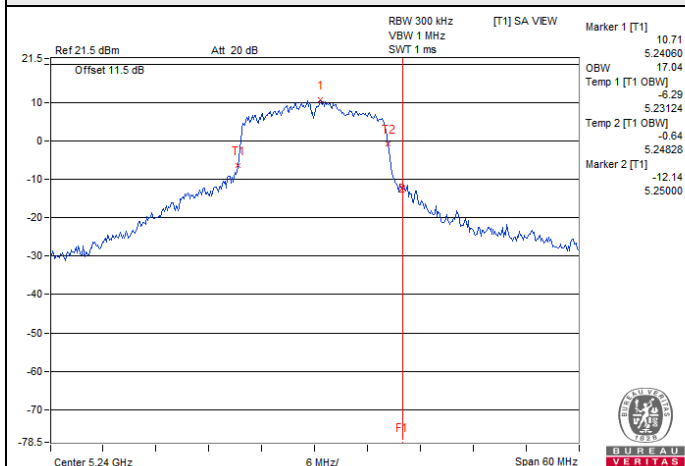


802.11ax (HE80) Full RU / Chain 0 : CH 58

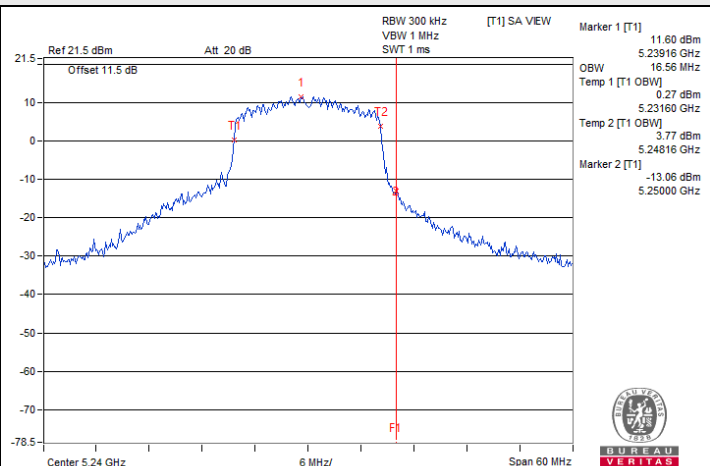


802.11ax (HE160) Full RU / Chain 0 : CH 114

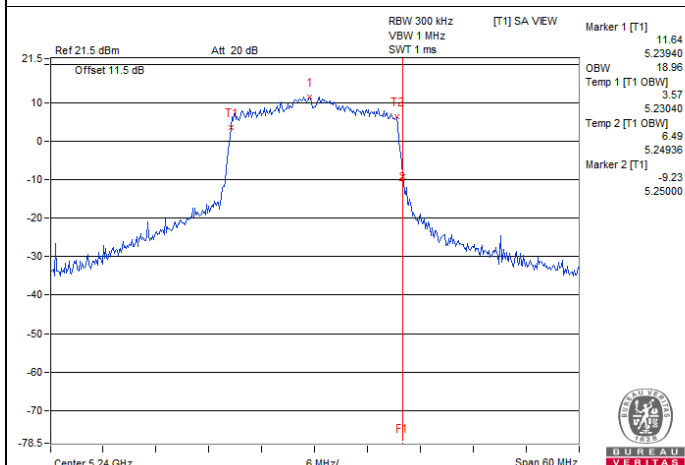
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



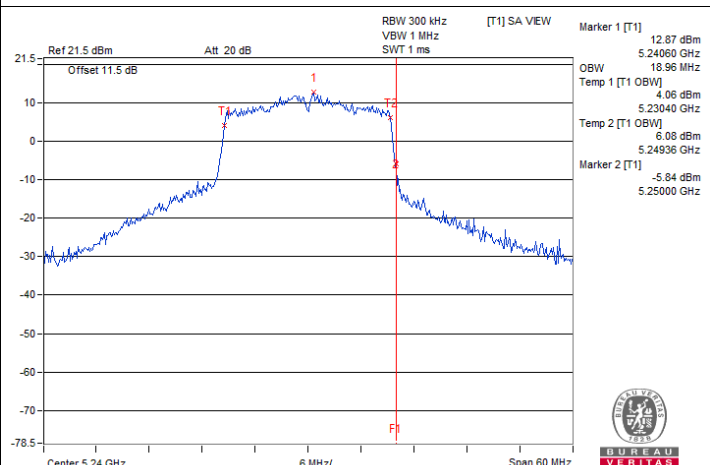
802.11a / Chain 0 : CH 48



802.11a / Chain 1 : CH 48

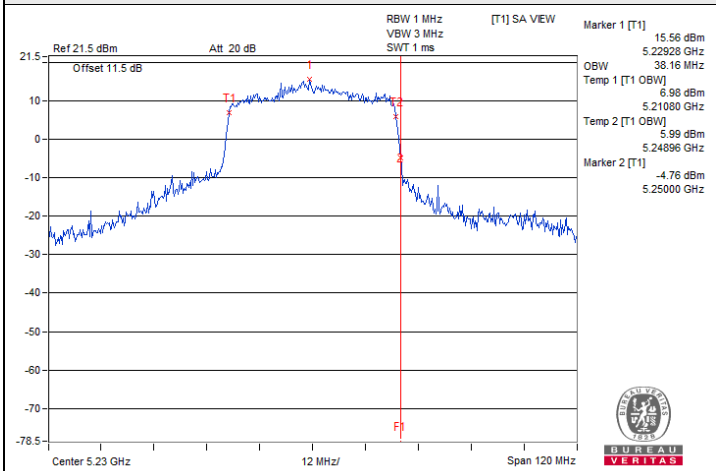


802.11ax (HE20) Full RU / Chain 0 : CH 48

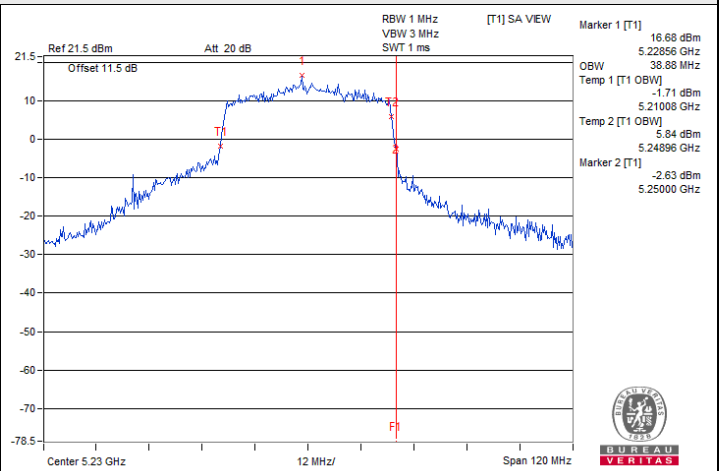


802.11ax (HE20) Full RU / Chain 1 : CH 48

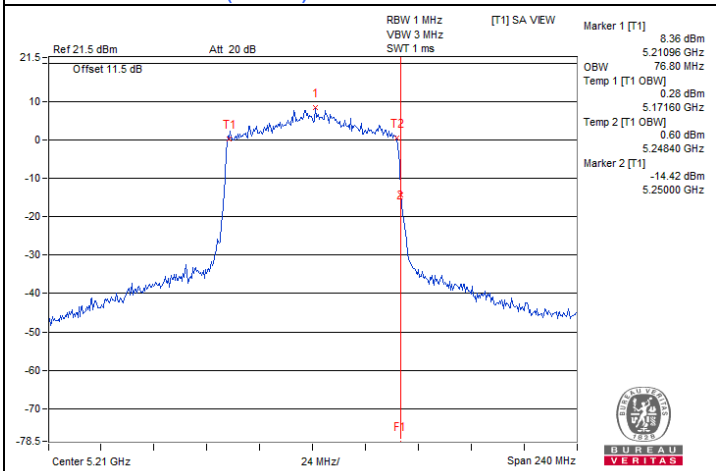
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



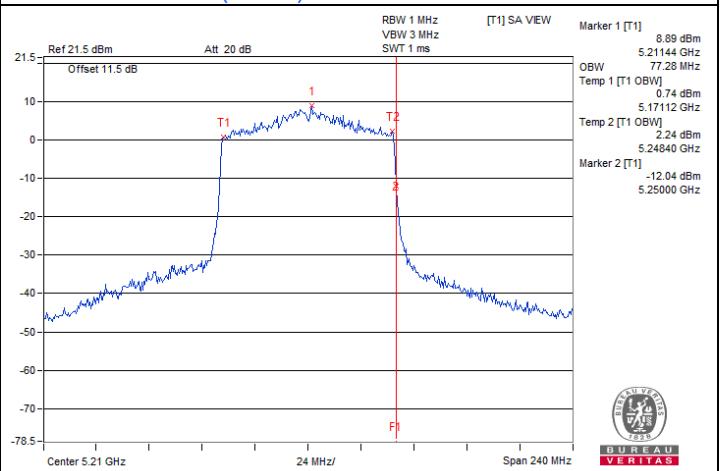
802.11ax (HE40) Full RU / Chain 0 : CH 46



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

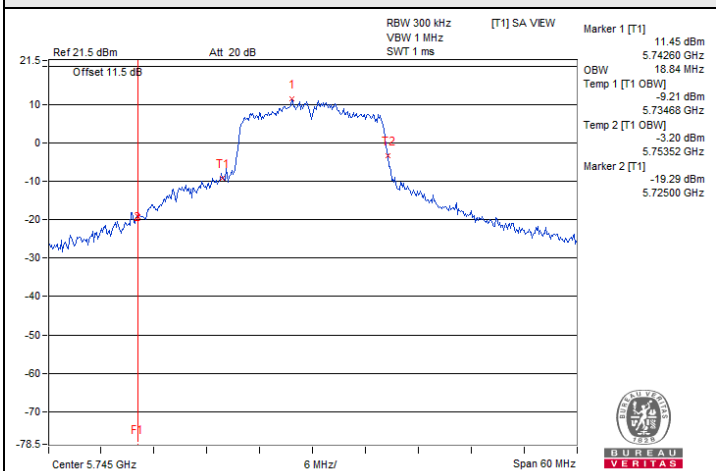


802.11ax (HE80) Full RU / Chain 0 : CH 42

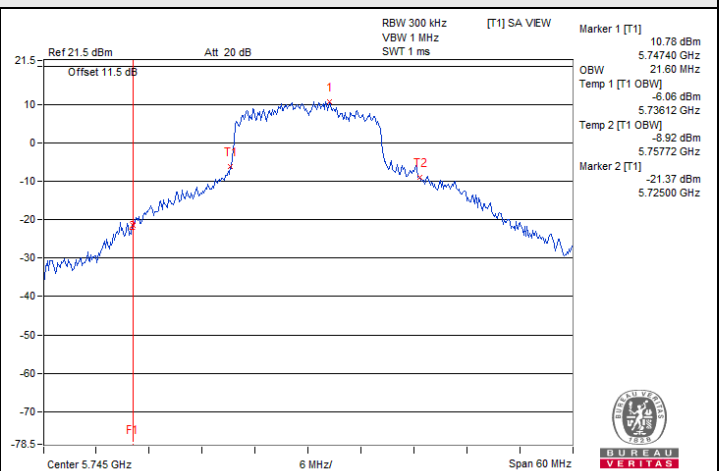


802.11ax (HE80) Full RU / Chain 1 : CH 42

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

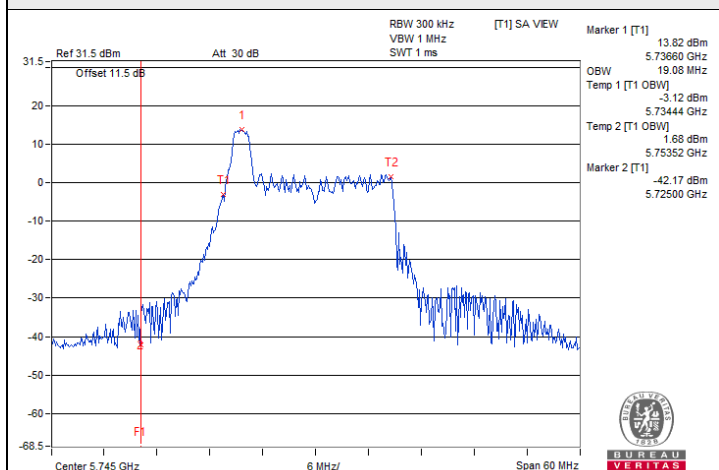


802.11a / Chain 0 : CH 149

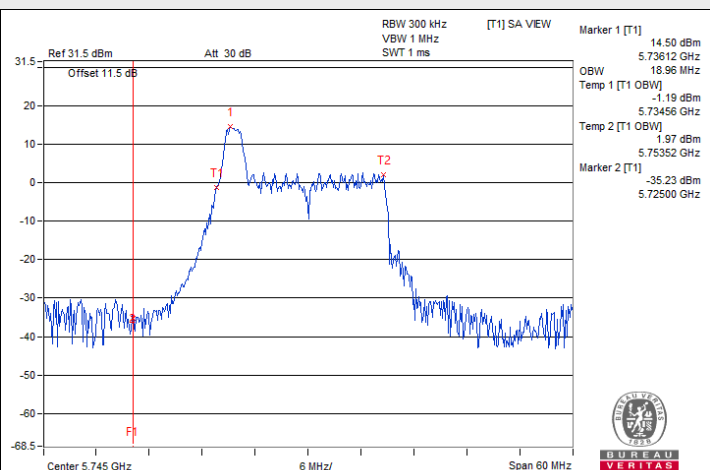


802.11a / Chain 1 : CH 149

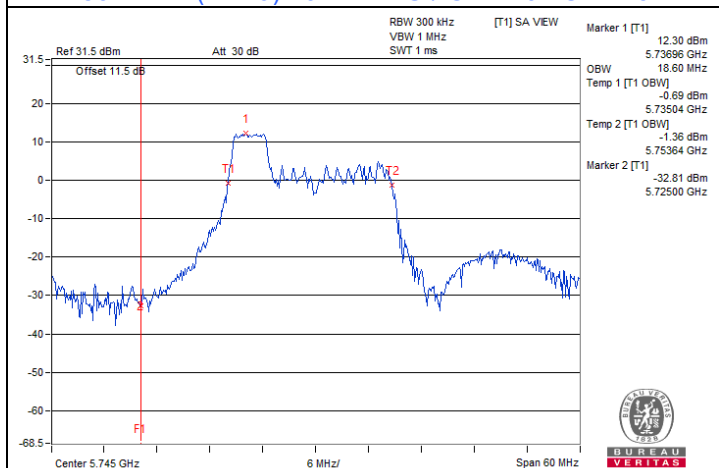
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



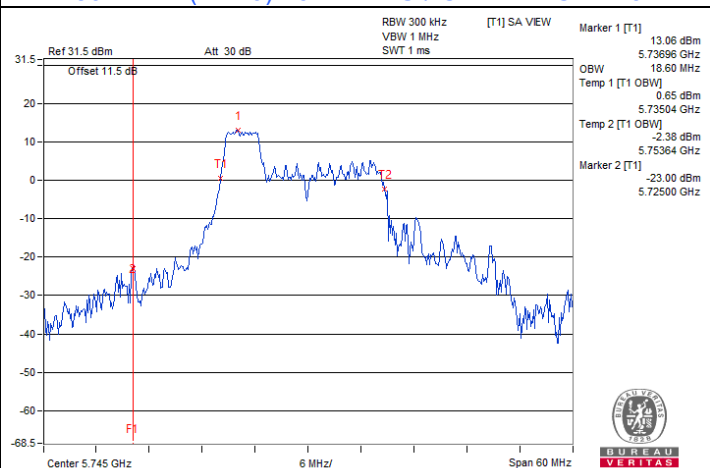
802.11ax (HE20) 26-tone RU / Chain 0 : CH 149



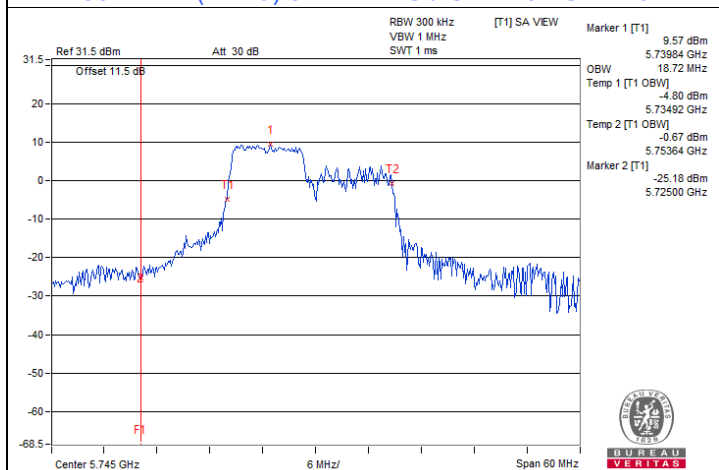
802.11ax (HE20) 26-tone RU / Chain 1 : CH 149



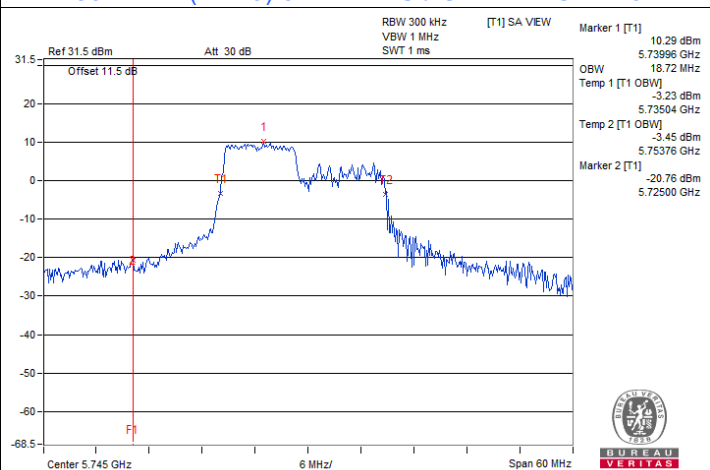
802.11ax (HE20) 52-tone RU / Chain 0 : CH 149



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

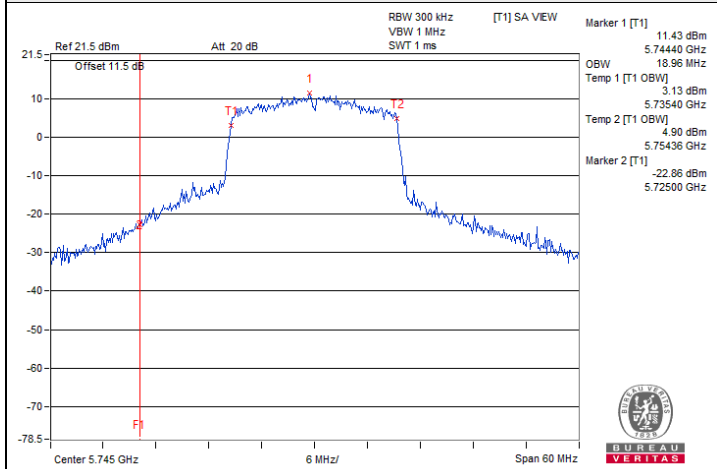


802.11ax (HE20) 106-tone RU / Chain 0 : CH 149

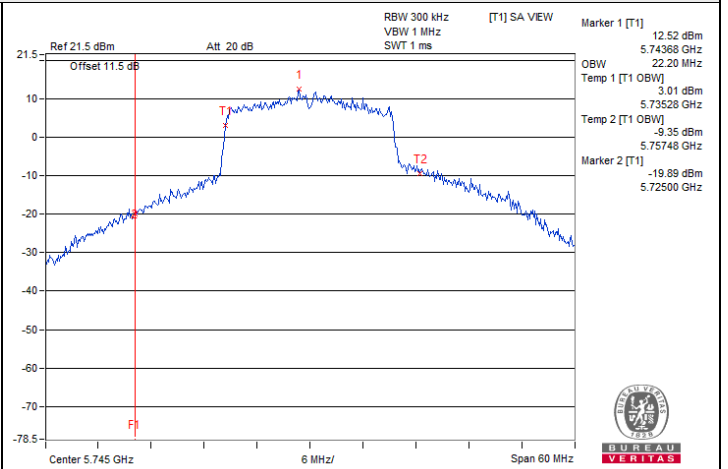


802.11ax (HE20) 106-tone RU / Chain 1 : CH 149

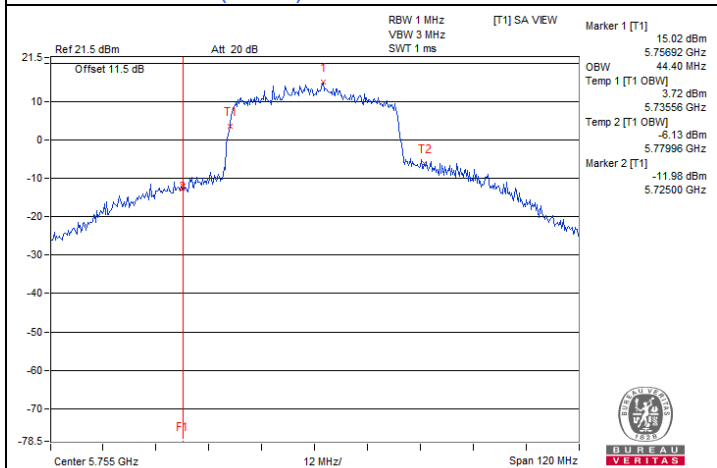
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



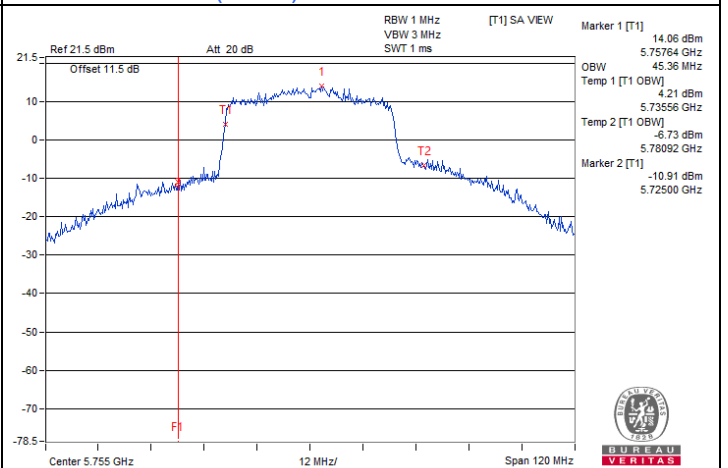
802.11ax (HE20) Full RU / Chain 0 : CH 149



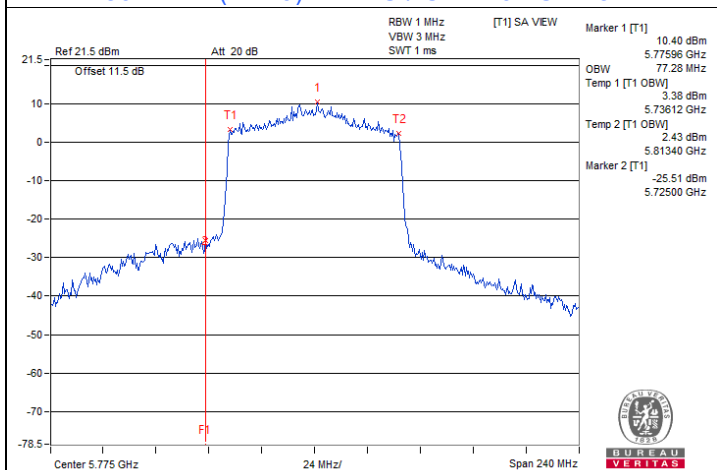
802.11ax (HE20) Full RU / Chain 1 : CH 149



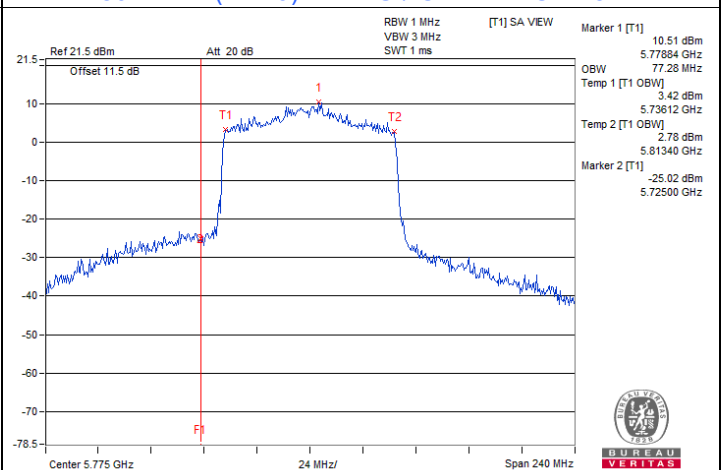
802.11ax (HE40) Full RU / Chain 0 : CH 151



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



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



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

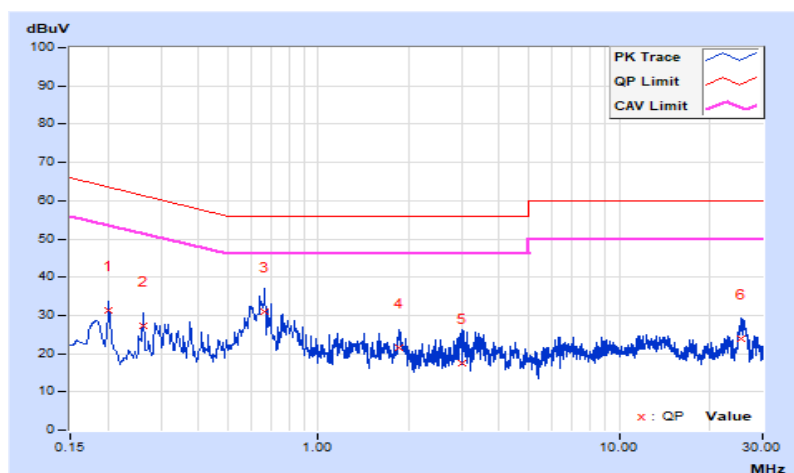
7.6 AC Power Conducted Emissions

RF Mode	802.11ax (HE40) Full RU	Channel	CH 159 : 5795 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20200	10.19	21.08	5.95	31.27	16.14	63.53	53.53	-32.26	-37.39
2	0.26200	10.19	17.04	2.28	27.23	12.47	61.37	51.37	-34.14	-38.90
3	0.66200	10.23	20.80	11.53	31.03	21.76	56.00	46.00	-24.97	-24.24
4	1.86600	10.36	11.34	3.56	21.70	13.92	56.00	46.00	-34.30	-32.08
5	3.00200	10.41	7.12	2.65	17.53	13.06	56.00	46.00	-38.47	-32.94
6	25.53800	10.64	13.22	3.69	23.86	14.33	60.00	50.00	-36.14	-35.67

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

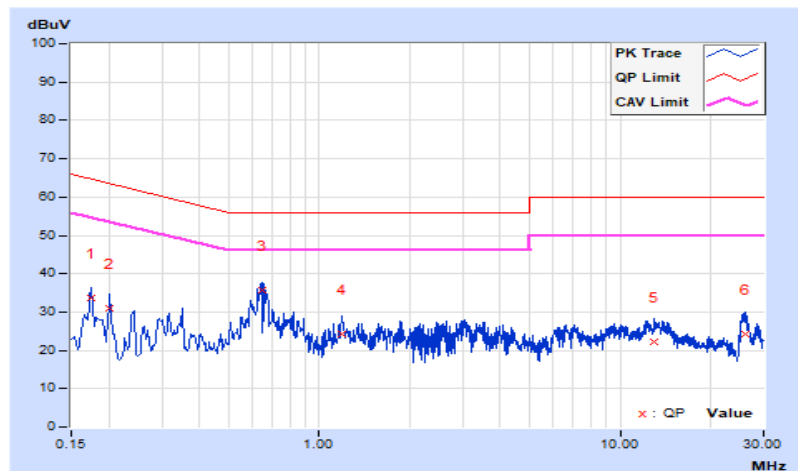


RF Mode	802.11ax (HE40) Full RU	Channel	CH 159 : 5795 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Adair Peng		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17400	10.21	23.40	12.69	33.61	22.90	64.77	54.77	-31.16	-31.87
2	0.20200	10.22	20.85	7.80	31.07	18.02	63.53	53.53	-32.46	-35.51
3	0.64600	10.26	25.59	17.29	35.85	27.55	56.00	46.00	-20.15	-18.45
4	1.19000	10.32	13.79	5.65	24.11	15.97	56.00	46.00	-31.89	-30.03
5	13.01000	10.69	11.48	4.98	22.17	15.67	60.00	50.00	-37.83	-34.33
6	26.21800	10.87	13.49	5.69	24.36	16.56	60.00	50.00	-35.64	-33.44

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



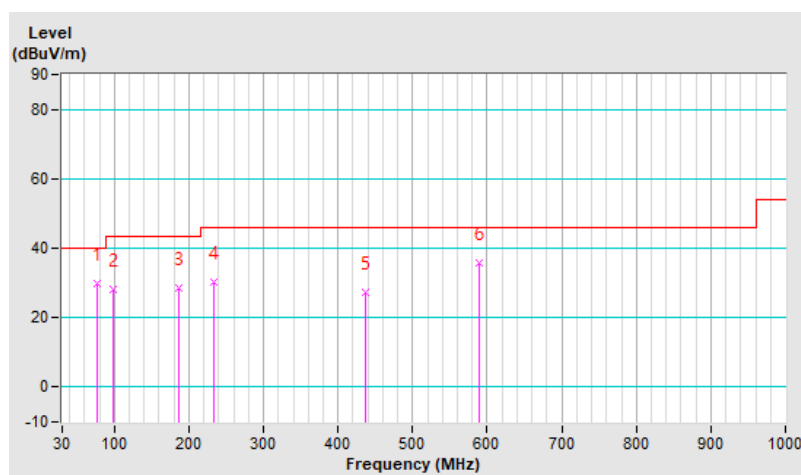
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40) Full RU	Channel	CH 159 : 5795 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	19 °C, 65% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	77.53	29.8 QP	40.0	-10.2	1.00 H	70	46.2	-16.4
2	97.90	28.1 QP	43.5	-15.4	2.00 H	144	45.2	-17.1
3	187.14	28.5 QP	43.5	-15.0	1.00 H	336	43.2	-14.7
4	232.73	30.3 QP	46.0	-15.7	1.51 H	275	44.8	-14.5
5	436.43	27.2 QP	46.0	-18.8	1.00 H	189	35.2	-8.0
6	588.72	35.6 QP	46.0	-10.4	1.00 H	18	40.5	-4.9

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.

