

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBICM-WTW-P25020305-2

FCC ID: S9E-135100

Product: Rugged Controller

Brand: Trimble or



Model No.: 135100

Received Date: 2025/2/12

Test Date: 2025/3/7 ~ 2025/4/10

Issued Date: 2025/5/16

Applicant: Trimble Inc.

Address: 5475 Kellenburger Road, Dayton, Ohio 45424

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

FCC Registration / 198487 / TW2021

Designation Number:

Approved by:

Jeremy Lin

Date:

2025/5/16

Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBICM-WTW-P25020305-2	Original release.	2025/5/16

1 Certificate

Product: Rugged Controller

Brand: Trimble or



Test Model: 135100

Sample Status: Engineering sample

Applicant: Trimble Inc.

Test Date: 2025/3/7 ~ 2025/4/10

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 -11.56 dB at 0.51955 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.7 dB at 226.04 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 -4.6 dB at 5350.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex 4 not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
26 dB Bandwidth	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.55 dB
	30 MHz ~ 1 GHz	5.77 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 6 GHz	4.71 dB
	6 GHz ~ 18 GHz	5.3 dB
	18 GHz ~ 40 GHz	4.98 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	Rugged Controller
Brand	Trimble or 
Test Model	135100
Host Marketing Name (HMN)	Rugged Controller
Status of EUT	Engineering sample
Power Supply Rating	7.26Vdc from battery 5.0Vdc from adapter or host equipment
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 : 36.734 mW (15.65 dBm) 5.25 GHz ~ 5.32 GHz : 35.574 mW (15.51 dBm) 5.5 GHz ~ 5.72 GHz : 31.583 mW (14.99 dBm) 5.745 GHz ~ 5.825 GHz : 24.692 mW (13.93 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Item	Brand	Model	Specification
USB-C Cable	Trimble	140100-00	1.95m, type C to type C, shielded
Touch Pen	Trimble	122338	-
Adapter(Optional)	FULLPOWER	TYPE-C45IC	Input Power: 100-240Vac, 50/60Hz, 1.3A Output Power: 5.0V=3.0A/9.0V=3.0A/12.0V=3.0A, 15.0V=3.0A/20.0V=2.25A 45.0W

2. The EUT consumes power from the following battery:

Item	Brand	Model No.	Specification
Battery	ETICA Battery Inc.	SGB-02	7.26V, 32.67Wh, 4500mAh

3. There are WWAN, WLAN, Bluetooth & NFC technology used for the EUT.

4. Contain FCC ID: S9E-N7NEM75T.

5. Simultaneously transmission combination.

Combination	Technology			
1	WWAN	WLAN 2.4GHz (MIMO)	-	NFC
2	WWAN	WLAN 2.4GHz (Main)	BT (Aux)	NFC
3	WWAN	WLAN 5GHz (MIMO)	BT (Aux)	NFC

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

6. 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.

RF Chain NO.	Brand	Model	Gain (dBi)	Frequency range	Antenna Type	Connector Type
Main	Pulse	TZ2977E	3.39	5.15~5.25GHz	PIFA	ipex 4
			3.38	5.25~5.35GHz		
			3.66	5.47~5.725GHz		
			2.65	5.725~5.85GHz		
Aux	Pulse	TZ29770	4.2	5.15~5.25GHz	PIFA	ipex 4
			3.91	5.25~5.35GHz		
			3.54	5.47~5.725GHz		
			3.6	5.725~5.85GHz		

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

2. The EUT incorporates a MIMO function:

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

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz, 160 MHz). Therefore the 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. For Unwanted Emission below/ above 1 GHz has Battery/ EUT with USB cable(Adapter)/ EUT with USB cable(Laptop) mode of power supply. Pre-scan these modes and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis. 2. For Unwanted Emission below/ above 1 GHz Worst Condition: EUT with USB cable(Adapter).

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

Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	A	802.11a	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
		802.11ax (HE20)	CDD	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
		802.11ax (HE40)	CDD	54, 62, 102, 110, 134, 142	BPSK	MCS0
		802.11ax (HE80)	CDD	58, 106, 122, 138	BPSK	MCS0
		802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
RF Output Power	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11n (HT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11n (HT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ac (VHT40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ac (VHT80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ac (VHT160)	CDD	50, 114	BPSK	MCS0
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
		802.11ax (HE160)	CDD	50, 114	BPSK	MCS0
Power Spectral Density	A	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0

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

3.5 Duty Cycle of Test Signal

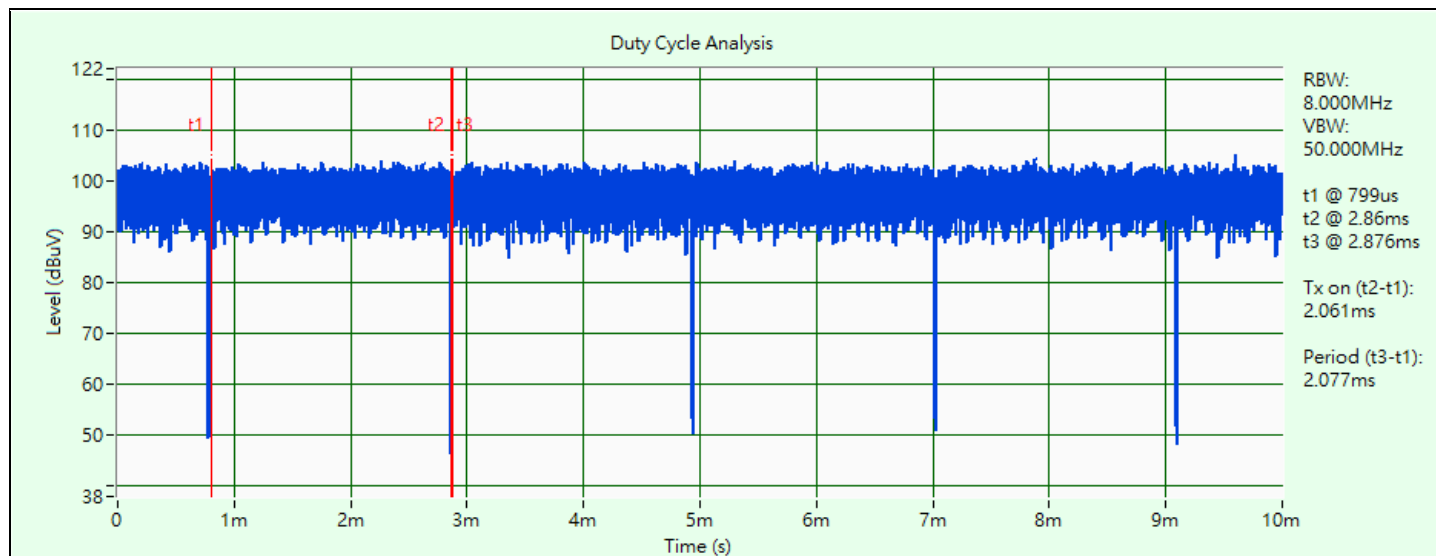
802.11a: Duty cycle = 2.061 ms / 2.077 ms x 100% = 99.2%

802.11ax (HE20): Duty cycle = 5.445 ms / 5.461 ms x 100% = 99.7%

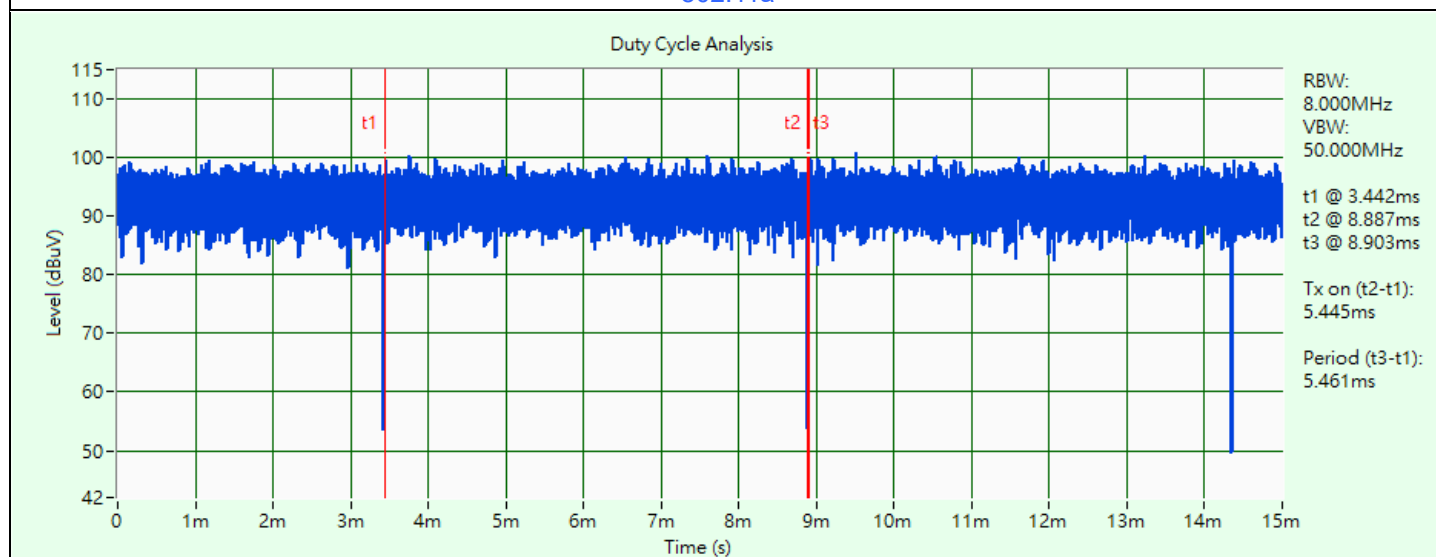
802.11ax (HE40): Duty cycle = 5.446 ms / 5.46 ms x 100% = 99.7%

802.11ax (HE80): Duty cycle = 5.446 ms / 5.461 ms x 100% = 99.7%

802.11ax (HE160): Duty cycle = 5.446 ms / 5.46 ms x 100% = 99.7%

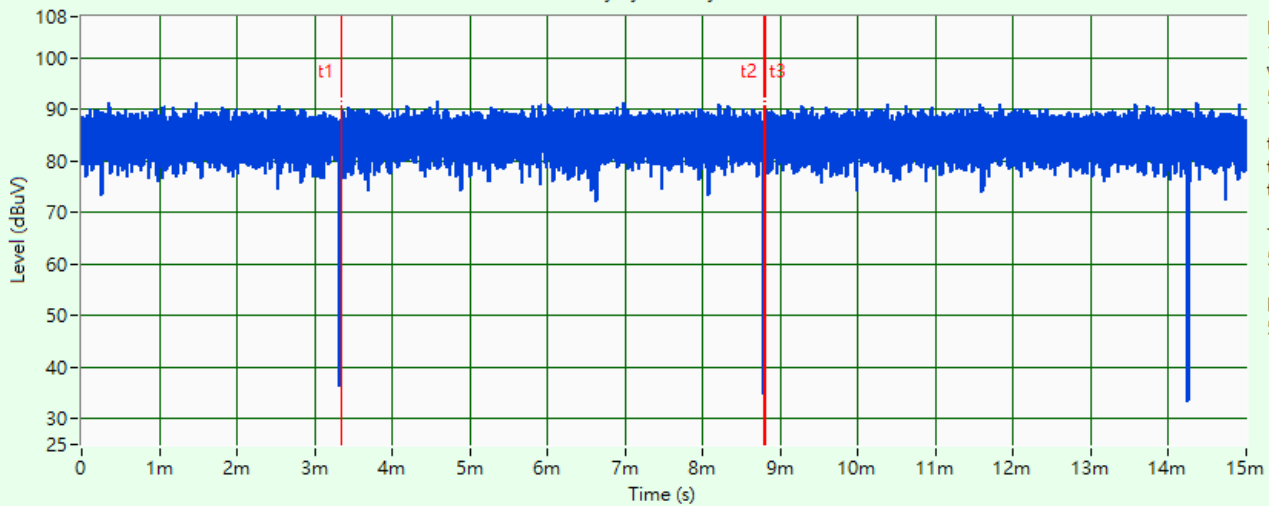


802.11a



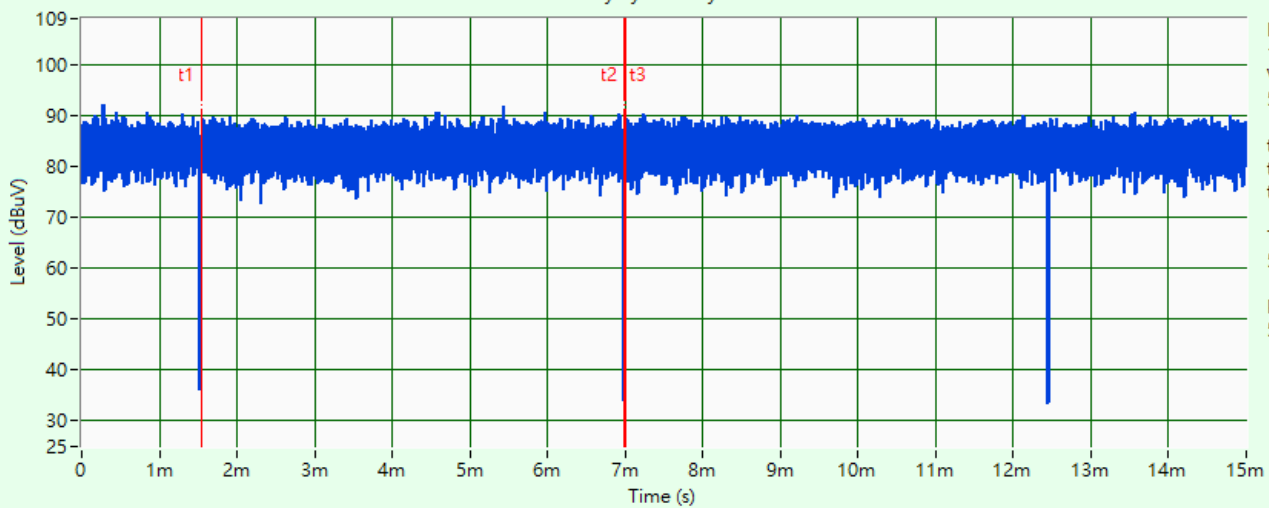
802.11ax (HE20)

Duty Cycle Analysis



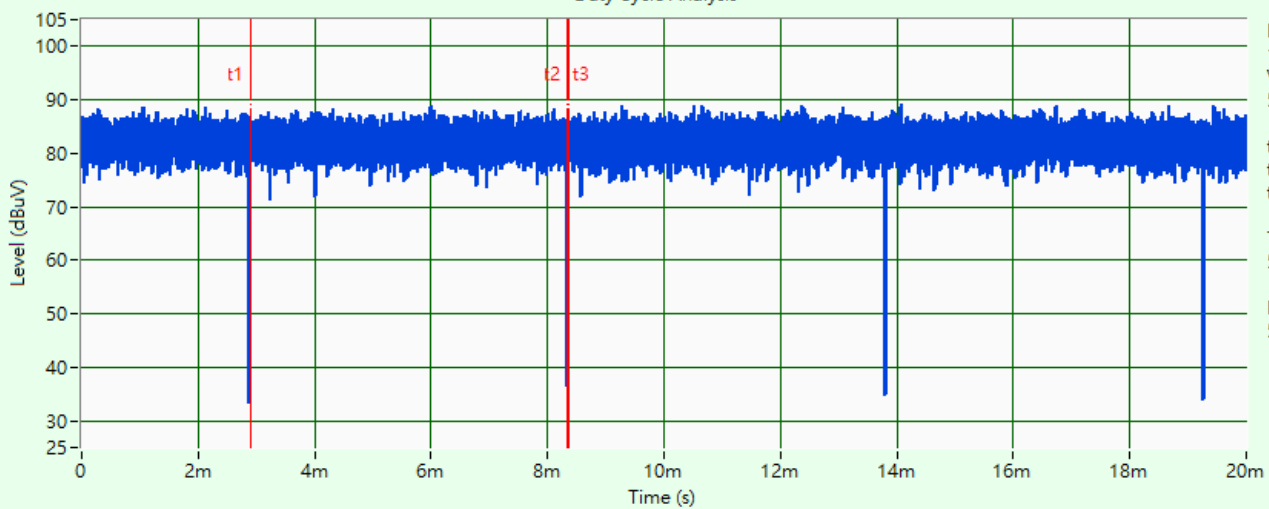
802.11ax (HE40)

Duty Cycle Analysis



802.11ax (HE80)

Duty Cycle Analysis



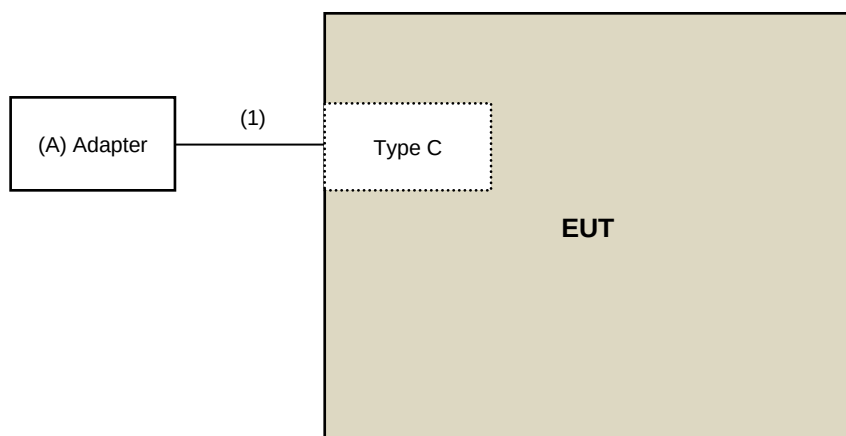
802.11ax (HE160)

3.6 Test Program Used and Operation Descriptions

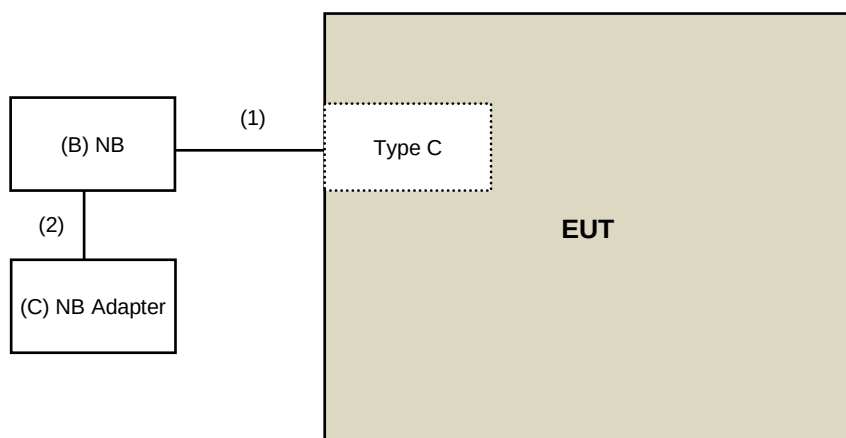
Controlling software (QRCT v4.0.211) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	FULLPOWER	TYPE-C451C	N/A	N/A	Supplied by applicant
B	NB	Lenovo	IdeaPad 5 15ITL05	N/A	N/A	Provided by Lab
C	NB Adapter	Lenovo	ADLX65CLGC2A	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	USB-C Cable	1	1.95	Y	0	Supplied by applicant
2	DC cable	1	1.9	N	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Fixed Attenuator Solvang Technology	STI02-3310-10	STI02-3310-10_013	2024/6/19	2025/6/18

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/4/1

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	0738404	2024/5/13	2025/5/12
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
RF Power Meter Anritsu	ML2495A	0842014	2024/5/13	2025/5/12
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
USB Wideband Power Sensor Keysight	U2021XA	U2021XA_001	2024/6/7	2025/6/6
Fixed Attenuator Solvang Technology	STI02-3310-10	STI02-3310-10_013	2024/6/19	2025/6/18