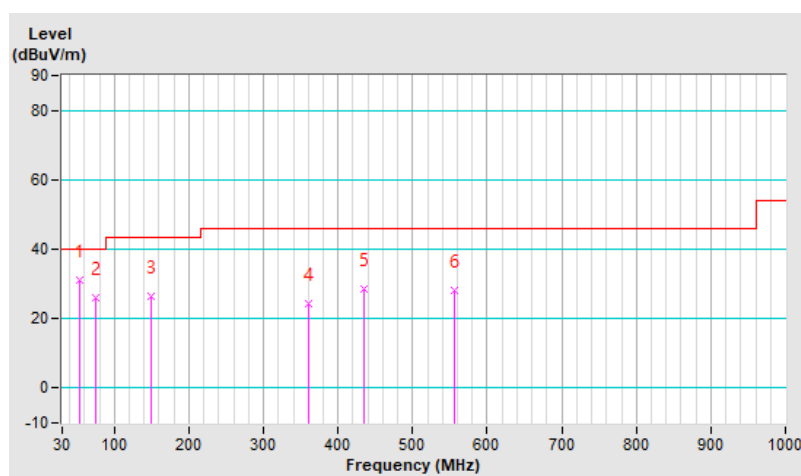


RF Mode	802.11ax (HE40) Full RU	Channel	CH 159 : 5795 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19 °C, 65% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	53.28	31.1 QP	40.0	-8.9	1.00 V	170	43.4	-12.3
2	74.62	26.0 QP	40.0	-14.0	1.99 V	64	41.6	-15.6
3	148.34	26.3 QP	43.5	-17.2	1.00 V	307	38.6	-12.3
4	359.80	24.4 QP	46.0	-21.6	1.49 V	356	34.8	-10.4
5	435.46	28.5 QP	46.0	-17.5	1.49 V	69	36.5	-8.0
6	556.71	28.1 QP	46.0	-17.9	1.99 V	38	33.8	-5.7

Remarks:

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



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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.4 PK	74.0	-6.6	2.25 H	163	61.8	5.6
2	5150.00	52.9 AV	54.0	-1.1	2.25 H	163	47.3	5.6
3	*5180.00	112.4 PK			2.25 H	163	70.9	41.5
4	*5180.00	102.4 AV			2.25 H	163	60.9	41.5
5	#10360.00	56.7 PK	68.2	-11.5	2.48 H	181	43.9	12.8
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	65.0 PK	74.0	-9.0	2.25 V	283	59.4	5.6
2	5150.00	51.6 AV	54.0	-2.4	2.25 V	283	46.0	5.6
3	*5180.00	110.3 PK			2.25 V	283	68.8	41.5
4	*5180.00	100.3 AV			2.25 V	283	58.8	41.5
5	#10360.00	56.0 PK	68.2	-12.2	3.06 V	151	43.2	12.8

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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.0 PK	74.0	-6.0	2.25 H	165	62.4	5.6
2	5150.00	52.7 AV	54.0	-1.3	2.25 H	165	47.1	5.6
3	*5200.00	112.7 PK			2.25 H	165	71.3	41.4
4	*5200.00	102.7 AV			2.25 H	165	61.3	41.4
5	#10400.00	56.8 PK	68.2	-11.4	3.60 H	39	43.7	13.1
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	61.4 PK	74.0	-12.6	2.25 V	283	55.8	5.6
2	5150.00	47.0 AV	54.0	-7.0	2.25 V	283	41.4	5.6
3	*5200.00	111.1 PK			2.25 V	283	69.7	41.4
4	*5200.00	101.1 AV			2.25 V	283	59.7	41.4
5	#10400.00	56.4 PK	68.2	-11.8	1.42 V	264	43.3	13.1

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 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	113.9 PK			2.25 H	165	72.7	41.2
2	*5240.00	103.9 AV			2.25 H	165	62.7	41.2
3	5350.00	58.1 PK	74.0	-15.9	2.25 H	165	53.1	5.0
4	5350.00	44.9 AV	54.0	-9.1	2.25 H	165	39.9	5.0
5	#10480.00	57.7 PK	68.2	-10.5	1.88 H	265	44.2	13.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	111.4 PK			2.25 V	284	70.2	41.2
2	*5240.00	101.4 AV			2.25 V	284	60.2	41.2
3	5350.00	58.0 PK	74.0	-16.0	2.25 V	284	53.0	5.0
4	5350.00	44.6 AV	54.0	-9.4	2.25 V	284	39.6	5.0
5	#10480.00	57.2 PK	68.2	-11.0	3.14 V	323	43.7	13.5

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.4 PK	74.0	-15.6	2.25 H	165	52.8	5.6
2	5150.00	45.1 AV	54.0	-8.9	2.25 H	165	39.5	5.6
3	*5260.00	114.0 PK			2.25 H	165	72.9	41.1
4	*5260.00	104.0 AV			2.25 H	165	62.9	41.1
5	#10520.00	57.2 PK	68.2	-11.0	1.67 H	182	43.7	13.5
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	5150.00	58.1 PK	74.0	-15.9	2.25 V	283	52.5	5.6
2	5150.00	44.9 AV	54.0	-9.1	2.25 V	283	39.3	5.6
3	*5260.00	111.8 PK			2.25 V	283	70.7	41.1
4	*5260.00	101.8 AV			2.25 V	283	60.7	41.1
5	#10520.00	56.7 PK	68.2	-11.5	2.82 V	26	43.2	13.5

Remarks:

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

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.2 PK			2.25 H	165	72.3	40.9
2	*5300.00	103.2 AV			2.25 H	165	62.3	40.9
3	10600.00	57.0 PK	74.0	-17.0	3.44 H	291	43.8	13.2
4	10600.00	44.0 AV	54.0	-10.0	3.44 H	291	30.8	13.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.9 PK			2.25 V	282	70.0	40.9
2	*5300.00	100.9 AV			2.25 V	282	60.0	40.9
3	10600.00	56.7 PK	74.0	-17.3	1.24 V	183	43.5	13.2
4	10600.00	43.6 AV	54.0	-10.4	1.24 V	183	30.4	13.2

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	111.4 PK			2.25 H	158	70.5	40.9
2	*5320.00	101.4 AV			2.25 H	158	60.5	40.9
3	5350.00	67.6 PK	74.0	-6.4	2.25 H	158	62.6	5.0
4	5350.00	52.9 AV	54.0	-1.1	2.25 H	158	47.9	5.0
5	10640.00	57.2 PK	74.0	-16.8	2.59 H	152	43.8	13.4
6	10640.00	44.3 AV	54.0	-9.7	2.59 H	152	30.9	13.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.6 PK			2.25 V	283	68.7	40.9
2	*5320.00	99.6 AV			2.25 V	283	58.7	40.9
3	5350.00	59.8 PK	74.0	-14.2	2.25 V	283	54.8	5.0
4	5350.00	47.0 AV	54.0	-7.0	2.25 V	283	42.0	5.0
5	10640.00	56.8 PK	74.0	-17.2	1.34 V	325	43.4	13.4
6	10640.00	43.7 AV	54.0	-10.3	1.34 V	325	30.3	13.4

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.6 PK	74.0	-10.4	2.25 H	141	58.2	5.4
2	5460.00	48.3 AV	54.0	-5.7	2.25 H	141	42.9	5.4
3	#5470.00	67.2 PK	68.2	-1.0	2.25 H	141	61.8	5.4
4	*5500.00	111.7 PK			2.25 H	141	70.2	41.5
5	*5500.00	101.7 AV			2.25 H	141	60.2	41.5
6	11000.00	56.6 PK	74.0	-17.4	3.17 H	142	43.8	12.8
7	11000.00	43.8 AV	54.0	-10.2	3.17 H	142	31.0	12.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.2 PK	74.0	-14.8	2.25 V	281	53.8	5.4
2	5460.00	46.2 AV	54.0	-7.8	2.25 V	281	40.8	5.4
3	#5470.00	62.7 PK	68.2	-5.5	2.25 V	281	57.3	5.4
4	*5500.00	109.7 PK			2.25 V	281	68.2	41.5
5	*5500.00	99.7 AV			2.25 V	281	58.2	41.5
6	11000.00	56.3 PK	74.0	-17.7	2.34 V	189	43.5	12.8
7	11000.00	43.4 AV	54.0	-10.6	2.34 V	189	30.6	12.8

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.9 PK			2.26 H	140	72.1	41.8
2	*5580.00	103.9 AV			2.26 H	140	62.1	41.8
3	11160.00	56.4 PK	74.0	-17.6	1.80 H	271	43.8	12.6
4	11160.00	43.9 AV	54.0	-10.1	1.80 H	271	31.3	12.6
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	*5580.00	111.2 PK			2.25 V	279	69.4	41.8
2	*5580.00	101.2 AV			2.25 V	279	59.4	41.8
3	11160.00	55.9 PK	74.0	-18.1	1.57 V	177	43.3	12.6
4	11160.00	43.6 AV	54.0	-10.4	1.57 V	177	31.0	12.6

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	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.5 PK			2.20 H	139	69.8	41.7
2	*5700.00	101.5 AV			2.20 H	139	59.8	41.7
3	#5725.00	67.1 PK	68.2	-1.1	2.20 H	139	61.4	5.7
4	11400.00	57.0 PK	74.0	-17.0	3.68 H	277	43.9	13.1
5	11400.00	44.3 AV	54.0	-9.7	3.68 H	277	31.2	13.1
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	109.3 PK			2.25 V	280	67.6	41.7
2	*5700.00	99.3 AV			2.25 V	280	57.6	41.7
3	#5725.00	65.2 PK	68.2	-3.0	2.25 V	280	59.5	5.7
4	11400.00	56.6 PK	74.0	-17.4	2.14 V	212	43.5	13.1
5	11400.00	43.9 AV	54.0	-10.1	2.14 V	212	30.8	13.1

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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	114.4 PK			2.23 H	140	72.7	41.7
2	*5720.00	104.4 AV			2.23 H	140	62.7	41.7
3	#5850.00	59.8 PK	68.2	-8.4	2.23 H	140	53.4	6.4
4	11440.00	56.9 PK	74.0	-17.1	1.67 H	232	43.9	13.0
5	11440.00	43.9 AV	54.0	-10.1	1.67 H	232	30.9	13.0
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	*5720.00	112.0 PK			2.18 V	279	70.3	41.7
2	*5720.00	102.0 AV			2.18 V	279	60.3	41.7
3	#5850.00	59.7 PK	68.2	-8.5	2.18 V	279	53.3	6.4
4	11440.00	56.6 PK	74.0	-17.4	1.83 V	15	43.6	13.0
5	11440.00	43.7 AV	54.0	-10.3	1.83 V	15	30.7	13.0

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5623.60	59.0 PK	68.2	-9.2	2.22 H	139	53.1	5.9
2	*5745.00	113.7 PK			2.22 H	139	71.9	41.8
3	*5745.00	103.7 AV			2.22 H	139	61.9	41.8
4	#5958.00	59.1 PK	68.2	-9.1	2.22 H	139	52.5	6.6
5	11490.00	56.8 PK	74.0	-17.2	3.90 H	310	43.8	13.0
6	11490.00	44.2 AV	54.0	-9.8	3.90 H	310	31.2	13.0
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	#5646.80	58.4 PK	68.2	-9.8	2.19 V	279	52.6	5.8
2	*5745.00	111.9 PK			2.19 V	279	70.1	41.8
3	*5745.00	101.9 AV			2.19 V	279	60.1	41.8
4	#5935.60	58.9 PK	68.2	-9.3	2.19 V	279	52.4	6.5
5	11490.00	56.3 PK	74.0	-17.7	1.58 V	163	43.3	13.0
6	11490.00	43.6 AV	54.0	-10.4	1.58 V	163	30.6	13.0

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.5 PK	68.2	-8.7	2.14 H	140	53.7	5.8
2	*5785.00	113.4 PK			2.14 H	140	71.3	42.1
3	*5785.00	103.4 AV			2.14 H	140	61.3	42.1
4	#5958.00	58.9 PK	68.2	-9.3	2.14 H	140	52.3	6.6
5	11570.00	56.1 PK	74.0	-17.9	1.71 H	237	43.7	12.4
6	11570.00	43.5 AV	54.0	-10.5	1.71 H	237	31.1	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.00	58.1 PK	68.2	-10.1	2.14 V	281	52.2	5.9
2	*5785.00	111.9 PK			2.14 V	281	69.8	42.1
3	*5785.00	101.9 AV			2.14 V	281	59.8	42.1
4	#5951.20	59.0 PK	68.2	-9.2	2.14 V	281	52.5	6.5
5	11570.00	55.7 PK	74.0	-18.3	1.99 V	311	43.3	12.4
6	11570.00	43.0 AV	54.0	-11.0	1.99 V	311	30.6	12.4

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.20	59.0 PK	68.2	-9.2	2.16 H	142	53.2	5.8
2	*5825.00	113.1 PK			2.16 H	142	70.7	42.4
3	*5825.00	103.1 AV			2.16 H	142	60.7	42.4
4	#5930.80	60.1 PK	68.2	-8.1	2.16 H	142	53.6	6.5
5	11650.00	55.6 PK	74.0	-18.4	3.53 H	111	43.8	11.8
6	11650.00	43.1 AV	54.0	-10.9	3.53 H	111	31.3	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5634.80	58.1 PK	68.2	-10.1	2.16 V	280	52.2	5.9
2	*5825.00	111.5 PK			2.16 V	280	69.1	42.4
3	*5825.00	101.5 AV			2.16 V	280	59.1	42.4
4	#5962.80	59.0 PK	68.2	-9.2	2.16 V	280	52.4	6.6
5	11650.00	55.2 PK	74.0	-18.8	1.16 V	220	43.4	11.8
6	11650.00	42.9 AV	54.0	-11.1	1.16 V	220	31.1	11.8

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	70.6 PK	74.0	-3.4	1.66 H	221	64.7	5.9
2	5150.00	47.1 AV	54.0	-6.9	1.66 H	221	41.2	5.9
3	*5180.00	118.5 PK			1.66 H	221	77.0	41.5
4	*5180.00	109.1 AV			1.66 H	221	67.6	41.5
5	#10360.00	59.3 PK	68.2	-8.9	1.46 H	169	46.7	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.4 PK	74.0	-5.6	2.96 V	254	62.5	5.9
2	5150.00	46.5 AV	54.0	-7.5	2.96 V	254	40.6	5.9
3	*5180.00	117.1 PK			2.96 V	254	75.6	41.5
4	*5180.00	107.2 AV			2.96 V	254	65.7	41.5
5	#10360.00	59.3 PK	68.2	-8.9	1.26 V	264	46.7	12.6

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	118.4 PK			1.65 H	181	77.5	40.9
2	*5320.00	108.6 AV			1.65 H	181	67.7	40.9
3	5350.00	72.3 PK	74.0	-1.7	1.65 H	181	66.9	5.4
4	5350.00	46.2 AV	54.0	-7.8	1.65 H	181	40.8	5.4
5	10640.00	61.7 PK	74.0	-12.3	2.46 H	112	48.6	13.1
6	10640.00	48.6 AV	54.0	-5.4	2.46 H	112	35.5	13.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	116.8 PK			2.01 V	253	75.9	40.9
2	*5320.00	106.9 AV			2.01 V	253	66.0	40.9
3	5350.00	69.4 PK	74.0	-4.6	2.01 V	253	64.0	5.4
4	5350.00	45.5 AV	54.0	-8.5	2.01 V	253	40.1	5.4
5	10640.00	61.4 PK	74.0	-12.6	1.68 V	218	48.3	13.1
6	10640.00	48.3 AV	54.0	-5.7	1.68 V	218	35.2	13.1

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 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.8 PK	74.0	-14.2	2.25 H	131	54.0	5.8
2	5460.00	45.8 AV	54.0	-8.2	2.25 H	131	40.0	5.8
3	#5470.00	66.6 PK	68.2	-1.6	2.25 H	131	60.8	5.8
4	*5500.00	116.4 PK			2.25 H	131	74.9	41.5
5	*5500.00	104.6 AV			2.25 H	131	63.1	41.5
6	11000.00	61.3 PK	74.0	-12.7	1.75 H	216	48.7	12.6
7	11000.00	49.0 AV	54.0	-5.0	1.75 H	216	36.4	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	2.17 V	134	53.1	5.8
2	5460.00	45.5 AV	54.0	-8.5	2.17 V	134	39.7	5.8
3	#5470.00	60.6 PK	68.2	-7.6	2.17 V	134	54.8	5.8
4	*5500.00	114.0 PK			2.17 V	134	72.5	41.5
5	*5500.00	101.9 AV			2.17 V	134	60.4	41.5
6	11000.00	60.0 PK	74.0	-14.0	1.28 V	136	47.4	12.6
7	11000.00	48.7 AV	54.0	-5.3	1.28 V	136	36.1	12.6

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.1 PK			1.61 H	133	76.4	41.7
2	*5700.00	105.2 AV			1.61 H	133	63.5	41.7
3	#5725.00	67.2 PK	68.2	-1.0	1.61 H	133	61.2	6.0
4	11400.00	61.7 PK	74.0	-12.3	1.35 H	216	48.8	12.9
5	11400.00	49.5 AV	54.0	-4.5	1.35 H	216	36.6	12.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.9 PK			1.95 V	255	74.2	41.7
2	*5700.00	103.0 AV			1.95 V	255	61.3	41.7
3	#5725.00	66.5 PK	68.2	-1.7	1.95 V	255	60.5	6.0
4	11400.00	61.3 PK	74.0	-12.7	2.71 V	123	48.4	12.9
5	11400.00	49.2 AV	54.0	-4.8	2.71 V	123	36.3	12.9

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) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	119.8 PK			1.62 H	134	78.1	41.7
2	*5720.00	110.9 AV			1.62 H	134	69.2	41.7
3	#5850.00	60.1 PK	68.2	-8.1	1.62 H	134	53.4	6.7
4	11440.00	64.3 PK	74.0	-9.7	2.76 H	228	51.5	12.8
5	11440.00	49.3 AV	54.0	-4.7	2.76 H	228	36.5	12.8
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	*5720.00	119.0 PK			1.97 V	257	77.3	41.7
2	*5720.00	110.1 AV			1.97 V	257	68.4	41.7
3	#5850.00	60.2 PK	68.2	-8.0	1.97 V	257	53.5	6.7
4	11440.00	64.0 PK	74.0	-10.0	1.82 V	153	51.2	12.8
5	11440.00	48.9 AV	54.0	-5.1	1.82 V	153	36.1	12.8

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.20	59.5 PK	68.2	-8.7	2.16 H	136	53.2	6.3
2	*5745.00	120.0 PK			2.16 H	136	78.2	41.8
3	*5745.00	111.4 AV			2.16 H	136	69.6	41.8
4	#5952.40	60.0 PK	68.2	-8.2	2.16 H	136	53.1	6.9
5	11490.00	63.3 PK	74.0	-10.7	2.43 H	175	50.4	12.9
6	11490.00	49.2 AV	54.0	-4.8	2.43 H	175	36.3	12.9
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	#5644.40	59.4 PK	68.2	-8.8	2.53 V	32	53.1	6.3
2	*5745.00	114.8 PK			2.53 V	32	73.0	41.8
3	*5745.00	106.4 AV			2.53 V	32	64.6	41.8
4	#5952.80	60.4 PK	68.2	-7.8	2.53 V	32	53.5	6.9
5	11490.00	63.1 PK	74.0	-10.9	1.95 V	228	50.2	12.9
6	11490.00	48.9 AV	54.0	-5.1	1.95 V	228	36.0	12.9

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 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.60	59.2 PK	68.2	-9.0	1.49 H	146	52.9	6.3
2	*5825.00	119.3 PK			1.49 H	146	76.9	42.4
3	*5825.00	110.2 AV			1.49 H	146	67.8	42.4
4	#5984.80	59.5 PK	68.2	-8.7	1.49 H	146	52.6	6.9
5	11650.00	62.7 PK	74.0	-11.3	1.58 H	169	51.2	11.5
6	11650.00	48.6 AV	54.0	-5.4	1.58 H	169	37.1	11.5
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	#5638.00	58.8 PK	68.2	-9.4	1.93 V	258	52.5	6.3
2	*5825.00	118.4 PK			1.93 V	258	76.0	42.4
3	*5825.00	109.5 AV			1.93 V	258	67.1	42.4
4	#5963.60	60.4 PK	68.2	-7.8	1.93 V	258	53.5	6.9
5	11650.00	62.3 PK	74.0	-11.7	1.25 V	228	50.8	11.5
6	11650.00	48.2 AV	54.0	-5.8	1.25 V	228	36.7	11.5

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.8 PK	74.0	-6.2	2.21 H	216	61.9	5.9
2	5150.00	47.1 AV	54.0	-6.9	2.21 H	216	41.2	5.9
3	*5180.00	117.3 PK			2.21 H	216	75.8	41.5
4	*5180.00	105.9 AV			2.21 H	216	64.4	41.5
5	#10360.00	60.2 PK	68.2	-8.0	1.69 H	187	47.6	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.9 PK	74.0	-7.1	2.49 V	29	61.0	5.9
2	5150.00	46.9 AV	54.0	-7.1	2.49 V	29	41.0	5.9
3	*5180.00	114.3 PK			2.49 V	29	72.8	41.5
4	*5180.00	102.9 AV			2.49 V	29	61.4	41.5
5	#10360.00	59.7 PK	68.2	-8.5	2.78 V	305	47.1	12.6

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	119.0 PK			1.84 H	184	78.1	40.9
2	*5320.00	107.0 AV			1.84 H	184	66.1	40.9
3	5350.00	73.0 PK	74.0	-1.0	1.84 H	184	67.6	5.4
4	5350.00	46.8 AV	54.0	-7.2	1.84 H	184	41.4	5.4
5	10640.00	60.6 PK	74.0	-13.4	2.34 H	237	47.5	13.1
6	10640.00	49.5 AV	54.0	-4.5	2.34 H	237	36.4	13.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	117.7 PK			2.00 V	255	76.8	40.9
2	*5320.00	106.0 AV			2.00 V	255	65.1	40.9
3	5350.00	72.4 PK	74.0	-1.6	2.00 V	255	67.0	5.4
4	5350.00	46.3 AV	54.0	-7.7	2.00 V	255	40.9	5.4
5	10640.00	60.4 PK	74.0	-13.6	1.35 V	187	47.3	13.1
6	10640.00	49.2 AV	54.0	-4.8	1.35 V	187	36.1	13.1

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 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.52 H	134	57.1	5.8
2	5460.00	46.1 AV	54.0	-7.9	1.52 H	134	40.3	5.8
3	#5470.00	64.4 PK	68.2	-3.8	1.52 H	134	58.6	5.8
4	*5500.00	116.7 PK			1.52 H	134	75.2	41.5
5	*5500.00	104.0 AV			1.52 H	134	62.5	41.5
6	11000.00	61.2 PK	74.0	-12.8	1.03 H	208	48.6	12.6
7	11000.00	49.1 AV	54.0	-4.9	1.03 H	208	36.5	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	2.24 V	95	53.0	5.8
2	5460.00	45.6 AV	54.0	-8.4	2.24 V	95	39.8	5.8
3	#5470.00	60.4 PK	68.2	-7.8	2.24 V	95	54.6	5.8
4	*5500.00	114.0 PK			2.24 V	95	72.5	41.5
5	*5500.00	100.9 AV			2.24 V	95	59.4	41.5
6	11000.00	60.9 PK	74.0	-13.1	1.86 V	273	48.3	12.6
7	11000.00	48.8 AV	54.0	-5.2	1.86 V	273	36.2	12.6

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	117.0 PK			1.72 H	131	75.3	41.7
2	*5700.00	103.9 AV			1.72 H	131	62.2	41.7
3	#5725.00	67.2 PK	68.2	-1.0	1.72 H	131	61.5	5.7
4	11400.00	58.2 PK	74.0	-15.8	2.83 H	119	45.1	13.1
5	11400.00	48.3 AV	54.0	-5.7	2.83 H	119	35.2	13.1
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	114.0 PK			1.94 V	266	72.3	41.7
2	*5700.00	101.9 AV			1.94 V	266	60.2	41.7
3	#5725.00	66.4 PK	68.2	-1.8	1.94 V	266	60.7	5.7
4	11400.00	57.9 PK	74.0	-16.1	1.85 V	97	44.8	13.1
5	11400.00	47.8 AV	54.0	-6.2	1.85 V	97	34.7	13.1

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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	120.5 PK			1.62 H	134	78.8	41.7
2	*5720.00	110.1 AV			1.62 H	134	68.4	41.7
3	#5850.00	60.1 PK	68.2	-8.1	1.62 H	134	53.4	6.7
4	11440.00	64.2 PK	74.0	-9.8	1.20 H	262	51.4	12.8
5	11440.00	49.2 AV	54.0	-4.8	1.20 H	262	36.4	12.8
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	*5720.00	118.6 PK			1.97 V	259	76.9	41.7
2	*5720.00	108.2 AV			1.97 V	259	66.5	41.7
3	#5850.00	59.8 PK	68.2	-8.4	1.97 V	259	53.1	6.7
4	11440.00	63.9 PK	74.0	-10.1	2.97 V	181	51.1	12.8
5	11440.00	48.8 AV	54.0	-5.2	2.97 V	181	36.0	12.8

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5609.60	59.2 PK	68.2	-9.0	1.62 H	132	52.9	6.3
2	*5745.00	120.6 PK			1.62 H	132	78.8	41.8
3	*5745.00	110.1 AV			1.62 H	132	68.3	41.8
4	#5958.80	59.3 PK	68.2	-8.9	1.62 H	132	52.4	6.9
5	11490.00	64.0 PK	74.0	-10.0	2.88 H	279	51.1	12.9
6	11490.00	49.2 AV	54.0	-4.8	2.88 H	279	36.3	12.9
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	#5610.40	59.6 PK	68.2	-8.6	1.78 V	114	53.4	6.2
2	*5745.00	116.1 PK			1.78 V	114	74.3	41.8
3	*5745.00	105.1 AV			1.78 V	114	63.3	41.8
4	#5971.60	59.5 PK	68.2	-8.7	1.78 V	114	52.6	6.9
5	11490.00	63.6 PK	74.0	-10.4	1.45 V	35	50.7	12.9
6	11490.00	48.7 AV	54.0	-5.3	1.45 V	35	35.8	12.9

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 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.4 PK	68.2	-9.8	1.64 H	131	52.1	6.3
2	*5825.00	118.5 PK			1.64 H	131	76.1	42.4
3	*5825.00	107.9 AV			1.64 H	131	65.5	42.4
4	#5965.20	59.6 PK	68.2	-8.6	1.64 H	131	52.7	6.9
5	11650.00	62.6 PK	74.0	-11.4	3.26 H	98	51.1	11.5
6	11650.00	47.8 AV	54.0	-6.2	3.26 H	98	36.3	11.5
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	#5632.80	58.6 PK	68.2	-9.6	1.78 V	55	52.3	6.3
2	*5825.00	114.0 PK			1.78 V	55	71.6	42.4
3	*5825.00	103.8 AV			1.78 V	55	61.4	42.4
4	#5946.00	59.7 PK	68.2	-8.5	1.78 V	55	53.0	6.7
5	11650.00	62.2 PK	74.0	-11.8	1.98 V	175	50.7	11.5
6	11650.00	47.5 AV	54.0	-6.5	1.98 V	175	36.0	11.5

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	73.0 PK	74.0	-1.0	1.70 H	226	67.1	5.9
2	5150.00	46.6 AV	54.0	-7.4	1.70 H	226	40.7	5.9
3	*5180.00	112.3 PK			1.70 H	226	70.8	41.5
4	*5180.00	100.6 AV			1.70 H	226	59.1	41.5
5	#10360.00	59.3 PK	68.2	-8.9	1.00 H	147	46.7	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	72.3 PK	74.0	-1.7	1.95 V	271	66.4	5.9
2	5150.00	46.0 AV	54.0	-8.0	1.95 V	271	40.1	5.9
3	*5180.00	111.2 PK			1.95 V	271	69.7	41.5
4	*5180.00	99.1 AV			1.95 V	271	57.6	41.5
5	#10360.00	58.8 PK	68.2	-9.4	2.12 V	357	46.2	12.6

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.7 PK			1.70 H	226	71.8	40.9
2	*5320.00	100.5 AV			1.70 H	226	59.6	40.9
3	5350.00	72.9 PK	74.0	-1.1	1.70 H	226	67.5	5.4
4	5350.00	45.7 AV	54.0	-8.3	1.70 H	226	40.3	5.4
5	10640.00	60.6 PK	74.0	-13.4	1.70 H	21	47.5	13.1
6	10640.00	47.9 AV	54.0	-6.1	1.70 H	21	34.8	13.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.8 PK			1.95 V	244	69.9	40.9
2	*5320.00	98.8 AV			1.95 V	244	57.9	40.9
3	5350.00	71.7 PK	74.0	-2.3	1.95 V	244	66.3	5.4
4	5350.00	45.2 AV	54.0	-8.8	1.95 V	244	39.8	5.4
5	10640.00	60.3 PK	74.0	-13.7	2.78 V	96	47.2	13.1
6	10640.00	47.6 AV	54.0	-6.4	2.78 V	96	34.5	13.1

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 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	66.6 PK	74.0	-7.4	1.72 H	129	60.8	5.8
2	5460.00	45.9 AV	54.0	-8.1	1.72 H	129	40.1	5.8
3	#5470.00	67.0 PK	68.2	-1.2	1.72 H	129	61.2	5.8
4	*5500.00	114.8 PK			1.72 H	129	73.3	41.5
5	*5500.00	101.9 AV			1.72 H	129	60.4	41.5
6	11000.00	59.4 PK	74.0	-14.6	1.75 H	71	46.8	12.6
7	11000.00	47.7 AV	54.0	-6.3	1.75 H	71	35.1	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	1.94 V	263	56.7	5.8
2	5460.00	45.6 AV	54.0	-8.4	1.94 V	263	39.8	5.8
3	#5470.00	64.1 PK	68.2	-4.1	1.94 V	263	58.3	5.8
4	*5500.00	110.7 PK			1.94 V	263	69.2	41.5
5	*5500.00	98.6 AV			1.94 V	263	57.1	41.5
6	11000.00	58.7 PK	74.0	-15.3	3.43 V	197	46.1	12.6
7	11000.00	47.2 AV	54.0	-6.8	3.43 V	197	34.6	12.6

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.8 PK			1.72 H	129	70.1	41.7
2	*5700.00	99.7 AV			1.72 H	129	58.0	41.7
3	#5725.00	66.3 PK	68.2	-1.9	1.72 H	129	60.3	6.0
4	11400.00	57.1 PK	74.0	-16.9	3.54 H	244	44.2	12.9
5	11400.00	48.2 AV	54.0	-5.8	3.54 H	244	35.3	12.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.3 PK			1.91 V	267	68.6	41.7
2	*5700.00	98.1 AV			1.91 V	267	56.4	41.7
3	#5725.00	61.7 PK	68.2	-6.5	1.91 V	267	55.7	6.0
4	11400.00	56.5 PK	74.0	-17.5	2.69 V	85	43.6	12.9
5	11400.00	47.9 AV	54.0	-6.1	2.69 V	85	35.0	12.9

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) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	117.7 PK			1.72 H	130	76.0	41.7
2	*5720.00	105.6 AV			1.72 H	130	63.9	41.7
3	#5850.00	67.2 PK	68.2	-1.0	1.72 H	130	60.5	6.7
4	11440.00	61.7 PK	74.0	-12.3	3.76 H	130	48.9	12.8
5	11440.00	49.0 AV	54.0	-5.0	3.76 H	130	36.2	12.8
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	*5720.00	116.2 PK			1.91 V	267	74.5	41.7
2	*5720.00	104.0 AV			1.91 V	267	62.3	41.7
3	#5850.00	66.9 PK	68.2	-1.3	1.91 V	267	60.2	6.7
4	11440.00	61.6 PK	74.0	-12.4	2.30 V	316	48.8	12.8
5	11440.00	48.8 AV	54.0	-5.2	2.30 V	316	36.0	12.8

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 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.80	59.2 PK	68.2	-9.0	1.72 H	130	52.9	6.3
2	*5745.00	118.8 PK			1.72 H	130	77.0	41.8
3	*5745.00	106.3 AV			1.72 H	130	64.5	41.8
4	#5938.80	59.8 PK	68.2	-8.4	1.72 H	130	53.1	6.7
5	11490.00	62.2 PK	74.0	-11.8	1.66 H	303	49.3	12.9
6	11490.00	48.7 AV	54.0	-5.3	1.66 H	303	35.8	12.9
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	#5635.20	58.5 PK	68.2	-9.7	1.91 V	248	52.2	6.3
2	*5745.00	115.5 PK			1.91 V	248	73.7	41.8
3	*5745.00	104.3 AV			1.91 V	248	62.5	41.8
4	#5960.80	60.0 PK	68.2	-8.2	1.91 V	248	53.1	6.9
5	11490.00	61.8 PK	74.0	-12.2	2.39 V	290	48.9	12.9
6	11490.00	48.3 AV	54.0	-5.7	2.39 V	290	35.4	12.9

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 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.0 PK	68.2	-9.2	1.72 H	130	52.7	6.3
2	*5825.00	115.8 PK			1.72 H	130	73.4	42.4
3	*5825.00	104.3 AV			1.72 H	130	61.9	42.4
4	#5938.00	67.1 PK	68.2	-1.1	1.72 H	130	60.4	6.7
5	11650.00	60.2 PK	74.0	-13.8	3.38 H	215	48.7	11.5
6	11650.00	47.4 AV	54.0	-6.6	3.38 H	215	35.9	11.5
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	#5638.80	59.9 PK	68.2	-8.3	1.91 V	267	53.6	6.3
2	*5825.00	114.8 PK			1.91 V	267	72.4	42.4
3	*5825.00	103.3 AV			1.91 V	267	60.9	42.4
4	#5933.60	65.8 PK	68.2	-2.4	1.91 V	267	59.1	6.7
5	11650.00	59.8 PK	74.0	-14.2	2.05 V	72	48.3	11.5
6	11650.00	47.1 AV	54.0	-6.9	2.05 V	72	35.6	11.5

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.7 PK	74.0	-5.3	2.58 H	166	63.1	5.6
2	5150.00	52.6 AV	54.0	-1.4	2.58 H	166	47.0	5.6
3	*5180.00	114.0 PK			2.58 H	166	72.5	41.5
4	*5180.00	101.0 AV			2.58 H	166	59.5	41.5
5	#10360.00	60.3 PK	68.2	-7.9	2.27 H	103	49.0	11.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.2 PK	74.0	-5.8	2.58 V	251	62.6	5.6
2	5150.00	52.3 AV	54.0	-1.7	2.58 V	251	46.7	5.6
3	*5180.00	112.9 PK			2.58 V	251	71.4	41.5
4	*5180.00	99.9 AV			2.58 V	251	58.4	41.5
5	#10360.00	60.1 PK	68.2	-8.1	2.79 V	218	48.8	11.3