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/4/1

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 LYNICS	0900510	E1-011284	2024/9/16	2025/9/15
		E1-011285	2024/9/25	2025/9/24
EMI Test Receiver R&S	ESR3	102412	2024/12/26	2025/12/25
		102414	2024/12/11	2025/12/10
Fixed Attenuator STI	STI02-2200-10	NO.4	2024/8/30	2025/8/29
High Voltage Probe Schwarzbeck	TK9420	00982	2024/12/6	2025/12/5
Isolation Transformer Erika Fiedler	D-65396	017	2024/9/18	2025/9/17
LISN R&S	ENV216	101196	2024/5/22	2025/5/21
LISN Schwarzbeck	NNLK 8121	8121-731	2024/6/12	2025/6/11
		8121-808	2024/4/26	2025/4/25
	NNLK 8129	8129229	2024/10/14	2025/10/13
	NSLK 8128	8128-244	2024/11/11	2025/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2024/5/16	2025/5/15
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2025/1/17	2026/1/16
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2025/3/20 ~ 2025/4/10

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	137	2024/10/9	2025/10/8
Coupling / Decoupling Network Schwarzbeck	CDNE-M2	00097	2024/5/28	2025/5/27
	CDNE-M3	00091	2024/5/28	2025/5/27
MXE EMI Receiver Keysight	N9038A	MY55420137	2024/5/8	2025/5/7
Preamplifier Agilent	8447D	2944A11064	2025/2/14	2026/2/13
Preamplifier EMCI	EMC001340	980269	2024/6/25	2025/6/24
Radiating Loop Antenna TESEQ	RLA 6120-20	80002	2024/7/30	2025/7/29
RF Coaxial Cable Pacfic	8D-FB	Cable-CH6-02	2024/6/25	2025/6/24
Signal Analyzer R&S	FSV40	101544	2024/6/20	2025/6/19
Software BVADT	Radiated_V8.7.08	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/3/14

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight antenna tower fixture BV	BAF-02	6	N/A	N/A
High Pass Filter Wainwright	WHK 3.1/18G-10SS	SN 8	2024/5/24	2025/5/23
Horn Antenna EMCO	3115	00028257	2024/11/10	2025/11/9
Horn Antenna ETS-Lindgren	3117-PA	00215857	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	212	2024/10/18	2025/10/17
		BBHA9170190	2024/11/10	2025/11/9
MXE EMI Receiver Keysight	N9038A	MY55420137	2024/5/8	2025/5/7
Notch Filter Micro-Tronics	BRC50703-01	010	2024/5/24	2025/5/23
	BRM17690	005	2024/5/24	2025/5/23
Preamplifier EMCI	EMC0126545	980076	2025/2/14	2026/2/13
	EMC184045B	980175	2024/8/25	2025/8/24
		980235	2025/2/14	2026/2/13
Preamplifier HP	8449B	3008A01201	2025/2/14	2026/2/13
RF Coaxial Cable EMCI	EMC104	190801	2024/7/5	2025/7/4
		190804	2024/7/5	2025/7/4
RF Coaxial Cable EMEC	EM102-KMKM-100	02	2024/7/5	2025/7/4
RF Coaxial Cable HUBER+SUHNER	SF-104	Cable-CH6-01	2024/7/5	2025/7/4
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
		101544	2024/6/20	2025/6/19
Software BVADT	Radiated_V7.7.1.1.1	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/3/7 ~ 2025/4/2

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 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.

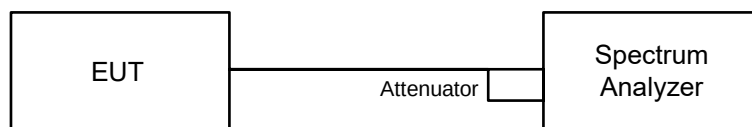
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

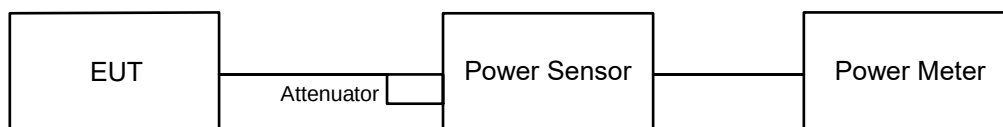


6.1.2 Test Procedure

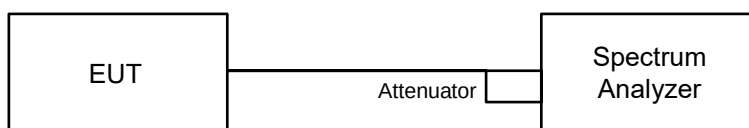
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

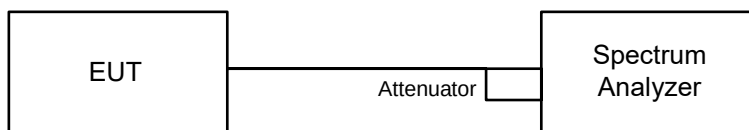
Method SA-1

- 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

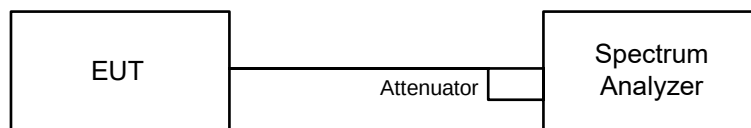
For specified measurement bandwidth 500 kHz:

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

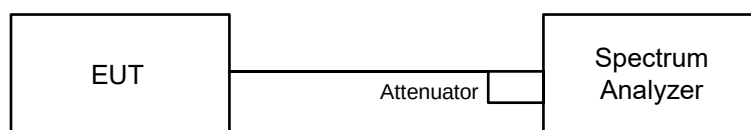


6.4.2 Test Procedure

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

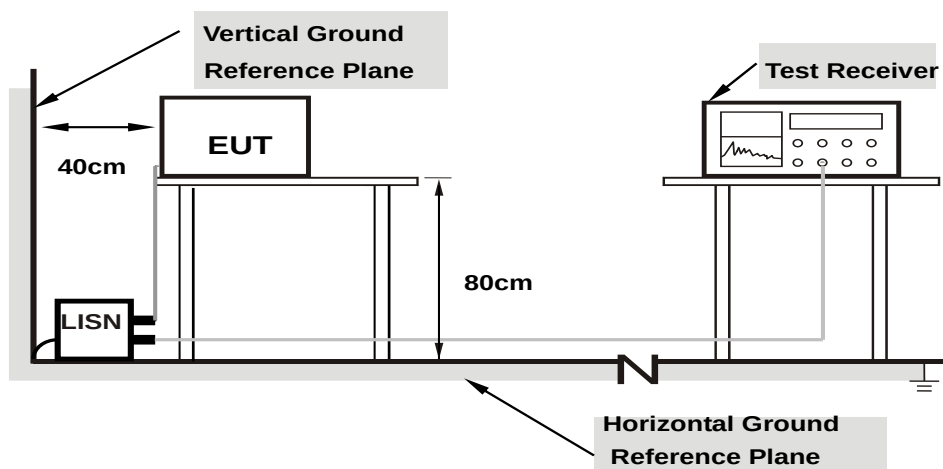


6.5.2 Test Procedure

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

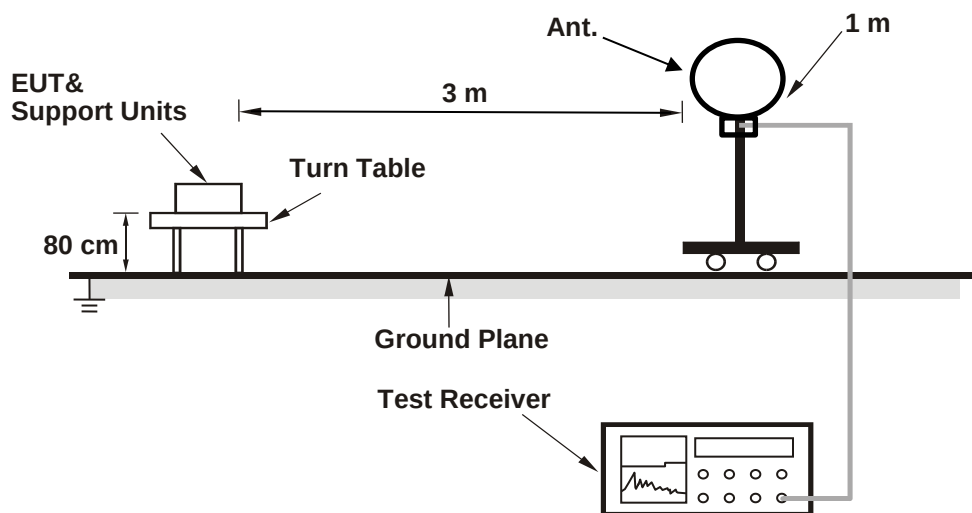
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

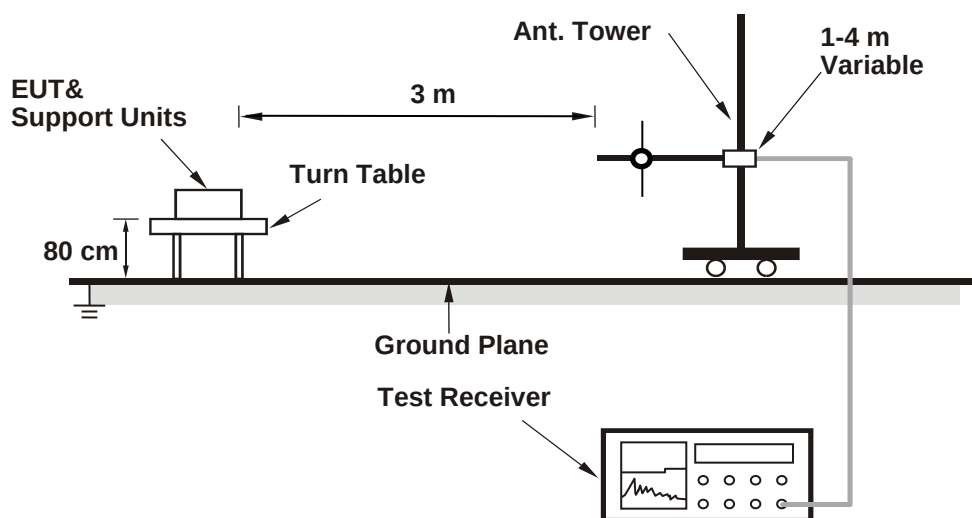
6.7 Unwanted Emissions below 1 GHz

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

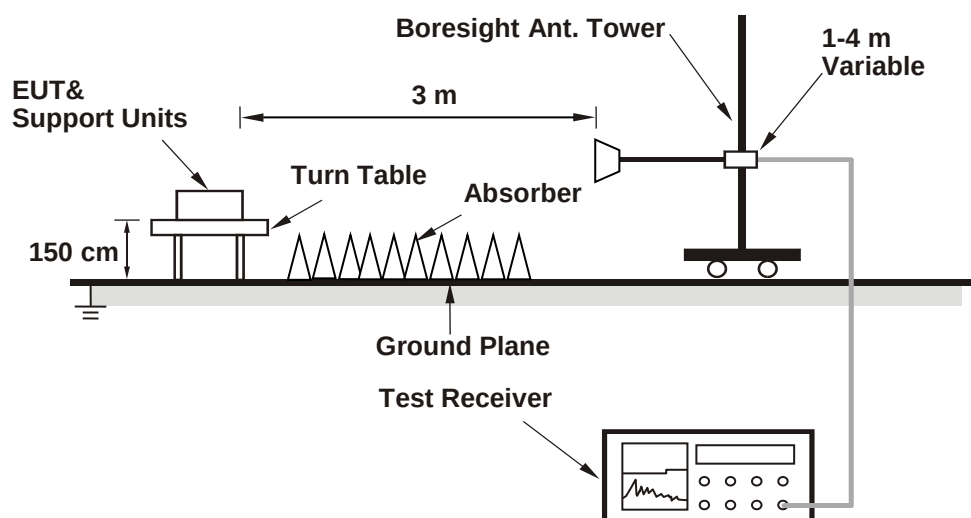
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.11	19.13
60	5300	19.14	19.13
64	5320	19.11	19.27
100	5500	19.14	19.08
116	5580	19.18	19.26
140	5700	19.11	19.27
144 (U-NII-2C)	5720	14.80	14.72
144 (U-NII-3)	5720	4.36	4.52

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	19.11	23.81 < 24
60	5300	19.13	23.81 < 24
64	5320	19.11	23.81 < 24
100	5500	19.08	23.8 < 24
116	5580	19.18	23.82 < 24
140	5700	19.11	23.81 < 24
144 (U-NII-2C)	5720	14.72	22.67 < 24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.10	21.14
60	5300	21.11	21.24
64	5320	20.88	21.10
100	5500	21.17	21.25
116	5580	21.14	21.05
140	5700	21.06	20.94
144 (U-NII-2C)	5720	15.68	15.60
144 (U-NII-3)	5720	5.47	5.44

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	21.10	24.24 > 24
60	5300	21.11	24.24 > 24
64	5320	20.88	24.19 > 24
100	5500	21.17	24.25 > 24
116	5580	21.05	24.23 > 24
140	5700	20.94	24.2 > 24
144 (U-NII-2C)	5720	15.60	22.93 < 24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.00	40.96
62	5310	40.87	40.84
102	5510	40.79	40.70
110	5550	40.84	40.84
134	5670	40.92	40.96
142 (U-NII-2C)	5710	35.71	35.50
142 (U-NII-3)	5710	5.41	5.47

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	40.96	27.12 > 24
62	5310	40.84	27.11 > 24
102	5510	40.70	27.09 > 24
110	5550	40.84	27.11 > 24
134	5670	40.92	27.11 > 24
142 (U-NII-2C)	5710	35.50	26.5 > 24

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

802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.97	83.09
106	5530	83.29	83.21
122	5610	83.17	83.14
138 (U-NII-2C)	5690	76.76	76.58
138 (U-NII-3)	5690	6.48	6.37

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	82.97	30.18 > 24
106	5530	83.21	30.2 > 24
122	5610	83.14	30.19 > 24
138 (U-NII-2C)	5690	76.58	29.84 > 24

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

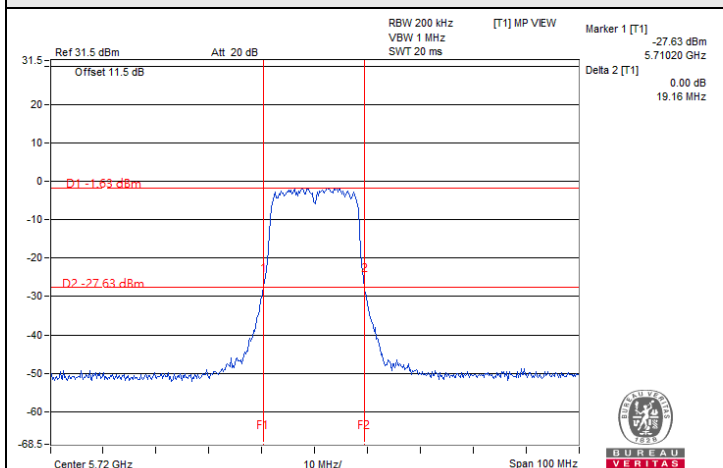
802.11ax (HE160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.70	83.05
50 (U-NII-2A)	5250	83.30	83.24
114	5570	166.77	166.72

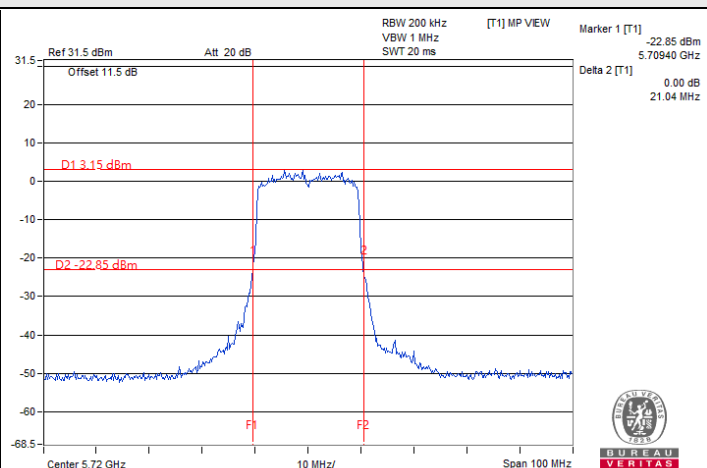
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	83.24	30.2 > 24
114	5570	166.72	33.21 > 24

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

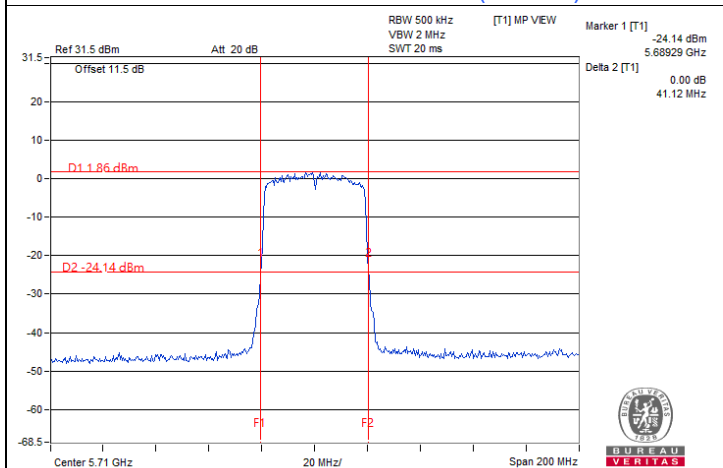
Spectrum Plot of Minimum Value



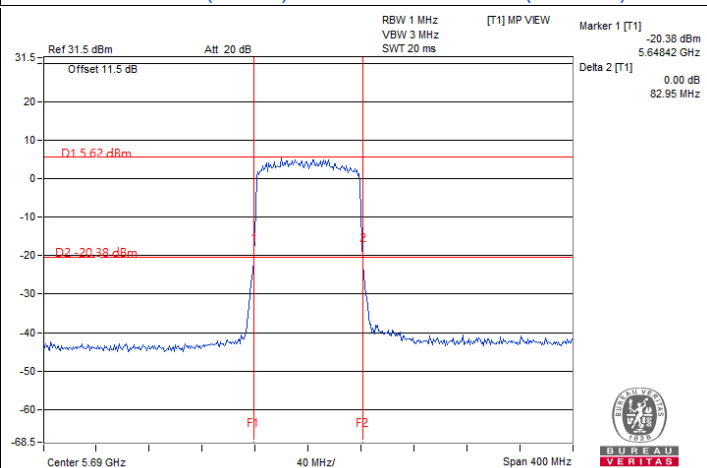
802.11a / Chain 0 : CH 144 (U-NII-3)



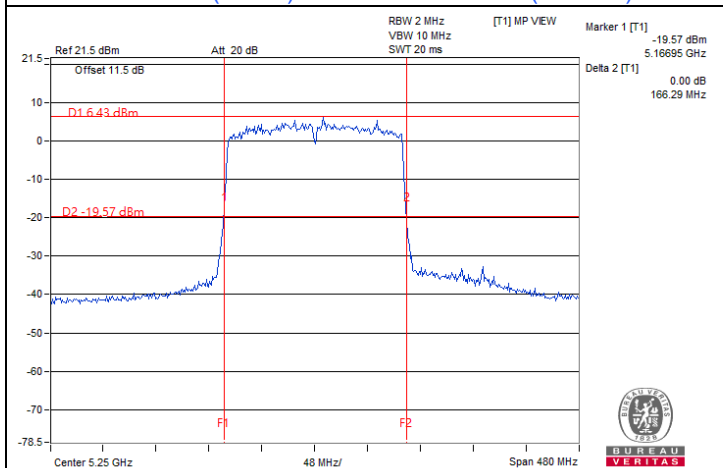
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



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



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



802.11ax (HE160) / 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:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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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	12.04	12.98	35.857	15.55	24	Pass
40	5200	12.02	13.07	36.199	15.59	24	Pass
48	5240	12.01	12.36	33.104	15.20	24	Pass
52	5260	11.98	12.39	33.114	15.20	23.81	Pass
60	5300	11.95	12.99	35.574	15.51	23.81	Pass
64	5320	11.94	12.98	35.492	15.50	23.81	Pass
100	5500	10.70	12.92	31.337	14.96	23.8	Pass
116	5580	10.45	12.94	30.771	14.88	23.82	Pass
140	5700	10.64	12.97	31.403	14.97	23.81	Pass
*144 (U-NII-2C)	5720	9.20	11.16	21.379	13.30	22.67	Pass
*144 (U-NII-3)	5720	2.60	4.69	4.764	6.78	30	Pass
149	5745	9.48	11.58	23.26	13.67	30	Pass
157	5785	9.56	11.67	23.726	13.75	30	Pass
165	5825	9.60	11.62	23.641	13.74	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.60	12.85	33.73	15.28	24	Pass
40	5200	11.74	12.84	34.159	15.34	24	Pass
48	5240	12.28	12.42	34.363	15.36	24	Pass
52	5260	12.09	12.49	33.923	15.30	24	Pass
60	5300	11.69	12.91	34.3	15.35	24	Pass
64	5320	11.58	12.97	34.203	15.34	24	Pass
100	5500	10.39	12.81	30.038	14.78	24	Pass
116	5580	10.20	12.82	29.614	14.71	24	Pass
140	5700	10.31	12.85	30.015	14.77	24	Pass
*144 (U-NII-2C)	5720	9.07	11.87	23.454	13.70	24	Pass
*144 (U-NII-3)	5720	2.85	5.75	5.686	7.55	30	Pass
149	5745	9.42	11.58	23.138	13.64	30	Pass
157	5785	9.39	11.66	23.345	13.68	30	Pass
165	5825	9.48	11.49	22.964	13.61	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	11.65	12.76	33.502	15.25	24	Pass
46	5230	11.74	12.83	34.115	15.33	24	Pass
54	5270	12.13	12.54	34.278	15.35	24	Pass
62	5310	11.69	12.78	33.724	15.28	24	Pass
102	5510	10.29	12.89	30.144	14.79	24	Pass
110	5550	9.93	12.79	28.851	14.60	24	Pass
134	5670	10.11	13.03	30.347	14.82	24	Pass
*142 (U-NII-2C)	5710	9.75	12.65	27.848	14.45	24	Pass
*142 (U-NII-3)	5710	-1.50	1.40	2.0883	3.20	30	Pass
151	5755	9.43	11.58	23.158	13.65	30	Pass
159	5795	9.54	11.51	23.153	13.65	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.70	12.93	34.425	15.37	24	Pass
40	5200	11.83	12.94	34.919	15.43	24	Pass
48	5240	12.35	12.48	34.88	15.43	24	Pass
52	5260	12.16	12.60	34.641	15.40	24	Pass
60	5300	11.78	12.98	34.927	15.43	24	Pass
64	5320	11.67	13.05	34.873	15.42	24	Pass
100	5500	10.49	12.90	30.693	14.87	24	Pass
116	5580	10.27	12.89	30.095	14.78	24	Pass
140	5700	10.39	12.95	30.664	14.87	24	Pass
*144 (U-NII-2C)	5720	9.16	12.01	24.127	13.83	24	Pass
*144 (U-NII-3)	5720	2.94	5.88	5.84	7.66	30	Pass
149	5745	9.52	11.67	23.643	13.74	30	Pass
157	5785	9.49	11.75	23.854	13.78	30	Pass
165	5825	9.57	11.60	23.512	13.71	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	11.74	12.84	34.159	15.34	24	Pass
46	5230	11.81	12.94	34.849	15.42	24	Pass
54	5270	12.22	12.62	34.953	15.43	24	Pass
62	5310	11.75	12.89	34.416	15.37	24	Pass
102	5510	10.35	12.97	30.655	14.87	24	Pass
110	5550	10.03	12.88	29.478	14.69	24	Pass
134	5670	10.19	13.11	30.912	14.90	24	Pass
*142 (U-NII-2C)	5710	9.87	12.74	28.498	14.55	24	Pass
*142 (U-NII-3)	5710	-1.43	1.51	2.1352	3.29	30	Pass
151	5755	9.52	11.68	23.677	13.74	30	Pass
159	5795	9.61	11.57	23.496	13.71	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	11.88	12.86	34.737	15.41	24	Pass
58	5290	12.06	12.68	34.605	15.39	24	Pass
106	5530	10.16	13.11	30.84	14.89	24	Pass
122	5610	10.33	12.71	29.453	14.69	24	Pass
*138 (U-NII-2C)	5690	9.85	12.16	26.104	14.17	24	Pass
*138 (U-NII-3)	5690	-5.33	-2.94	0.8012	-0.96	30	Pass
155	5775	9.32	11.70	23.342	13.68	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	9.09	9.33	16.68	12.22	24	Pass
*50 (U-NII-2A)	5250	8.96	9.56	16.907	12.28	24	Pass
114	5570	10.33	12.84	30.02	14.77	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.80	13.01	35.134	15.46	24	Pass
40	5200	11.93	13.05	35.779	15.54	24	Pass
48	5240	12.43	12.54	35.446	15.50	24	Pass
52	5260	12.25	12.67	35.281	15.48	24	Pass
60	5300	11.85	13.05	35.495	15.50	24	Pass
64	5320	11.76	13.13	35.556	15.51	24	Pass
100	5500	10.56	13.01	31.375	14.97	24	Pass
116	5580	10.37	12.96	30.659	14.87	24	Pass
140	5700	10.48	13.03	31.26	14.95	24	Pass
*144 (U-NII-2C)	5720	9.59	11.85	24.41	13.88	22.93	Pass
*144 (U-NII-3)	5720	3.80	6.16	6.529	8.15	30	Pass
149	5745	9.62	11.76	24.159	13.83	30	Pass
157	5785	9.55	11.83	24.256	13.85	30	Pass
165	5825	9.67	11.69	24.025	13.81	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	11.83	12.91	34.784	15.41	24	Pass
46	5230	11.92	13.03	35.651	15.52	24	Pass
54	5270	12.29	12.68	35.479	15.50	24	Pass
62	5310	11.82	12.96	34.975	15.44	24	Pass
102	5510	10.44	13.05	31.25	14.95	24	Pass
110	5550	10.13	12.99	30.211	14.80	24	Pass
134	5670	10.25	13.19	31.437	14.97	24	Pass
*142 (U-NII-2C)	5710	9.90	12.79	28.783	14.59	24	Pass
*142 (U-NII-3)	5710	-0.96	2.01	2.3902	3.78	30	Pass
151	5755	9.59	11.78	24.165	13.83	30	Pass
159	5795	9.71	11.65	23.976	13.80	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	12.33	12.93	36.734	15.65	24	Pass
58	5290	12.13	12.75	35.167	15.46	24	Pass
106	5530	10.26	13.20	31.51	14.98	24	Pass
122	5610	10.43	12.80	30.095	14.78	24	Pass
*138 (U-NII-2C)	5690	9.92	12.54	27.765	14.43	24	Pass
*138 (U-NII-3)	5690	-4.37	-1.68	1.0448	0.19	30	Pass
155	5775	9.85	11.77	24.692	13.93	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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.6 dBi < 6 dBi, so the output power limit shall not be reduced.

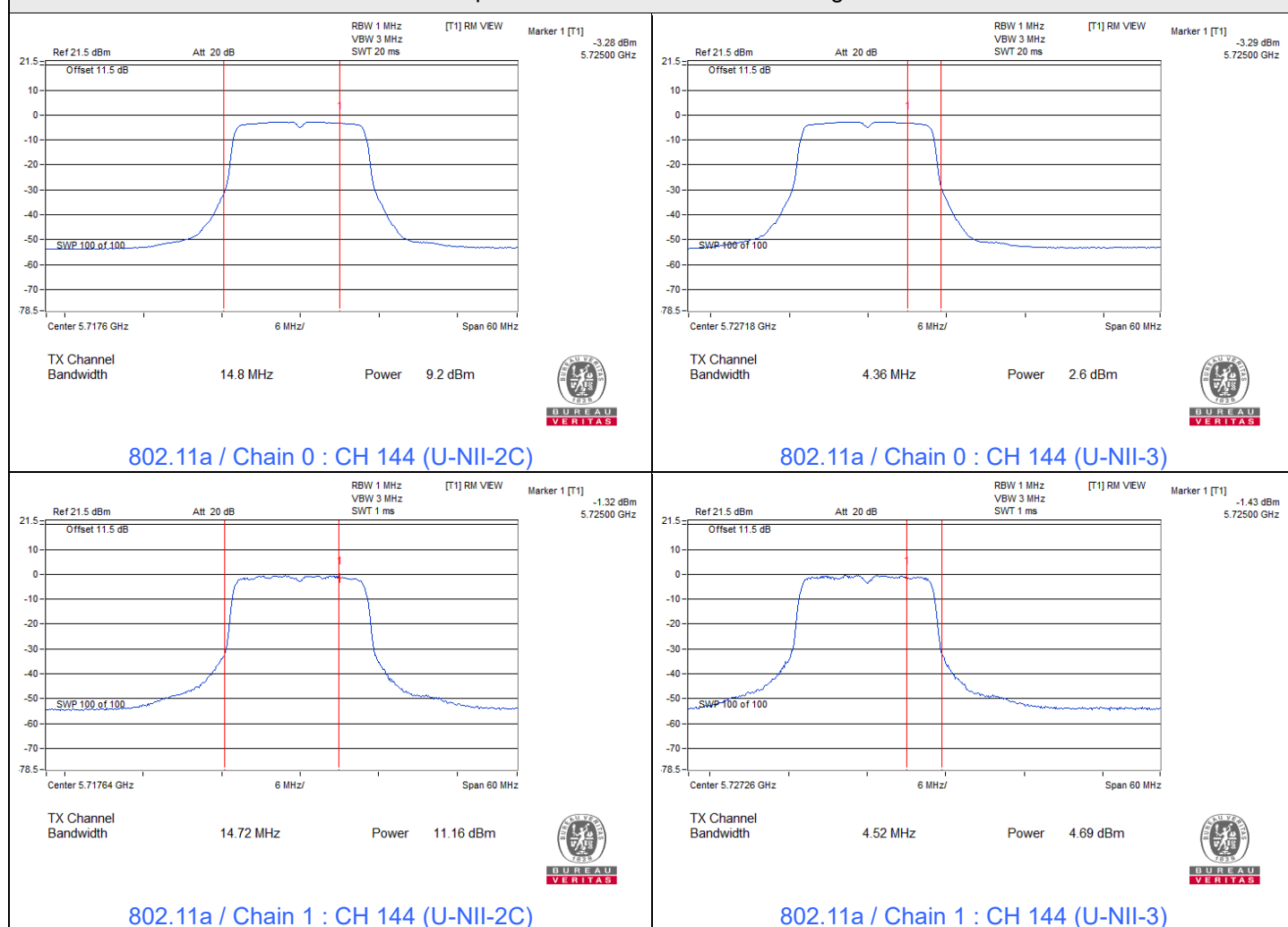
802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	9.13	9.36	16.814	12.26	24	Pass
*50 (U-NII-2A)	5250	8.98	9.60	17.027	12.31	24	Pass
114	5570	10.79	12.92	31.583	14.99	24	Pass

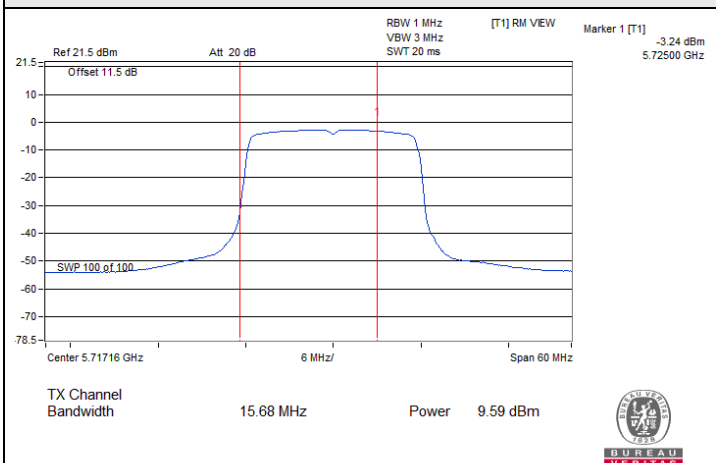
Notes:

- * : 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 4.2 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.91 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.66 dBi < 6 dBi, so the output power limit shall not be reduced.

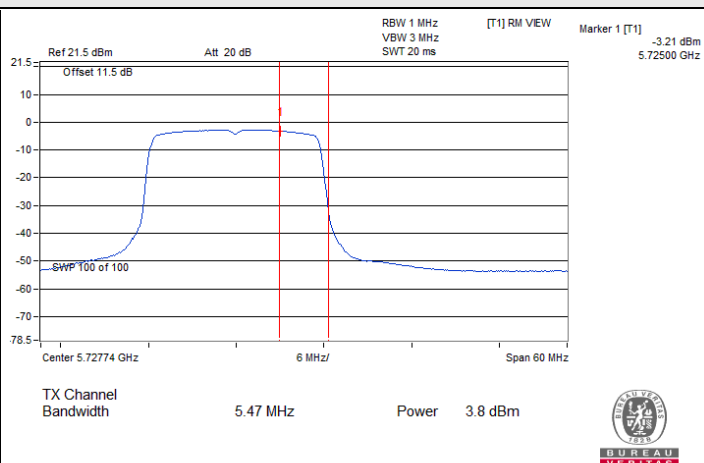
Spectrum Plot for channel straddling



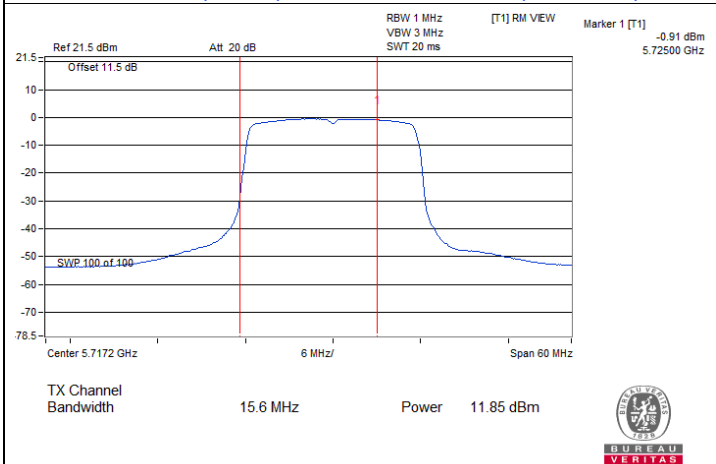
Spectrum Plot for channel straddling



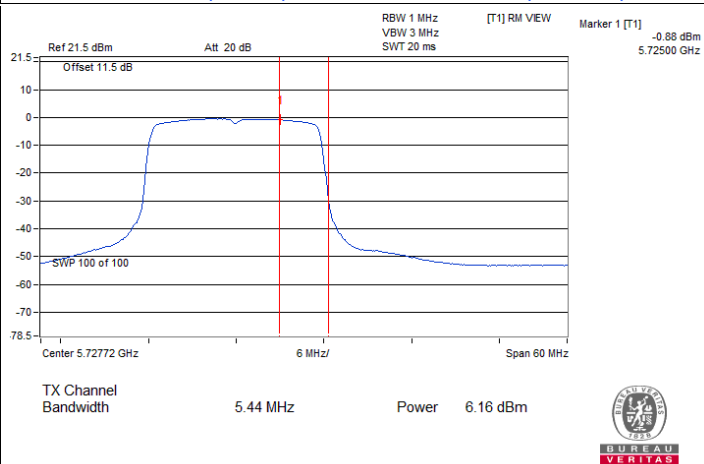
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)



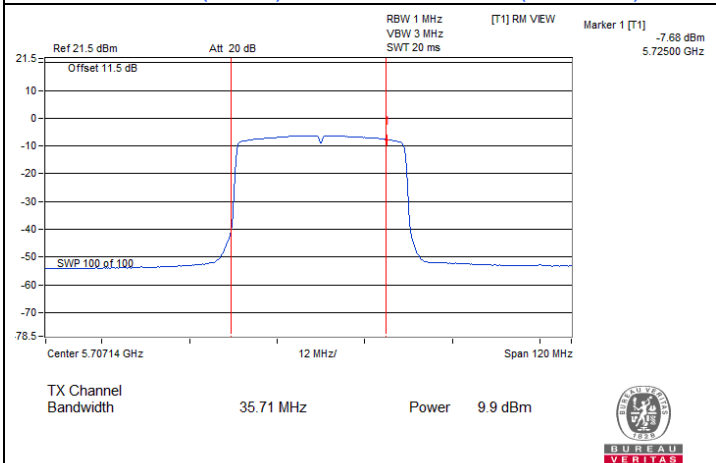
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)



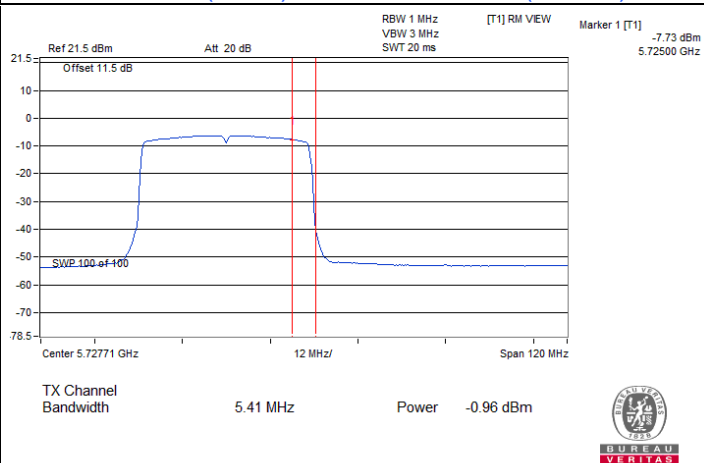
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)



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

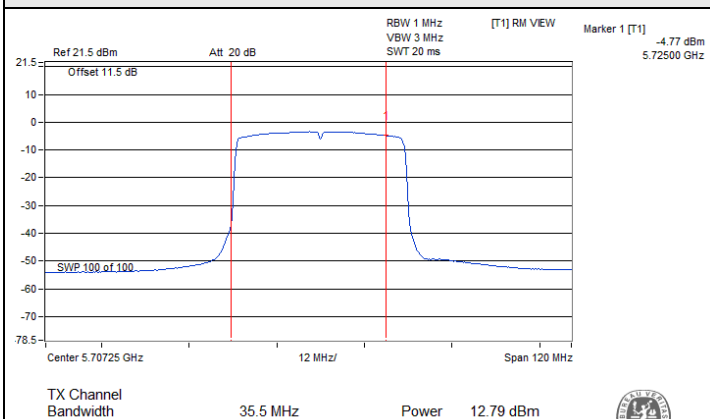


802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)

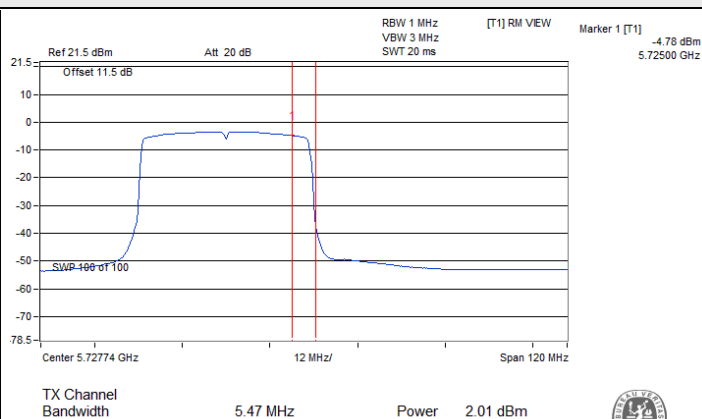


802.11ax (HE40) / Chain 0 : CH 142 (U-NII-3)