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	115.8 PK			2.58 H	164	74.4	41.4
2	*5200.00	102.8 AV			2.58 H	164	61.4	41.4
3	#10400.00	60.2 PK	68.2	-8.0	1.20 H	335	48.7	11.5
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	*5200.00	114.7 PK			2.58 V	251	73.3	41.4
2	*5200.00	101.7 AV			2.58 V	251	60.3	41.4
3	#10400.00	59.9 PK	68.2	-8.3	3.47 V	257	48.4	11.5

Remarks:

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

RF Mode	802.11ax (HE20) Full RU	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	115.8 PK			2.58 H	165	74.6	41.2
2	*5240.00	102.8 AV			2.58 H	165	61.6	41.2
3	5350.00	58.1 PK	74.0	-15.9	2.58 H	165	53.1	5.0
4	5350.00	45.1 AV	54.0	-8.9	2.58 H	165	40.1	5.0
5	#10480.00	61.1 PK	68.2	-7.1	3.07 H	347	49.0	12.1
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	*5240.00	114.9 PK			2.58 V	252	73.7	41.2
2	*5240.00	101.9 AV			2.58 V	252	60.7	41.2
3	5350.00	57.7 PK	74.0	-16.3	2.58 V	252	52.7	5.0
4	5350.00	44.7 AV	54.0	-9.3	2.58 V	252	39.7	5.0
5	#10480.00	60.7 PK	68.2	-7.5	2.35 V	342	48.6	12.1

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 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.58 H	165	52.5	5.6
2	5150.00	45.2 AV	54.0	-8.8	2.58 H	165	39.6	5.6
3	*5260.00	116.7 PK			2.58 H	165	75.6	41.1
4	*5260.00	103.7 AV			2.58 H	165	62.6	41.1
5	#10520.00	61.0 PK	68.2	-7.2	1.26 H	112	48.9	12.1
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	57.9 PK	74.0	-16.1	2.58 V	252	52.3	5.6
2	5150.00	45.0 AV	54.0	-9.0	2.58 V	252	39.4	5.6
3	*5260.00	115.3 PK			2.58 V	252	74.2	41.1
4	*5260.00	102.3 AV			2.58 V	252	61.2	41.1
5	#10520.00	60.7 PK	68.2	-7.5	3.13 V	283	48.6	12.1

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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	117.0 PK			2.69 H	166	76.1	40.9
2	*5300.00	104.0 AV			2.69 H	166	63.1	40.9
3	5350.00	72.2 PK	74.0	-1.8	2.69 H	166	67.2	5.0
4	5350.00	52.6 AV	54.0	-1.4	2.69 H	166	47.6	5.0
5	10600.00	60.6 PK	74.0	-13.4	3.59 H	34	48.9	11.7
6	10600.00	48.0 AV	54.0	-6.0	3.59 H	34	36.3	11.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	113.3 PK			2.62 V	283	72.4	40.9
2	*5300.00	100.3 AV			2.62 V	283	59.4	40.9
3	5350.00	64.6 PK	74.0	-9.4	2.62 V	283	59.6	5.0
4	5350.00	46.8 AV	54.0	-7.2	2.62 V	283	41.8	5.0
5	10600.00	60.3 PK	74.0	-13.7	1.33 V	114	48.6	11.7
6	10600.00	47.6 AV	54.0	-6.4	1.33 V	114	35.9	11.7

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 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	115.6 PK			2.72 H	165	74.7	40.9
2	*5320.00	102.6 AV			2.72 H	165	61.7	40.9
3	5350.00	68.7 PK	74.0	-5.3	2.72 H	165	63.7	5.0
4	5350.00	53.0 AV	54.0	-1.0	2.72 H	165	48.0	5.0
5	10640.00	60.6 PK	74.0	-13.4	1.80 H	221	48.8	11.8
6	10640.00	47.1 AV	54.0	-6.9	1.80 H	221	35.3	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.3 PK			2.02 V	259	72.4	40.9
2	*5320.00	100.3 AV			2.02 V	259	59.4	40.9
3	5350.00	65.7 PK	74.0	-8.3	2.02 V	259	60.7	5.0
4	5350.00	50.2 AV	54.0	-3.8	2.02 V	259	45.2	5.0
5	10640.00	60.2 PK	74.0	-13.8	2.30 V	167	48.4	11.8
6	10640.00	46.9 AV	54.0	-7.1	2.30 V	167	35.1	11.8

Remarks:

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

RF Mode	802.11ax (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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.1 PK	74.0	-9.9	2.34 H	173	58.7	5.4
2	5460.00	48.7 AV	54.0	-5.3	2.34 H	173	43.3	5.4
3	#5470.00	67.1 PK	68.2	-1.1	2.34 H	173	61.7	5.4
4	*5500.00	115.5 PK			2.34 H	168	74.0	41.5
5	*5500.00	102.5 AV			2.34 H	168	61.0	41.5
6	11000.00	61.0 PK	74.0	-13.0	2.86 H	81	49.2	11.8
7	11000.00	46.6 AV	54.0	-7.4	2.86 H	81	34.8	11.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.99 V	267	56.4	5.4
2	5460.00	47.9 AV	54.0	-6.1	1.99 V	267	42.5	5.4
3	#5470.00	66.0 PK	68.2	-2.2	1.99 V	267	60.6	5.4
4	*5500.00	113.7 PK			1.99 V	267	72.2	41.5
5	*5500.00	100.7 AV			1.99 V	267	59.2	41.5
6	11000.00	60.6 PK	74.0	-13.4	2.08 V	213	48.8	11.8
7	11000.00	46.4 AV	54.0	-7.6	2.08 V	213	34.6	11.8

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	116.3 PK			2.34 H	134	74.5	41.8
2	*5580.00	103.3 AV			2.34 H	134	61.5	41.8
3	11160.00	60.1 PK	74.0	-13.9	1.24 H	59	48.8	11.3
4	11160.00	46.5 AV	54.0	-7.5	1.24 H	59	35.2	11.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	114.7 PK			1.96 V	268	72.9	41.8
2	*5580.00	101.7 AV			1.96 V	268	59.9	41.8
3	11160.00	59.8 PK	74.0	-14.2	2.44 V	104	48.5	11.3
4	11160.00	46.2 AV	54.0	-7.8	2.44 V	104	34.9	11.3

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	113.2 PK			2.27 H	136	71.5	41.7
2	*5700.00	100.2 AV			2.27 H	136	58.5	41.7
3	#5725.00	67.0 PK	68.2	-1.2	2.27 H	136	61.3	5.7
4	11400.00	60.3 PK	74.0	-13.7	1.75 H	56	49.0	11.3
5	11400.00	46.3 AV	54.0	-7.7	1.75 H	56	35.0	11.3
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	*5700.00	111.9 PK			1.90 V	267	70.2	41.7
2	*5700.00	98.9 AV			1.90 V	267	57.2	41.7
3	#5725.00	65.2 PK	68.2	-3.0	1.90 V	267	59.5	5.7
4	11400.00	60.0 PK	74.0	-14.0	2.81 V	205	48.7	11.3
5	11400.00	46.0 AV	54.0	-8.0	2.81 V	205	34.7	11.3

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5720.00	116.5 PK			2.20 H	136	74.8	41.7
2	*5720.00	103.5 AV			2.20 H	136	61.8	41.7
3	#5850.00	59.5 PK	68.2	-8.7	2.20 H	136	53.1	6.4
4	11440.00	60.1 PK	74.0	-13.9	3.06 H	251	48.8	11.3
5	11440.00	46.5 AV	54.0	-7.5	3.06 H	251	35.2	11.3
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	*5720.00	114.9 PK			1.91 V	267	73.2	41.7
2	*5720.00	101.9 AV			1.91 V	267	60.2	41.7
3	#5850.00	59.3 PK	68.2	-8.9	1.91 V	267	52.9	6.4
4	11440.00	59.8 PK	74.0	-14.2	2.04 V	334	48.5	11.3
5	11440.00	46.0 AV	54.0	-8.0	2.04 V	334	34.7	11.3

Remarks:

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

RF Mode	802.11ax (HE20) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.40	58.8 PK	68.2	-9.4	2.21 H	135	52.9	5.9
2	*5745.00	116.4 PK			2.21 H	135	74.6	41.8
3	*5745.00	103.4 AV			2.21 H	135	61.6	41.8
4	#5961.20	60.4 PK	68.2	-7.8	2.21 H	135	53.8	6.6
5	11490.00	60.4 PK	74.0	-13.6	2.41 H	126	49.0	11.4
6	11490.00	46.6 AV	54.0	-7.4	2.41 H	126	35.2	11.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.20	58.6 PK	68.2	-9.6	1.90 V	267	52.7	5.9
2	*5745.00	115.0 PK			1.90 V	267	73.2	41.8
3	*5745.00	102.0 AV			1.90 V	267	60.2	41.8
4	#5976.00	59.5 PK	68.2	-8.7	1.90 V	267	52.9	6.6
5	11490.00	60.1 PK	74.0	-13.9	3.67 V	232	48.7	11.4
6	11490.00	46.0 AV	54.0	-8.0	3.67 V	232	34.6	11.4

Remarks:

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

RF Mode	802.11ax (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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.6 PK	68.2	-9.6	2.13 H	140	52.7	5.9
2	*5785.00	116.2 PK			2.13 H	140	74.1	42.1
3	*5785.00	103.2 AV			2.13 H	140	61.1	42.1
4	#5942.40	59.9 PK	68.2	-8.3	2.13 H	140	53.4	6.5
5	11570.00	60.0 PK	74.0	-14.0	1.05 H	80	49.1	10.9
6	11570.00	46.2 AV	54.0	-7.8	1.05 H	80	35.3	10.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.60	58.8 PK	68.2	-9.4	1.92 V	267	52.9	5.9
2	*5785.00	115.7 PK			1.92 V	267	73.6	42.1
3	*5785.00	102.7 AV			1.92 V	267	60.6	42.1
4	#5958.00	59.5 PK	68.2	-8.7	1.92 V	267	52.9	6.6
5	11570.00	59.8 PK	74.0	-14.2	3.08 V	355	48.9	10.9
6	11570.00	46.0 AV	54.0	-8.0	3.08 V	355	35.1	10.9

Remarks:

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

RF Mode	802.11ax (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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.00	58.8 PK	68.2	-9.4	2.13 H	140	52.9	5.9
2	*5825.00	116.4 PK			2.13 H	140	74.0	42.4
3	*5825.00	103.4 AV			2.13 H	140	61.0	42.4
4	#5926.80	64.6 PK	68.2	-3.6	2.13 H	140	58.1	6.5
5	11650.00	59.5 PK	74.0	-14.5	3.38 H	327	49.0	10.5
6	11650.00	45.4 AV	54.0	-8.6	3.38 H	327	34.9	10.5
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	#5622.40	58.8 PK	68.2	-9.4	1.90 V	267	52.9	5.9
2	*5825.00	115.4 PK			1.90 V	267	73.0	42.4
3	*5825.00	102.4 AV			1.90 V	267	60.0	42.4
4	#5928.80	60.5 PK	68.2	-7.7	1.90 V	267	54.0	6.5
5	11650.00	59.3 PK	74.0	-14.7	3.11 V	138	48.8	10.5
6	11650.00	45.2 AV	54.0	-8.8	3.11 V	138	34.7	10.5

Remarks:

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

RF Mode	802.11ax (HE40) Full RU	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.3 PK	74.0	-6.7	2.34 H	229	61.7	5.6
2	5150.00	52.9 AV	54.0	-1.1	2.34 H	229	47.3	5.6
3	*5190.00	110.6 PK			2.34 H	229	69.2	41.4
4	*5190.00	97.7 AV			2.34 H	229	56.3	41.4
5	#10380.00	61.8 PK	68.2	-6.4	1.23 H	194	48.9	12.9
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	67.1 PK	74.0	-6.9	2.50 V	246	61.5	5.6
2	5150.00	52.7 AV	54.0	-1.3	2.50 V	246	47.1	5.6
3	*5190.00	109.8 PK			2.50 V	246	68.4	41.4
4	*5190.00	96.9 AV			2.50 V	246	55.5	41.4
5	#10380.00	61.4 PK	68.2	-6.8	2.40 V	136	48.5	12.9

Remarks:

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

RF Mode	802.11ax (HE40) Full RU	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.6 PK	74.0	-4.4	2.34 H	246	64.0	5.6
2	5150.00	52.7 AV	54.0	-1.3	2.34 H	246	47.1	5.6
3	*5230.00	112.1 PK			2.34 H	246	70.8	41.3
4	*5230.00	99.2 AV			2.34 H	246	57.9	41.3
5	5350.00	67.1 PK	74.0	-6.9	2.34 H	246	62.1	5.0
6	5350.00	49.5 AV	54.0	-4.5	2.34 H	246	44.5	5.0
7	#10460.00	62.6 PK	68.2	-5.6	1.02 H	96	49.2	13.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.2 PK	74.0	-4.8	2.50 V	245	63.6	5.6
2	5150.00	52.0 AV	54.0	-2.0	2.50 V	245	46.4	5.6
3	*5230.00	111.1 PK			2.50 V	245	69.8	41.3
4	*5230.00	98.2 AV			2.50 V	245	56.9	41.3
5	5350.00	65.8 PK	74.0	-8.2	2.50 V	245	60.8	5.0
6	5350.00	47.8 AV	54.0	-6.2	2.50 V	245	42.8	5.0
7	#10460.00	62.2 PK	68.2	-6.0	1.28 V	151	48.8	13.4

Remarks:

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

RF Mode	802.11ax (HE40) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	1.50 H	197	59.0	5.6
2	5150.00	46.6 AV	54.0	-7.4	1.50 H	197	41.0	5.6
3	*5270.00	113.7 PK			1.50 H	197	72.6	41.1
4	*5270.00	100.5 AV			1.50 H	197	59.4	41.1
5	5350.00	70.2 PK	74.0	-3.8	1.50 H	197	65.2	5.0
6	5350.00	51.1 AV	54.0	-2.9	1.50 H	197	46.1	5.0
7	#10540.00	61.2 PK	68.2	-7.0	3.27 H	255	47.8	13.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.0 PK	74.0	-11.0	2.22 V	284	57.4	5.6
2	5150.00	46.5 AV	54.0	-7.5	2.22 V	284	40.9	5.6
3	*5270.00	111.9 PK			2.22 V	284	70.8	41.1
4	*5270.00	98.8 AV			2.22 V	284	57.7	41.1
5	5350.00	67.3 PK	74.0	-6.7	2.22 V	284	62.3	5.0
6	5350.00	48.4 AV	54.0	-5.6	2.22 V	284	43.4	5.0
7	#10540.00	60.6 PK	68.2	-7.6	1.30 V	57	47.2	13.4

Remarks:

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

RF Mode	802.11ax (HE40) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.8 PK			1.47 H	206	69.9	40.9
2	*5310.00	98.0 AV			1.47 H	206	57.1	40.9
3	5350.00	65.7 PK	74.0	-8.3	1.47 H	206	60.7	5.0
4	5350.00	52.6 AV	54.0	-1.4	1.47 H	206	47.6	5.0
5	10620.00	60.8 PK	74.0	-13.2	3.45 H	218	47.6	13.2
6	10620.00	47.8 AV	54.0	-6.2	3.45 H	218	34.6	13.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.2 PK			2.05 V	260	69.3	40.9
2	*5310.00	96.9 AV			2.05 V	260	56.0	40.9
3	5350.00	64.4 PK	74.0	-9.6	2.05 V	260	59.4	5.0
4	5350.00	50.7 AV	54.0	-3.3	2.05 V	260	45.7	5.0
5	10620.00	61.2 PK	74.0	-12.8	2.73 V	57	48.0	13.2
6	10620.00	48.1 AV	54.0	-5.9	2.73 V	57	34.9	13.2

Remarks:

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

RF Mode	802.11ax (HE40) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.1 PK	74.0	-9.9	1.51 H	140	58.7	5.4
2	5460.00	50.4 AV	54.0	-3.6	1.51 H	140	45.0	5.4
3	#5470.00	67.2 PK	68.2	-1.0	1.51 H	140	61.8	5.4
4	*5510.00	110.3 PK			1.51 H	140	68.7	41.6
5	*5510.00	96.9 AV			1.51 H	140	55.3	41.6
6	11020.00	60.5 PK	74.0	-13.5	3.97 H	13	47.8	12.7
7	11020.00	47.8 AV	54.0	-6.2	3.97 H	13	35.1	12.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	2.05 V	260	54.7	5.4
2	5460.00	47.8 AV	54.0	-6.2	2.05 V	260	42.4	5.4
3	#5470.00	64.8 PK	68.2	-3.4	2.05 V	260	59.4	5.4
4	*5510.00	108.5 PK			2.05 V	260	66.9	41.6
5	*5510.00	95.5 AV			2.05 V	260	53.9	41.6
6	11020.00	60.1 PK	74.0	-13.9	2.05 V	129	47.4	12.7
7	11020.00	47.4 AV	54.0	-6.6	2.05 V	129	34.7	12.7

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 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.2 PK	74.0	-9.8	1.63 H	138	58.8	5.4
2	5460.00	49.3 AV	54.0	-4.7	1.63 H	138	43.9	5.4
3	#5470.00	67.2 PK	68.2	-1.0	1.63 H	138	61.8	5.4
4	*5550.00	114.4 PK			1.63 H	138	72.7	41.7
5	*5550.00	100.7 AV			1.63 H	138	59.0	41.7
6	11100.00	60.1 PK	74.0	-13.9	2.02 H	304	47.7	12.4
7	11100.00	47.2 AV	54.0	-6.8	2.02 H	304	34.8	12.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.4 PK	74.0	-13.6	1.69 V	112	55.0	5.4
2	5460.00	46.2 AV	54.0	-7.8	1.69 V	112	40.8	5.4
3	#5470.00	61.6 PK	68.2	-6.6	1.69 V	112	56.2	5.4
4	*5550.00	110.4 PK			1.69 V	112	68.7	41.7
5	*5550.00	97.6 AV			1.69 V	112	55.9	41.7
6	11100.00	59.9 PK	74.0	-14.1	1.52 V	135	47.5	12.4
7	11100.00	47.0 AV	54.0	-7.0	1.52 V	135	34.6	12.4

Remarks:

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

RF Mode	802.11ax (HE40) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.8 PK			1.57 H	137	72.0	41.8
2	*5670.00	100.2 AV			1.57 H	137	58.4	41.8
3	#5725.00	66.9 PK	68.2	-1.3	1.57 H	137	61.2	5.7
4	11340.00	61.0 PK	74.0	-13.0	2.86 H	125	48.2	12.8
5	11340.00	48.0 AV	54.0	-6.0	2.86 H	125	35.2	12.8
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	*5670.00	112.4 PK			2.45 V	260	70.6	41.8
2	*5670.00	99.0 AV			2.45 V	260	57.2	41.8
3	#5725.00	65.8 PK	68.2	-2.4	2.45 V	260	60.1	5.7
4	11340.00	61.0 PK	74.0	-13.0	2.86 V	125	48.2	12.8
5	11340.00	48.0 AV	54.0	-6.0	2.86 V	125	35.2	12.8

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 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5710.00	115.0 PK			1.47 H	138	73.3	41.7
2	*5710.00	102.3 AV			1.47 H	138	60.6	41.7
3	#5850.00	66.3 PK	68.2	-1.9	1.47 H	138	59.9	6.4
4	11420.00	61.4 PK	74.0	-12.6	1.95 H	119	48.2	13.2
5	11420.00	48.0 AV	54.0	-6.0	1.95 H	119	34.8	13.2
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	*5710.00	112.7 PK			2.00 V	265	71.0	41.7
2	*5710.00	99.7 AV			2.00 V	265	58.0	41.7
3	#5850.00	65.3 PK	68.2	-2.9	2.00 V	265	58.9	6.4
4	11420.00	60.9 PK	74.0	-13.1	3.02 V	205	47.7	13.2
5	11420.00	47.7 AV	54.0	-6.3	3.02 V	205	34.5	13.2

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 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.7 PK	68.2	-4.5	1.57 H	138	57.9	5.8
2	*5755.00	115.0 PK			1.57 H	138	73.1	41.9
3	*5755.00	101.9 AV			1.57 H	138	60.0	41.9
4	#5946.40	59.7 PK	68.2	-8.5	1.57 H	138	53.2	6.5
5	11510.00	60.8 PK	74.0	-13.2	1.02 H	97	47.9	12.9
6	11510.00	48.2 AV	54.0	-5.8	1.02 H	97	35.3	12.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.80	63.0 PK	68.2	-5.2	2.42 V	256	57.2	5.8
2	*5755.00	113.5 PK			2.42 V	256	71.6	41.9
3	*5755.00	100.8 AV			2.42 V	256	58.9	41.9
4	#5963.20	59.2 PK	68.2	-9.0	2.42 V	256	52.6	6.6
5	11510.00	60.4 PK	74.0	-13.6	1.82 V	298	47.5	12.9
6	11510.00	47.9 AV	54.0	-6.1	1.82 V	298	35.0	12.9

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 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.00	59.0 PK	68.2	-9.2	1.53 H	138	53.1	5.9
2	*5795.00	114.9 PK			1.53 H	138	72.7	42.2
3	*5795.00	102.1 AV			1.53 H	138	59.9	42.2
4	#5937.20	59.8 PK	68.2	-8.4	1.53 H	138	53.3	6.5
5	11590.00	59.9 PK	74.0	-14.1	2.88 H	101	47.8	12.1
6	11590.00	47.4 AV	54.0	-6.6	2.88 H	101	35.3	12.1
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	#5636.00	58.9 PK	68.2	-9.3	2.42 V	263	53.0	5.9
2	*5795.00	113.5 PK			2.42 V	263	71.3	42.2
3	*5795.00	100.6 AV			2.42 V	263	58.4	42.2
4	#5950.40	59.5 PK	68.2	-8.7	2.42 V	263	53.0	6.5
5	11590.00	59.4 PK	74.0	-14.6	2.32 V	337	47.3	12.1
6	11590.00	47.2 AV	54.0	-6.8	2.32 V	337	35.1	12.1

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 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.9 PK	74.0	-8.1	1.53 H	173	60.3	5.6
2	5150.00	52.8 AV	54.0	-1.2	1.53 H	173	47.2	5.6
3	*5210.00	106.2 PK			1.53 H	172	64.8	41.4
4	*5210.00	93.5 AV			1.53 H	172	52.1	41.4
5	#10420.00	61.4 PK	68.2	-6.8	1.96 H	156	48.2	13.2
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	5150.00	66.5 PK	74.0	-7.5	1.66 V	281	60.9	5.6
2	5150.00	51.2 AV	54.0	-2.8	1.66 V	281	45.6	5.6
3	*5210.00	104.7 PK			1.66 V	281	63.3	41.4
4	*5210.00	92.2 AV			1.66 V	281	50.8	41.4
5	#10420.00	61.4 PK	68.2	-6.8	1.96 V	156	48.2	13.2

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 (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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	108.4 PK			1.65 H	177	67.5	40.9
2	*5290.00	95.7 AV			1.65 H	177	54.8	40.9
3	5350.00	68.1 PK	74.0	-5.9	1.65 H	177	63.1	5.0
4	5350.00	52.9 AV	54.0	-1.1	1.65 H	177	47.9	5.0
5	#10580.00	61.3 PK	68.2	-6.9	3.06 H	206	48.0	13.3
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	*5290.00	106.1 PK			2.04 V	266	65.2	40.9
2	*5290.00	93.9 AV			2.04 V	266	53.0	40.9
3	5350.00	69.9 PK	74.0	-4.1	2.04 V	266	64.9	5.0
4	5350.00	52.9 AV	54.0	-1.1	2.04 V	266	47.9	5.0
5	#10580.00	60.9 PK	68.2	-7.3	2.01 V	60	47.6	13.3

Remarks:

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

RF Mode	802.11ax (HE80) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.4 PK	74.0	-8.6	2.00 H	124	60.0	5.4
2	5460.00	52.7 AV	54.0	-1.3	2.00 H	124	47.3	5.4
3	#5470.00	67.1 PK	68.2	-1.1	2.00 H	124	61.7	5.4
4	*5530.00	107.0 PK			2.00 H	124	65.3	41.7
5	*5530.00	94.8 AV			2.00 H	124	53.1	41.7
6	11060.00	60.3 PK	74.0	-13.7	1.02 H	111	47.7	12.6
7	11060.00	47.6 AV	54.0	-6.4	1.02 H	111	35.0	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	2.49 V	256	55.4	5.4
2	5460.00	48.7 AV	54.0	-5.3	2.49 V	256	43.3	5.4
3	#5470.00	62.9 PK	68.2	-5.3	2.49 V	256	57.5	5.4
4	*5530.00	105.7 PK			2.49 V	256	64.0	41.7
5	*5530.00	92.8 AV			2.49 V	256	51.1	41.7
6	11060.00	59.8 PK	74.0	-14.2	1.86 V	220	47.2	12.6
7	11060.00	47.2 AV	54.0	-6.8	1.86 V	220	34.6	12.6

Remarks:

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

RF Mode	802.11ax (HE80) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.7 PK			1.56 H	139	69.8	41.9
2	*5610.00	98.4 AV			1.56 H	139	56.5	41.9
3	#5725.00	67.0 PK	68.2	-1.2	1.56 H	139	61.3	5.7
4	11220.00	60.5 PK	74.0	-13.5	1.61 H	195	47.9	12.6
5	11220.00	47.9 AV	54.0	-6.1	1.61 H	195	35.3	12.6
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	*5610.00	108.8 PK			2.47 V	259	66.9	41.9
2	*5610.00	96.3 AV			2.47 V	259	54.4	41.9
3	#5725.00	63.6 PK	68.2	-4.6	2.47 V	259	57.9	5.7
4	11220.00	60.0 PK	74.0	-14.0	1.47 V	40	47.4	12.6
5	11220.00	47.7 AV	54.0	-6.3	1.47 V	40	35.1	12.6

Remarks:

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

RF Mode	802.11ax (HE80) 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5690.00	113.0 PK			1.42 H	202	71.3	41.7
2	*5690.00	100.3 AV			1.42 H	202	58.6	41.7
3	#5850.00	66.7 PK	68.2	-1.5	1.42 H	202	60.3	6.4
4	11380.00	61.3 PK	74.0	-12.7	3.82 H	242	48.3	13.0
5	11380.00	47.9 AV	54.0	-6.1	3.82 H	242	34.9	13.0
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	*5690.00	110.3 PK			1.98 V	256	68.6	41.7
2	*5690.00	97.6 AV			1.98 V	256	55.9	41.7
3	#5850.00	63.8 PK	68.2	-4.4	1.98 V	256	57.4	6.4
4	11380.00	61.0 PK	74.0	-13.0	3.88 V	130	48.0	13.0
5	11380.00	47.6 AV	54.0	-6.4	3.88 V	130	34.6	13.0

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 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	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.80	66.0 PK	68.2	-2.2	1.64 H	135	60.1	5.9
2	*5775.00	110.4 PK			1.64 H	135	68.4	42.0
3	*5775.00	97.4 AV			1.64 H	135	55.4	42.0
4	#5930.40	60.1 PK	68.2	-8.1	1.64 H	135	53.6	6.5
5	11550.00	60.5 PK	74.0	-13.5	3.20 H	341	48.0	12.5
6	11550.00	47.8 AV	54.0	-6.2	3.20 H	341	35.3	12.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.40	61.6 PK	68.2	-6.6	1.97 V	267	55.7	5.9
2	#5650.40	63.3 PK	68.5	-5.2	1.97 V	267	57.5	5.8
3	*5775.00	109.0 PK			1.97 V	267	67.0	42.0
4	*5775.00	96.0 AV			1.97 V	267	54.0	42.0
5	#5974.00	60.3 PK	68.2	-7.9	1.97 V	267	53.7	6.6
6	11550.00	60.2 PK	74.0	-13.8	1.37 V	224	47.7	12.5
7	11550.00	47.2 AV	54.0	-6.8	1.37 V	224	34.7	12.5

Remarks:

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

RF Mode	802.11ax (HE160) Full RU	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	2.20 H	172	55.1	5.6
2	5150.00	47.3 AV	54.0	-6.7	2.20 H	172	41.7	5.6
3	*5250.00	102.7 PK			2.20 H	172	61.5	41.2
4	*5250.00	90.1 AV			2.20 H	172	48.9	41.2
5	5350.00	66.2 PK	74.0	-7.8	2.20 H	172	61.2	5.0
6	5350.00	53.0 AV	54.0	-1.0	2.20 H	172	48.0	5.0
7	#10500.00	61.4 PK	68.2	-6.8	1.32 H	353	47.8	13.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.0 PK	74.0	-13.0	2.04 V	267	55.4	5.6
2	5150.00	47.2 AV	54.0	-6.8	2.04 V	267	41.6	5.6
3	*5250.00	101.5 PK			2.04 V	267	60.3	41.2
4	*5250.00	89.3 AV			2.04 V	267	48.1	41.2
5	5350.00	65.6 PK	74.0	-8.4	2.04 V	267	60.6	5.0
6	5350.00	51.3 AV	54.0	-2.7	2.04 V	267	46.3	5.0
7	#10500.00	61.1 PK	68.2	-7.1	3.49 V	310	47.5	13.6

Remarks:

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

RF Mode	802.11ax (HE160) Full RU	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 62 % RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	66.6 PK	74.0	-7.4	2.16 H	142	61.2	5.4
2	5460.00	52.9 AV	54.0	-1.1	2.16 H	142	47.5	5.4
3	#5470.00	64.7 PK	68.2	-3.5	2.16 H	142	59.3	5.4
4	*5570.00	103.9 PK			2.16 H	142	62.1	41.8
5	*5570.00	91.5 AV			2.16 H	142	49.7	41.8
6	11140.00	60.4 PK	74.0	-13.6	3.39 H	218	47.8	12.6
7	11140.00	47.5 AV	54.0	-6.5	3.39 H	218	34.9	12.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.90 V	248	57.5	5.4
2	5460.00	49.6 AV	54.0	-4.4	1.90 V	248	44.2	5.4
3	#5470.00	61.0 PK	68.2	-7.2	1.90 V	248	55.6	5.4
4	*5570.00	101.5 PK			1.90 V	248	59.7	41.8
5	*5570.00	88.6 AV			1.90 V	248	46.8	41.8
6	11140.00	59.8 PK	74.0	-14.2	2.27 V	22	47.2	12.6
7	11140.00	47.2 AV	54.0	-6.8	2.27 V	22	34.6	12.6

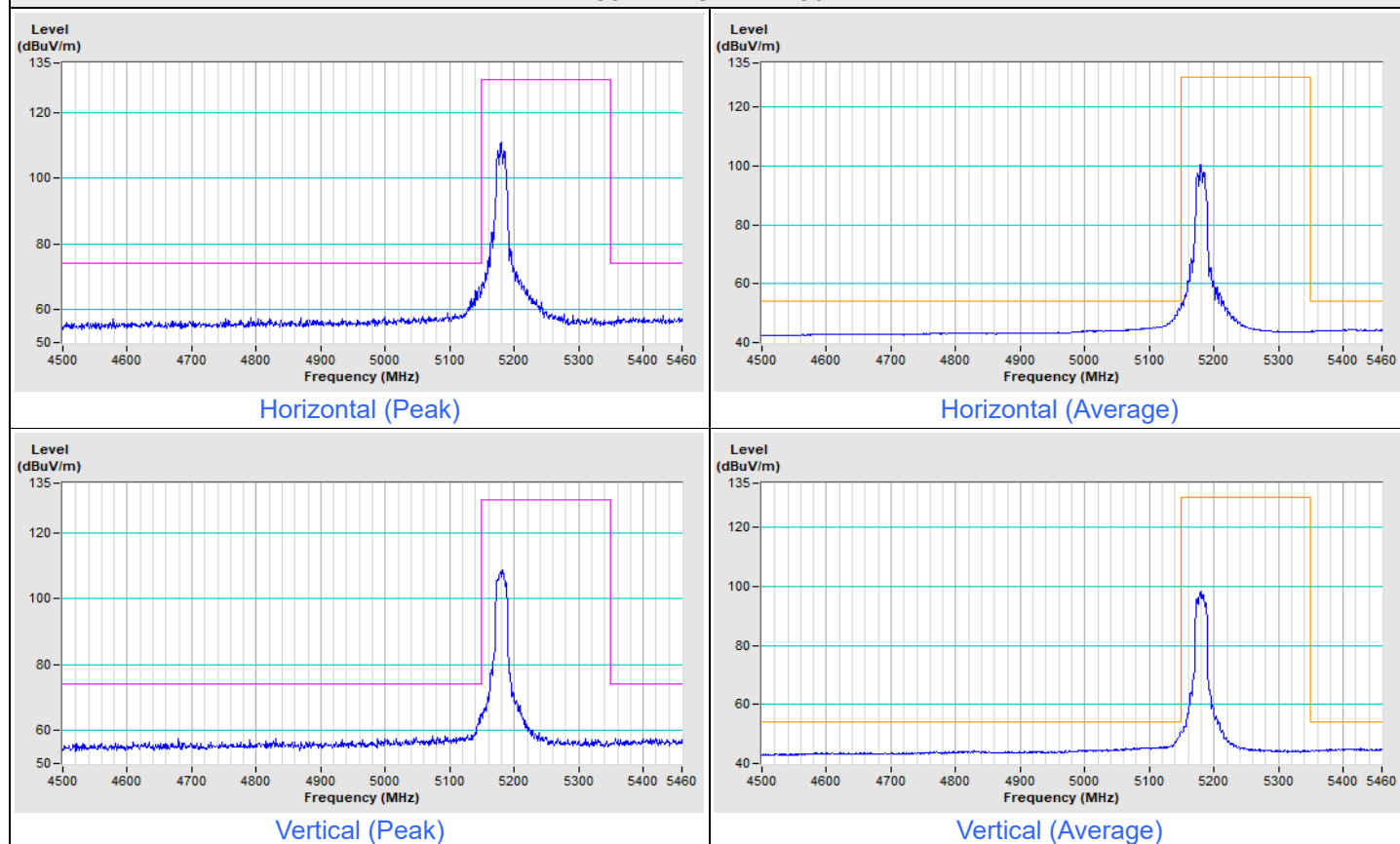
Remarks:

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

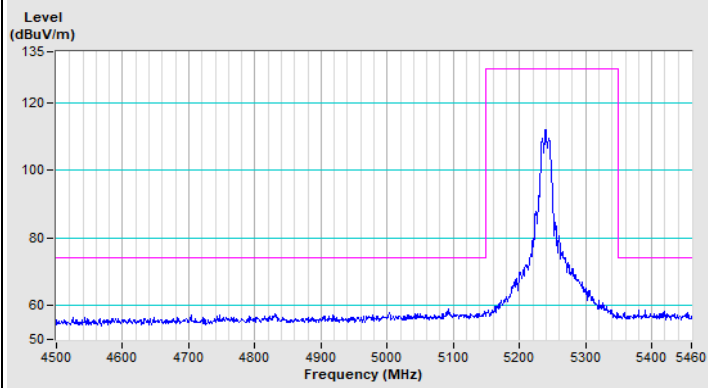
Plot of Band Edge

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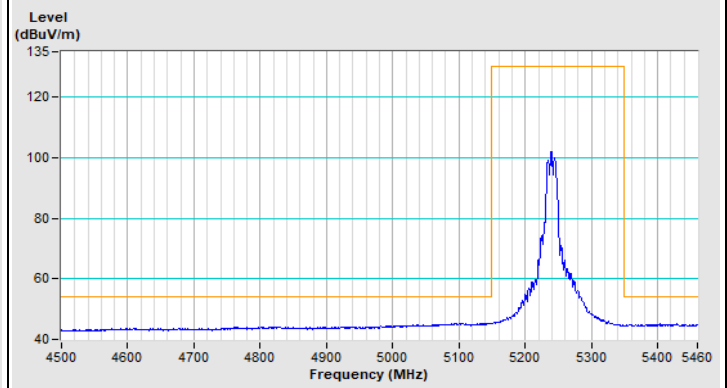
802.11a Channel 36



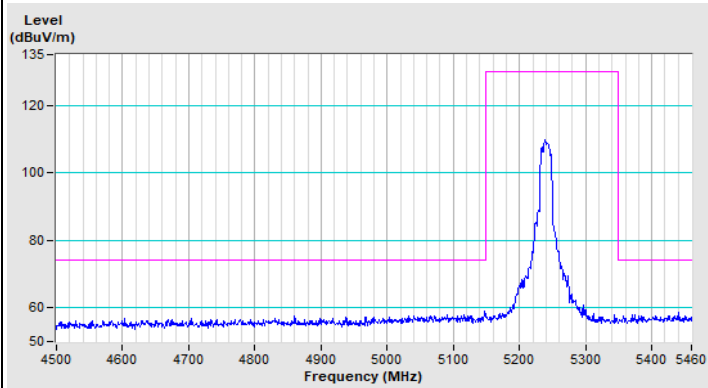
802.11a Channel 48



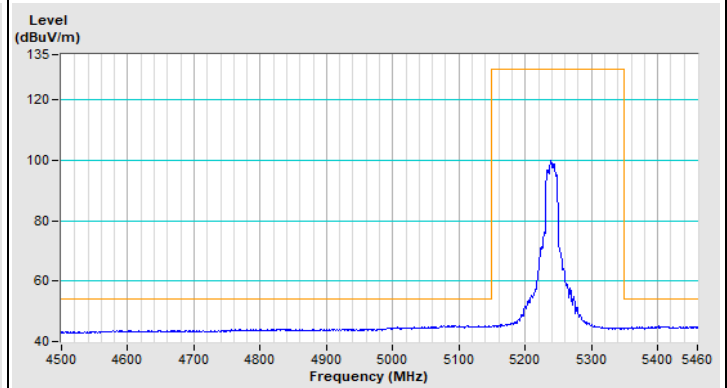
Horizontal (Peak)



Horizontal (Average)

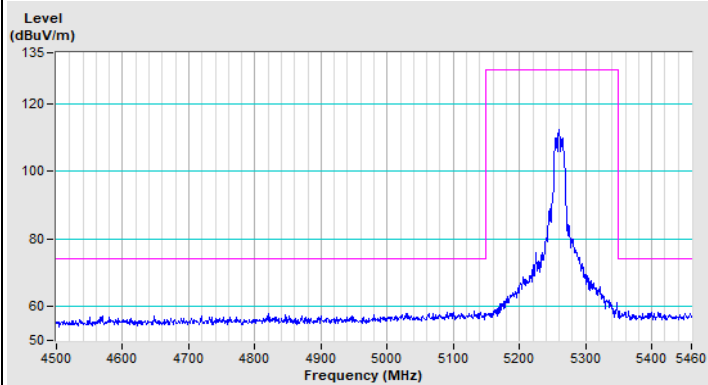


Vertical (Peak)

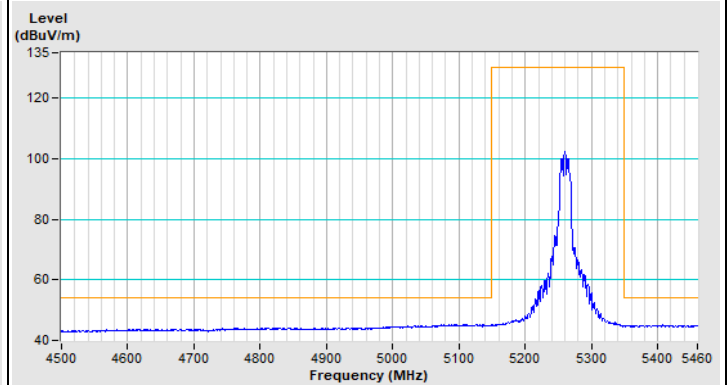


Vertical (Average)

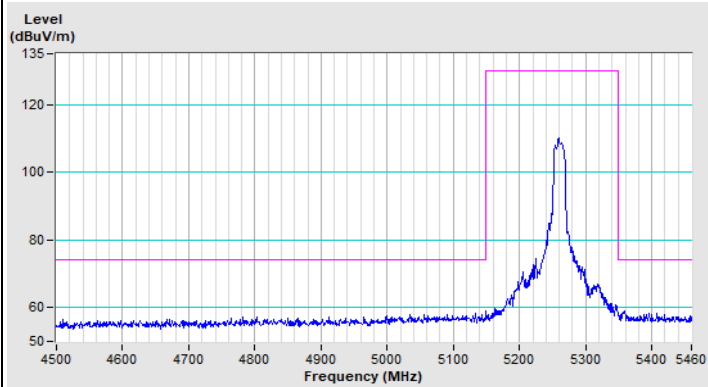
802.11a Channel 52



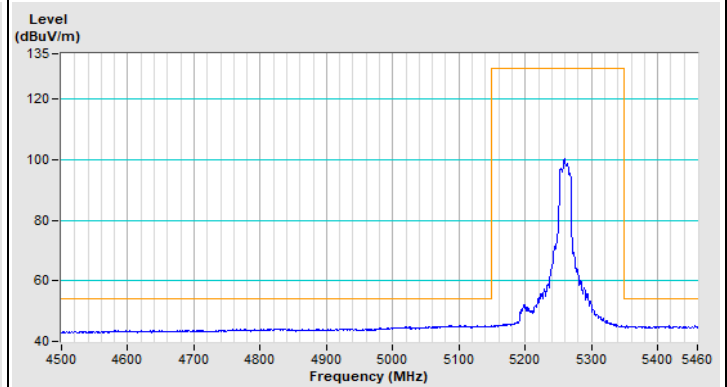
Horizontal (Peak)



Horizontal (Average)

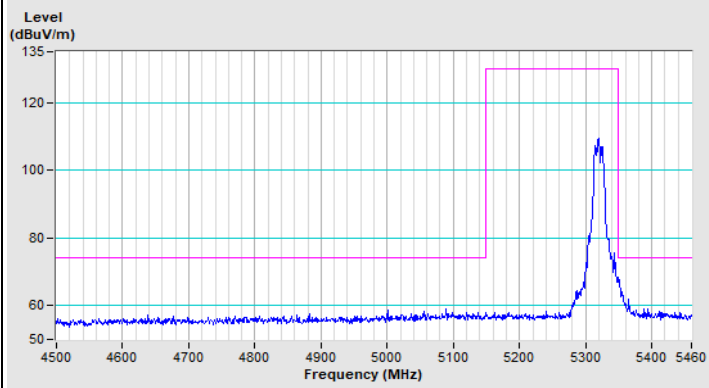


Vertical (Peak)

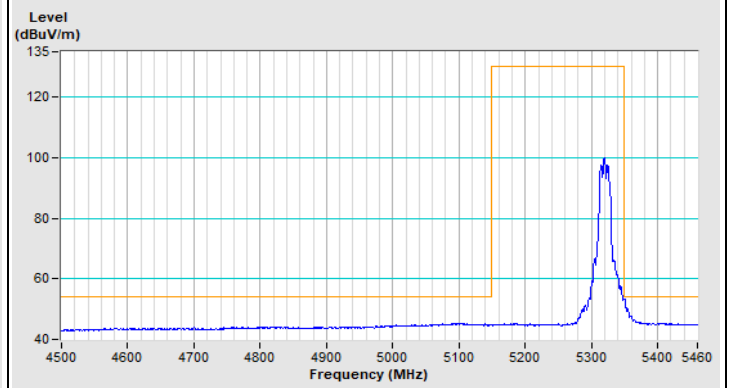


Vertical (Average)

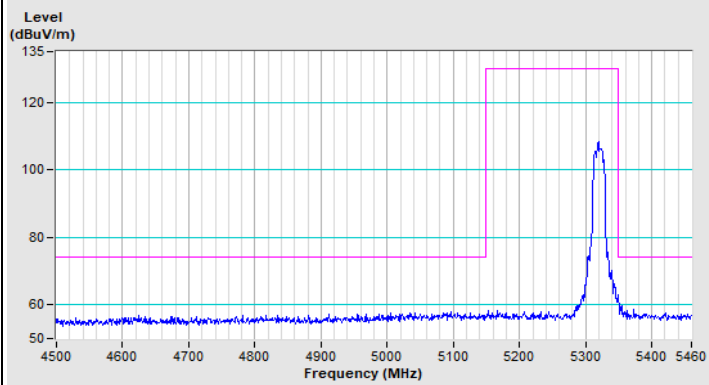
802.11a Channel 64



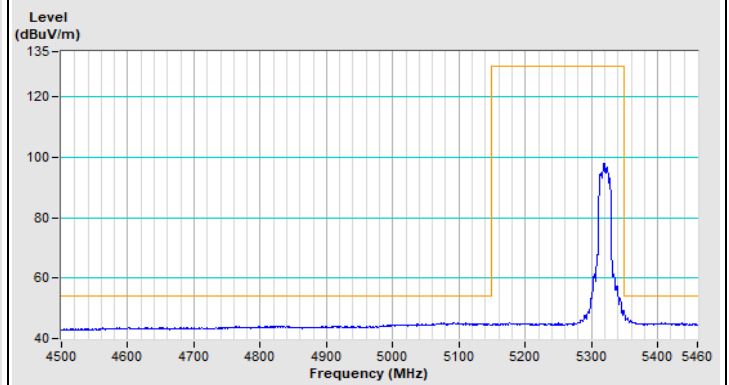
Horizontal (Peak)



Horizontal (Average)



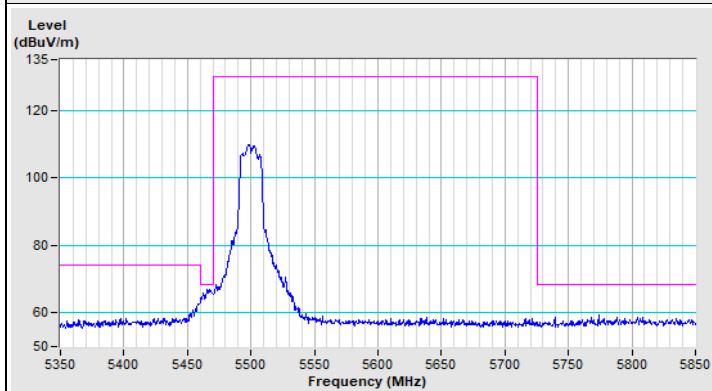
Vertical (Peak)



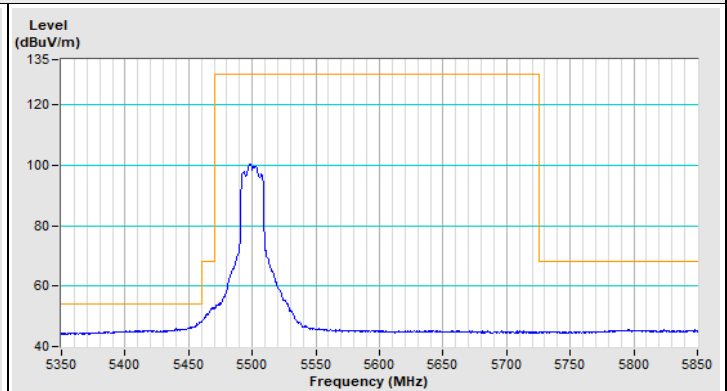
Vertical (Average)

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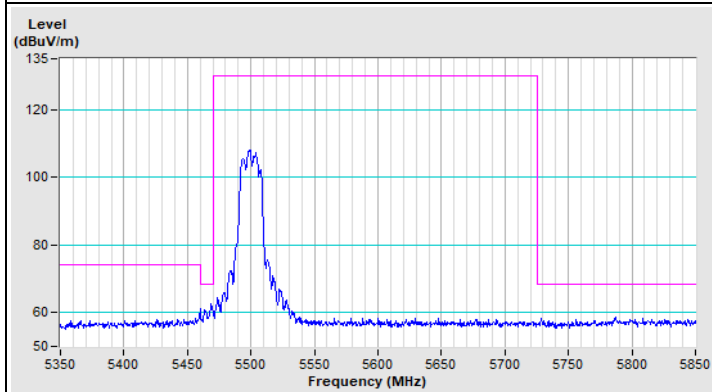
802.11a Channel 100



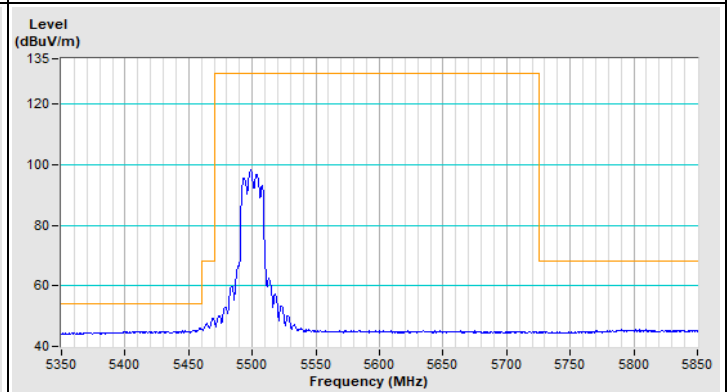
Horizontal (Peak)



Horizontal (Average)

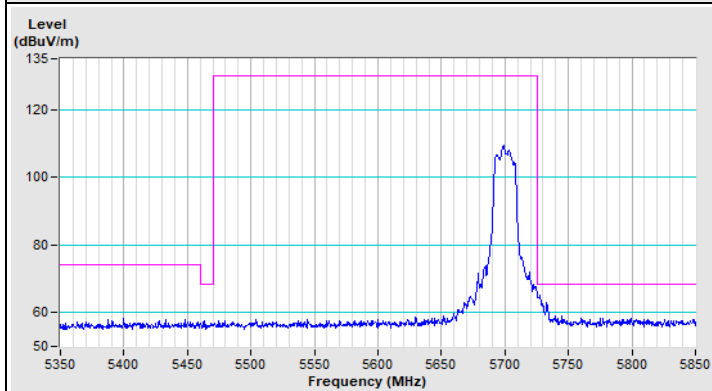


Vertical (Peak)

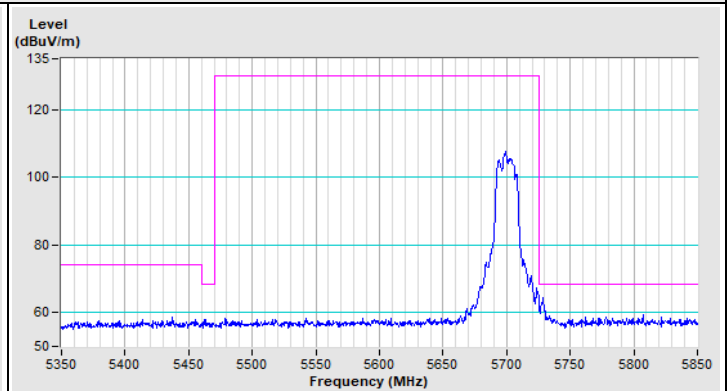


Vertical (Average)

802.11a Channel 140



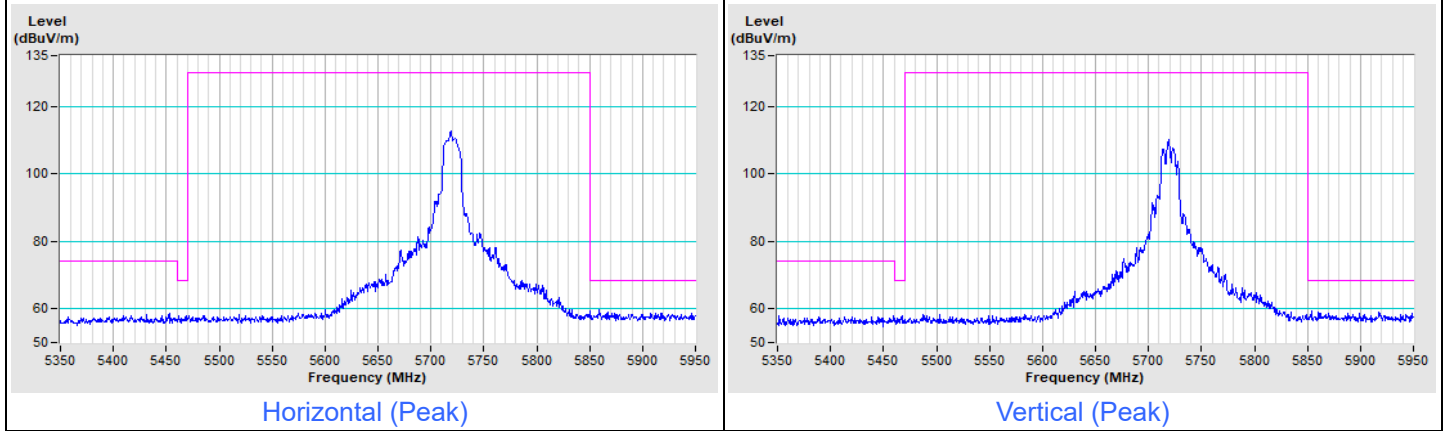
Horizontal (Peak)



Vertical (Peak)

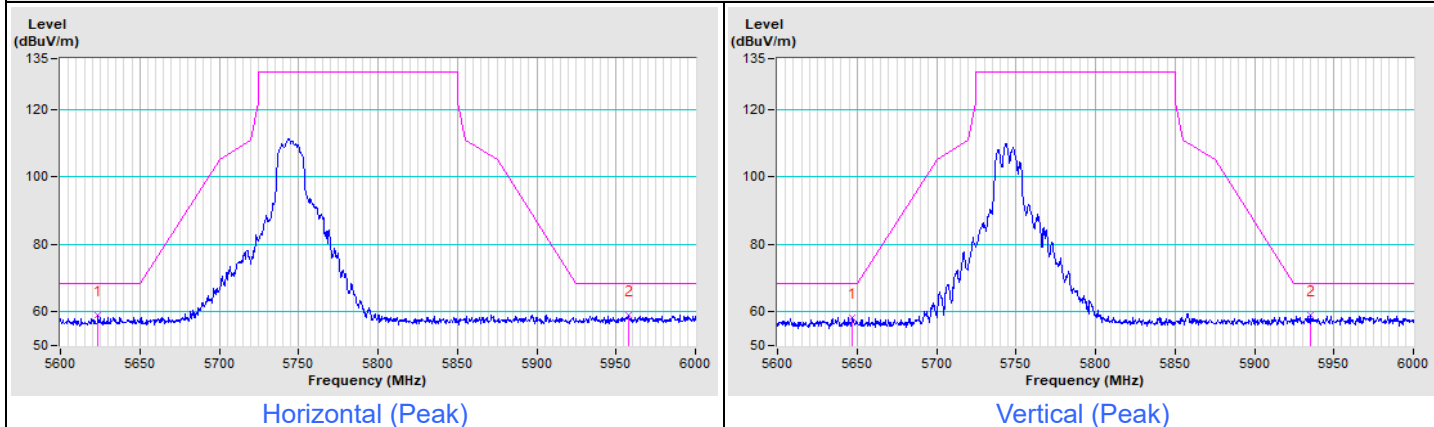
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

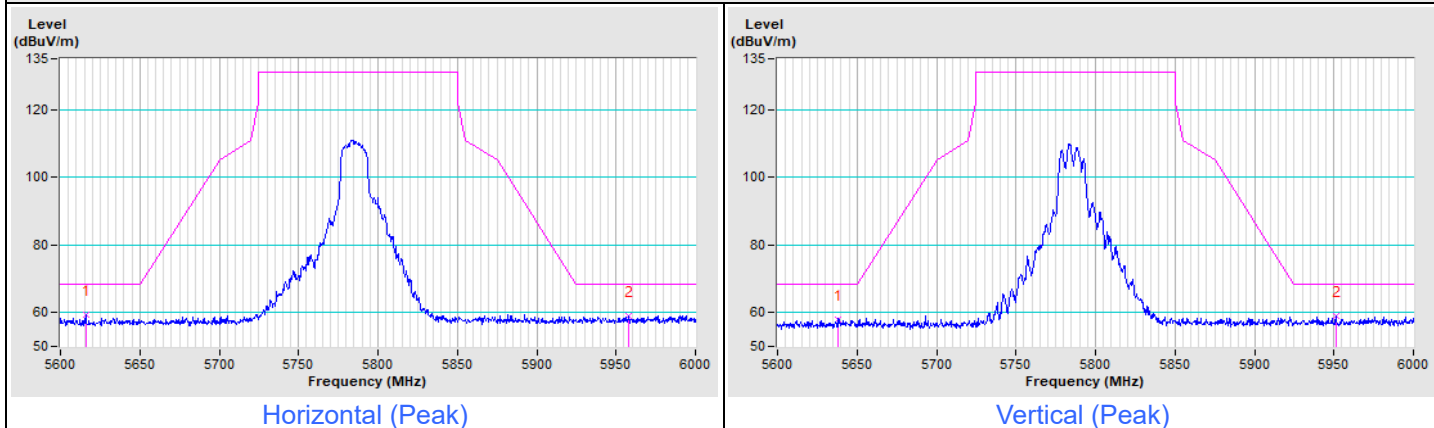


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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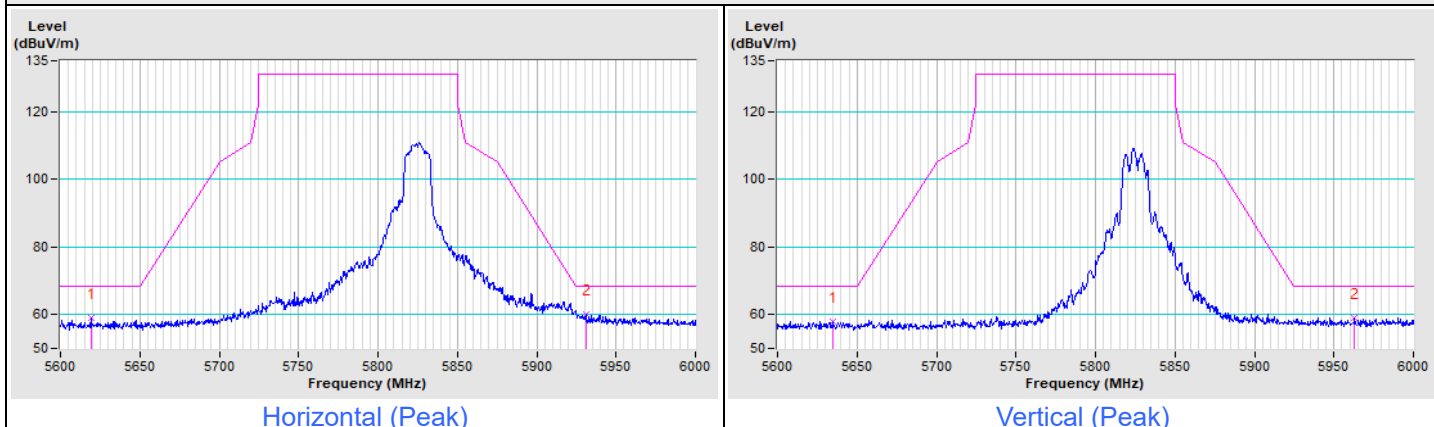
802.11a Channel 149



802.11a Channel 157

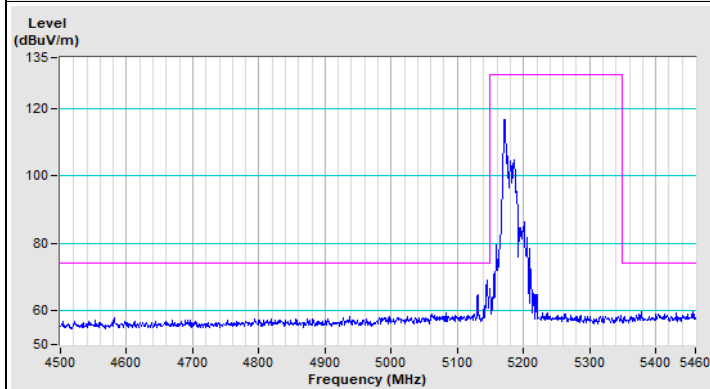


802.11a Channel 165

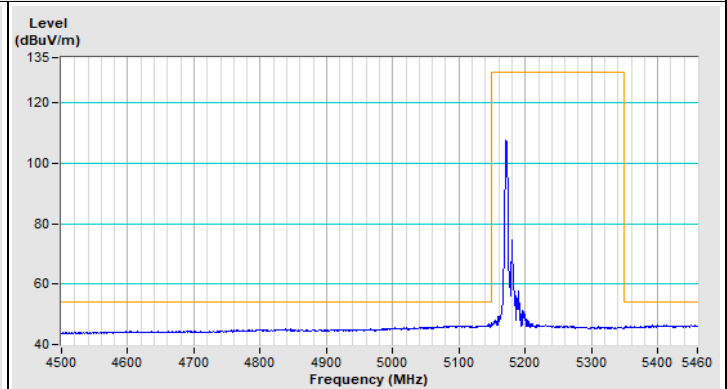


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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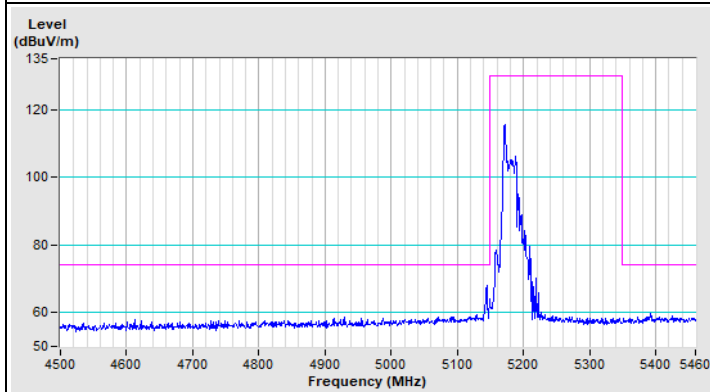
802.11ax (HE20) 26-tone RU Channel 36



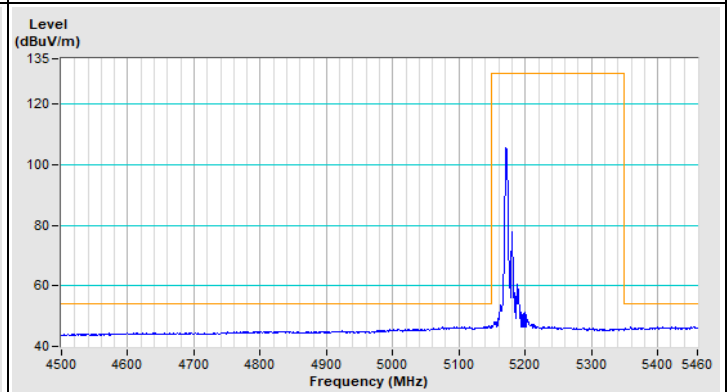
Horizontal (Peak)



Horizontal (Average)

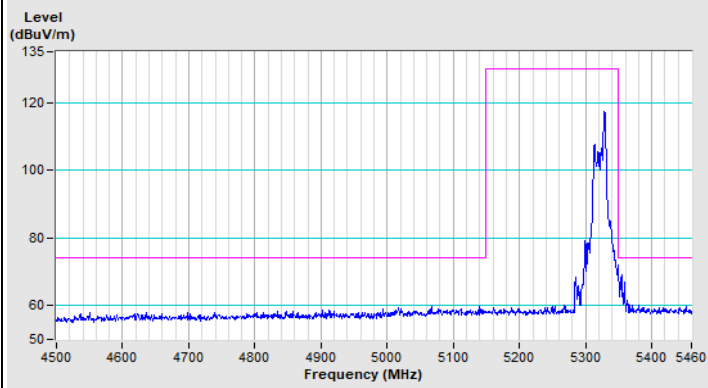


Vertical (Peak)

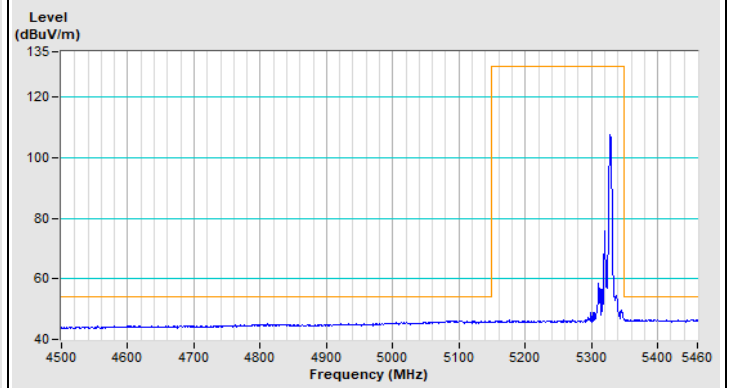


Vertical (Average)

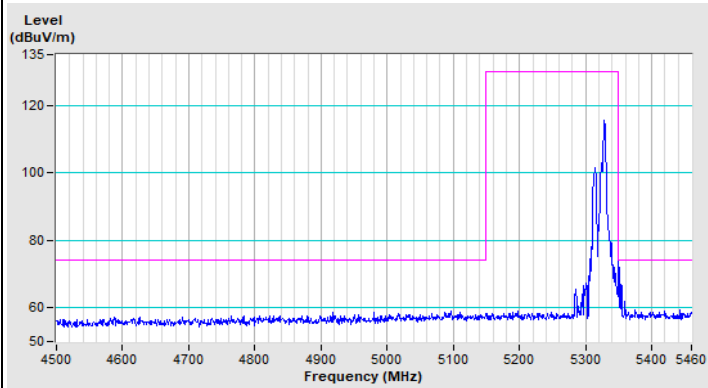
802.11ax (HE20) 26-tone RU Channel 64



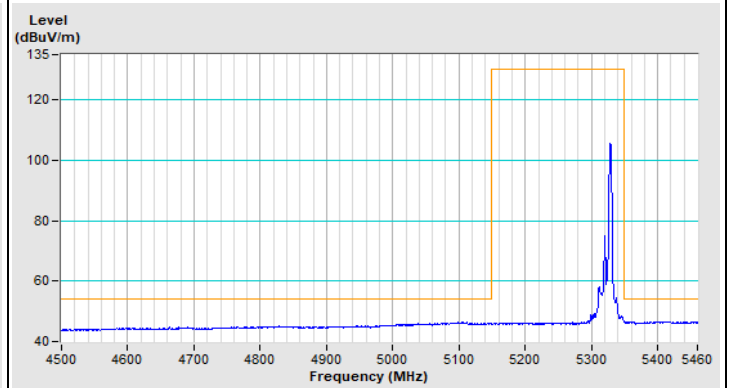
Horizontal (Peak)