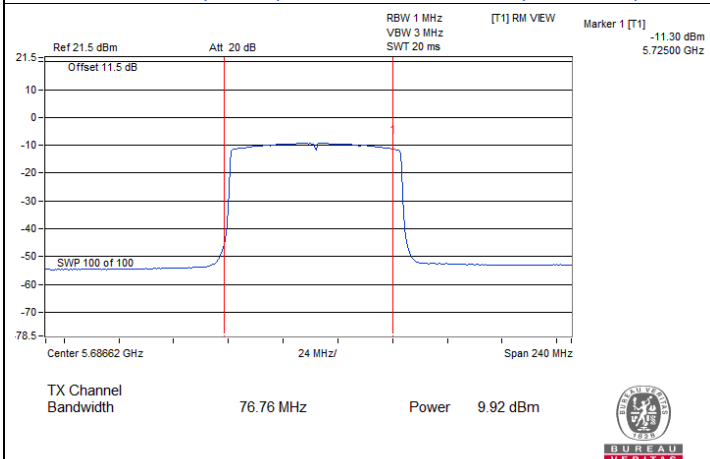
Spectrum Plot for channel straddling



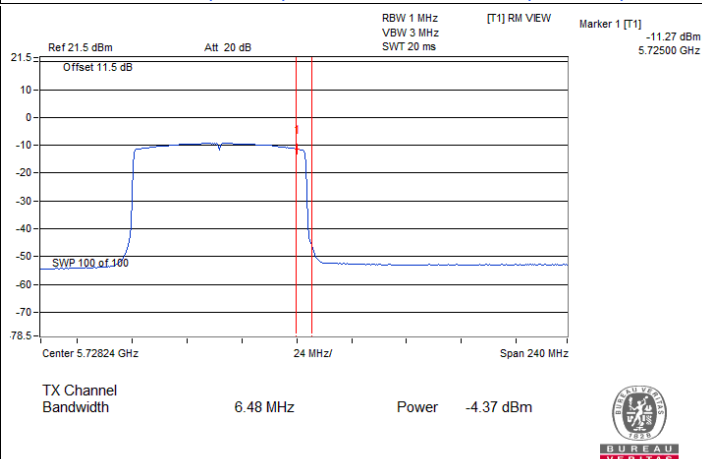
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)



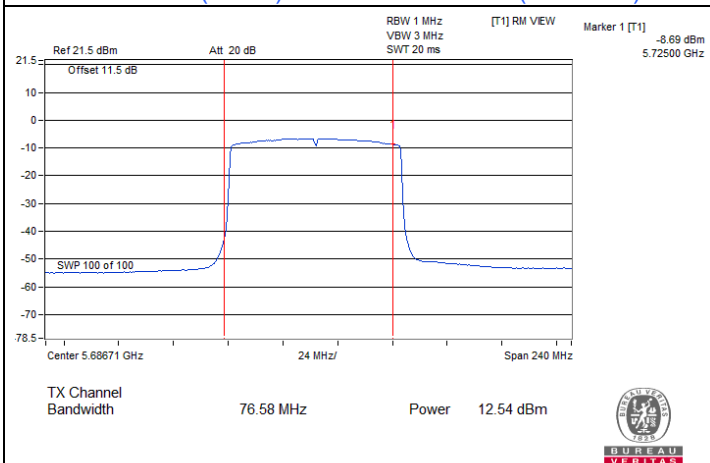
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)



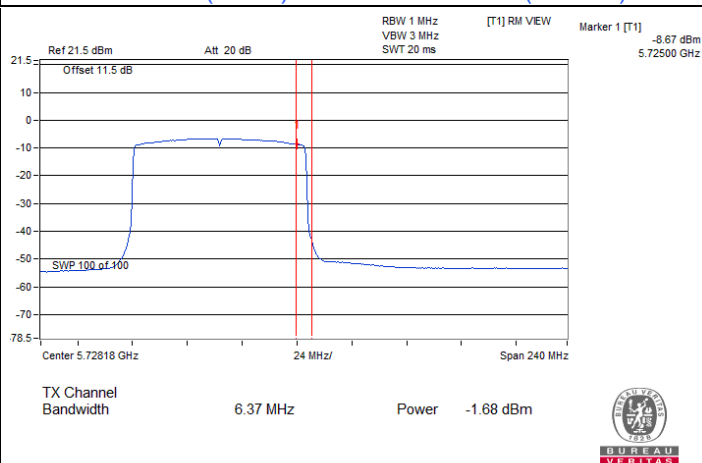
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)



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

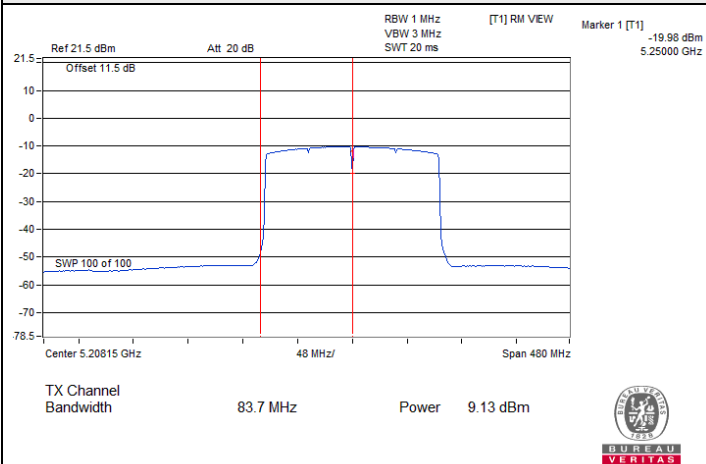


802.11ax (HE80) / Chain 1 : CH 138 (U-NII-2C)

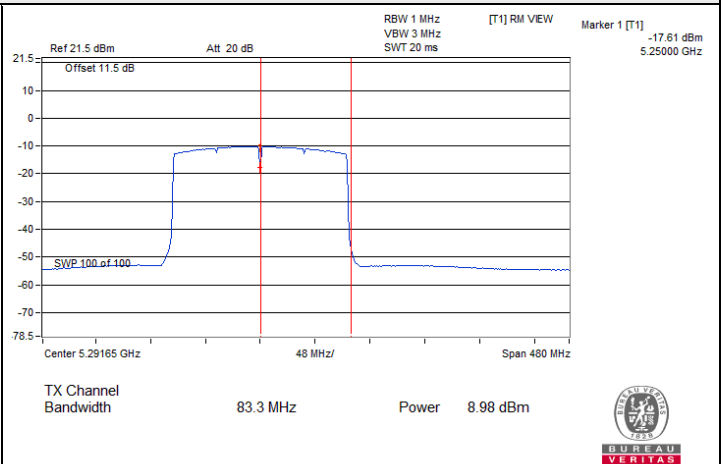


802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)

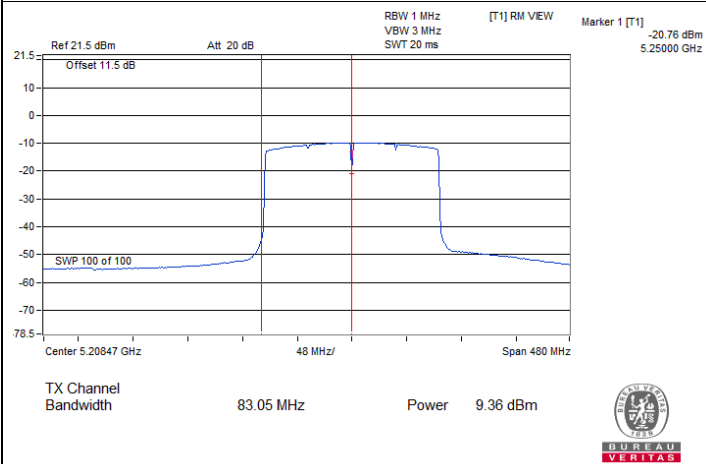
Spectrum Plot for channel straddling



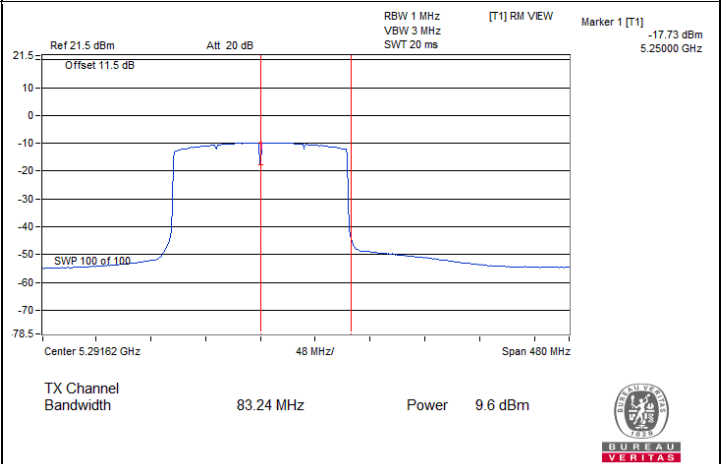
802.11ax (HE160) / Chain 0 : CH 50 (U-NII-1)



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



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



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

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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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	-2.86	-2.83	0.17	10.19	Pass
40	5200	-2.91	-1.96	0.60	10.19	Pass
48	5240	-2.38	-2.17	0.74	10.19	Pass
52	5260	-2.37	-2.11	0.77	10.34	Pass
60	5300	-2.81	-1.78	0.75	10.34	Pass
64	5320	-2.82	-1.68	0.80	10.34	Pass
100	5500	-2.54	-1.68	0.92	10.39	Pass
116	5580	-3.87	-1.83	0.28	10.39	Pass
140	5700	-4.21	-1.50	0.36	10.39	Pass
144 (U-NII-2C)	5720	-4.31	-1.66	0.22	10.39	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 6.81 dBi > 6dBi, so the power density limit shall be reduced to $11-(6.81-6) = 10.19$ dBm/MHz.
4. For U-NII-2A, the directional gain is 6.66 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.66-6) = 10.34$ dBm/MHz.
5. For U-NII-2C, the directional gain is 6.61 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.61-6) = 10.39$ dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-3.11	-2.55	0.19	10.19	Pass
40	5200	-3.20	-2.56	0.14	10.19	Pass
48	5240	-2.76	-2.83	0.22	10.19	Pass
52	5260	-2.77	-2.73	0.26	10.34	Pass
60	5300	-3.29	-2.33	0.23	10.34	Pass
64	5320	-3.33	-2.15	0.31	10.34	Pass
100	5500	-3.07	-1.95	0.54	10.39	Pass
116	5580	-3.04	-1.62	0.74	10.39	Pass
140	5700	-3.93	-1.83	0.26	10.39	Pass
144 (U-NII-2C)	5720	-4.00	-2.01	0.12	10.39	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 6.81 dBi > 6dBi, so the power density limit shall be reduced to $11-(6.81-6) = 10.19$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.66 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.66-6) = 10.34$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.61 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.61-6) = 10.39$ dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-6.40	-5.42	-2.87	10.19	Pass
46	5230	-6.45	-5.45	-2.91	10.19	Pass
54	5270	-5.97	-5.57	-2.76	10.34	Pass
62	5310	-6.34	-5.15	-2.69	10.34	Pass
102	5510	-7.93	-4.88	-3.13	10.39	Pass
110	5550	-8.01	-4.55	-2.93	10.39	Pass
134	5670	-8.25	-4.57	-3.02	10.39	Pass
142 (U-NII-2C)	5710	-7.88	-4.83	-3.08	10.39	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 6.81 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.81-6) = 10.19 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.66 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.66-6) = 10.34 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.61 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.61-6) = 10.39 dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-9.42	-8.39	-5.86	10.19	Pass
58	5290	-8.98	-8.43	-5.69	10.34	Pass
106	5530	-10.41	-7.41	-5.65	10.39	Pass
122	5610	-10.63	-7.69	-5.91	10.39	Pass
138 (U-NII-2C)	5690	-10.87	-7.59	-5.92	10.39	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 6.81 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.81-6) = 10.19 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.66 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.66-6) = 10.34 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.61 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.61-6) = 10.39 dBm/MHz.

802.11ax (HE160)

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	-11.84	-11.37	-8.59	10.19	Pass
50 (U-NII-2A)	5250	-11.84	-11.37	-8.59	10.34	Pass
114	5570	-13.63	-10.84	-9.00	10.39	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 6.81 dBi > 6dBi, so the power density limit shall be reduced to $11-(6.81-6) = 10.19$ dBm/MHz.
- For U-NII-2A, the directional gain is 6.66 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.66-6) = 10.34$ dBm/MHz.
- For U-NII-2C, the directional gain is 6.61 dBi > 6 dBi, so the power density limit shall be reduced to $11-(6.61-6) = 10.39$ dBm/MHz.

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	144 (U-NII-3)	5720	-13.16	-10.94	3.01	-7.93	29.85	Pass
	149	5745	-12.97	-10.75	3.01	-7.74	29.85	Pass
	157	5785	-13.45	-11.23	3.01	-8.22	29.85	Pass
	165	5825	-13.01	-10.79	3.01	-7.78	29.85	Pass
Chain 1	144 (U-NII-3)	5720	-10.72	-8.5	3.01	-5.49	29.85	Pass
	149	5745	-11.96	-9.74	3.01	-6.73	29.85	Pass
	157	5785	-11.67	-9.45	3.01	-6.44	29.85	Pass
	165	5825	-11.57	-9.35	3.01	-6.34	29.85	Pass

Notes:

- Method E) 2) c) Measure and add 10 log(NANT) dB 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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30-(6.15-6) = 29.85$ dBm/500kHz.

802.11ax (HE20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	144 (U-NII-3)	5720	-13.55	-11.33	3.01	-8.32	29.85	Pass
	149	5745	-14.87	-12.65	3.01	-9.64	29.85	Pass
	157	5785	-15.3	-13.08	3.01	-10.07	29.85	Pass
	165	5825	-15.17	-12.95	3.01	-9.94	29.85	Pass
Chain 1	144 (U-NII-3)	5720	-11.64	-9.42	3.01	-6.41	29.85	Pass
	149	5745	-12.59	-10.37	3.01	-7.36	29.85	Pass
	157	5785	-12.8	-10.58	3.01	-7.57	29.85	Pass
	165	5825	-13.02	-10.8	3.01	-7.79	29.85	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB 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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.15 - 6) = 29.85$ dBm/500kHz.

802.11ax (HE40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	142 (U-NII-3)	5710	-18.47	-16.25	3.01	-13.24	29.85	Pass
	151	5755	-18.03	-15.81	3.01	-12.8	29.85	Pass
	159	5795	-17.98	-15.76	3.01	-12.75	29.85	Pass
Chain 1	142 (U-NII-3)	5710	-15.43	-13.21	3.01	-10.2	29.85	Pass
	151	5755	-15.61	-13.39	3.01	-10.38	29.85	Pass
	159	5795	-15.81	-13.59	3.01	-10.58	29.85	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB 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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.15 - 6) = 29.85$ dBm/500kHz.

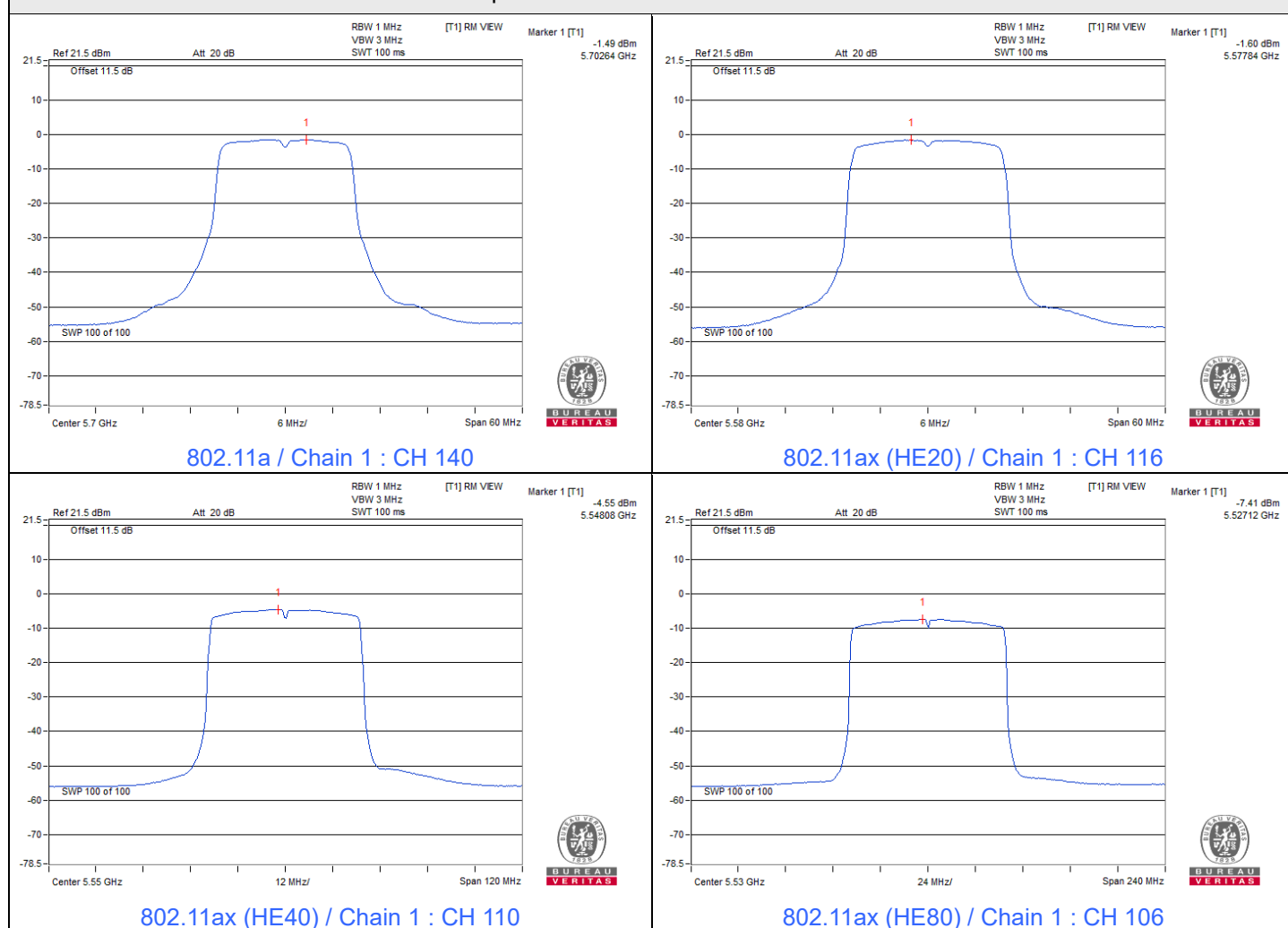
802.11ax (HE80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	138 (U-NII-3)	5690	-21.91	-19.69	3.01	-16.68	29.85	Pass
	155	5775	-21.26	-19.04	3.01	-16.03	29.85	Pass
Chain 1	138 (U-NII-3)	5690	-18.85	-16.63	3.01	-13.62	29.85	Pass
	155	5775	-19.25	-17.03	3.01	-14.02	29.85	Pass