Horizontal (Average)



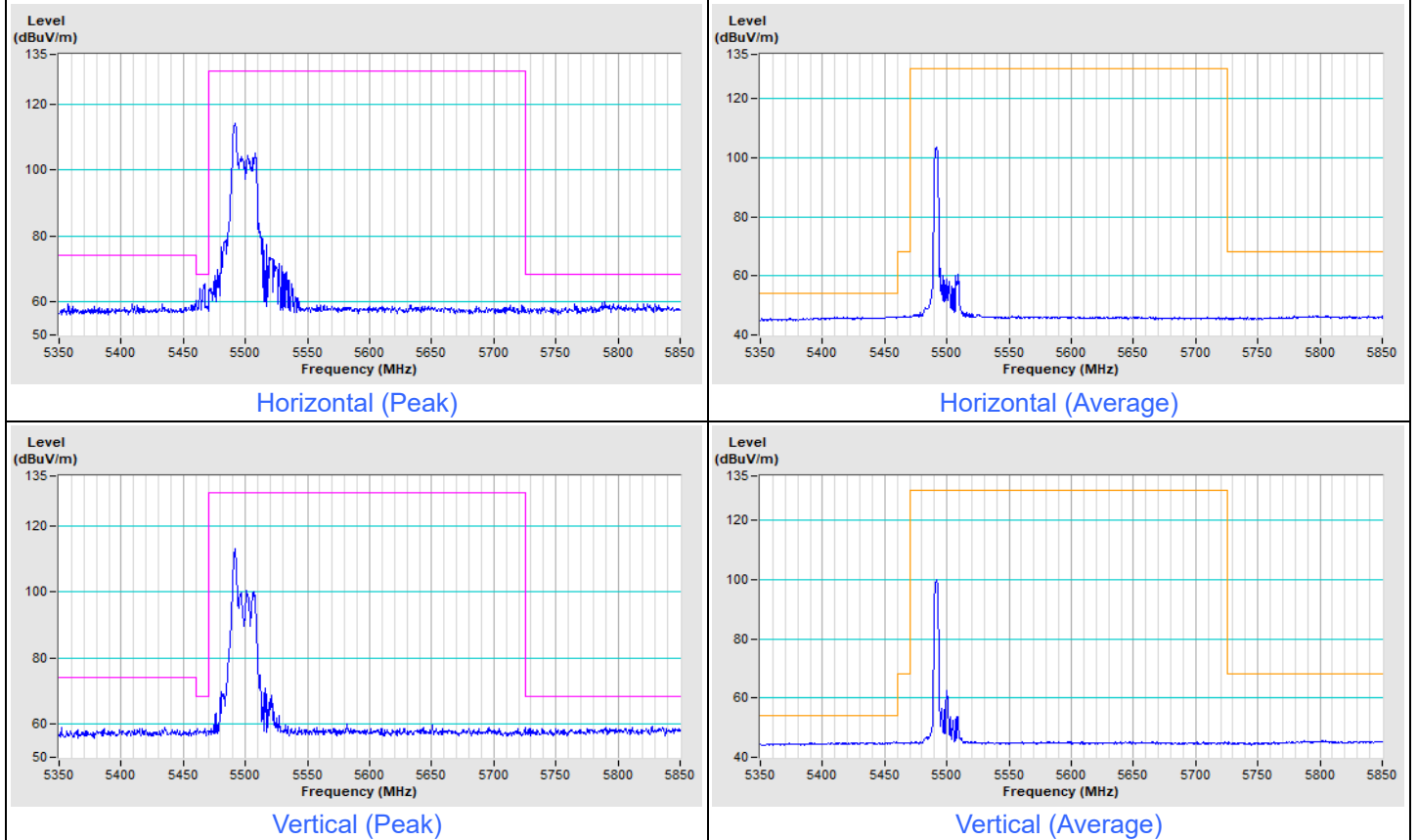
Vertical (Peak)



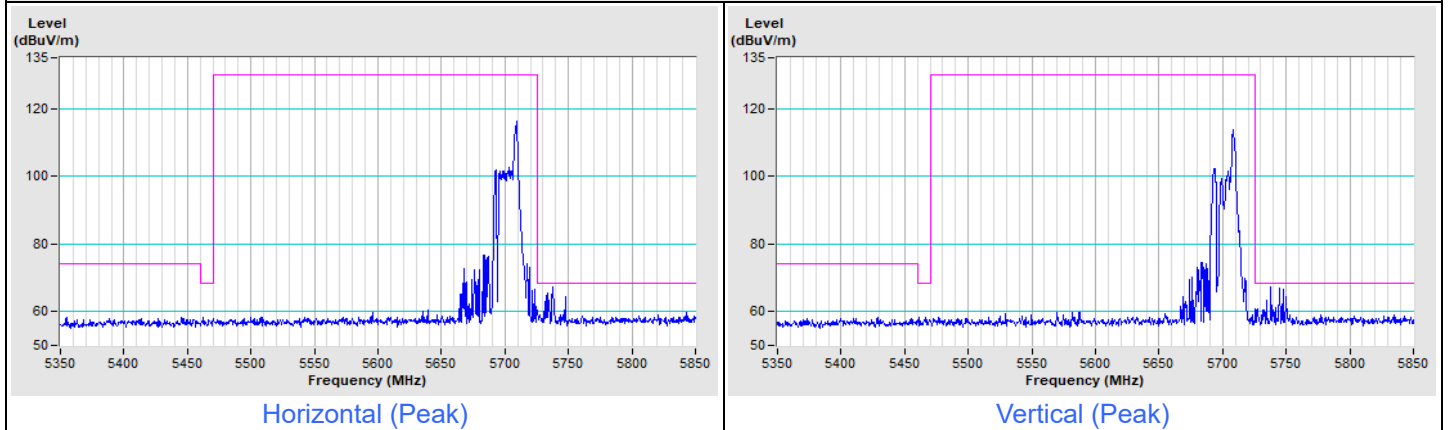
Vertical (Average)

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

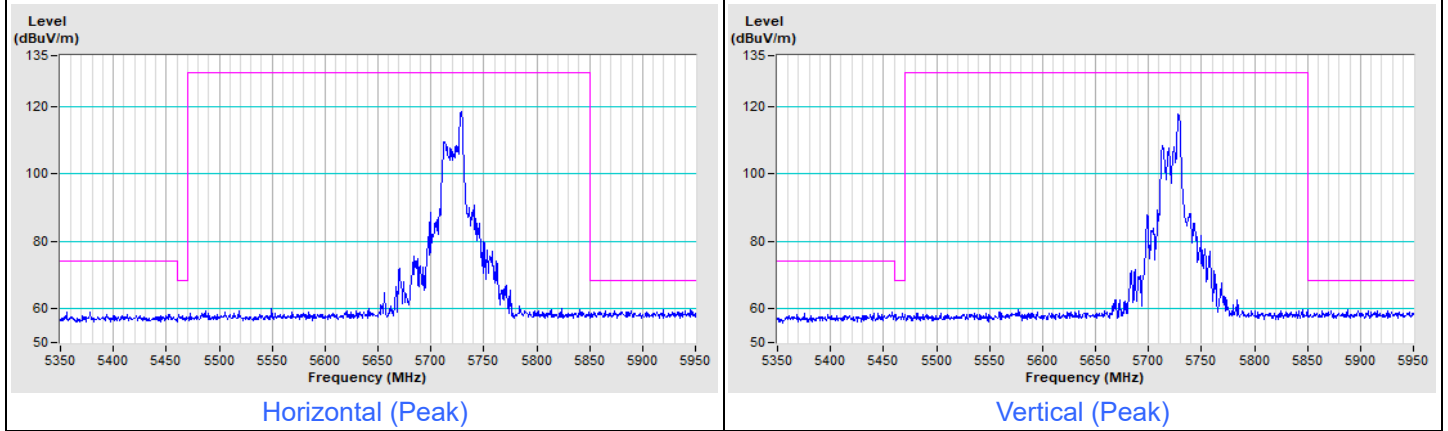


802.11ax (HE20) 26-tone RU Channel 140



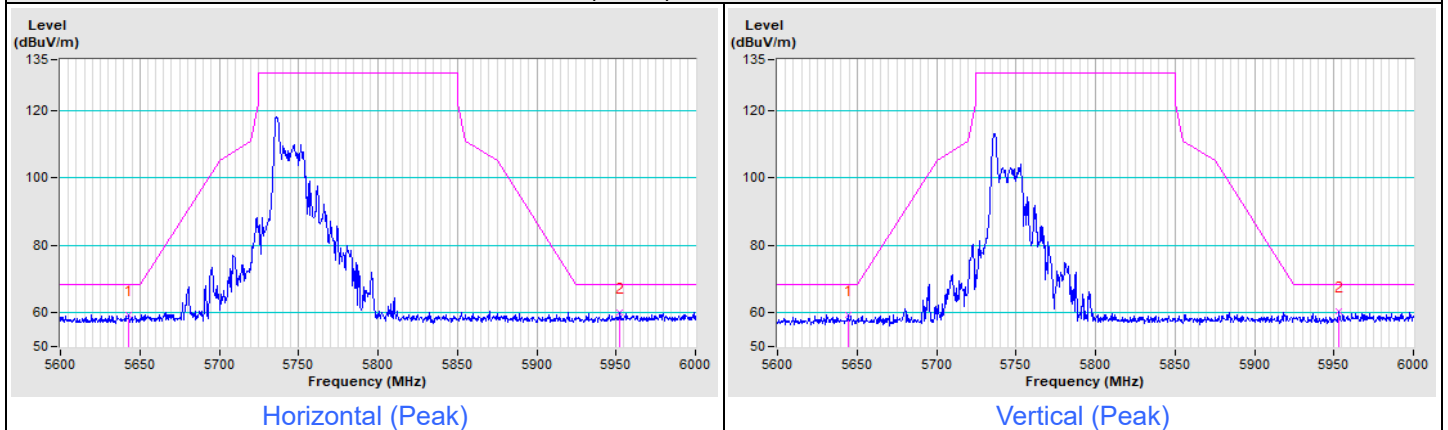
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 26-tone RU Channel 144

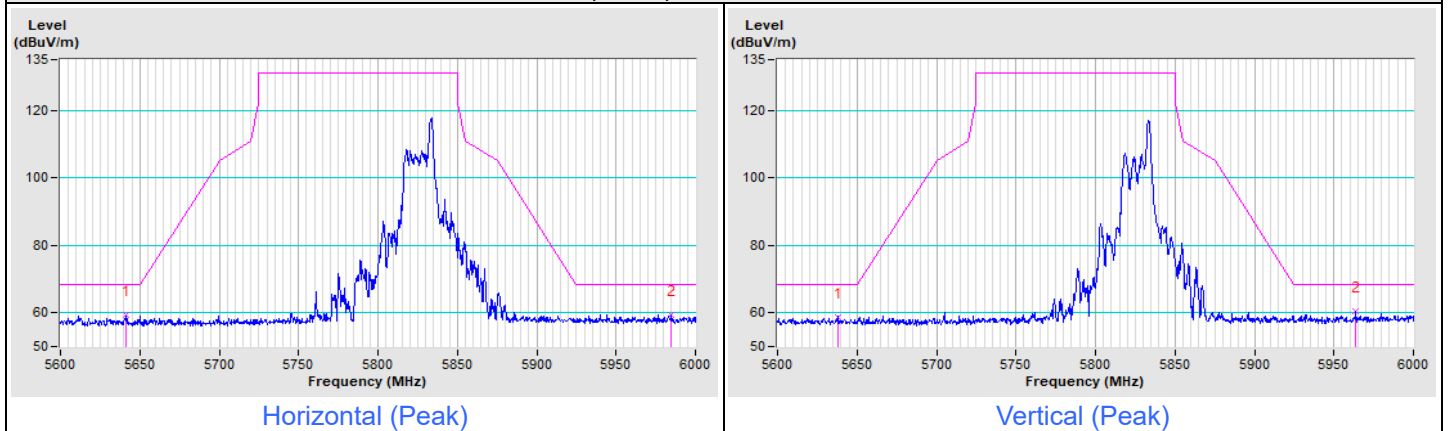


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 26-tone RU Channel 149

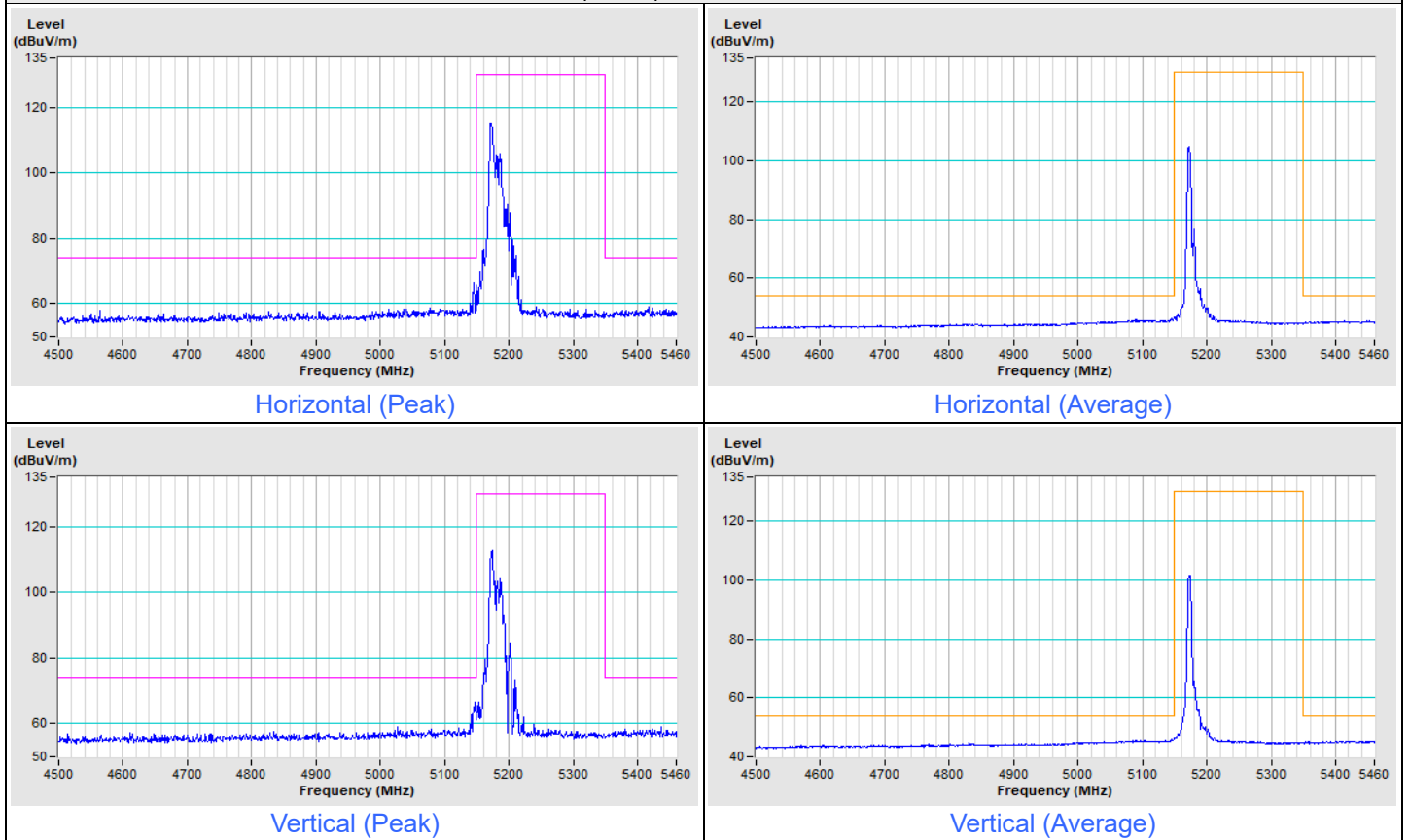


802.11ax (HE20) 26-tone RU Channel 165

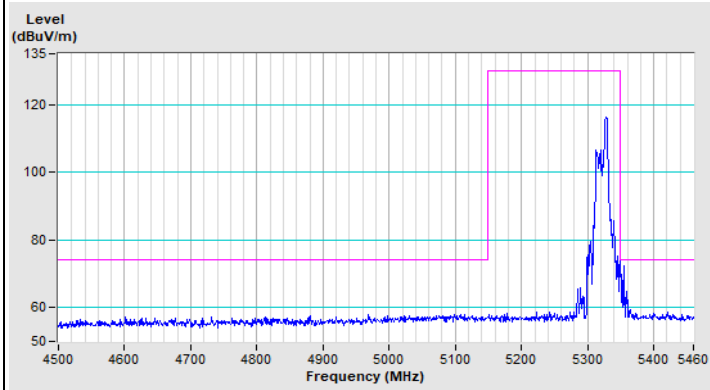


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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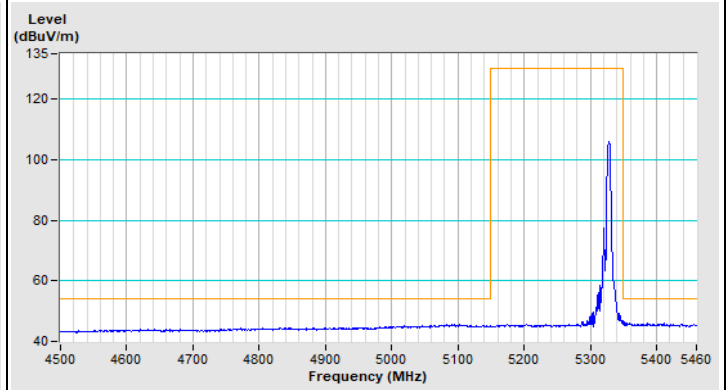
802.11ax (HE20) 52-tone RU Channel 36



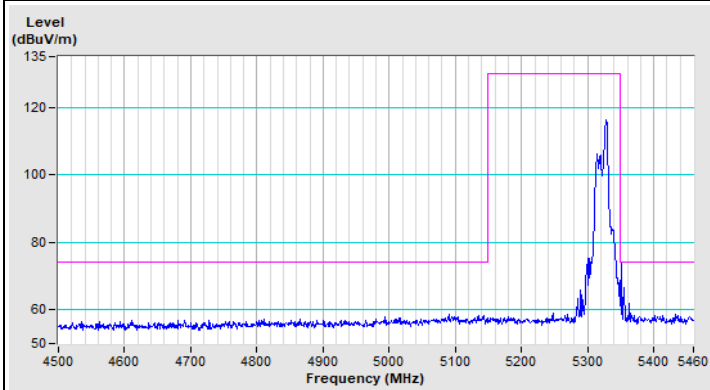
802.11ax (HE20) 52-tone RU Channel 64



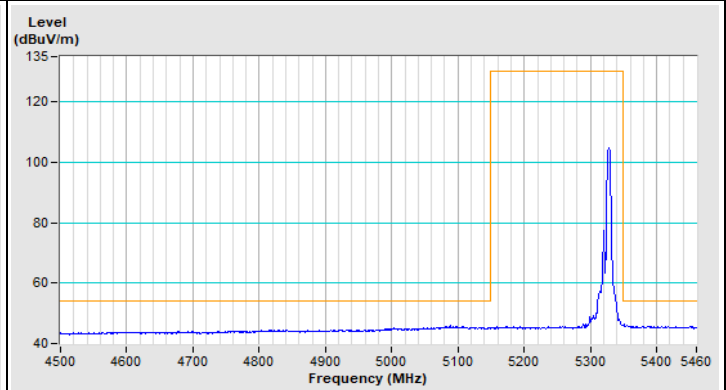
Horizontal (Peak)



Horizontal (Average)



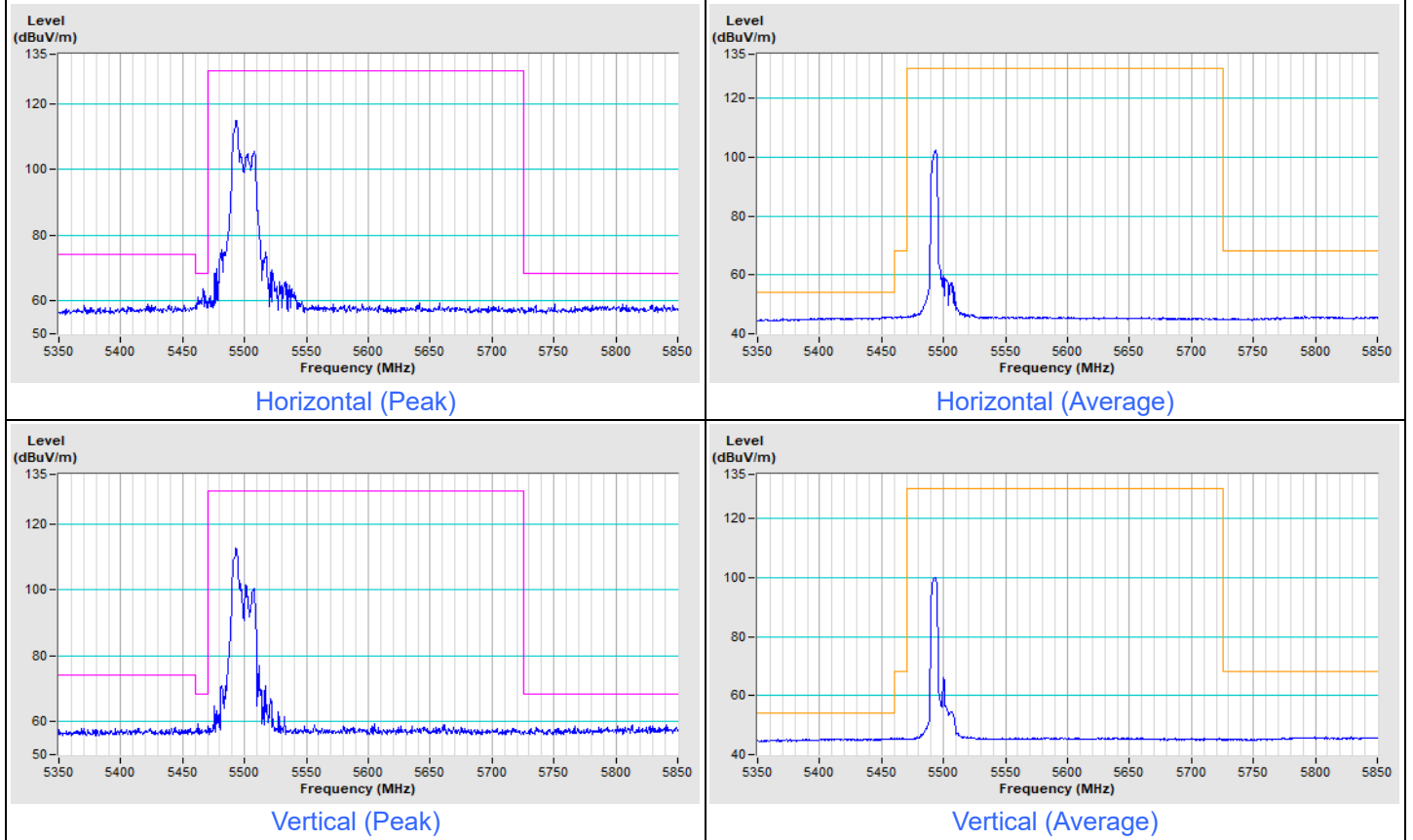
Vertical (Peak)



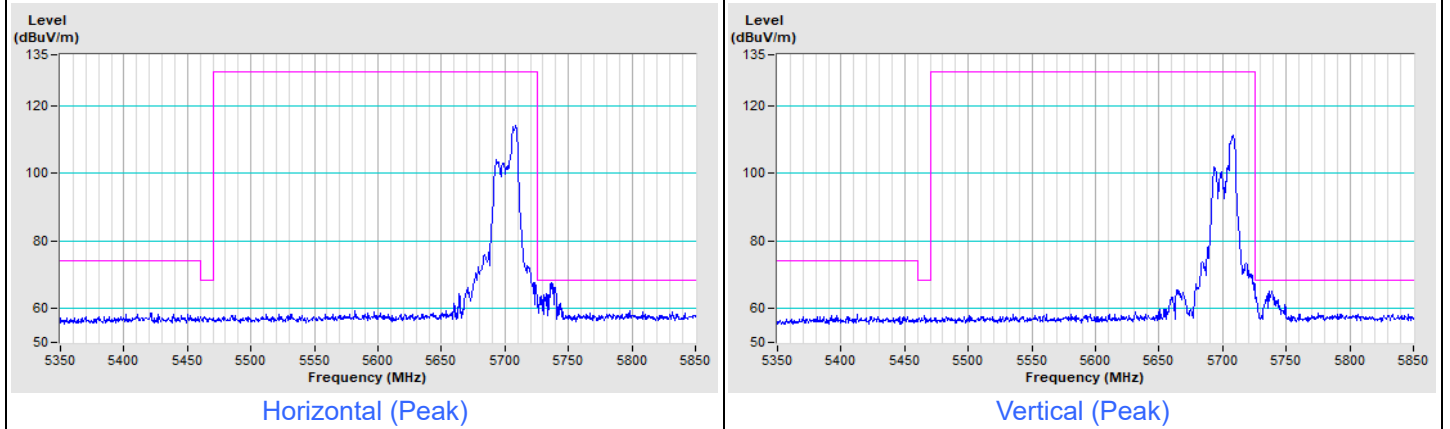
Vertical (Average)

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

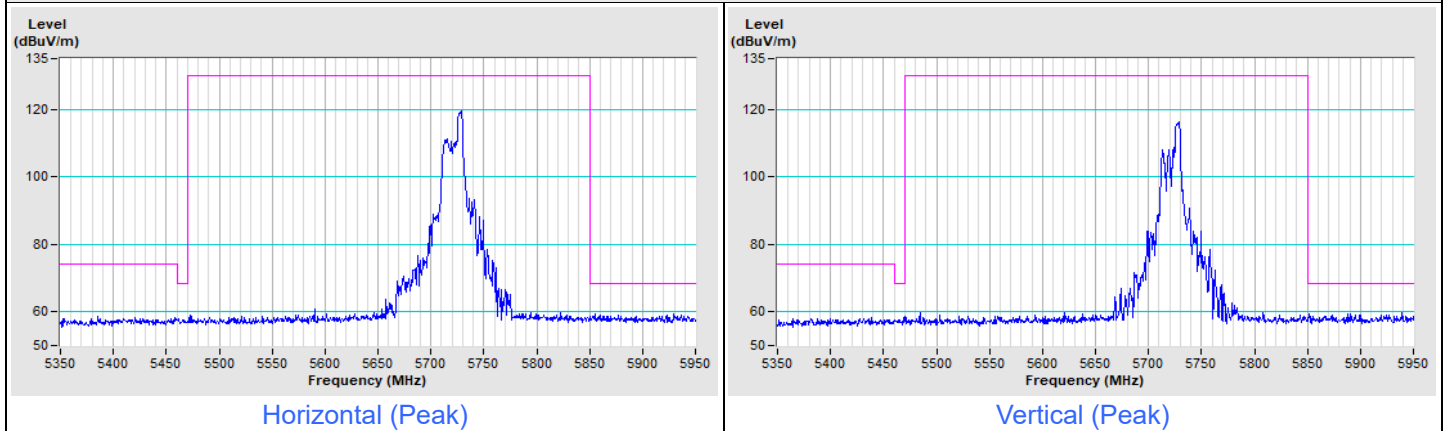


802.11ax (HE20) 52-tone RU Channel 140



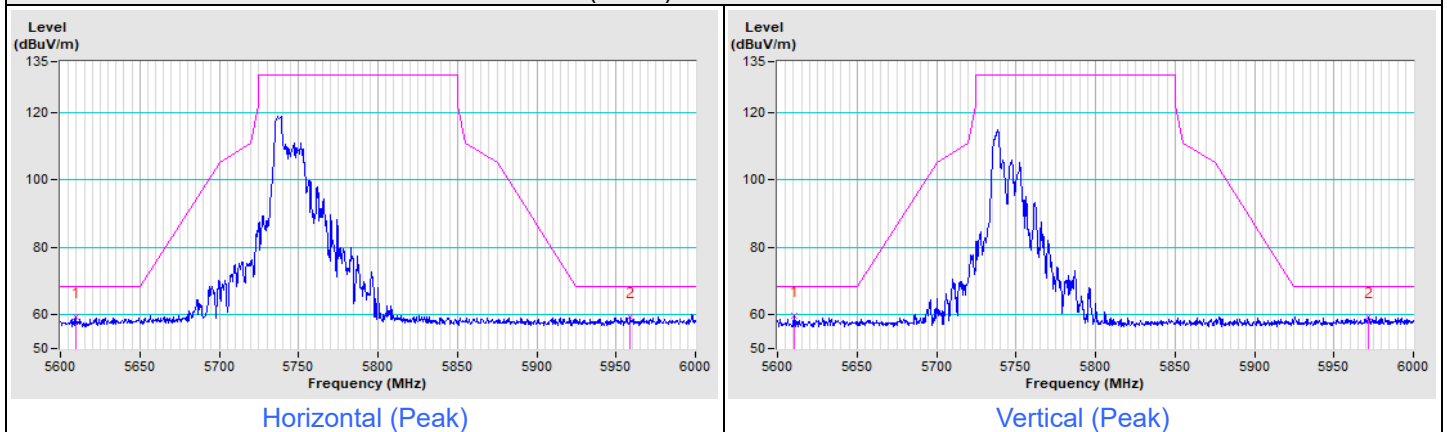
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 52-tone RU Channel 144

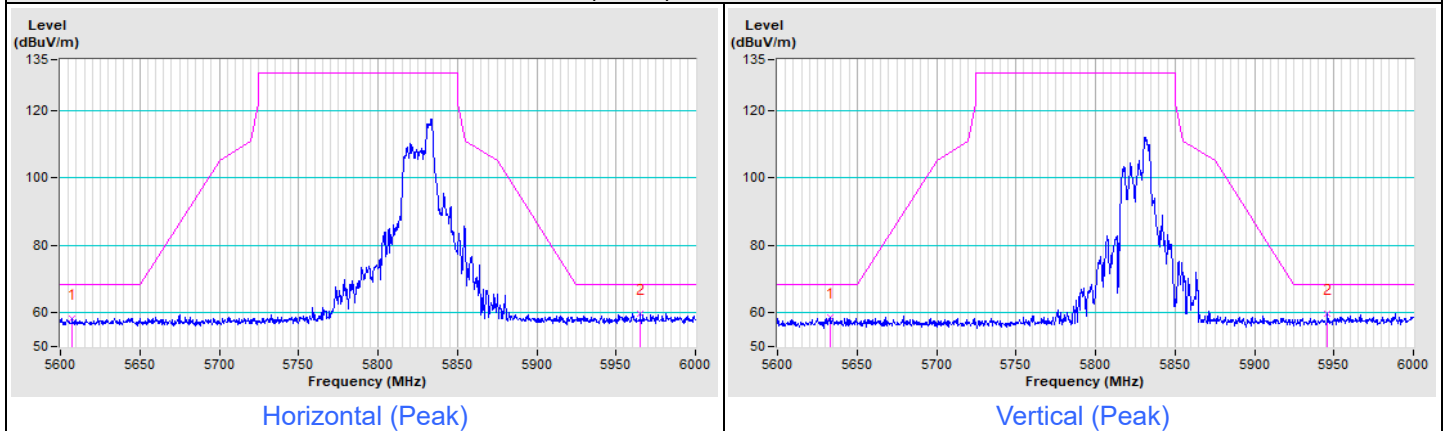


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 52-tone RU Channel 149

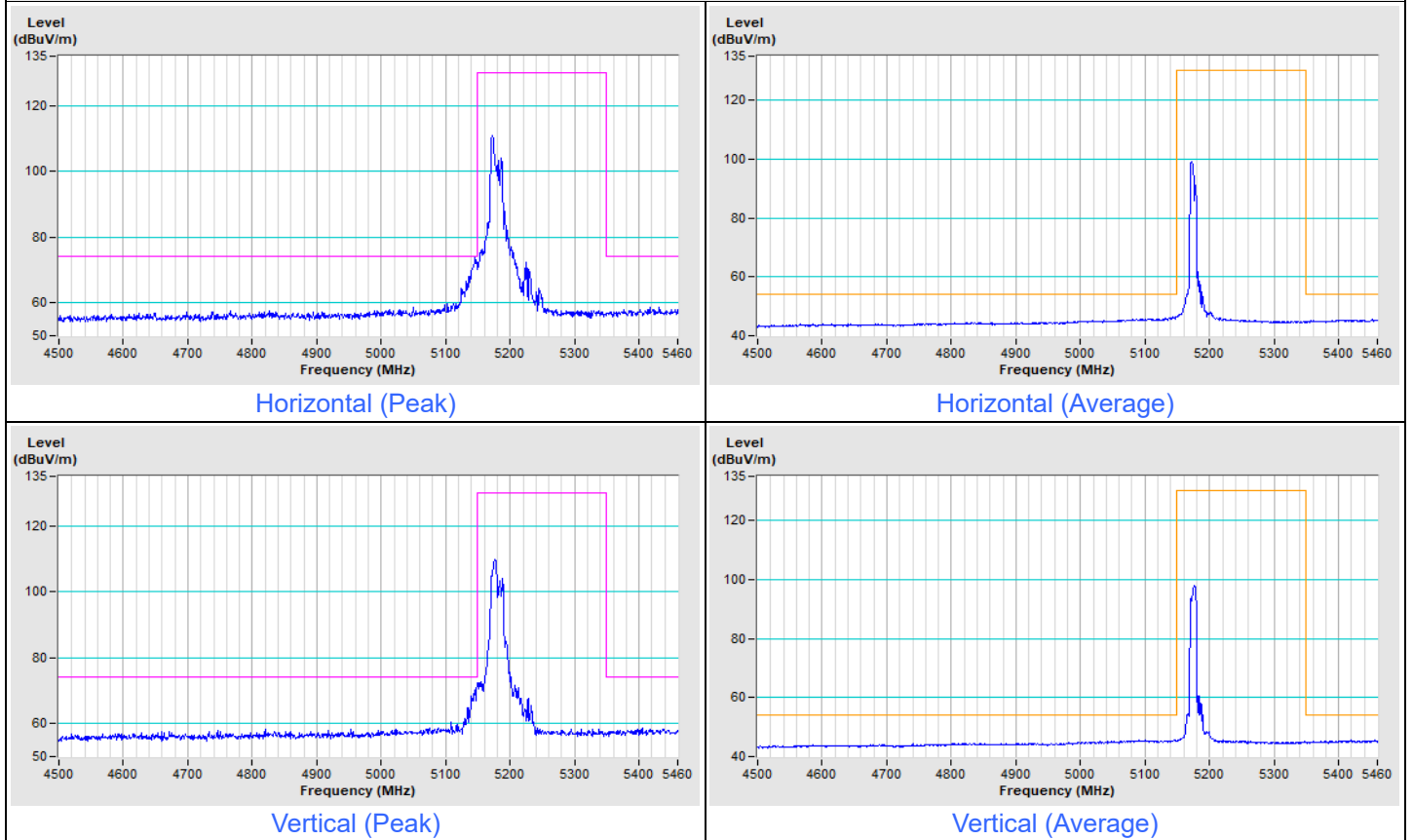


802.11ax (HE20) 52-tone RU Channel 165

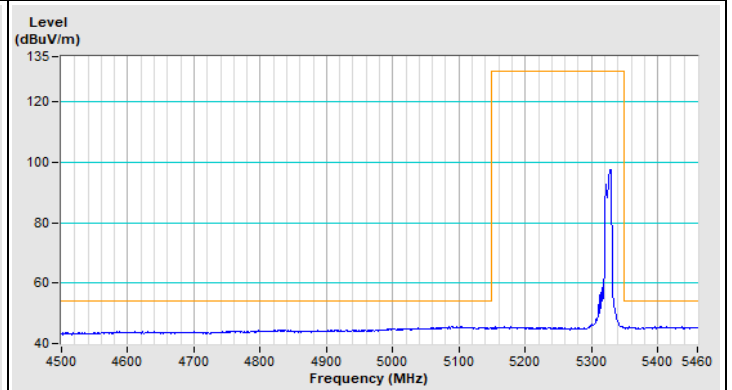
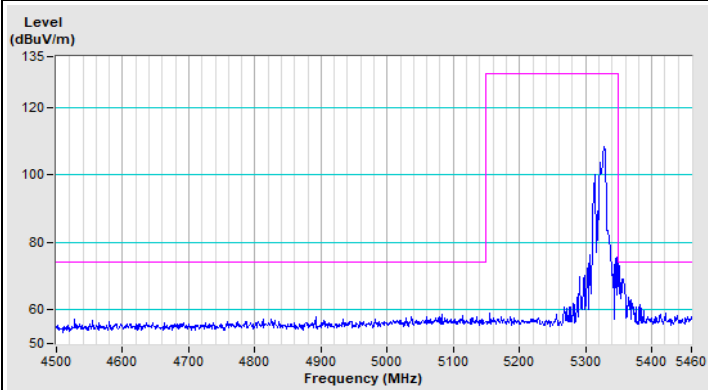
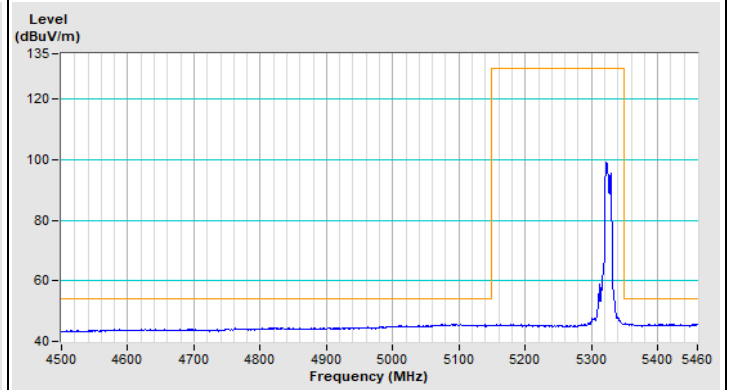
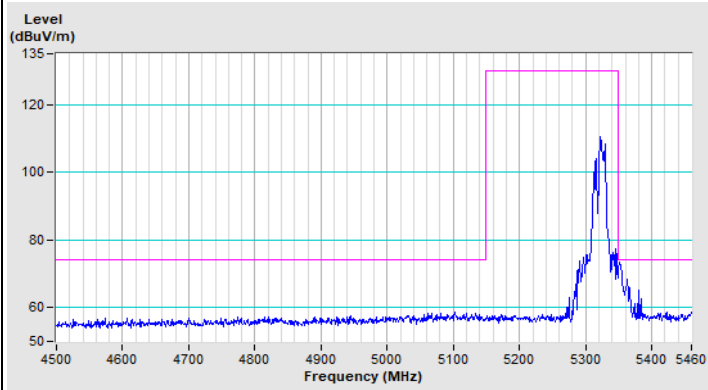


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 36

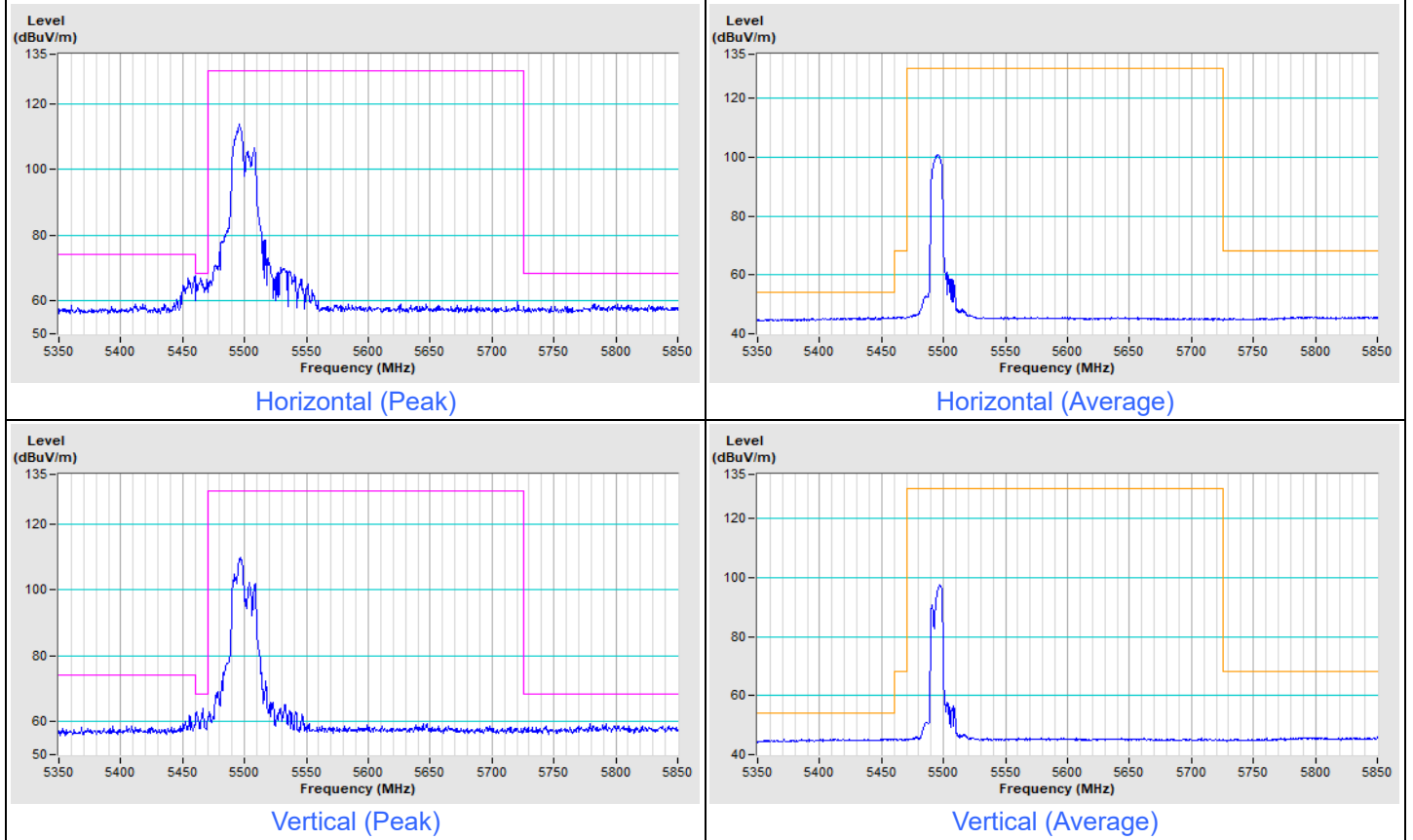


802.11ax (HE20) 106-tone RU Channel 64

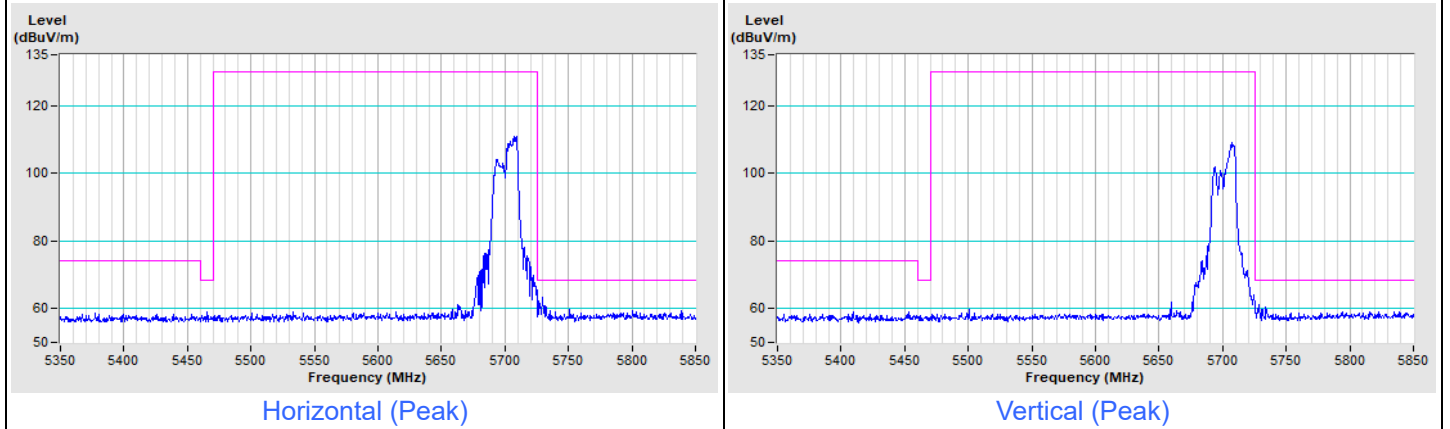


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 100

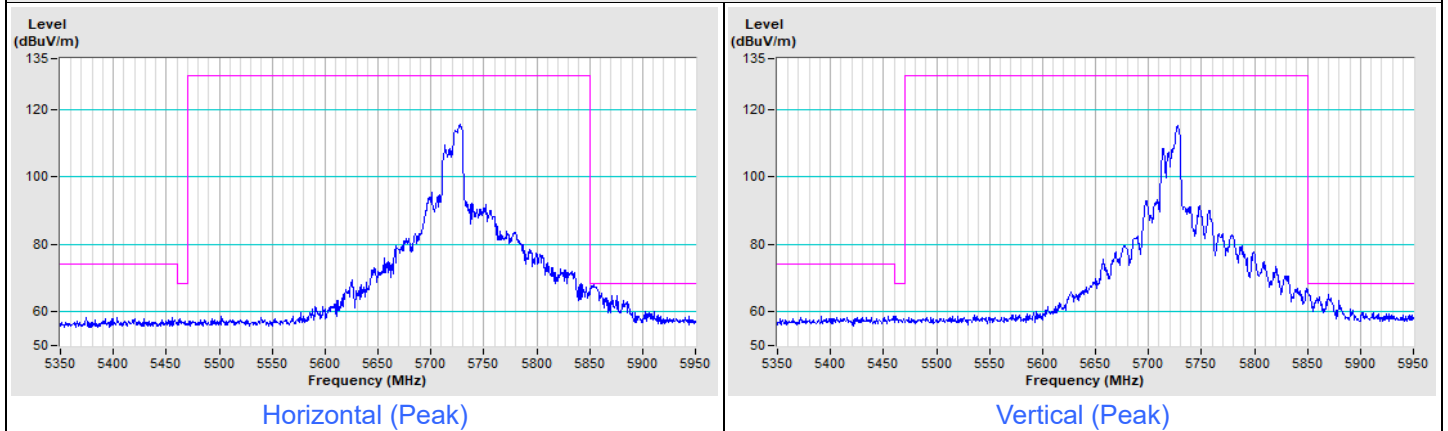


802.11ax (HE20) 106-tone RU Channel 140



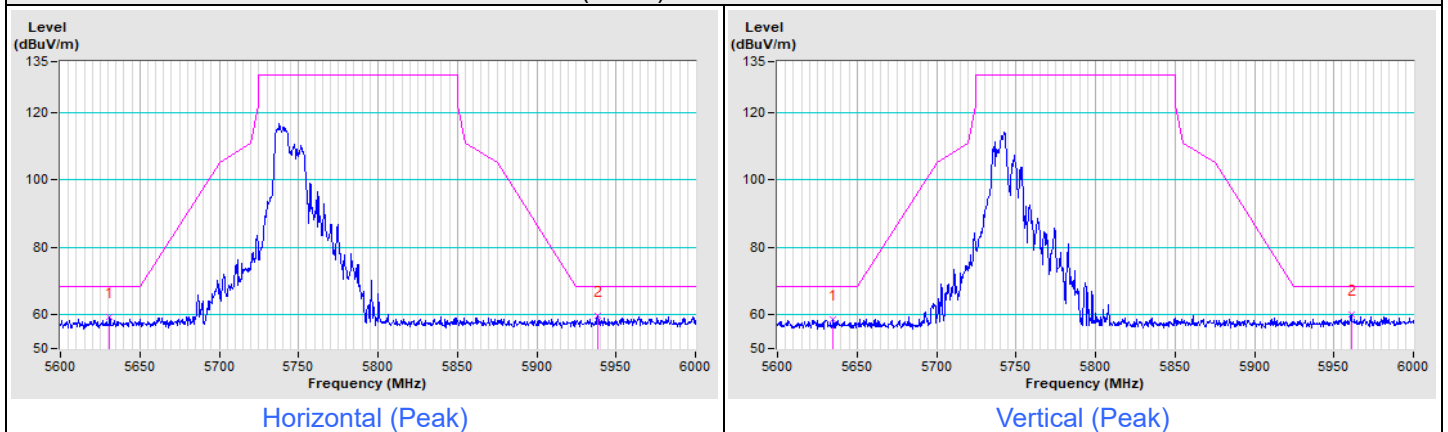
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 144

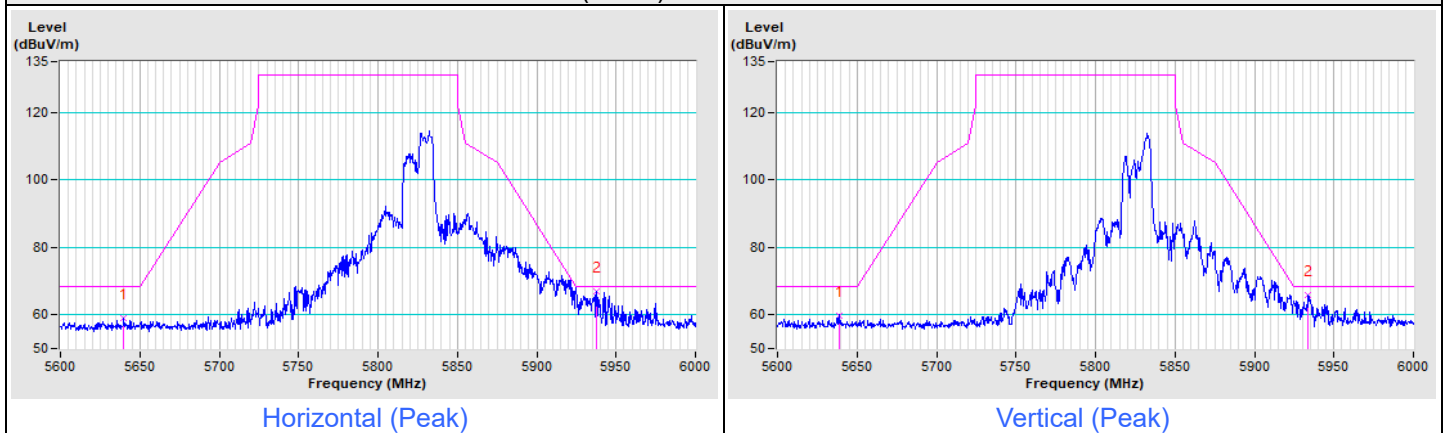


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) 106-tone RU Channel 149

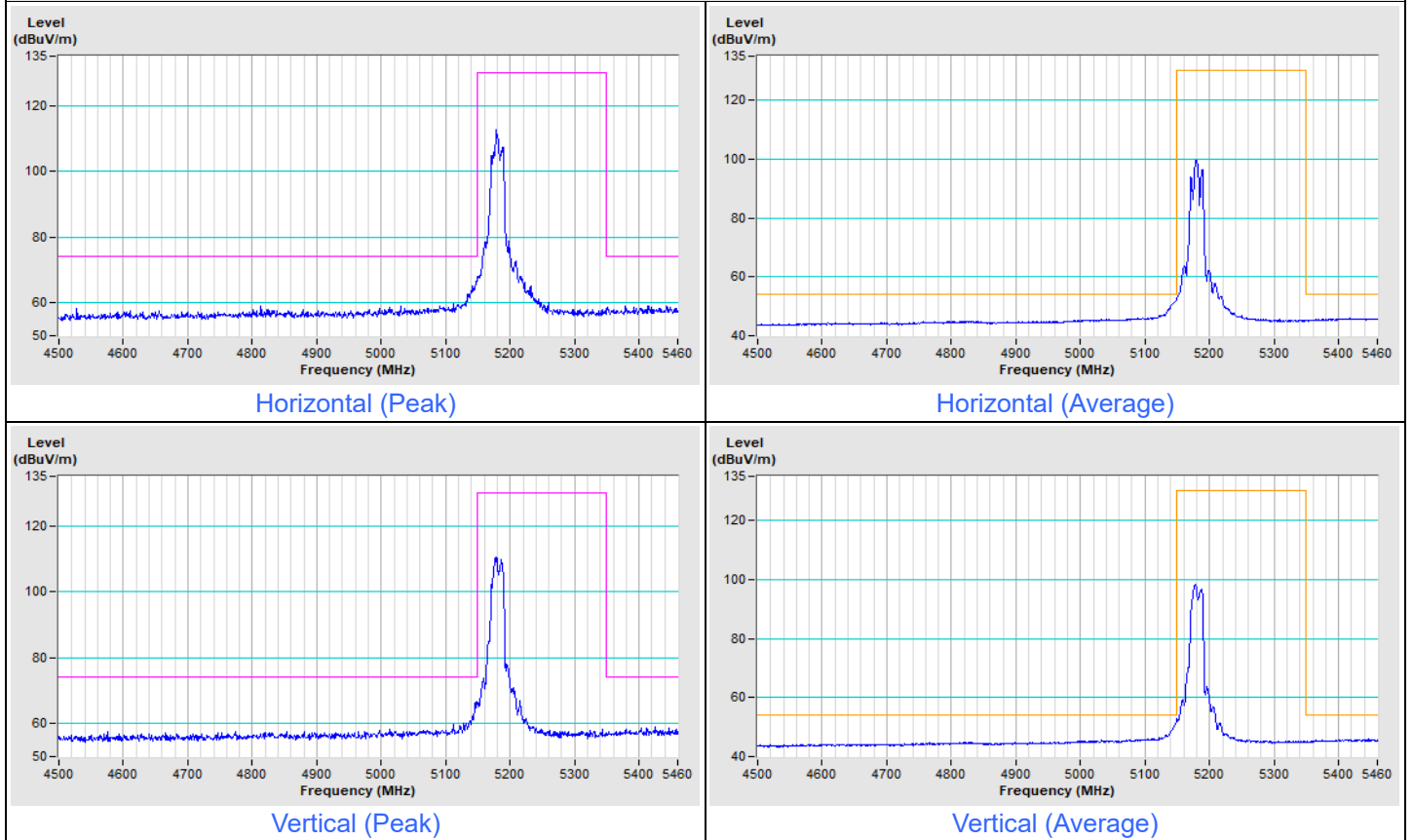


802.11ax (HE20) 106-tone RU Channel 165

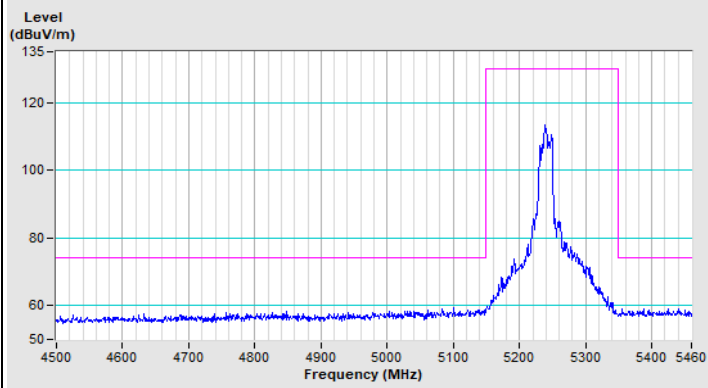


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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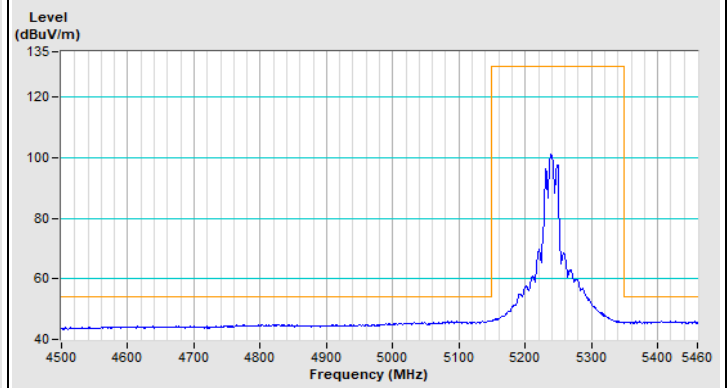
802.11ax (HE20) Full RU Channel 36



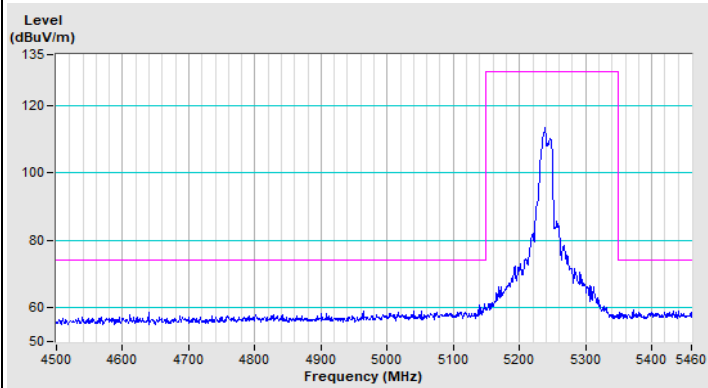
802.11ax (HE20) Full RU Channel 48



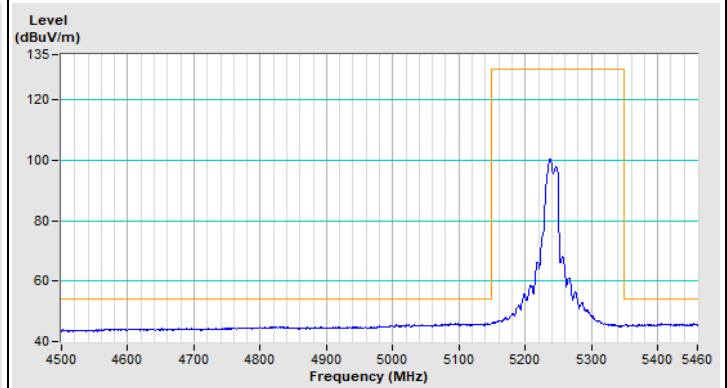
Horizontal (Peak)



Horizontal (Average)

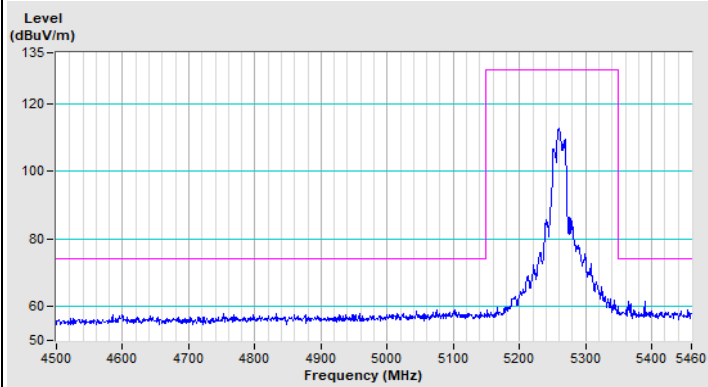


Vertical (Peak)

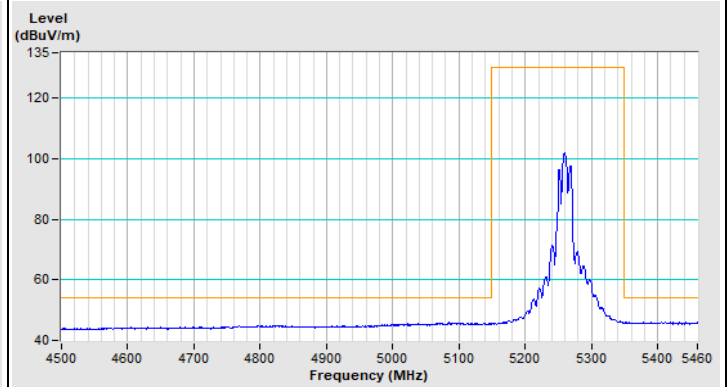


Vertical (Average)

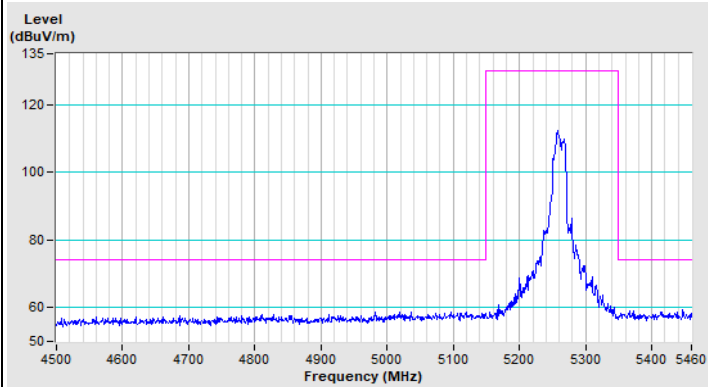
802.11ax (HE20) Full RU Channel 52



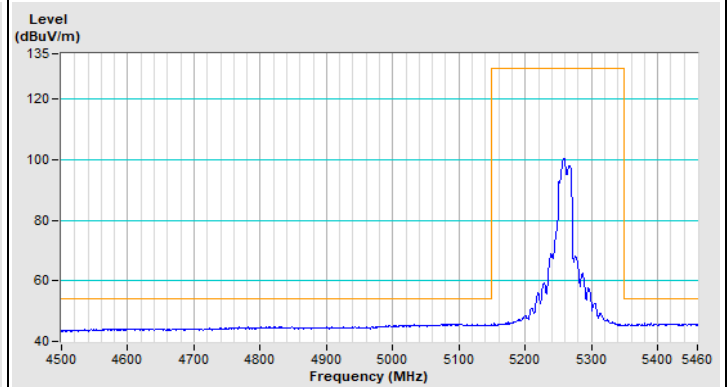
Horizontal (Peak)



Horizontal (Average)

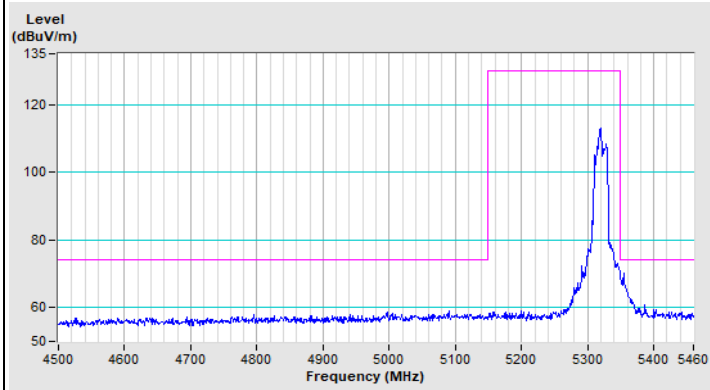


Vertical (Peak)

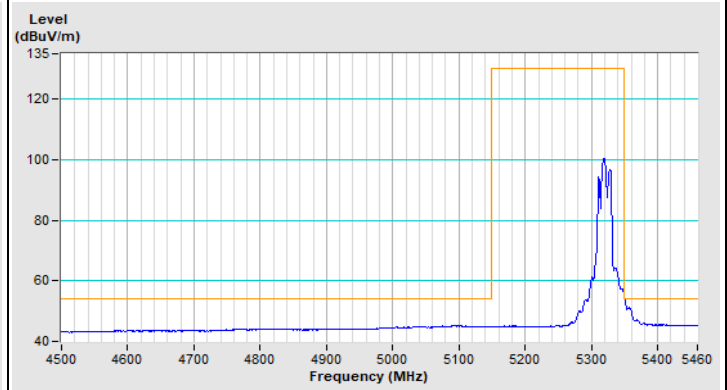


Vertical (Average)

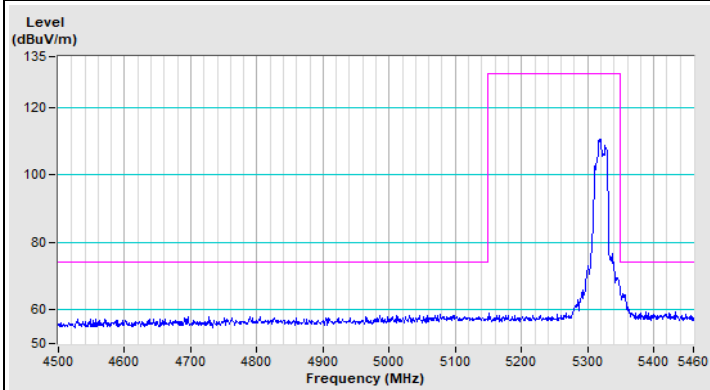
802.11ax (HE20) Full RU Channel 64



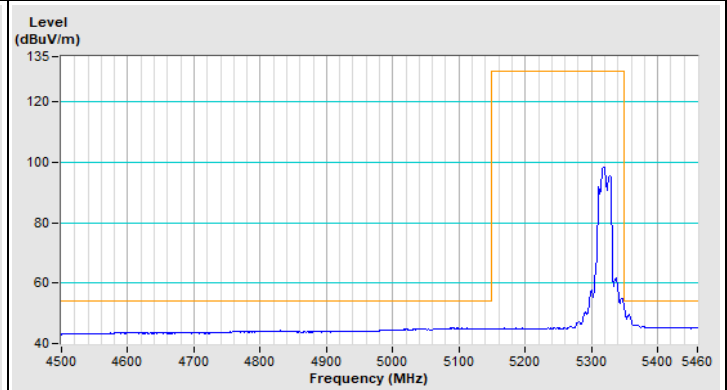
Horizontal (Peak)