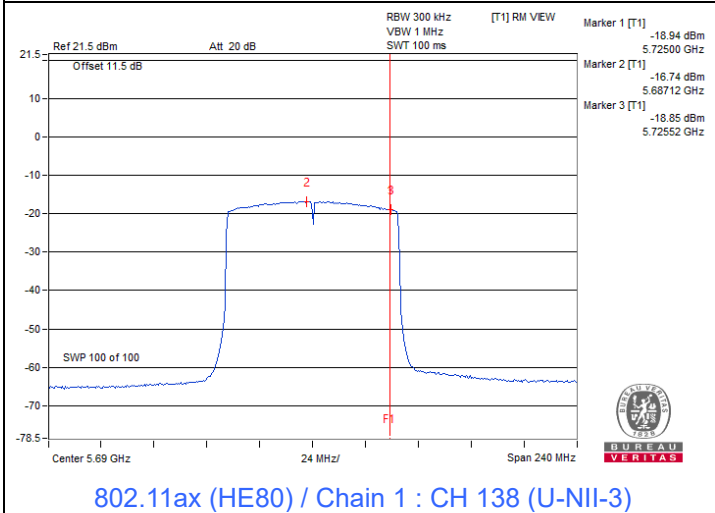
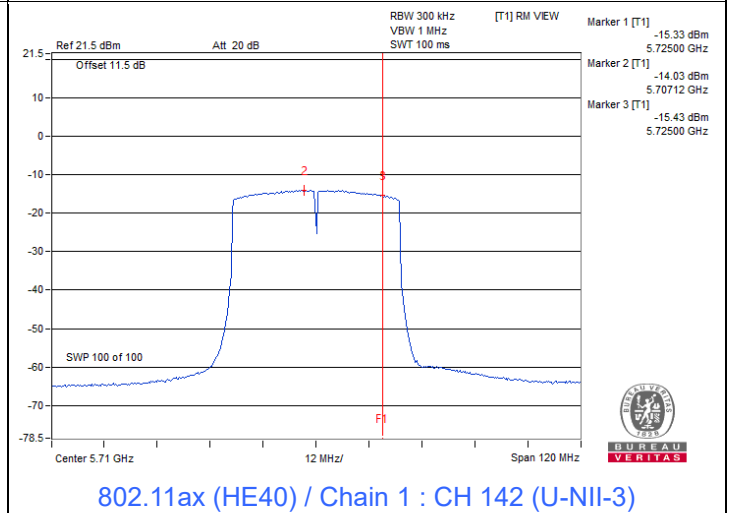
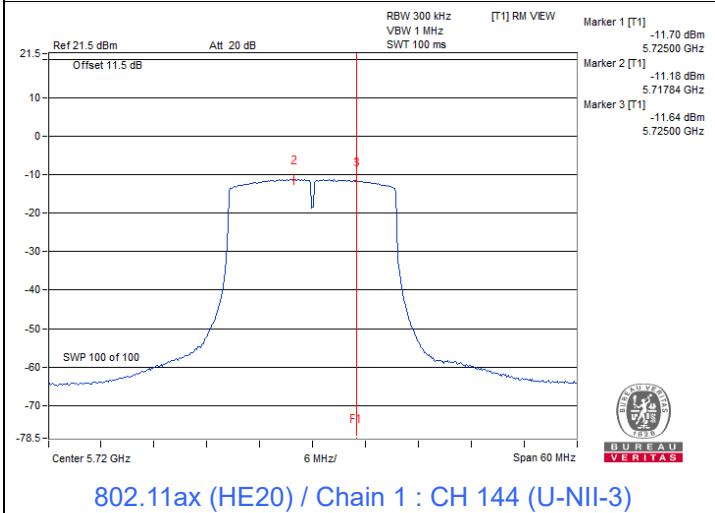
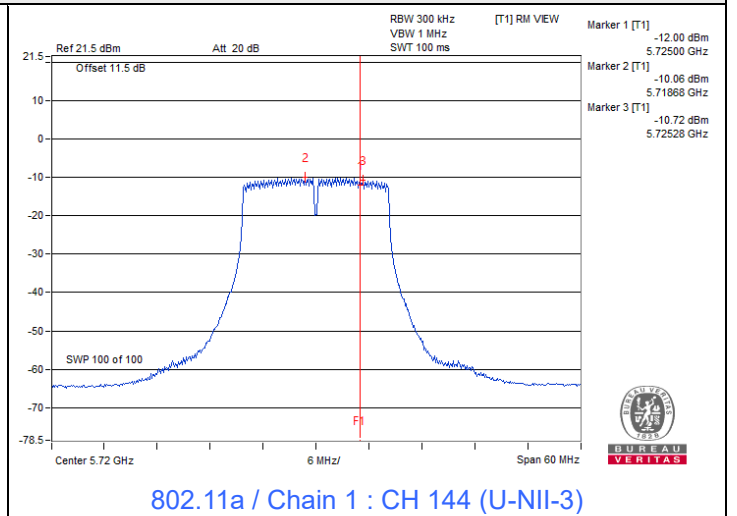
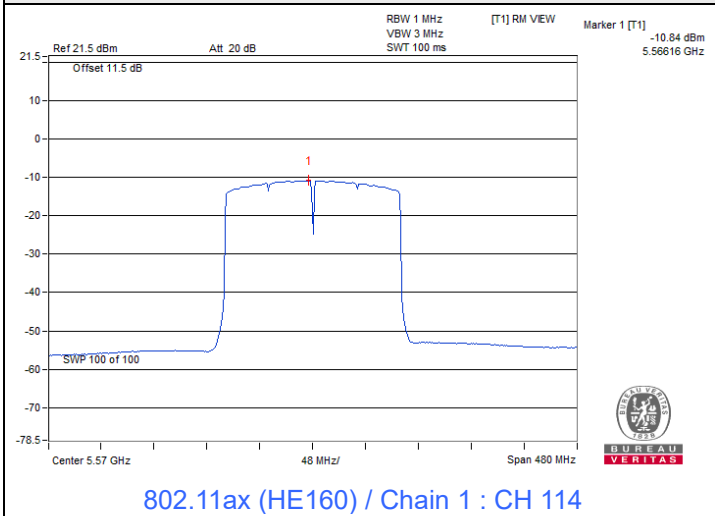
Notes:

- Method E) 2) c) Measure and add 10 log(NANT) dB 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 6.15 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (6.15 - 6) = 29.85 \text{ dBm/500kHz}$.

Spectrum Plot of Maximum Value



Spectrum Plot of Maximum Value



7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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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	3.11	3.12	0.5	Pass
149	5745	16.33	16.37	0.5	Pass
157	5785	16.34	16.38	0.5	Pass
165	5825	16.32	16.37	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.19	4.23	0.5	Pass
149	5745	18.64	18.65	0.5	Pass
157	5785	18.66	18.66	0.5	Pass
165	5825	18.74	18.76	0.5	Pass

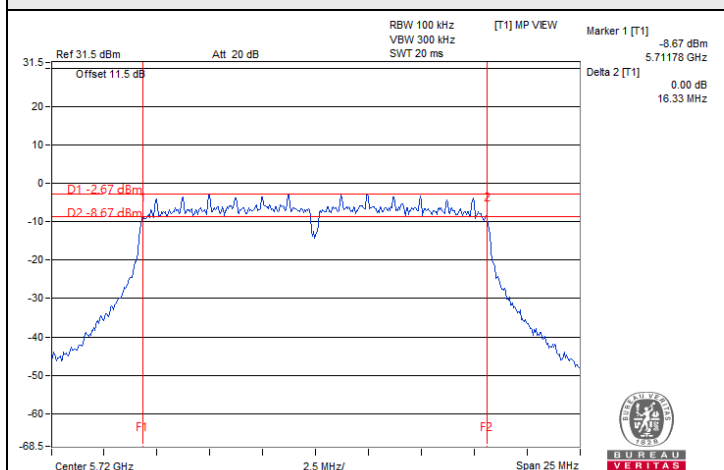
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	3.65	3.71	0.5	Pass
151	5755	37.93	37.32	0.5	Pass
159	5795	37.23	37.29	0.5	Pass

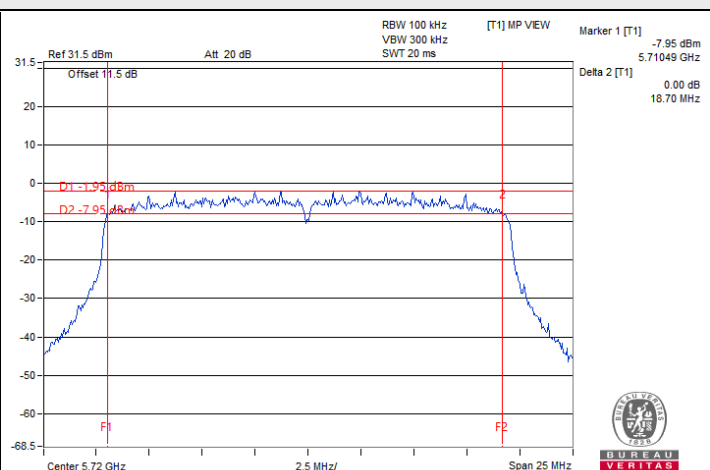
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.64	3.55	0.5	Pass
155	5775	77.77	76.55	0.5	Pass

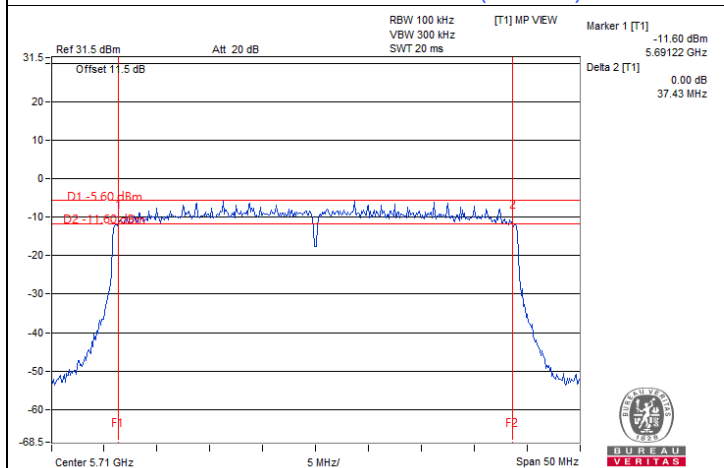
Spectrum Plot of Minimum Value



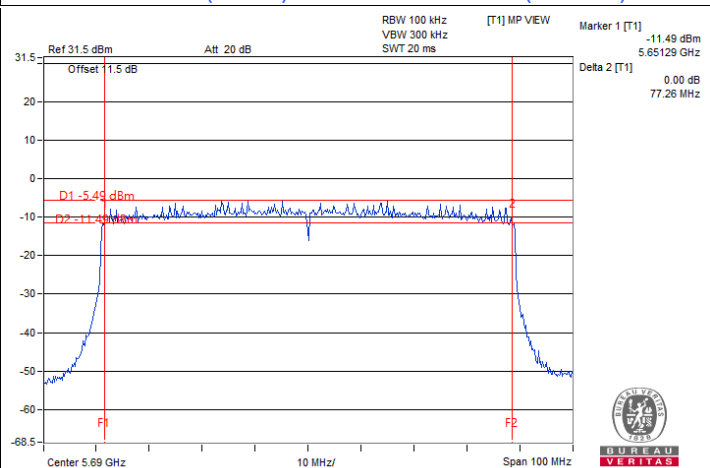
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



802.11ax (HE80) / 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:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.44
40	5200	16.44	16.44
48	5240	16.44	16.44
52	5260	16.44	16.44
60	5300	16.32	16.44
64	5320	16.32	16.44
100	5500	16.32	16.44
116	5580	16.44	16.44
140	5700	16.32	16.44
144 (U-NII-2C)	5720	13.28	13.28
144 (U-NII-3)	5720	3.04	3.16
149	5745	16.44	16.44
157	5785	16.44	16.44
165	5825	16.32	16.44

802.11ax (HE20)

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

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.16	37.92
46	5230	37.68	37.68
54	5270	37.92	37.92
62	5310	37.92	37.68
102	5510	37.68	37.92
110	5550	37.92	37.68
134	5670	37.92	37.92
142 (U-NII-2C)	5710	34.20	33.96
142 (U-NII-3)	5710	3.72	3.96
151	5755	37.92	37.92
159	5795	38.16	37.92

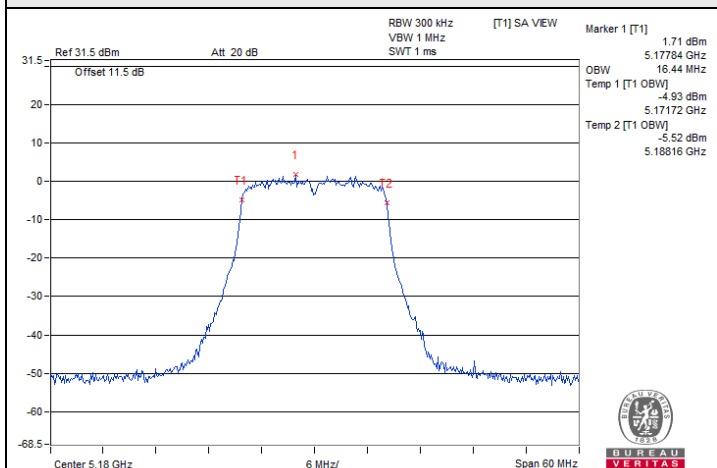
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.28
58	5290	77.28	77.28
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	3.40	3.40
155	5775	77.28	77.28

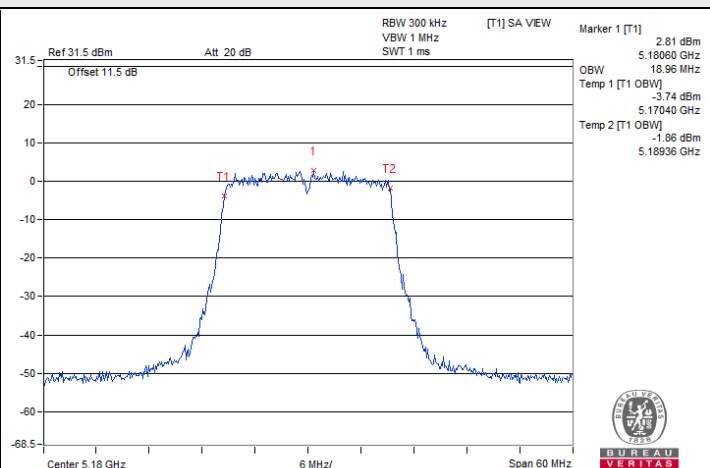
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	78.72
50 (U-NII-2A)	5250	77.76	77.76
114	5570	156.48	157.44

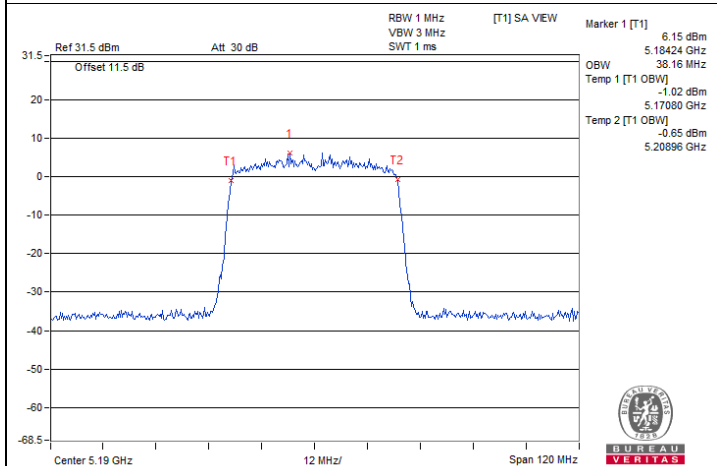
Spectrum Plot of Maximum Value



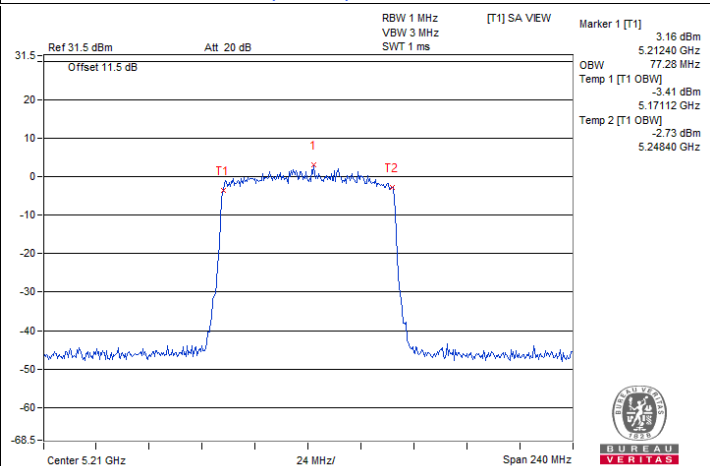
802.11a / Chain 0 : CH 36



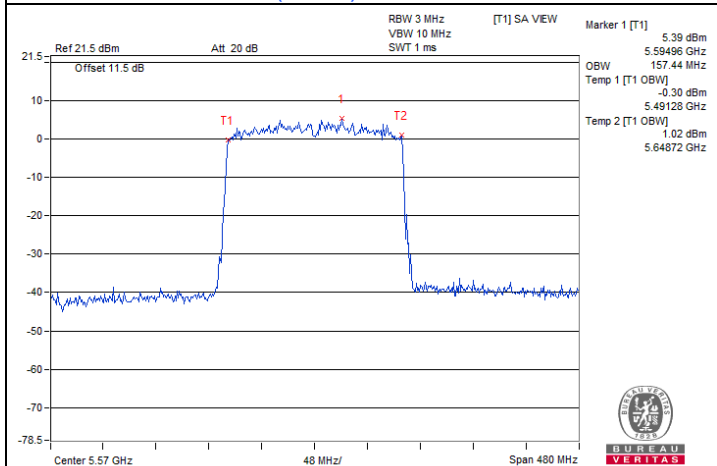
802.11ax (HE20) / Chain 0 : CH 36



802.11ax (HE40) / Chain 0 : CH 38

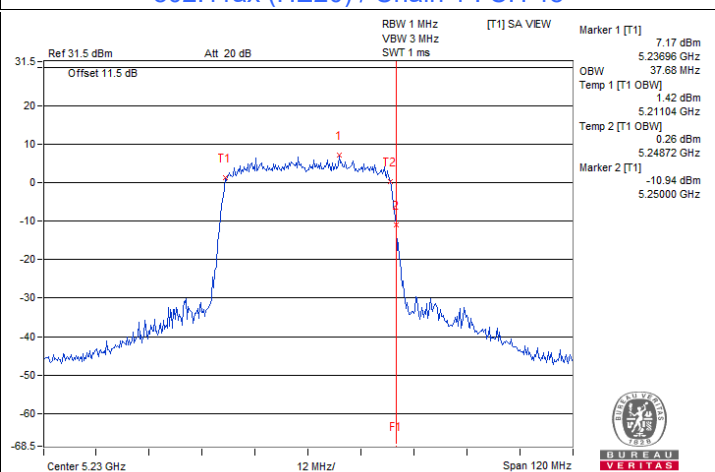
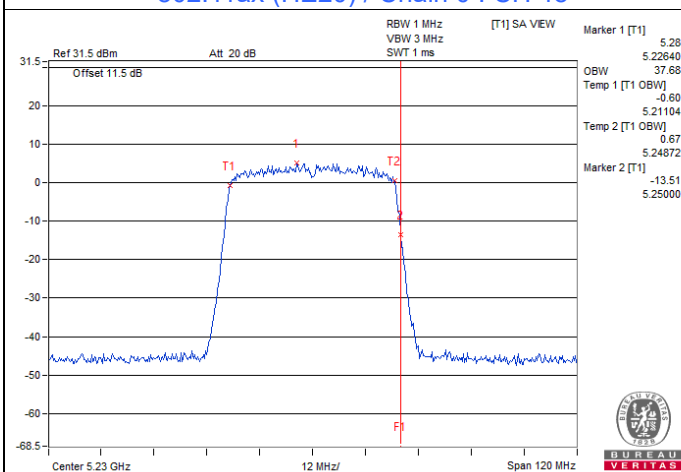
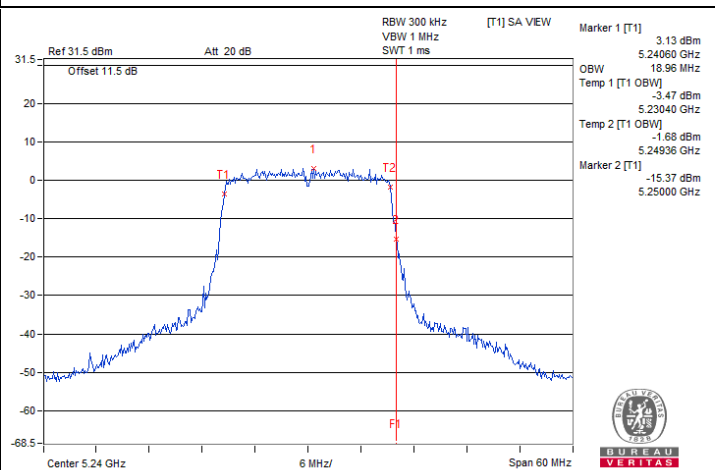
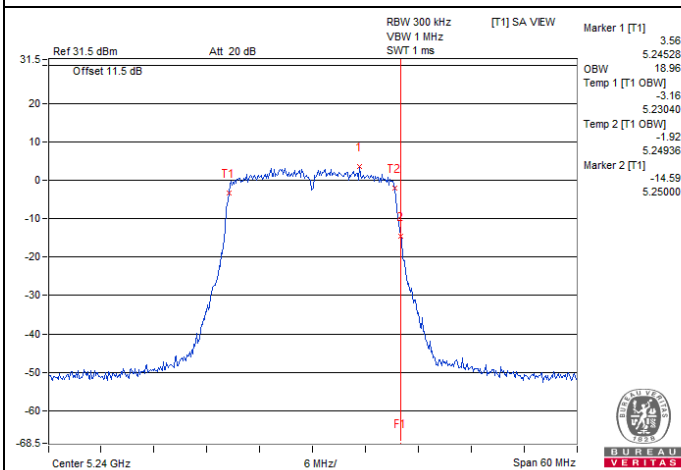
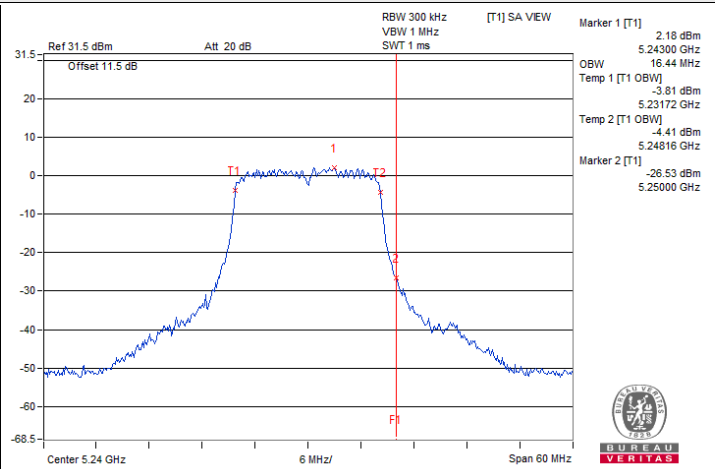
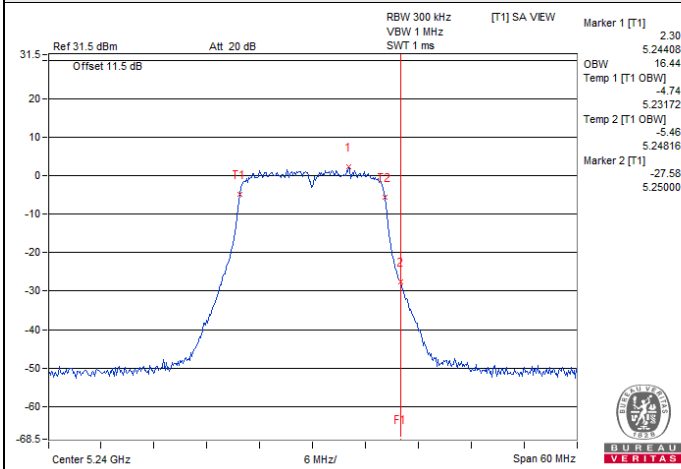


802.11ax (HE80) / Chain 0 : CH 42

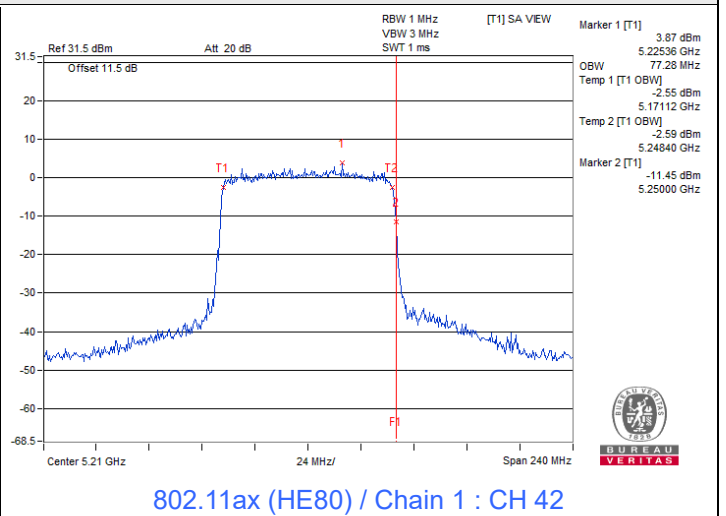
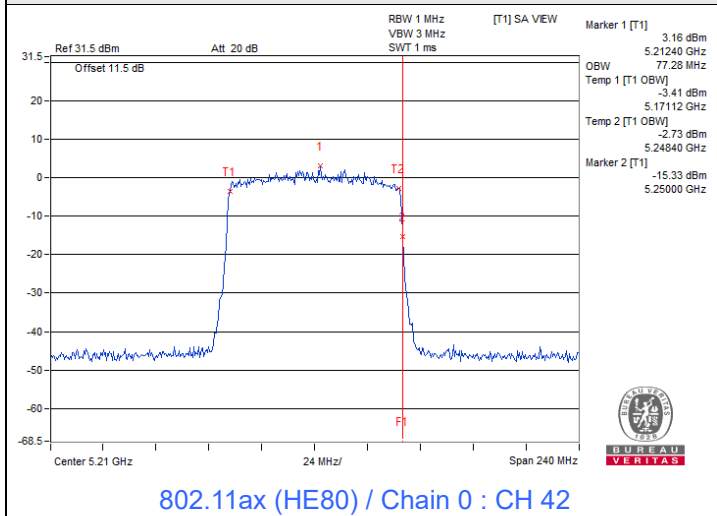


802.11ax (HE160) / Chain 1 : CH 114

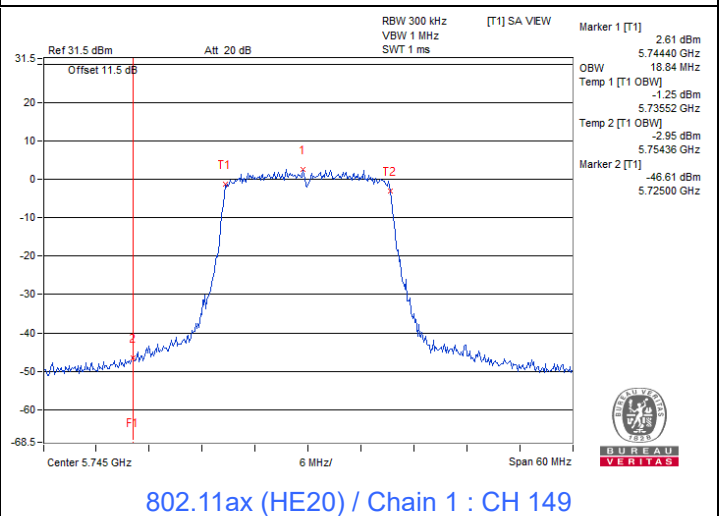
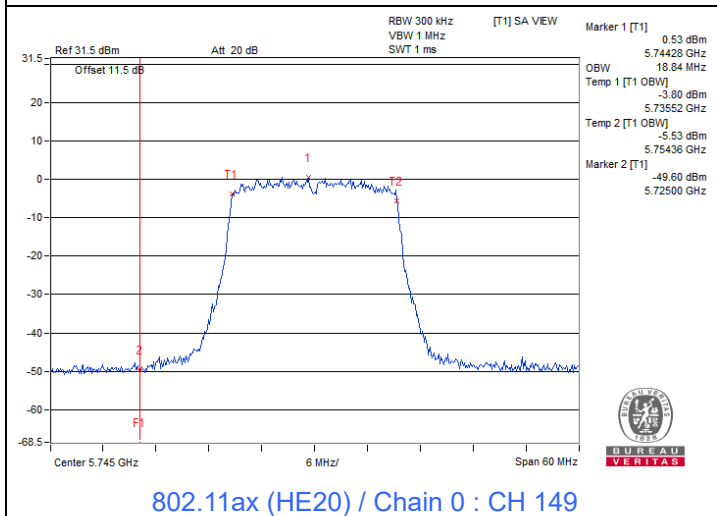
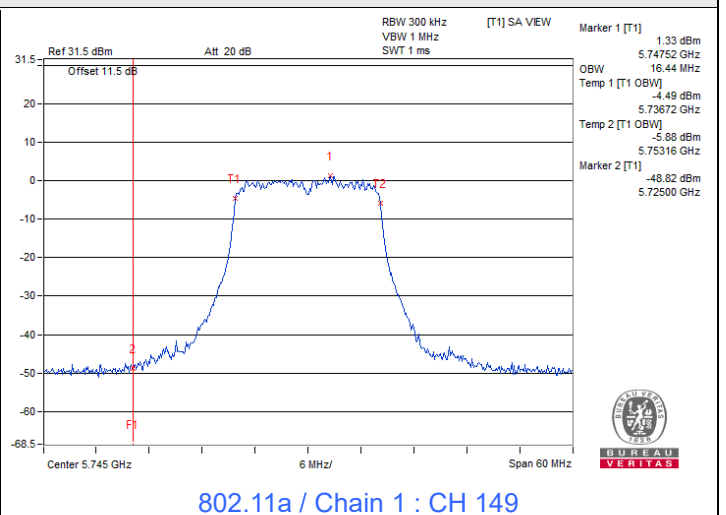
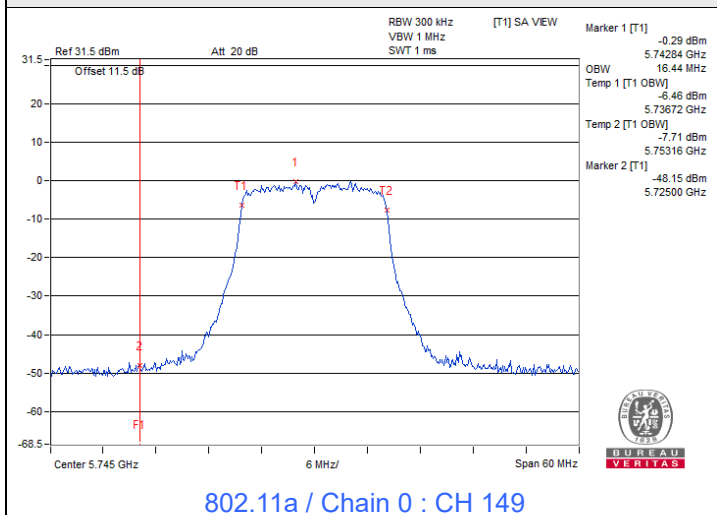
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



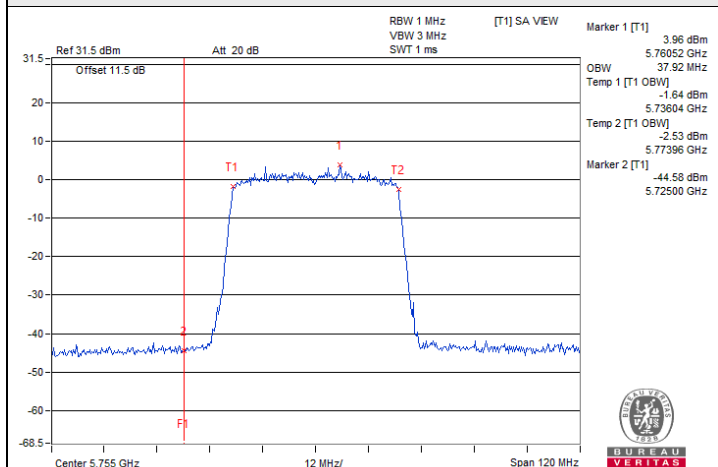
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



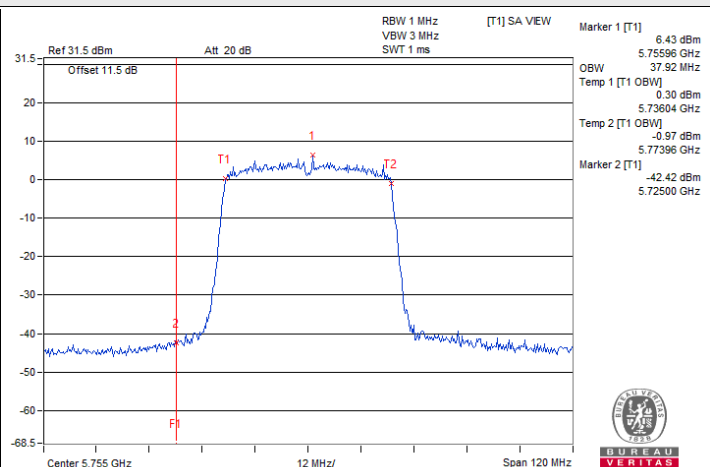
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2C)



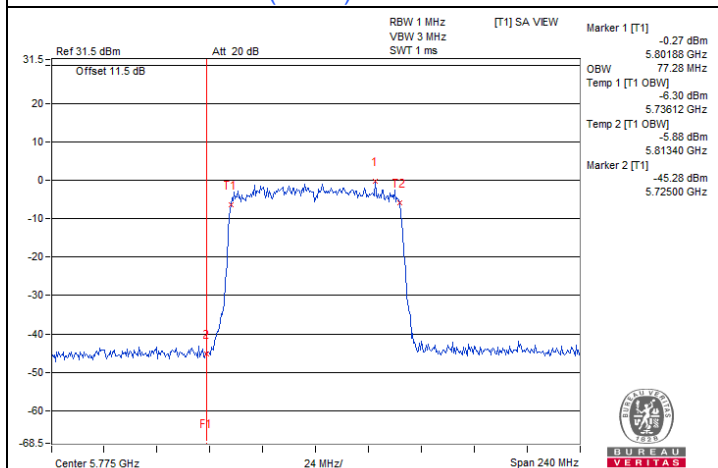
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



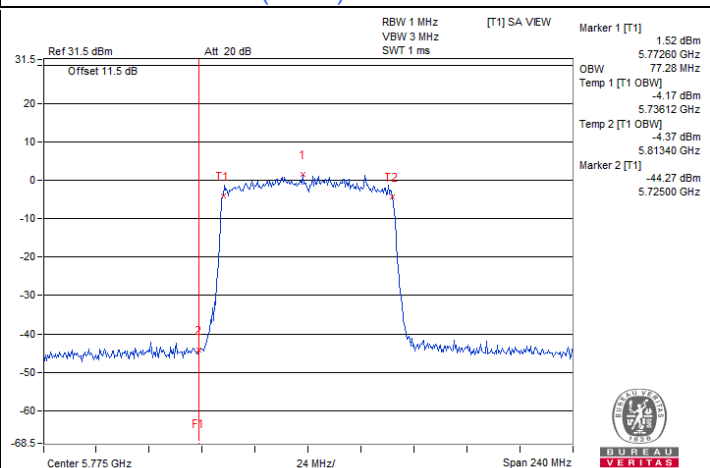
802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE40) / Chain 1 : CH 151



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

7.6 AC Power Conducted Emissions

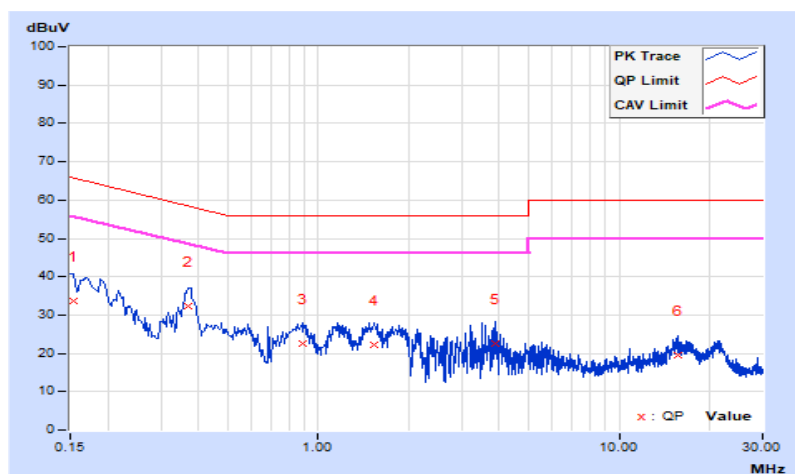
Mode A

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Dalen Dei		

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	0.15391	10.03	23.58	5.85	33.61	15.88	65.79	55.79	-32.18	-39.91
2	0.36902	10.12	22.14	12.16	32.26	22.28	58.52	48.52	-26.26	-26.24
3	0.88328	10.19	12.22	3.46	22.41	13.65	56.00	46.00	-33.59	-32.35
4	1.54033	10.24	11.94	2.71	22.18	12.95	56.00	46.00	-33.82	-33.05
5	3.88510	10.36	12.14	3.21	22.50	13.57	56.00	46.00	-33.50	-32.43
6	15.63401	10.68	8.94	2.04	19.62	12.72	60.00	50.00	-40.38	-37.28

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

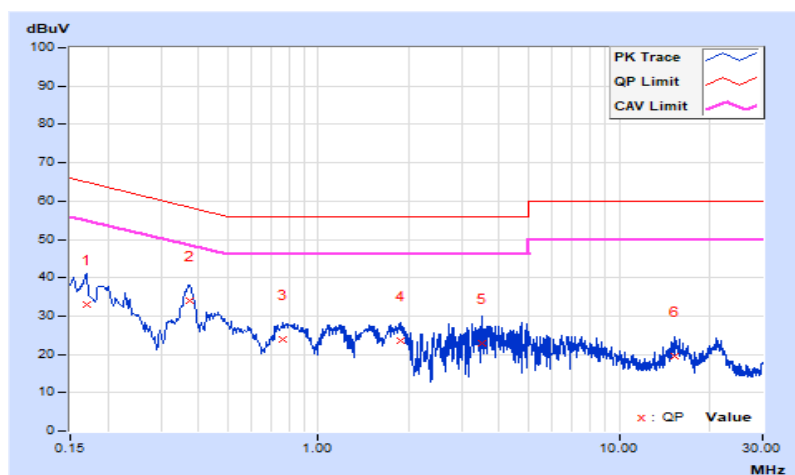


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Dalen Dei		

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	0.16956	10.04	22.96	8.58	33.00	18.62	64.98	54.98	-31.98	-36.36
2	0.37293	10.05	23.93	14.04	33.98	24.09	58.44	48.44	-24.46	-24.35
3	0.76591	10.07	13.84	4.21	23.91	14.28	56.00	46.00	-32.09	-31.72
4	1.86885	10.13	13.30	4.20	23.43	14.33	56.00	46.00	-32.57	-31.67
5	3.51747	10.22	12.52	3.42	22.74	13.64	56.00	46.00	-33.26	-32.36
6	15.35633	10.55	8.98	2.02	19.53	12.57	60.00	50.00	-40.47	-37.43

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



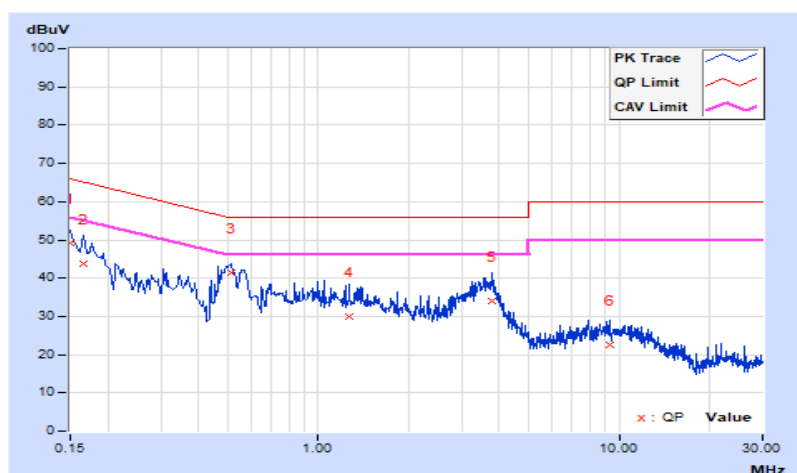
Mode B

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Dalen Dei		

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	0.15000	10.03	39.05	24.50	49.08	34.53	66.00	56.00	-16.92	-21.47
2	0.16564	10.04	33.79	12.13	43.83	22.17	65.18	55.18	-21.35	-33.01
3	0.51179	10.14	31.27	23.74	41.41	33.88	56.00	46.00	-14.59	-12.12
4	1.27026	10.23	19.90	13.44	30.13	23.67	56.00	46.00	-25.87	-22.33
5	3.79306	10.36	23.51	12.43	33.87	22.79	56.00	46.00	-22.13	-23.21
6	9.35435	10.57	11.96	5.95	22.53	16.52	60.00	50.00	-37.47	-33.48