Horizontal (Average)



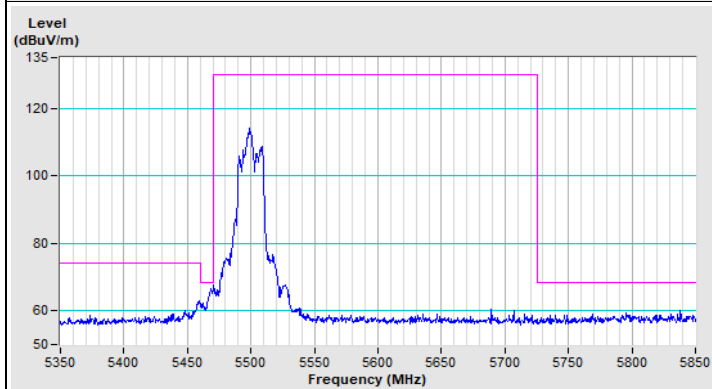
Vertical (Peak)



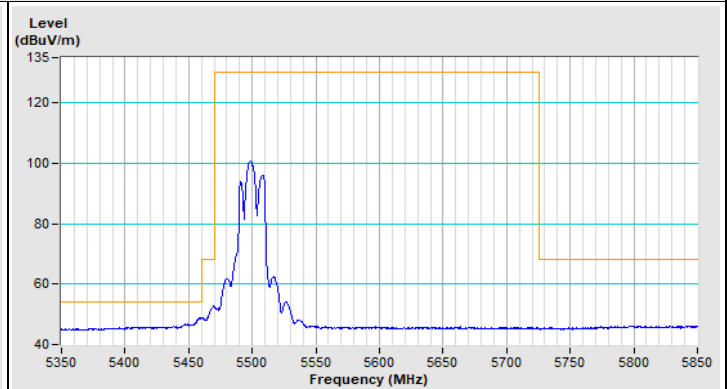
Vertical (Average)

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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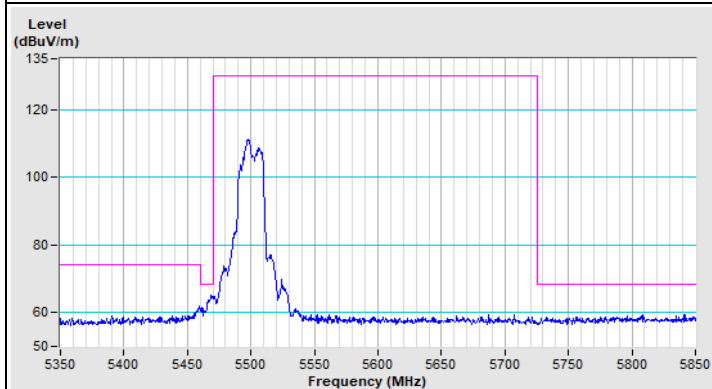
802.11ax (HE20) Full RU Channel 100



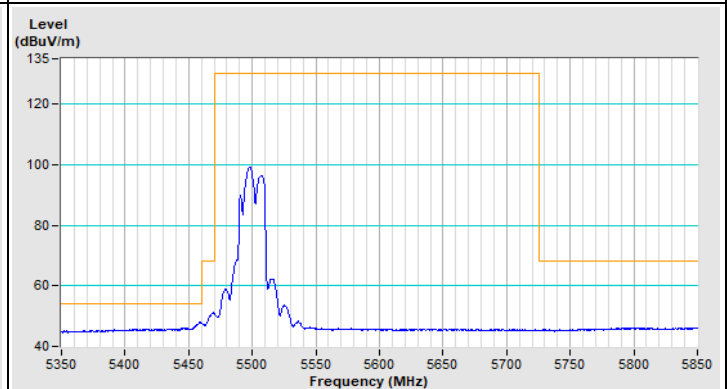
Horizontal (Peak)



Horizontal (Average)

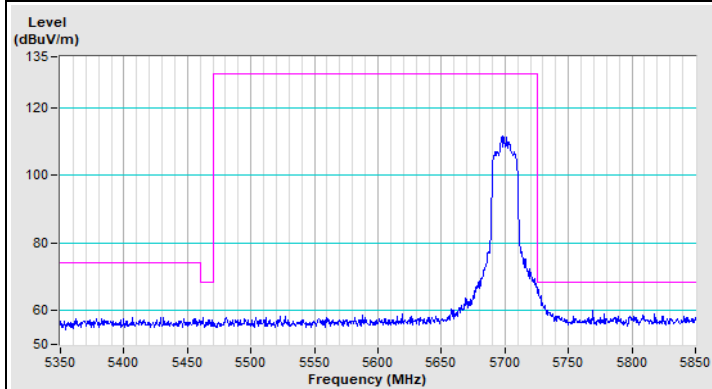


Vertical (Peak)

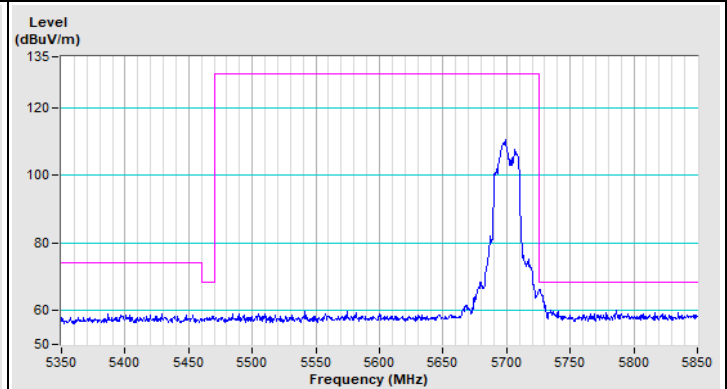


Vertical (Average)

802.11ax (HE20) Full RU Channel 140



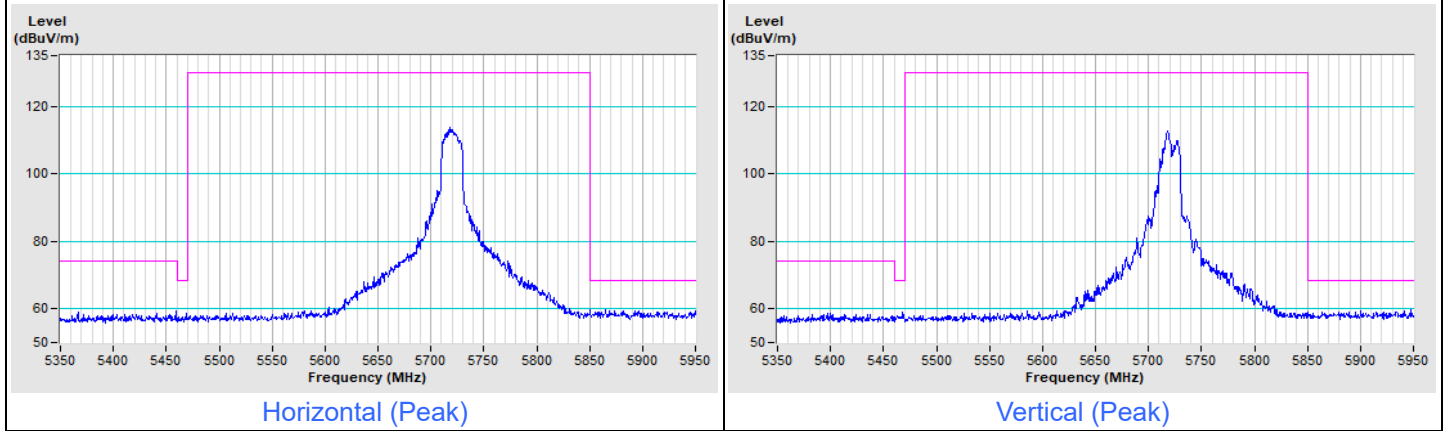
Horizontal (Peak)



Vertical (Peak)

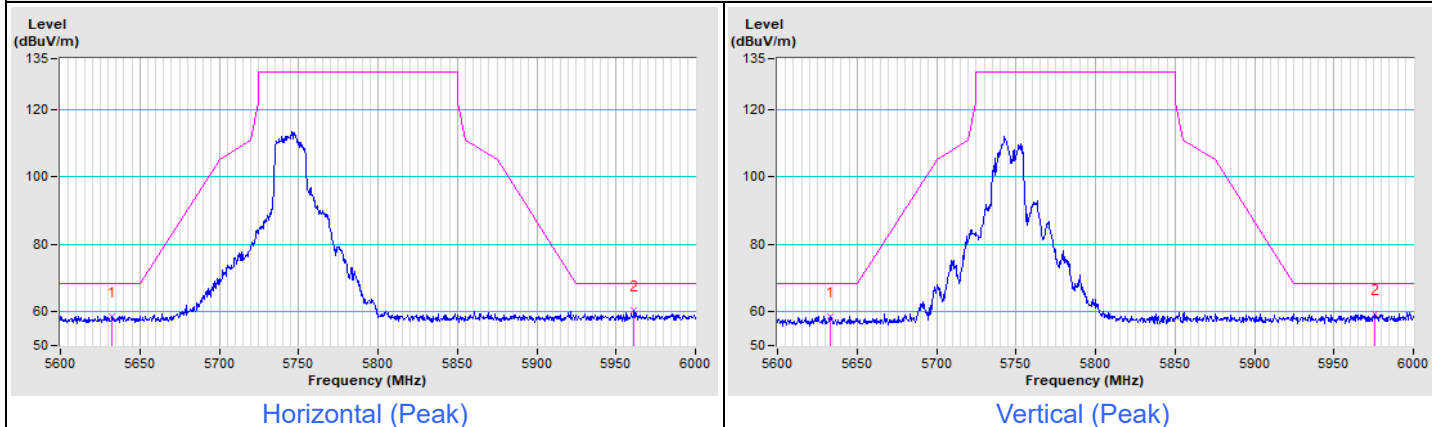
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE20) Full RU Channel 144

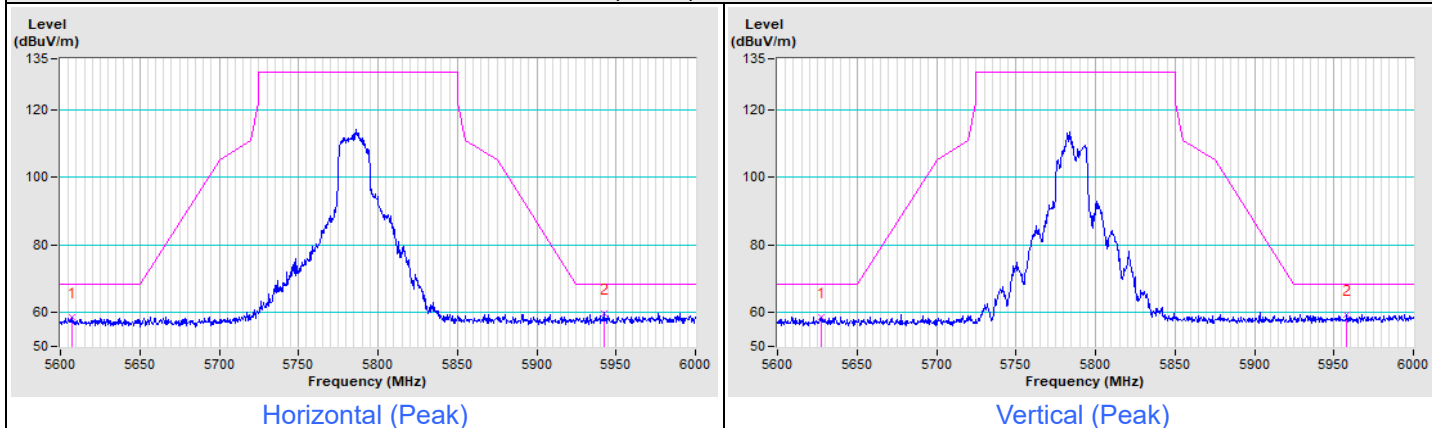


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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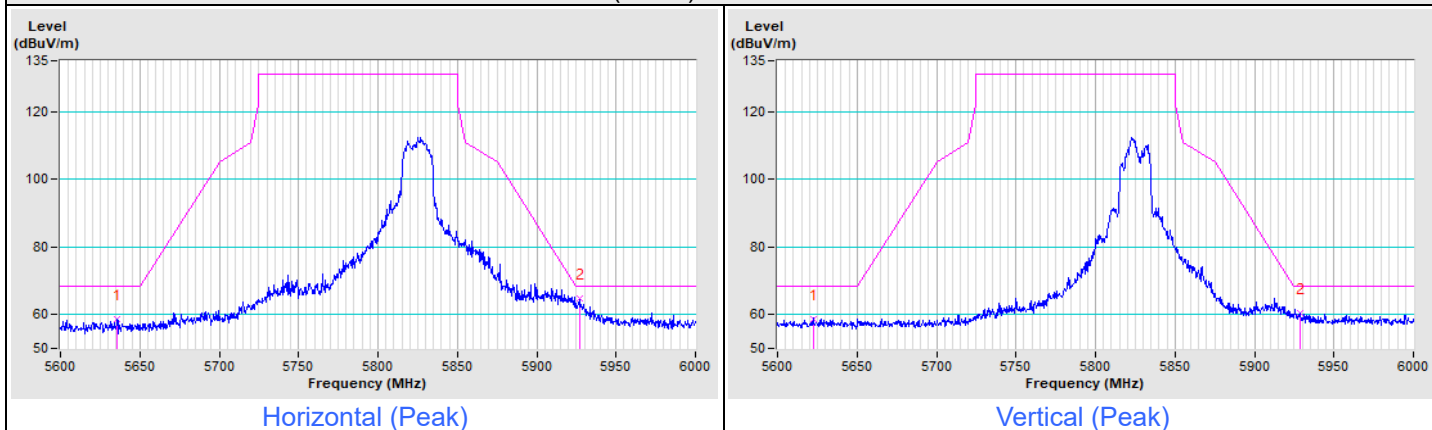
802.11ax (HE20) Full RU Channel 149



802.11ax (HE20) Full RU Channel 157

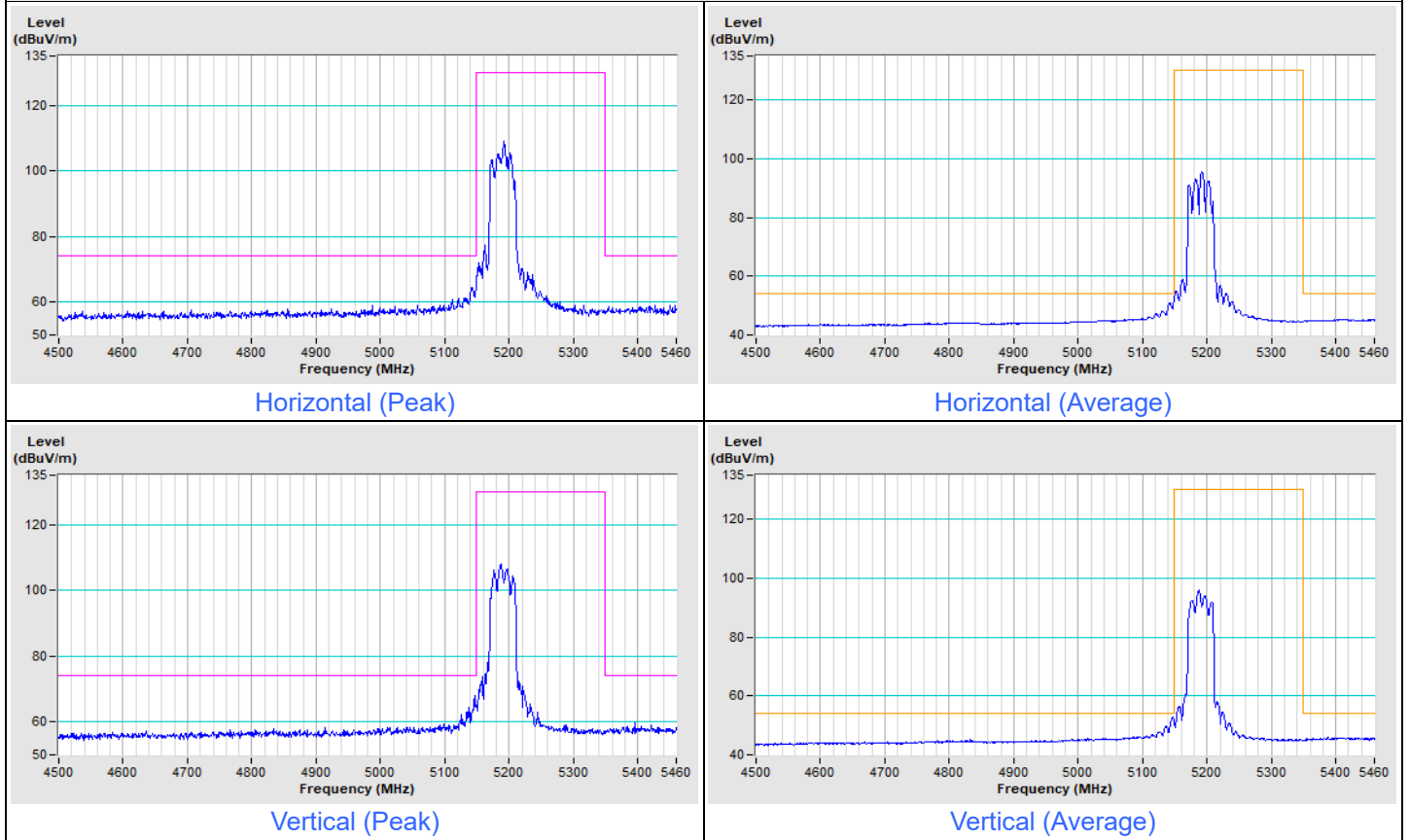


802.11ax (HE20) Full RU Channel 165

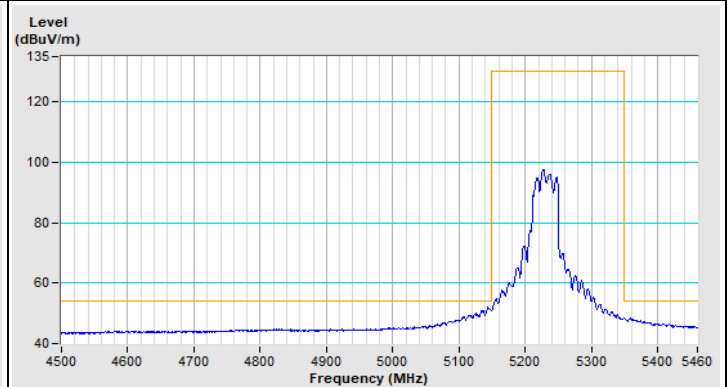
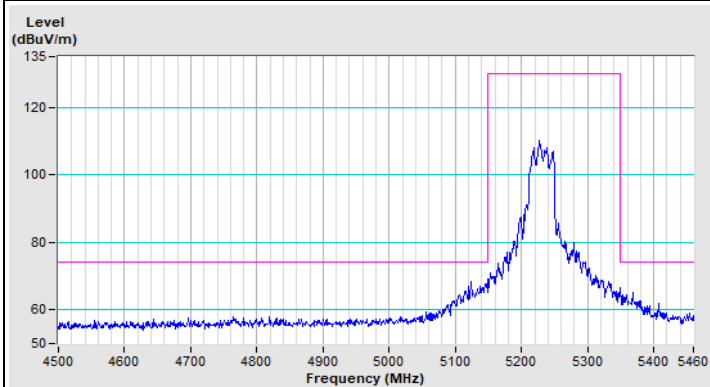
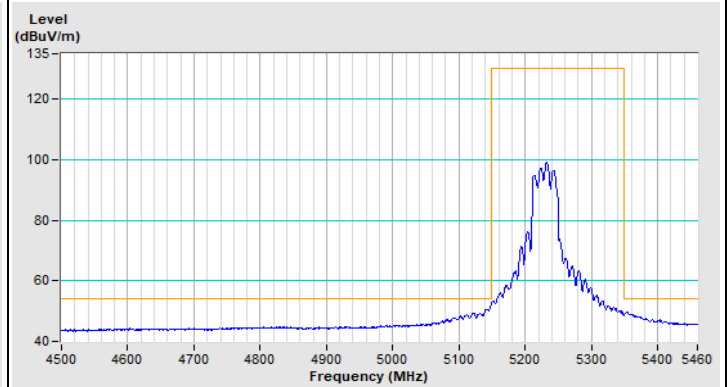
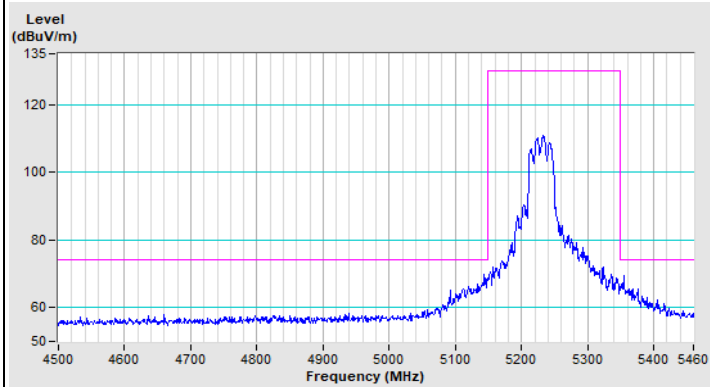


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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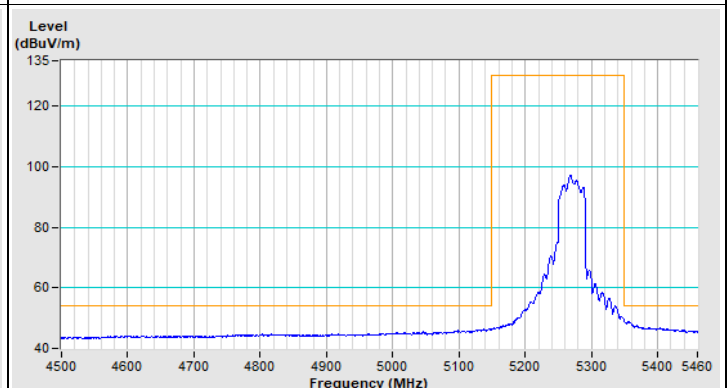
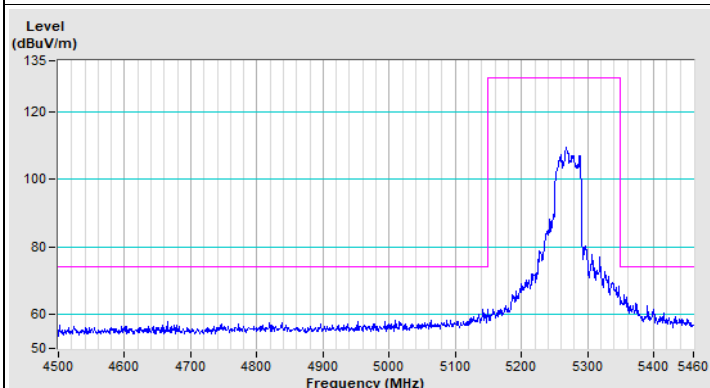
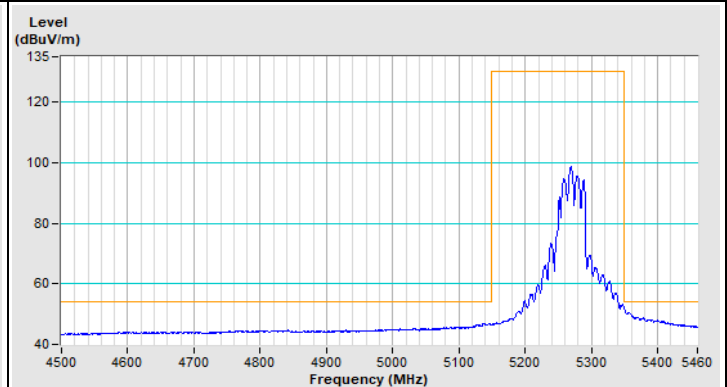
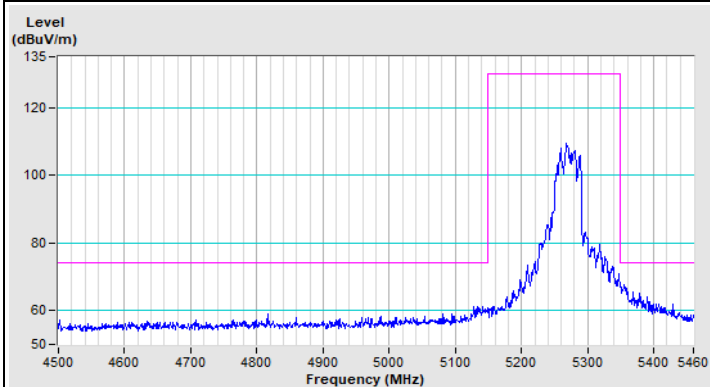
802.11ax (HE40) Full RU Channel 38



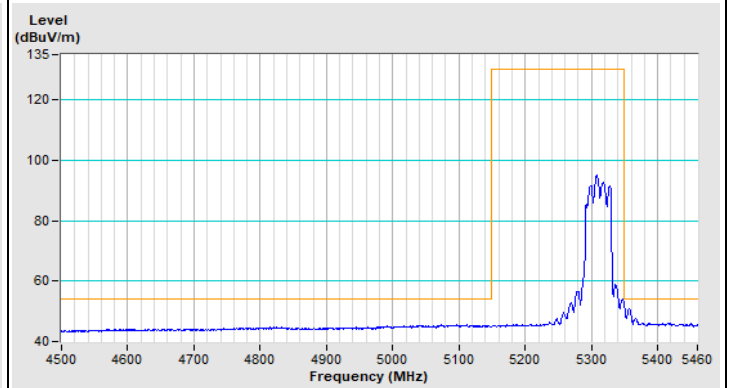
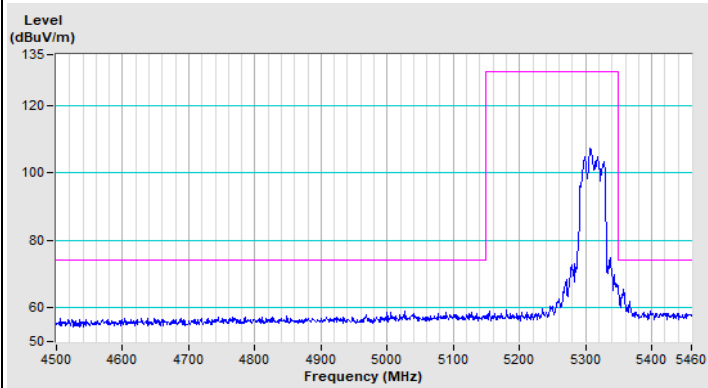
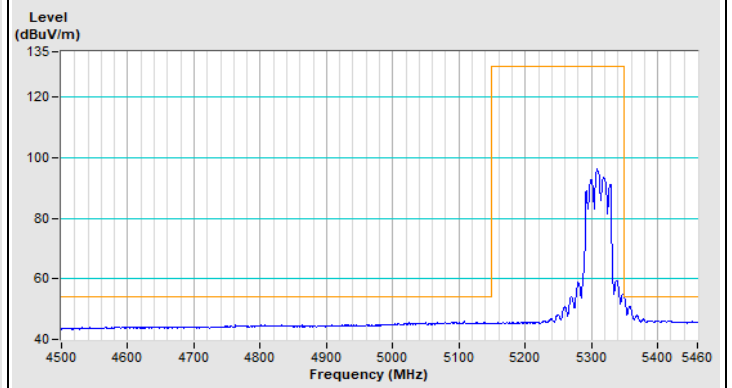
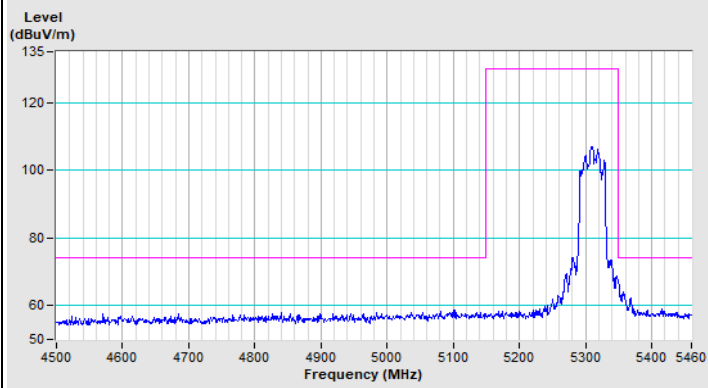
802.11ax (HE40) Full RU Channel 46