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

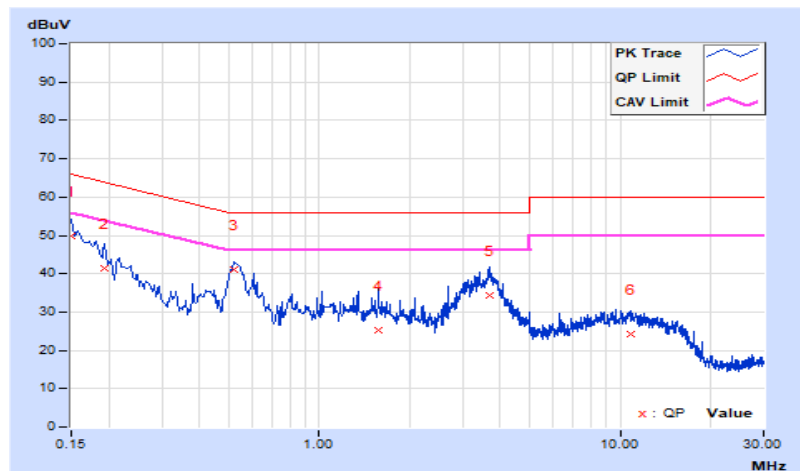


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Dalen Dei		

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	0.15000	10.04	39.78	24.97	49.82	35.01	66.00	56.00	-16.18	-20.99
2	0.19302	10.04	31.21	16.40	41.25	26.44	63.91	53.91	-22.66	-27.47
3	0.51955	10.06	30.87	24.38	40.93	34.44	56.00	46.00	-15.07	-11.56
4	1.57553	10.12	15.08	7.60	25.20	17.72	56.00	46.00	-30.80	-28.28
5	3.69529	10.22	24.27	12.21	34.49	22.43	56.00	46.00	-21.51	-23.57
6	10.84303	10.52	13.88	8.37	24.40	18.89	60.00	50.00	-35.60	-31.11

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



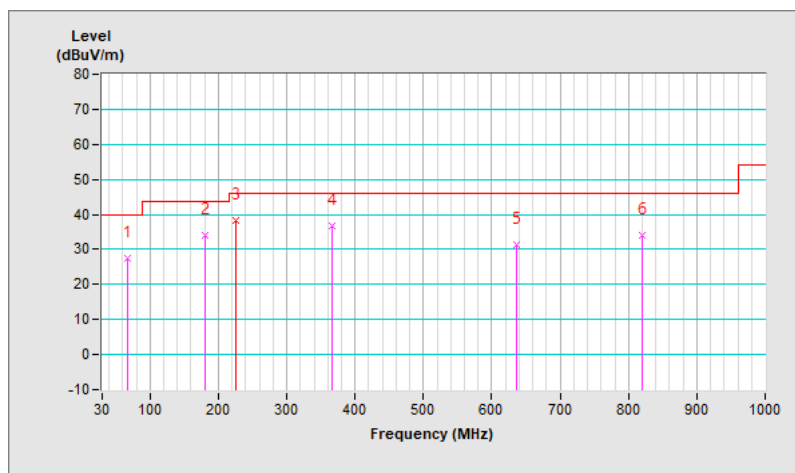
7.7 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 72 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	66.86	27.4 QP	40.0	-12.6	1.54 H	86	37.0	-9.6
2	181.32	33.9 QP	43.5	-9.6	1.77 H	196	42.9	-9.0
3	226.04	38.3 QP	46.0	-7.7	1.51 H	348	48.2	-9.9
4	365.62	36.8 QP	46.0	-9.2	1.94 H	245	40.8	-4.0
5	635.28	31.4 QP	46.0	-14.6	1.26 H	183	29.0	2.4
6	819.58	34.1 QP	46.0	-11.9	1.67 H	9	28.4	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.

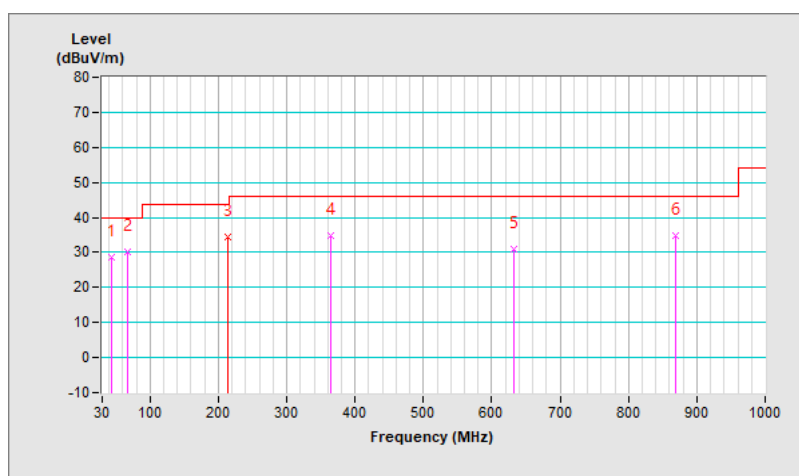


RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 72 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	28.7 QP	40.0	-11.3	1.30 V	171	37.7	-9.0
2	66.86	30.1 QP	40.0	-9.9	1.57 V	74	39.7	-9.6
3	213.32	34.6 QP	43.5	-8.9	1.77 V	324	44.5	-9.9
4	363.68	34.9 QP	46.0	-11.1	1.92 V	34	39.0	-4.1
5	631.40	31.1 QP	46.0	-14.9	1.53 V	234	28.9	2.2
6	868.08	34.9 QP	46.0	-11.1	1.67 V	275	28.4	6.5

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 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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	2.78 H	35	51.4	7.8
2	5150.00	46.9 AV	54.0	-7.1	2.78 H	35	39.1	7.8
3	*5180.00	107.8 PK			2.78 H	35	99.8	8.0
4	*5180.00	98.5 AV			2.78 H	35	90.5	8.0
5	#6906.70	56.3 PK	68.2	-11.9	1.11 H	345	45.1	11.2
6	#10360.00	56.5 PK	68.2	-11.7	1.74 H	231	39.9	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	1.04 V	66	50.8	7.8
2	5150.00	46.5 AV	54.0	-7.5	1.04 V	66	38.7	7.8
3	*5180.00	106.5 PK			1.04 V	66	98.5	8.0
4	*5180.00	97.3 AV			1.04 V	66	89.3	8.0
5	#6906.70	53.6 PK	68.2	-14.6	1.15 V	4	42.4	11.2
6	#10360.00	55.0 PK	68.2	-13.2	1.24 V	355	38.4	16.6

Remarks:

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

RF Mode	802.11a	Channel	CH 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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.9 PK			2.77 H	38	99.8	8.1
2	*5200.00	98.6 AV			2.77 H	38	90.5	8.1
3	#6933.30	55.3 PK	68.2	-12.9	1.12 H	343	44.0	11.3
4	#10400.00	56.5 PK	68.2	-11.7	1.72 H	228	39.8	16.7
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	*5200.00	106.7 PK			1.07 V	68	98.6	8.1
2	*5200.00	97.8 AV			1.07 V	68	89.7	8.1
3	#6933.30	53.8 PK	68.2	-14.4	1.12 V	9	42.5	11.3
4	#10400.00	55.2 PK	68.2	-13.0	1.26 V	351	38.5	16.7

Remarks:

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

RF Mode	802.11a	Channel	CH 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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	107.2 PK			2.81 H	33	98.7	8.5
2	*5240.00	97.9 AV			2.81 H	33	89.4	8.5
3	5350.00	59.4 PK	74.0	-14.6	2.81 H	33	50.4	9.0
4	5350.00	47.7 AV	54.0	-6.3	2.81 H	33	38.7	9.0
5	#6986.70	54.8 PK	68.2	-13.4	1.12 H	344	43.4	11.4
6	#10480.00	56.1 PK	68.2	-12.1	1.77 H	227	39.7	16.4
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	*5240.00	105.9 PK			1.02 V	64	97.4	8.5
2	*5240.00	96.8 AV			1.02 V	64	88.3	8.5
3	5350.00	58.9 PK	74.0	-15.1	1.02 V	64	49.9	9.0
4	5350.00	47.3 AV	54.0	-6.7	1.02 V	64	38.3	9.0
5	#6986.70	52.3 PK	68.2	-15.9	1.17 V	6	40.9	11.4
6	#10480.00	54.6 PK	68.2	-13.6	1.22 V	349	38.2	16.4

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 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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	2.75 H	37	51.5	7.8
2	5150.00	47.9 AV	54.0	-6.1	2.75 H	37	40.1	7.8
3	*5260.00	107.6 PK			2.75 H	37	98.8	8.8
4	*5260.00	99.0 AV			2.75 H	37	90.2	8.8
5	#7013.30	54.5 PK	68.2	-13.7	1.28 H	25	43.0	11.5
6	#10520.00	56.3 PK	68.2	-11.9	1.78 H	230	39.8	16.5
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	59.1 PK	74.0	-14.9	1.06 V	67	51.3	7.8
2	5150.00	47.8 AV	54.0	-6.2	1.06 V	67	40.0	7.8
3	*5260.00	105.8 PK			1.06 V	67	97.0	8.8
4	*5260.00	97.1 AV			1.06 V	67	88.3	8.8
5	#7013.30	52.9 PK	68.2	-15.3	1.13 V	4	41.4	11.5
6	#10520.00	55.3 PK	68.2	-12.9	1.27 V	350	38.8	16.5

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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	107.5 PK			2.79 H	34	98.5	9.0
2	*5300.00	98.9 AV			2.79 H	34	89.9	9.0
3	#7066.70	55.5 PK	68.2	-12.7	1.11 H	342	43.9	11.6
4	10600.00	56.0 PK	74.0	-18.0	1.68 H	227	39.7	16.3
5	10600.00	44.1 AV	54.0	-9.9	1.68 H	227	27.8	16.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	106.2 PK			1.05 V	65	97.2	9.0
2	*5300.00	97.6 AV			1.05 V	65	88.6	9.0
3	#7066.70	53.8 PK	68.2	-14.4	1.12 V	6	42.2	11.6
4	10600.00	54.8 PK	74.0	-19.2	1.26 V	351	38.5	16.3
5	10600.00	42.8 AV	54.0	-11.2	1.26 V	351	26.5	16.3

Remarks:

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

RF Mode	802.11a	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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.7 PK			2.68 H	35	97.7	9.0
2	*5320.00	98.3 AV			2.68 H	35	89.3	9.0
3	5350.00	59.1 PK	74.0	-14.9	2.68 H	35	50.1	9.0
4	5350.00	47.3 AV	54.0	-6.7	2.68 H	35	38.3	9.0
5	#7093.30	55.2 PK	68.2	-13.0	1.09 H	343	43.3	11.9
6	10640.00	56.0 PK	74.0	-18.0	1.71 H	232	39.6	16.4
7	10640.00	44.0 AV	54.0	-10.0	1.71 H	232	27.6	16.4
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	105.1 PK			1.05 V	68	96.1	9.0
2	*5320.00	96.8 AV			1.05 V	68	87.8	9.0
3	5350.00	58.7 PK	74.0	-15.3	1.05 V	68	49.7	9.0
4	5350.00	46.9 AV	54.0	-7.1	1.05 V	68	37.9	9.0
5	#7093.30	53.8 PK	68.2	-14.4	1.16 V	3	41.9	11.9
6	10640.00	54.8 PK	74.0	-19.2	1.22 V	353	38.4	16.4
7	10640.00	43.0 AV	54.0	-11.0	1.22 V	353	26.6	16.4

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 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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.3 PK	74.0	-14.7	3.06 H	38	50.2	9.1
2	5460.00	47.2 AV	54.0	-6.8	3.06 H	38	38.1	9.1
3	#5470.00	58.9 PK	68.2	-9.3	3.06 H	38	49.6	9.3
4	*5500.00	103.7 PK			3.06 H	38	94.3	9.4
5	*5500.00	95.5 AV			3.06 H	38	86.1	9.4
6	7333.30	52.3 PK	74.0	-21.7	1.28 H	327	38.8	13.5
7	7333.30	40.4 AV	54.0	-13.6	1.28 H	327	26.9	13.5
8	11000.00	56.5 PK	74.0	-17.5	1.69 H	233	39.5	17.0
9	11000.00	44.6 AV	54.0	-9.4	1.69 H	233	27.6	17.0

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	5460.00	59.1 PK	74.0	-14.9	1.02 V	69	50.0	9.1
2	5460.00	46.9 AV	54.0	-7.1	1.02 V	69	37.8	9.1
3	#5470.00	58.7 PK	68.2	-9.5	1.02 V	69	49.4	9.3
4	*5500.00	102.3 PK			1.02 V	69	92.9	9.4
5	*5500.00	94.2 AV			1.02 V	69	84.8	9.4
6	7333.30	52.1 PK	74.0	-21.9	1.14 V	6	38.6	13.5
7	7333.30	40.2 AV	54.0	-13.8	1.14 V	6	26.7	13.5
8	11000.00	55.3 PK	74.0	-18.7	1.23 V	348	38.3	17.0
9	11000.00	43.4 AV	54.0	-10.6	1.23 V	348	26.4	17.0

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 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	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	103.5 PK			3.03 H	36	94.1	9.4
2	*5580.00	95.3 AV			3.03 H	36	85.9	9.4
3	7440.00	52.5 PK	74.0	-21.5	1.31 H	330	39.1	13.4
4	7440.00	40.6 AV	54.0	-13.4	1.31 H	330	27.2	13.4
5	11160.00	57.2 PK	74.0	-16.8	1.66 H	226	39.8	17.4
6	11160.00	45.1 AV	54.0	-8.9	1.66 H	226	27.7	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	102.4 PK			1.04 V	66	93.0	9.4
2	*5580.00	94.1 AV			1.04 V	66	84.7	9.4
3	7440.00	52.2 PK	74.0	-21.8	1.13 V	5	38.8	13.4
4	7440.00	40.1 AV	54.0	-13.9	1.13 V	5	26.7	13.4
5	11160.00	56.0 PK	74.0	-18.0	1.24 V	354	38.6	17.4
6	11160.00	44.1 AV	54.0	-9.9	1.24 V	354	26.7	17.4

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 76 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.6 PK			3.01 H	33	95.7	8.9
2	*5700.00	95.4 AV			3.01 H	33	86.5	8.9
3	#5725.00	59.1 PK	68.2	-9.1	3.01 H	33	50.1	9.0
4	7600.00	52.5 PK	74.0	-21.5	1.23 H	334	39.8	12.7
5	7600.00	40.7 AV	54.0	-13.3	1.23 H	334	28.0	12.7
6	11400.00	57.2 PK	74.0	-16.8	1.70 H	231	39.7	17.5
7	11400.00	45.0 AV	54.0	-9.0	1.70 H	231	27.5	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	102.9 PK			1.02 V	67	94.0	8.9
2	*5700.00	93.6 AV			1.02 V	67	84.7	8.9
3	#5725.00	58.9 PK	68.2	-9.3	1.02 V	67	49.9	9.0
4	7600.00	52.2 PK	74.0	-21.8	1.17 V	7	39.5	12.7
5	7600.00	40.3 AV	54.0	-13.7	1.17 V	7	27.6	12.7
6	11400.00	55.8 PK	74.0	-18.2	1.25 V	355	38.3	17.5
7	11400.00	43.7 AV	54.0	-10.3	1.25 V	355	26.2	17.5

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.8 PK	68.2	-9.4	2.74 H	347	49.5	9.3
2	*5720.00	104.7 PK			2.74 H	347	95.7	9.0
3	*5720.00	95.5 AV			2.74 H	347	86.5	9.0
4	7626.70	52.5 PK	74.0	-21.5	1.22 H	327	39.7	12.8
5	7626.70	40.3 AV	54.0	-13.7	1.22 H	327	27.5	12.8
6	11440.00	56.5 PK	74.0	-17.5	1.67 H	225	39.1	17.4
7	11440.00	44.6 AV	54.0	-9.4	1.67 H	225	27.2	17.4
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	#5470.00	58.5 PK	68.2	-9.7	1.06 V	66	49.2	9.3
2	*5720.00	103.1 PK			1.06 V	66	94.1	9.0
3	*5720.00	93.7 AV			1.06 V	66	84.7	9.0
4	7626.70	52.1 PK	74.0	-21.9	1.11 V	8	39.3	12.8
5	7626.70	40.1 AV	54.0	-13.9	1.11 V	8	27.3	12.8
6	11440.00	55.4 PK	74.0	-18.6	1.33 V	345	38.0	17.4
7	11440.00	43.5 AV	54.0	-10.5	1.33 V	345	26.1	17.4

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 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5596.55	58.2 PK	68.2	-10.0	1.80 H	352	48.8	9.4
2	*5745.00	104.3 PK			1.80 H	352	95.4	8.9
3	*5745.00	95.4 AV			1.80 H	352	86.5	8.9
4	#5970.85	59.4 PK	68.2	-8.8	1.80 H	352	50.4	9.0
5	7660.00	52.4 PK	74.0	-21.6	1.26 H	327	39.5	12.9
6	7660.00	40.5 AV	54.0	-13.5	1.26 H	327	27.6	12.9
7	11490.00	56.7 PK	74.0	-17.3	1.69 H	229	39.3	17.4
8	11490.00	44.8 AV	54.0	-9.2	1.69 H	229	27.4	17.4
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	#5562.35	59.0 PK	68.2	-9.2	1.06 V	68	49.6	9.4
2	*5745.00	102.1 PK			1.06 V	68	93.2	8.9
3	*5745.00	93.1 AV			1.06 V	68	84.2	8.9
4	#6020.25	58.8 PK	68.2	-9.4	1.06 V	68	49.6	9.2
5	7660.00	52.1 PK	74.0	-21.9	1.14 V	4	39.2	12.9
6	7660.00	40.3 AV	54.0	-13.7	1.14 V	4	27.4	12.9
7	11490.00	55.5 PK	74.0	-18.5	1.21 V	350	38.1	17.4
8	11490.00	43.4 AV	54.0	-10.6	1.21 V	350	26.0	17.4

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 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5564.73	57.5 PK	68.2	-10.7	1.79 H	351	48.1	9.4
2	*5785.00	103.1 PK			1.79 H	351	94.1	9.0
3	*5785.00	94.0 AV			1.79 H	351	85.0	9.0
4	#6005.05	56.3 PK	68.2	-11.9	1.79 H	351	47.1	9.2
5	7713.30	52.4 PK	74.0	-21.6	1.28 H	323	39.6	12.8
6	7713.30	40.4 AV	54.0	-13.6	1.28 H	323	27.6	12.8
7	11570.00	56.7 PK	74.0	-17.3	1.74 H	225	39.2	17.5
8	11570.00	44.4 AV	54.0	-9.6	1.74 H	225	26.9	17.5
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	#5604.63	59.1 PK	68.2	-9.1	1.05 V	66	49.7	9.4
2	*5785.00	101.7 PK			1.05 V	66	92.7	9.0
3	*5785.00	92.9 AV			1.05 V	66	83.9	9.0
4	#5961.35	58.3 PK	68.2	-9.9	1.05 V	66	49.2	9.1
5	7713.30	52.2 PK	74.0	-21.8	1.16 V	8	39.4	12.8
6	7713.30	40.4 AV	54.0	-13.6	1.16 V	8	27.6	12.8
7	11570.00	55.5 PK	74.0	-18.5	1.23 V	347	38.0	17.5
8	11570.00	43.3 AV	54.0	-10.7	1.23 V	347	25.8	17.5