802.11ax (HE40) Full RU Channel 54

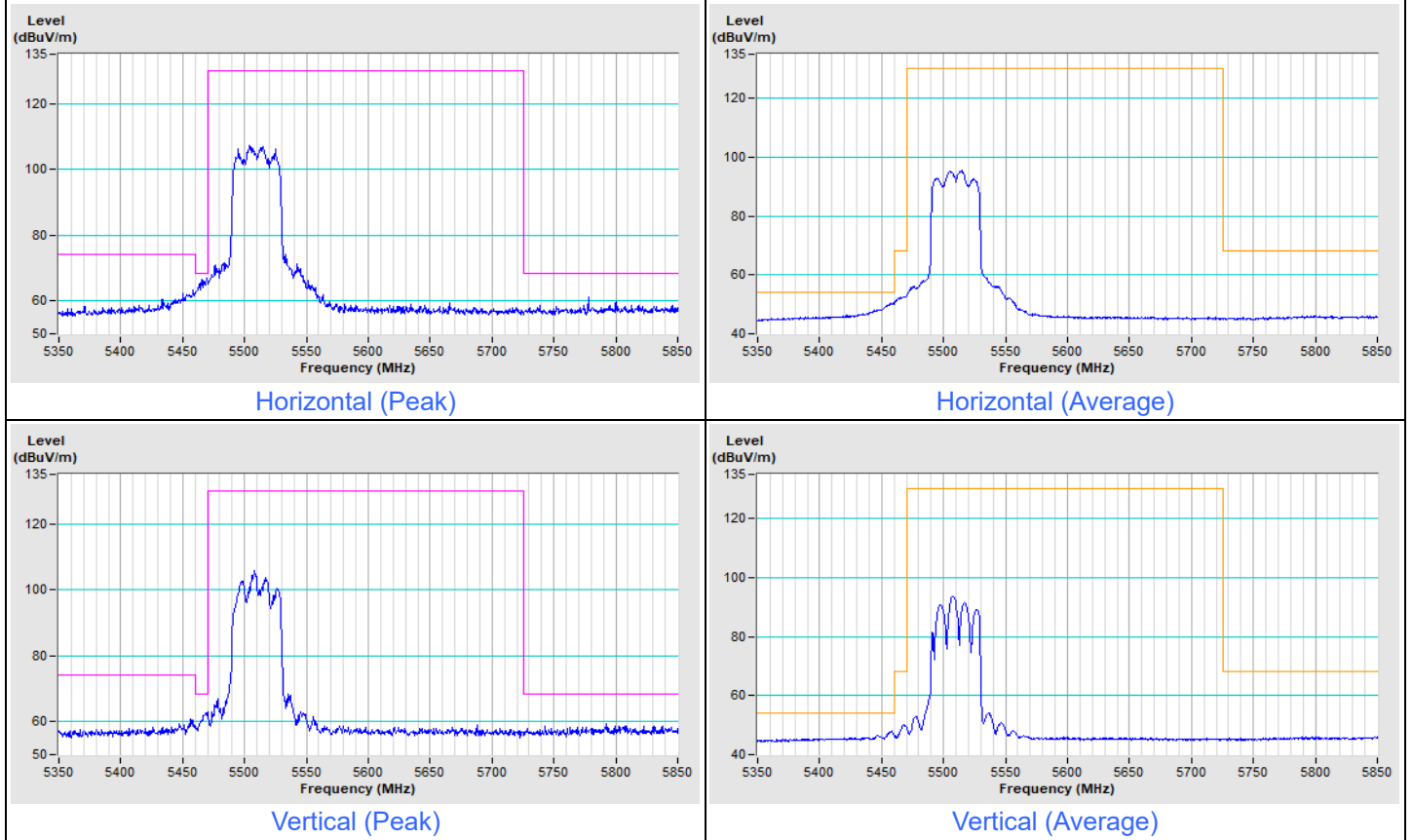


802.11ax (HE40) Full RU Channel 62

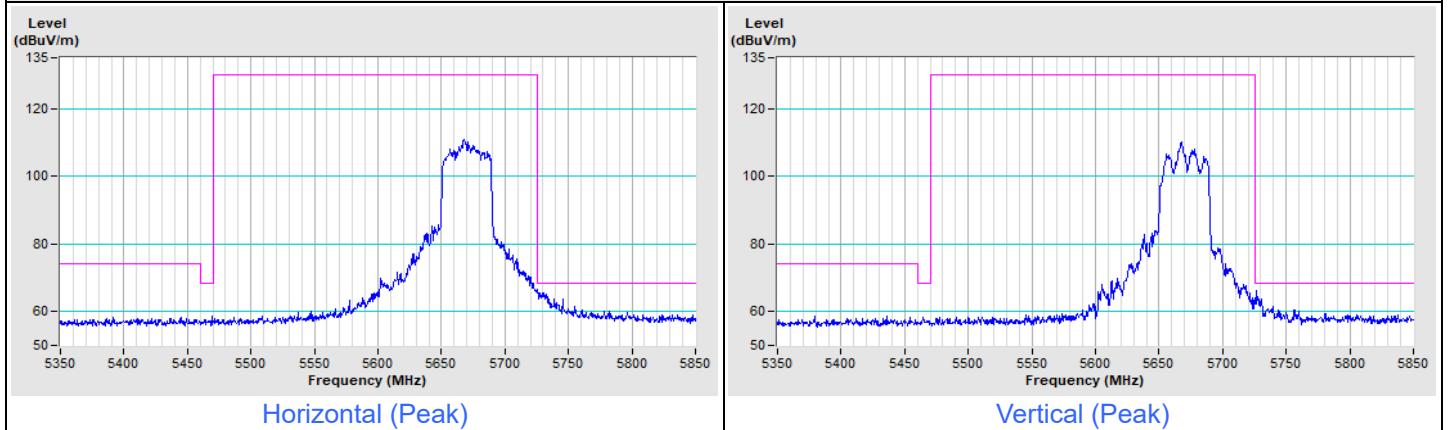


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE40) Full RU Channel 102

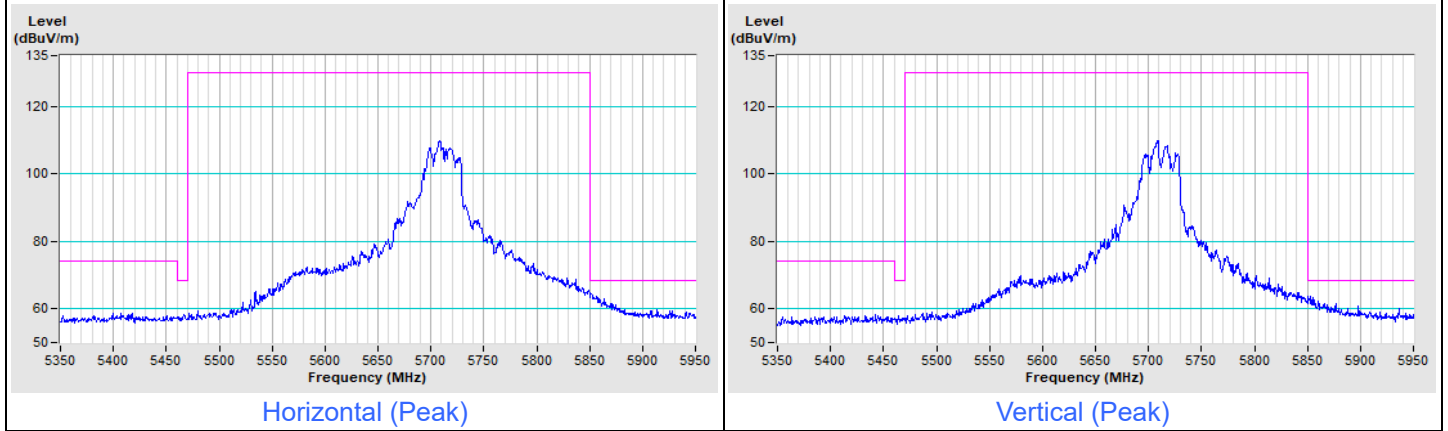


802.11ax (HE40) Full RU Channel 134



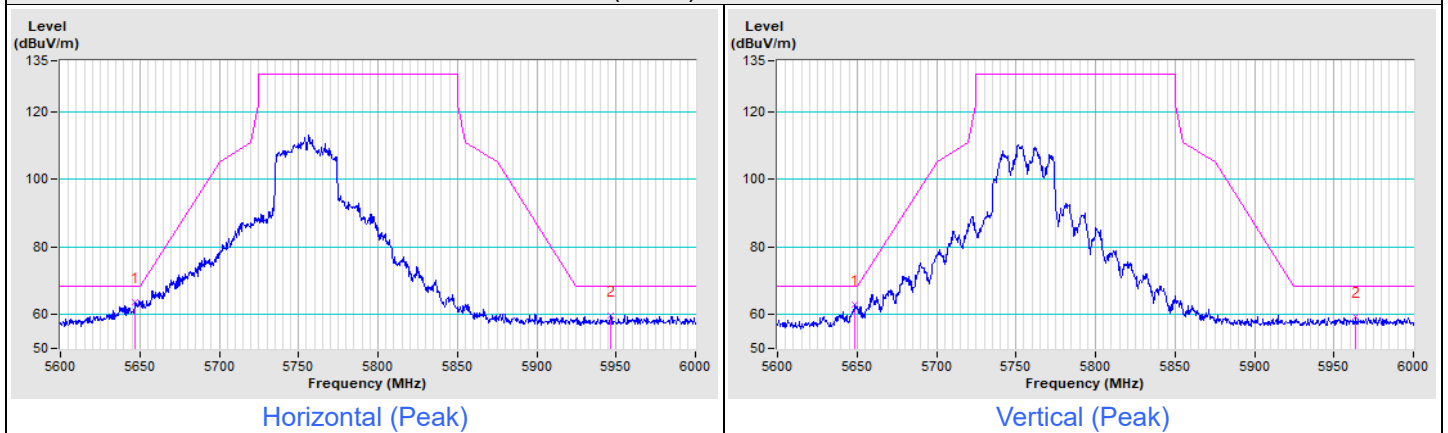
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Full RU Channel 142

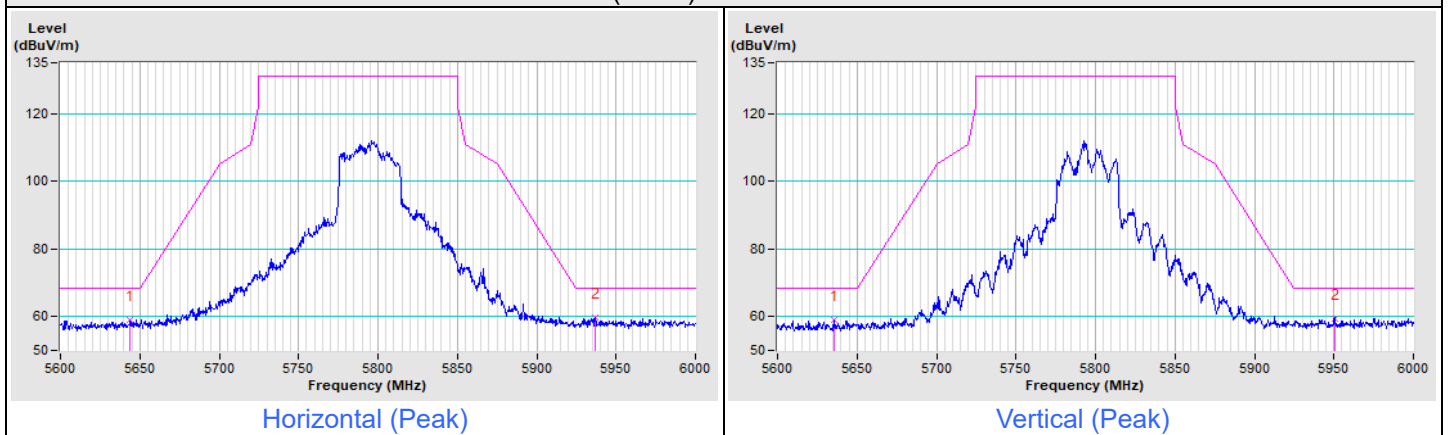


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Full RU Channel 151

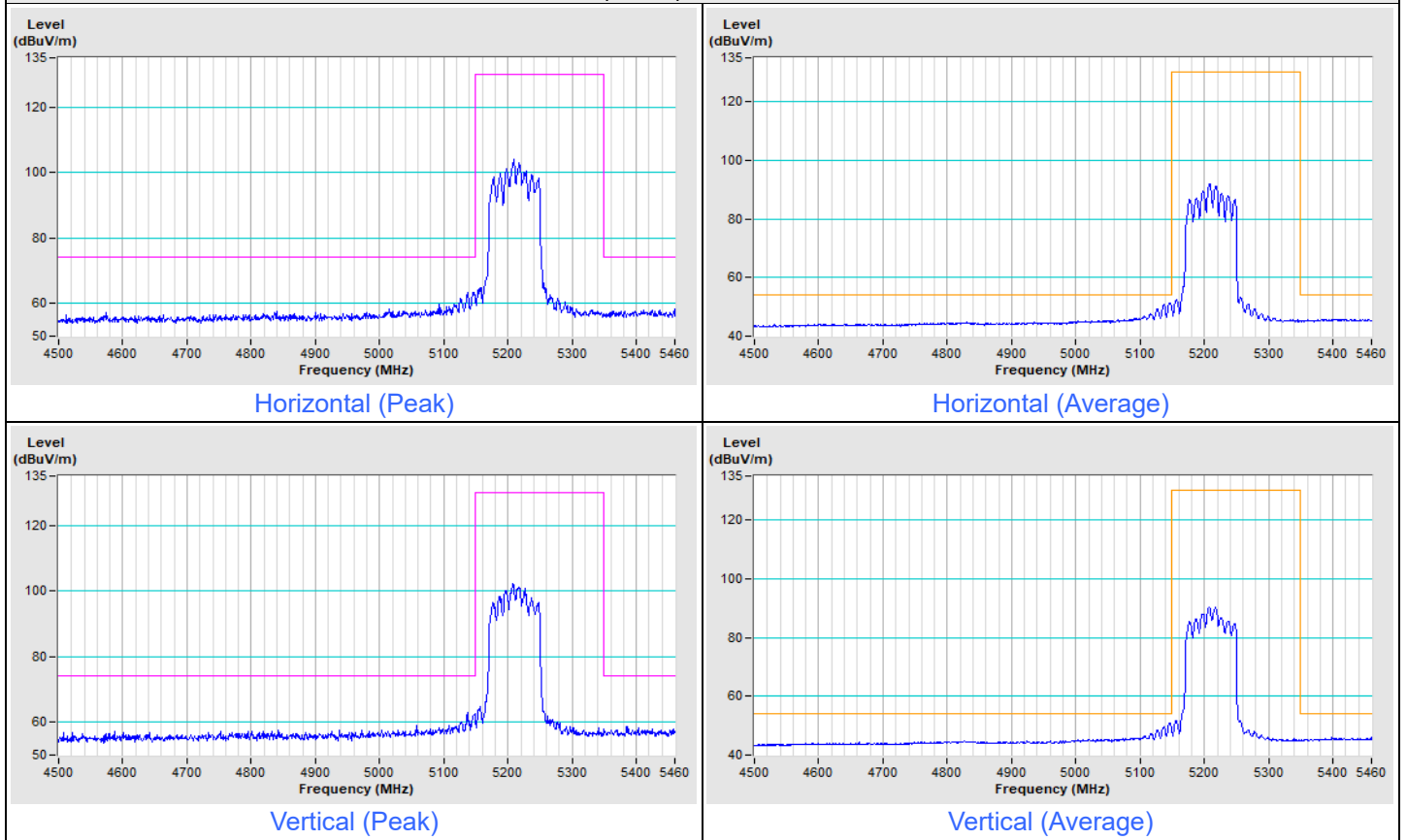


802.11ax (HE40) Full RU Channel 159

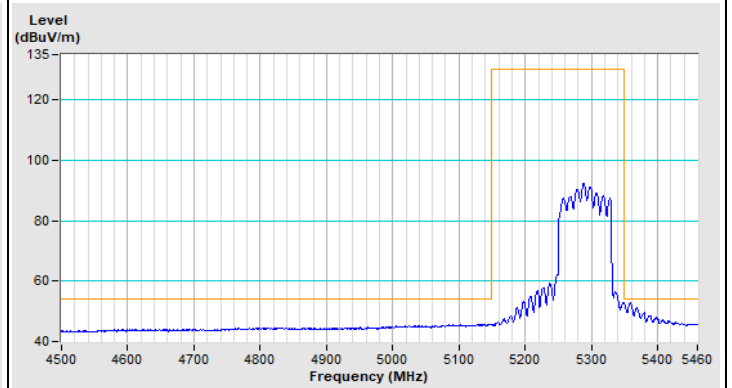
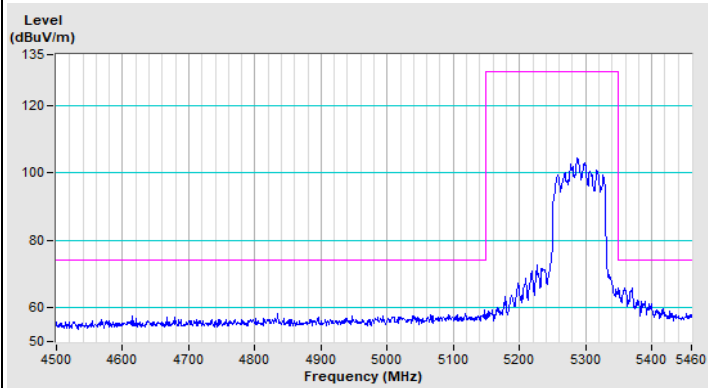
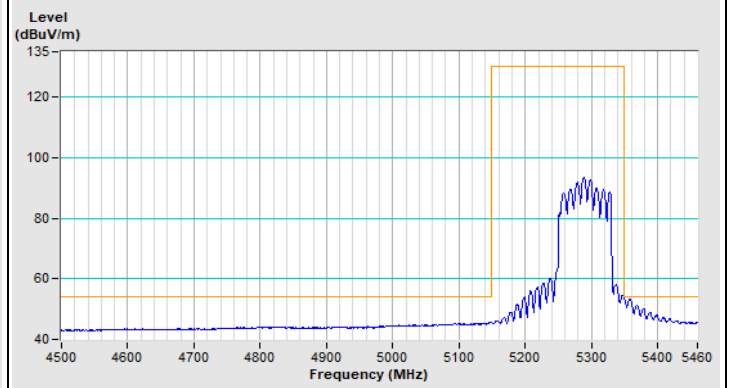
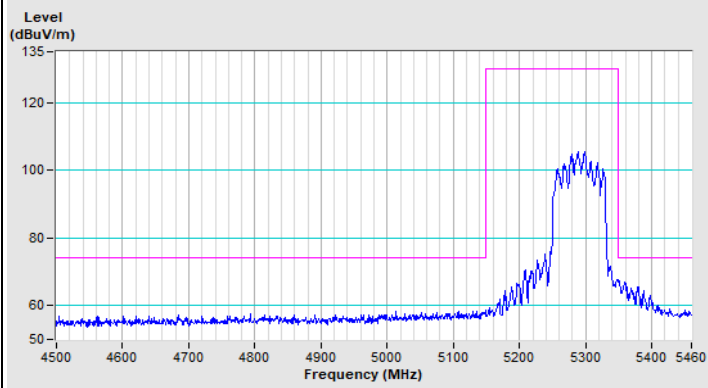


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 42

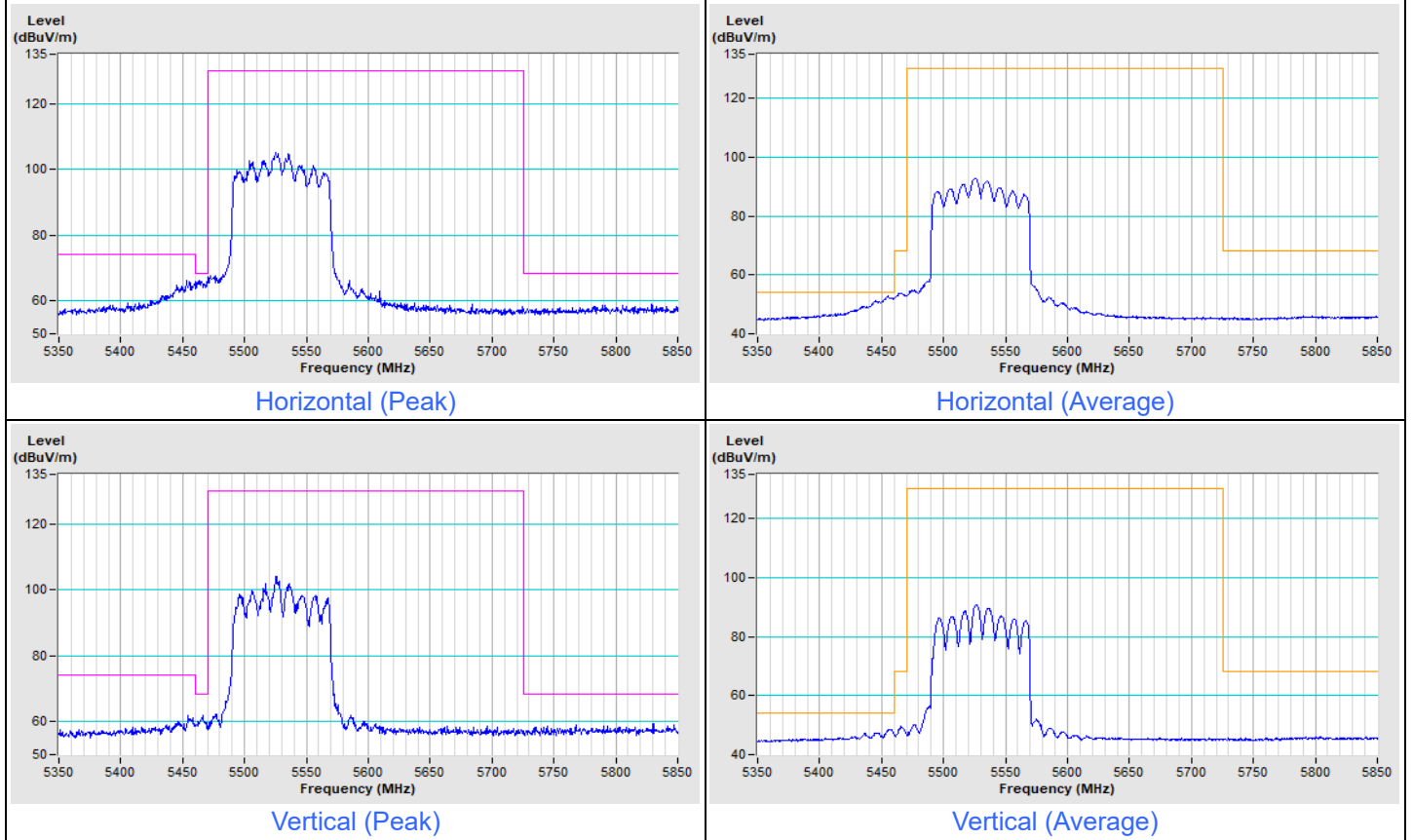


802.11ax (HE80) Full RU Channel 58

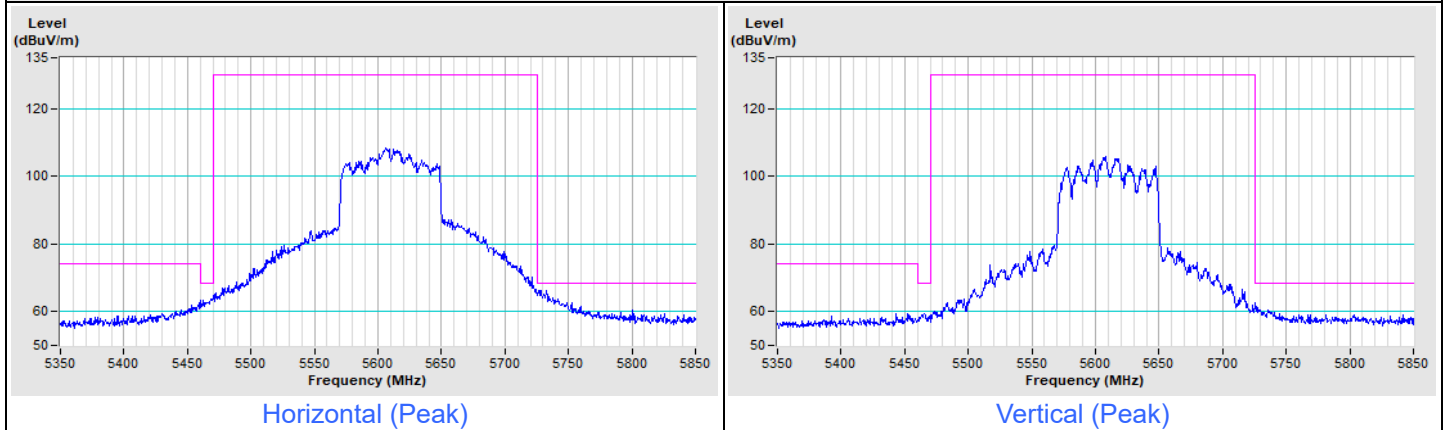


Frequency Range	5.35 GHz ~ 5.85 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Full RU Channel 106

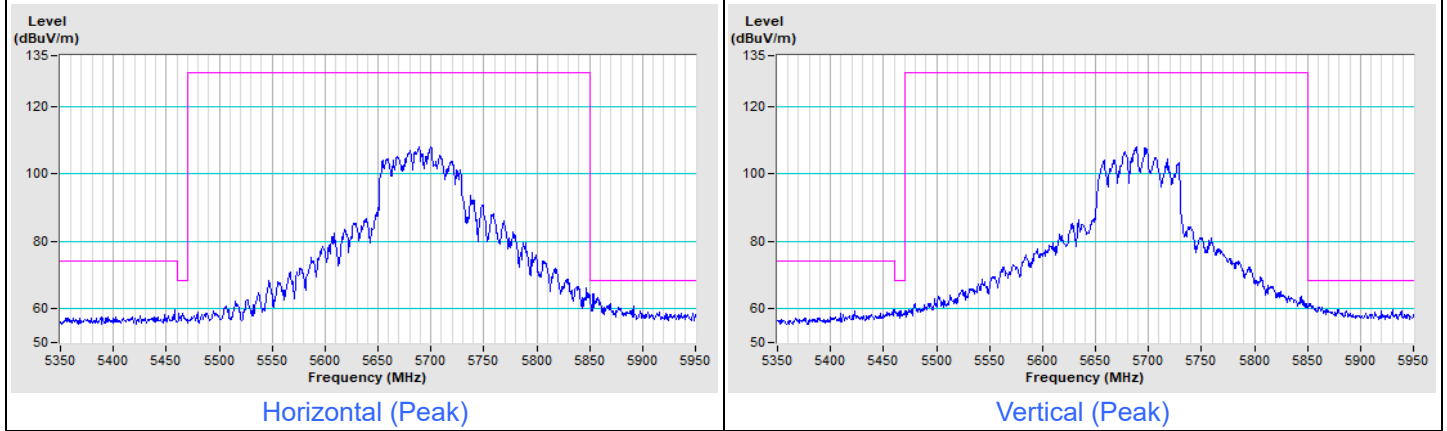


802.11ax (HE80) Full RU Channel 122



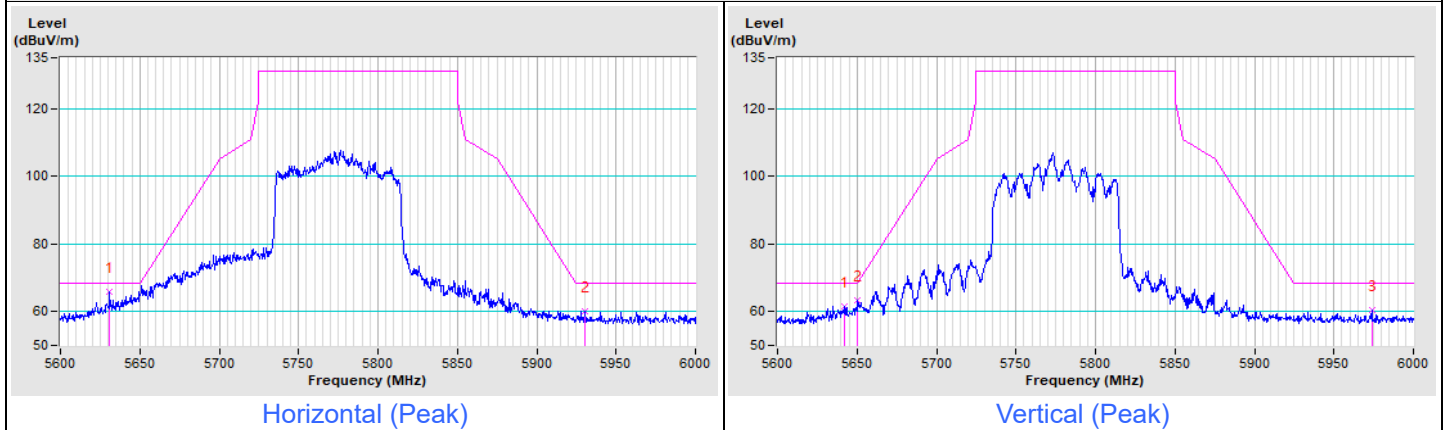
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Full RU Channel 138



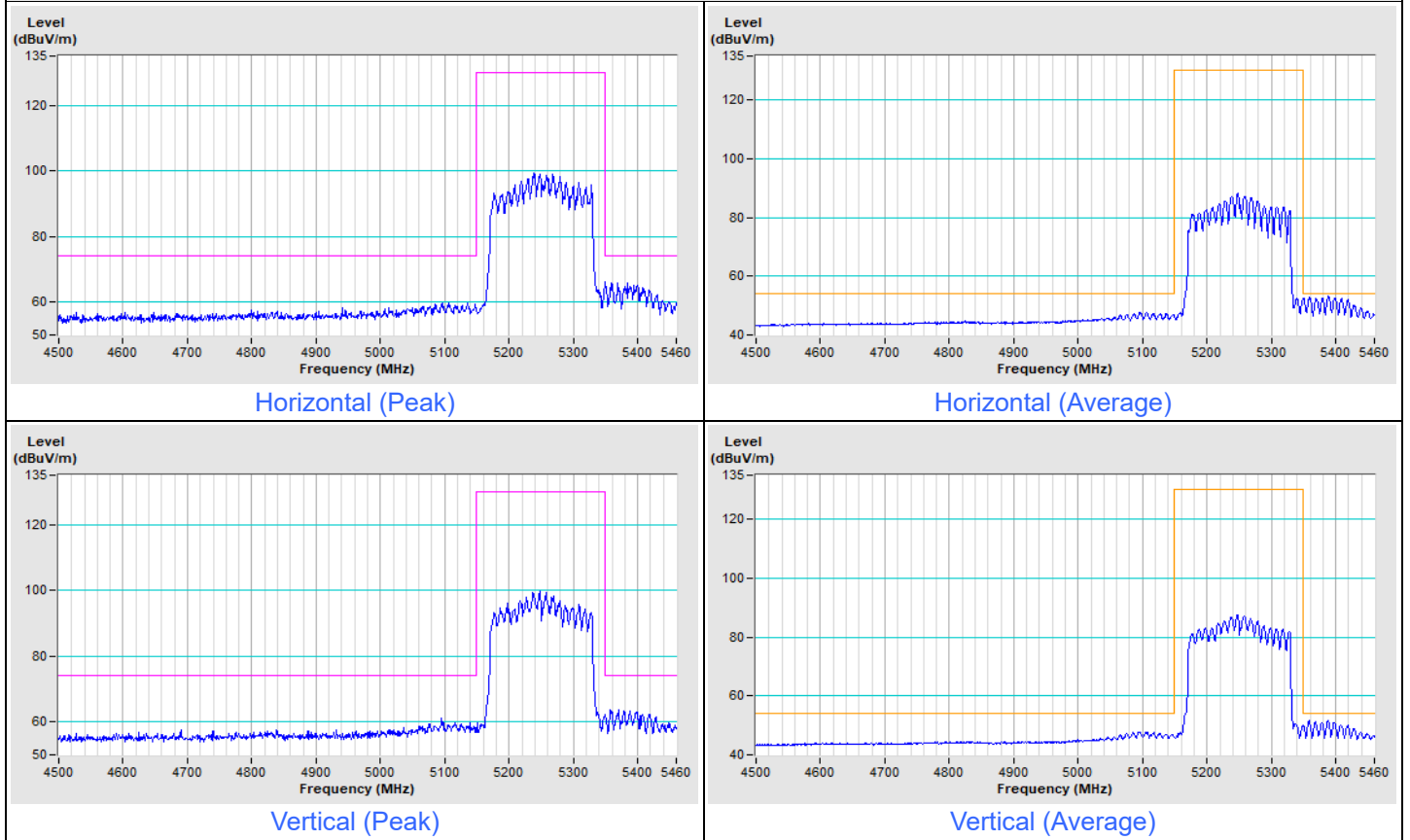
Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Full RU Channel 155



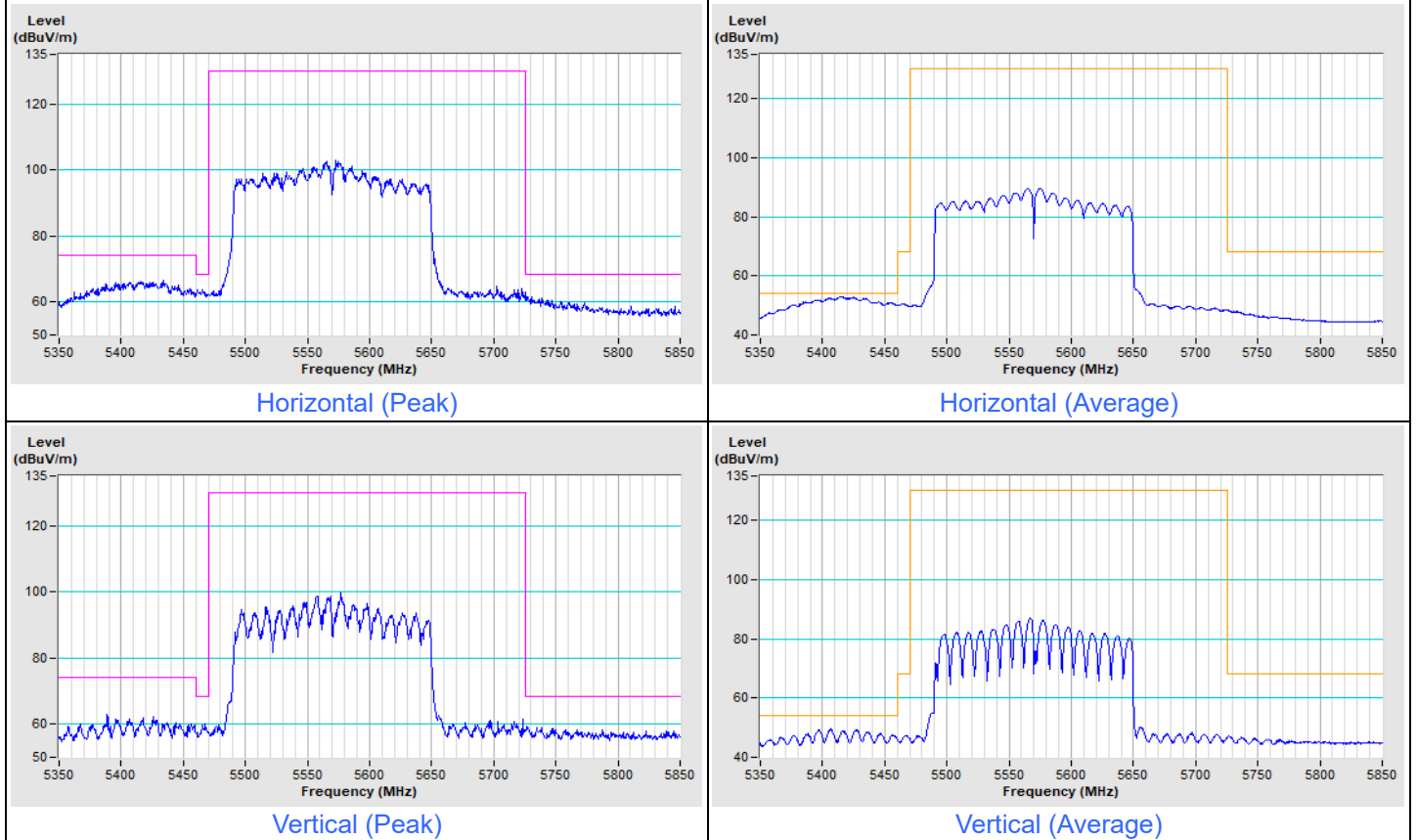
Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE160) Full RU Channel 50



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



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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