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 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5563.30	60.6 PK	68.2	-7.6	1.82 H	351	51.2	9.4
2	*5825.00	103.4 PK			1.82 H	351	94.3	9.1
3	*5825.00	94.3 AV			1.82 H	351	85.2	9.1
4	#5985.10	60.6 PK	68.2	-7.6	1.82 H	351	51.6	9.0
5	#7766.70	52.4 PK	68.2	-15.8	1.27 H	321	39.7	12.7
6	11650.00	55.7 PK	74.0	-18.3	1.72 H	230	37.9	17.8
7	11650.00	44.6 AV	54.0	-9.4	1.72 H	230	26.8	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5559.98	59.3 PK	68.2	-8.9	1.04 V	69	49.9	9.4
2	*5825.00	101.8 PK			1.04 V	69	92.7	9.1
3	*5825.00	92.7 AV			1.04 V	69	83.6	9.1
4	#5981.30	58.9 PK	68.2	-9.3	1.04 V	69	49.9	9.0
5	#7766.70	52.2 PK	68.2	-16.0	1.13 V	5	39.5	12.7
6	11650.00	55.7 PK	74.0	-18.3	1.28 V	348	37.9	17.8
7	11650.00	43.5 AV	54.0	-10.5	1.28 V	348	25.7	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.1 PK	74.0	-14.9	2.77 H	33	51.3	7.8
2	5150.00	47.2 AV	54.0	-6.8	2.77 H	33	39.4	7.8
3	*5180.00	109.4 PK			2.77 H	33	101.4	8.0
4	*5180.00	98.1 AV			2.77 H	33	90.1	8.0
5	#6906.70	55.9 PK	68.2	-12.3	1.12 H	344	44.7	11.2
6	#10360.00	56.4 PK	68.2	-11.8	1.74 H	231	39.8	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	1.05 V	65	50.9	7.8
2	5150.00	46.6 AV	54.0	-7.4	1.05 V	65	38.8	7.8
3	*5180.00	108.1 PK			1.05 V	65	100.1	8.0
4	*5180.00	96.7 AV			1.05 V	65	88.7	8.0
5	#6906.70	53.3 PK	68.2	-14.9	1.18 V	6	42.1	11.2
6	#10360.00	55.0 PK	68.2	-13.2	1.24 V	350	38.4	16.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	109.2 PK			2.78 H	31	101.1	8.1
2	*5200.00	97.9 AV			2.78 H	31	89.8	8.1
3	#6933.30	55.3 PK	68.2	-12.9	1.11 H	344	44.0	11.3
4	#10400.00	56.3 PK	68.2	-11.9	1.69 H	228	39.6	16.7
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	*5200.00	107.8 PK			1.06 V	64	99.7	8.1
2	*5200.00	96.6 AV			1.06 V	64	88.5	8.1
3	#6933.30	53.6 PK	68.2	-14.6	1.10 V	7	42.3	11.3
4	#10400.00	55.0 PK	68.2	-13.2	1.26 V	353	38.3	16.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	109.5 PK			2.76 H	34	101.0	8.5
2	*5240.00	97.7 AV			2.76 H	34	89.2	8.5
3	5350.00	59.6 PK	74.0	-14.4	2.76 H	34	50.6	9.0
4	5350.00	47.8 AV	54.0	-6.2	2.76 H	34	38.8	9.0
5	#6986.70	54.9 PK	68.2	-13.3	1.11 H	342	43.5	11.4
6	#10480.00	56.2 PK	68.2	-12.0	1.68 H	230	39.8	16.4
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	*5240.00	108.1 PK			1.05 V	66	99.6	8.5
2	*5240.00	96.9 AV			1.05 V	66	88.4	8.5
3	5350.00	58.8 PK	74.0	-15.2	1.05 V	66	49.8	9.0
4	5350.00	47.3 AV	54.0	-6.7	1.05 V	66	38.3	9.0
5	#6986.70	52.4 PK	68.2	-15.8	1.15 V	4	41.0	11.4
6	#10480.00	54.9 PK	68.2	-13.3	1.23 V	350	38.5	16.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	2.75 H	31	51.5	7.8
2	5150.00	47.8 AV	54.0	-6.2	2.75 H	31	40.0	7.8
3	*5260.00	109.2 PK			2.75 H	31	100.4	8.8
4	*5260.00	97.6 AV			2.75 H	31	88.8	8.8
5	#7013.30	54.4 PK	68.2	-13.8	1.29 H	22	42.9	11.5
6	#10520.00	56.1 PK	68.2	-12.1	1.66 H	230	39.6	16.5
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	59.0 PK	74.0	-15.0	1.05 V	66	51.2	7.8
2	5150.00	47.6 AV	54.0	-6.4	1.05 V	66	39.8	7.8
3	*5260.00	107.7 PK			1.05 V	66	98.9	8.8
4	*5260.00	96.4 AV			1.05 V	66	87.6	8.8
5	#7013.30	52.8 PK	68.2	-15.4	1.16 V	7	41.3	11.5
6	#10520.00	54.8 PK	68.2	-13.4	1.22 V	348	38.3	16.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.5 PK			2.76 H	34	100.5	9.0
2	*5300.00	98.5 AV			2.76 H	34	89.5	9.0
3	#7066.70	55.7 PK	68.2	-12.5	1.10 H	340	44.1	11.6
4	10600.00	55.8 PK	74.0	-18.2	1.69 H	233	39.5	16.3
5	10600.00	43.7 AV	54.0	-10.3	1.69 H	233	27.4	16.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.0 PK			1.04 V	64	99.0	9.0
2	*5300.00	96.9 AV			1.04 V	64	87.9	9.0
3	#7066.70	53.6 PK	68.2	-14.6	1.17 V	8	42.0	11.6
4	10600.00	54.5 PK	74.0	-19.5	1.24 V	347	38.2	16.3
5	10600.00	42.6 AV	54.0	-11.4	1.24 V	347	26.3	16.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.2 PK			2.77 H	33	100.2	9.0
2	*5320.00	97.6 AV			2.77 H	33	88.6	9.0
3	5350.00	59.1 PK	74.0	-14.9	2.77 H	33	50.1	9.0
4	5350.00	47.3 AV	54.0	-6.7	2.77 H	33	38.3	9.0
5	#7093.30	55.1 PK	68.2	-13.1	1.12 H	344	43.2	11.9
6	10640.00	55.5 PK	74.0	-18.5	1.71 H	226	39.1	16.4
7	10640.00	43.7 AV	54.0	-10.3	1.71 H	226	27.3	16.4
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	107.6 PK			1.04 V	67	98.6	9.0
2	*5320.00	96.2 AV			1.04 V	67	87.2	9.0
3	5350.00	58.7 PK	74.0	-15.3	1.04 V	67	49.7	9.0
4	5350.00	47.1 AV	54.0	-6.9	1.04 V	67	38.1	9.0
5	#7093.30	53.6 PK	68.2	-14.6	1.18 V	4	41.7	11.9
6	10640.00	54.5 PK	74.0	-19.5	1.29 V	346	38.1	16.4
7	10640.00	42.6 AV	54.0	-11.4	1.29 V	346	26.2	16.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.77 H	42	50.1	9.1
2	5460.00	47.3 AV	54.0	-6.7	2.77 H	42	38.2	9.1
3	#5470.00	58.8 PK	68.2	-9.4	2.77 H	42	49.5	9.3
4	*5500.00	106.5 PK			2.77 H	42	97.1	9.4
5	*5500.00	95.1 AV			2.77 H	42	85.7	9.4
6	7333.30	52.4 PK	74.0	-21.6	1.29 H	330	38.9	13.5
7	7333.30	40.3 AV	54.0	-13.7	1.29 H	330	26.8	13.5
8	11000.00	56.3 PK	74.0	-17.7	1.66 H	234	39.3	17.0
9	11000.00	44.2 AV	54.0	-9.8	1.66 H	234	27.2	17.0

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	5460.00	59.0 PK	74.0	-15.0	1.04 V	67	49.9	9.1
2	5460.00	46.8 AV	54.0	-7.2	1.04 V	67	37.7	9.1
3	#5470.00	58.6 PK	68.2	-9.6	1.04 V	67	49.3	9.3
4	*5500.00	105.3 PK			1.04 V	67	95.9	9.4
5	*5500.00	93.9 AV			1.04 V	67	84.5	9.4
6	7333.30	52.1 PK	74.0	-21.9	1.16 V	9	38.6	13.5
7	7333.30	40.2 AV	54.0	-13.8	1.16 V	9	26.7	13.5
8	11000.00	55.0 PK	74.0	-19.0	1.27 V	355	38.0	17.0
9	11000.00	43.1 AV	54.0	-10.9	1.27 V	355	26.1	17.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	106.3 PK			2.76 H	41	96.9	9.4
2	*5580.00	94.8 AV			2.76 H	41	85.4	9.4
3	7440.00	52.6 PK	74.0	-21.4	1.28 H	334	39.2	13.4
4	7440.00	40.3 AV	54.0	-13.7	1.28 H	334	26.9	13.4
5	11160.00	56.4 PK	74.0	-17.6	1.72 H	229	39.0	17.4
6	11160.00	44.5 AV	54.0	-9.5	1.72 H	229	27.1	17.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	105.1 PK			1.06 V	71	95.7	9.4
2	*5580.00	93.7 AV			1.06 V	71	84.3	9.4
3	7440.00	52.0 PK	74.0	-22.0	1.16 V	7	38.6	13.4
4	7440.00	40.0 AV	54.0	-14.0	1.16 V	7	26.6	13.4
5	11160.00	55.3 PK	74.0	-18.7	1.24 V	346	37.9	17.4
6	11160.00	43.2 AV	54.0	-10.8	1.24 V	346	25.8	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.1 PK			2.78 H	43	97.2	8.9
2	*5700.00	94.3 AV			2.78 H	43	85.4	8.9
3	#5725.00	58.9 PK	68.2	-9.3	2.78 H	43	49.9	9.0
4	7600.00	52.6 PK	74.0	-21.4	1.26 H	331	39.9	12.7
5	7600.00	40.3 AV	54.0	-13.7	1.26 H	331	27.6	12.7
6	11400.00	56.3 PK	74.0	-17.7	1.70 H	225	38.8	17.5
7	11400.00	44.5 AV	54.0	-9.5	1.70 H	225	27.0	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.9 PK			1.03 V	64	96.0	8.9
2	*5700.00	93.3 AV			1.03 V	64	84.4	8.9
3	#5725.00	58.7 PK	68.2	-9.5	1.03 V	64	49.7	9.0
4	7600.00	52.1 PK	74.0	-21.9	1.15 V	4	39.4	12.7
5	7600.00	40.2 AV	54.0	-13.8	1.15 V	4	27.5	12.7
6	11400.00	55.3 PK	74.0	-18.7	1.30 V	345	37.8	17.5
7	11400.00	43.5 AV	54.0	-10.5	1.30 V	345	26.0	17.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.9 PK	68.2	-9.3	2.76 H	352	49.6	9.3
2	*5720.00	106.3 PK			2.76 H	352	97.3	9.0
3	*5720.00	94.6 AV			2.76 H	352	85.6	9.0
4	7626.70	52.4 PK	74.0	-21.6	1.23 H	330	39.6	12.8
5	7626.70	40.2 AV	54.0	-13.8	1.23 H	330	27.4	12.8
6	11440.00	56.4 PK	74.0	-17.6	1.76 H	224	39.0	17.4
7	11440.00	44.4 AV	54.0	-9.6	1.76 H	224	27.0	17.4
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	#5470.00	58.4 PK	68.2	-9.8	1.09 V	68	49.1	9.3
2	*5720.00	105.1 PK			1.09 V	68	96.1	9.0
3	*5720.00	93.4 AV			1.09 V	68	84.4	9.0
4	7626.70	52.1 PK	74.0	-21.9	1.13 V	5	39.3	12.8
5	7626.70	40.0 AV	54.0	-14.0	1.13 V	5	27.2	12.8
6	11440.00	55.6 PK	74.0	-18.4	1.28 V	349	38.2	17.4
7	11440.00	43.7 AV	54.0	-10.3	1.28 V	349	26.3	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.35	58.1 PK	68.2	-10.1	1.56 H	352	49.0	9.1
2	*5745.00	105.6 PK			1.56 H	352	96.7	8.9
3	*5745.00	94.1 AV			1.56 H	352	85.2	8.9
4	#6006.48	58.9 PK	68.2	-9.3	1.56 H	352	49.7	9.2
5	7660.00	52.7 PK	74.0	-21.3	1.22 H	327	39.8	12.9
6	7660.00	40.2 AV	54.0	-13.8	1.22 H	327	27.3	12.9
7	11490.00	56.1 PK	74.0	-17.9	1.68 H	227	38.7	17.4
8	11490.00	44.1 AV	54.0	-9.9	1.68 H	227	26.7	17.4
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	#5590.38	59.3 PK	68.2	-8.9	1.07 V	66	49.9	9.4
2	*5745.00	103.9 PK			1.07 V	66	95.0	8.9
3	*5745.00	92.4 AV			1.07 V	66	83.5	8.9
4	#6013.60	57.7 PK	68.2	-10.5	1.07 V	66	48.5	9.2
5	7660.00	52.1 PK	74.0	-21.9	1.13 V	8	39.2	12.9
6	7660.00	39.9 AV	54.0	-14.1	1.13 V	8	27.0	12.9
7	11490.00	54.8 PK	74.0	-19.2	1.23 V	350	37.4	17.4
8	11490.00	43.0 AV	54.0	-11.0	1.23 V	350	25.6	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5604.63	61.4 PK	68.2	-6.8	1.53 H	355	52.0	9.4
2	*5785.00	105.7 PK			1.53 H	355	96.7	9.0
3	*5785.00	94.2 AV			1.53 H	355	85.2	9.0
4	#5931.43	58.3 PK	68.2	-9.9	1.53 H	355	49.1	9.2
5	7713.30	52.5 PK	74.0	-21.5	1.32 H	325	39.7	12.8
6	7713.30	40.3 AV	54.0	-13.7	1.32 H	325	27.5	12.8
7	11570.00	56.3 PK	74.0	-17.7	1.73 H	234	38.8	17.5
8	11570.00	44.1 AV	54.0	-9.9	1.73 H	234	26.6	17.5
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	#5606.05	58.0 PK	68.2	-10.2	1.05 V	69	48.6	9.4
2	*5785.00	104.1 PK			1.05 V	69	95.1	9.0
3	*5785.00	92.6 AV			1.05 V	69	83.6	9.0
4	#6016.93	56.8 PK	68.2	-11.4	1.05 V	69	47.6	9.2
5	7713.30	52.2 PK	74.0	-21.8	1.17 V	5	39.4	12.8
6	7713.30	40.1 AV	54.0	-13.9	1.17 V	5	27.3	12.8
7	11570.00	55.1 PK	74.0	-18.9	1.31 V	348	37.6	17.5
8	11570.00	43.0 AV	54.0	-11.0	1.31 V	348	25.5	17.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5595.13	60.4 PK	68.2	-7.8	1.61 H	356	51.0	9.4
2	*5825.00	105.8 PK			1.61 H	356	96.7	9.1
3	*5825.00	94.5 AV			1.61 H	356	85.4	9.1
4	#5984.63	60.2 PK	68.2	-8.0	1.61 H	356	51.2	9.0
5	#7766.70	52.3 PK	68.2	-15.9	1.26 H	319	39.6	12.7
6	11650.00	56.7 PK	74.0	-17.3	1.69 H	232	38.9	17.8
7	11650.00	44.6 AV	54.0	-9.4	1.69 H	232	26.8	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.23	57.5 PK	68.2	-10.7	1.03 V	67	48.2	9.3
2	*5825.00	104.3 PK			1.03 V	67	95.2	9.1
3	*5825.00	92.9 AV			1.03 V	67	83.8	9.1
4	#5989.85	57.2 PK	68.2	-11.0	1.03 V	67	48.2	9.0
5	#7766.70	52.1 PK	68.2	-16.1	1.11 V	3	39.4	12.7
6	11650.00	55.5 PK	74.0	-18.5	1.25 V	349	37.7	17.8
7	11650.00	43.6 AV	54.0	-10.4	1.25 V	349	25.8	17.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	2.77 H	34	51.1	7.8
2	5150.00	47.1 AV	54.0	-6.9	2.77 H	34	39.3	7.8
3	*5190.00	105.3 PK			2.77 H	34	97.3	8.0
4	*5190.00	93.4 AV			2.77 H	34	85.4	8.0
5	#6920.00	55.7 PK	68.2	-12.5	1.14 H	343	44.5	11.2
6	#10380.00	56.4 PK	68.2	-11.8	1.75 H	227	39.7	16.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	1.18 V	66	50.9	7.8
2	5150.00	46.7 AV	54.0	-7.3	1.18 V	66	38.9	7.8
3	*5190.00	103.9 PK			1.18 V	66	95.9	8.0
4	*5190.00	92.1 AV			1.18 V	66	84.1	8.0
5	#6920.00	53.1 PK	68.2	-15.1	1.10 V	4	41.9	11.2
6	#10380.00	55.3 PK	68.2	-12.9	1.28 V	352	38.6	16.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	107.6 PK			2.61 H	35	99.2	8.4
2	*5230.00	96.2 AV			2.61 H	35	87.8	8.4
3	5350.00	60.3 PK	74.0	-13.7	2.61 H	35	51.3	9.0
4	5350.00	47.6 AV	54.0	-6.4	2.61 H	35	38.6	9.0
5	#6983.30	54.9 PK	68.2	-13.3	1.14 H	345	43.4	11.5
6	#10460.00	56.0 PK	68.2	-12.2	1.66 H	234	39.5	16.5
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	*5230.00	106.7 PK			1.19 V	67	98.3	8.4
2	*5230.00	95.1 AV			1.19 V	67	86.7	8.4
3	5350.00	58.9 PK	74.0	-15.1	1.19 V	67	49.9	9.0
4	5350.00	47.1 AV	54.0	-6.9	1.19 V	67	38.1	9.0
5	#6973.30	52.2 PK	68.2	-16.0	1.11 V	7	40.7	11.5
6	#10460.00	55.0 PK	68.2	-13.2	1.22 V	348	38.5	16.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	2.63 H	36	51.9	7.8
2	5150.00	47.8 AV	54.0	-6.2	2.63 H	36	40.0	7.8
3	*5270.00	107.1 PK			2.63 H	36	98.3	8.8
4	*5270.00	95.8 AV			2.63 H	36	87.0	8.8
5	#7026.70	54.6 PK	68.2	-13.6	1.27 H	339	43.1	11.5
6	#10540.00	55.8 PK	68.2	-12.4	1.68 H	227	39.5	16.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	1.17 V	66	51.6	7.8
2	5150.00	47.3 AV	54.0	-6.7	1.17 V	66	39.5	7.8
3	*5270.00	105.9 PK			1.17 V	66	97.1	8.8
4	*5270.00	94.4 AV			1.17 V	66	85.6	8.8
5	#7026.70	52.7 PK	68.2	-15.5	1.12 V	8	41.2	11.5
6	#10540.00	54.7 PK	68.2	-13.5	1.31 V	354	38.4	16.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.7 PK			2.68 H	33	97.6	9.1
2	*5310.00	95.1 AV			2.68 H	33	86.0	9.1
3	5350.00	60.1 PK	74.0	-13.9	2.68 H	33	51.1	9.0
4	5350.00	47.7 AV	54.0	-6.3	2.68 H	33	38.7	9.0
5	#7080.00	54.8 PK	68.2	-13.4	1.22 H	341	43.0	11.8
6	10620.00	55.8 PK	74.0	-18.2	1.67 H	229	39.4	16.4
7	10620.00	44.0 AV	54.0	-10.0	1.67 H	229	27.6	16.4
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	*5310.00	104.5 PK			1.17 V	66	95.4	9.1
2	*5310.00	92.9 AV			1.17 V	66	83.8	9.1
3	5350.00	59.3 PK	74.0	-14.7	1.17 V	66	50.3	9.0
4	5350.00	47.4 AV	54.0	-6.6	1.17 V	66	38.4	9.0
5	#7080.00	52.4 PK	68.2	-15.8	1.10 V	9	40.6	11.8
6	10620.00	54.7 PK	74.0	-19.3	1.26 V	350	38.3	16.4
7	10620.00	42.8 AV	54.0	-11.2	1.26 V	350	26.4	16.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.1 PK	74.0	-14.9	2.76 H	41	50.0	9.1
2	5460.00	47.1 AV	54.0	-6.9	2.76 H	41	38.0	9.1
3	#5470.00	58.9 PK	68.2	-9.3	2.76 H	41	49.6	9.3
4	*5510.00	103.8 PK			2.76 H	41	94.4	9.4
5	*5510.00	92.3 AV			2.76 H	41	82.9	9.4
6	7346.70	52.5 PK	74.0	-21.5	1.31 H	327	39.0	13.5
7	7346.70	40.4 AV	54.0	-13.6	1.31 H	327	26.9	13.5
8	11020.00	56.3 PK	74.0	-17.7	1.67 H	227	39.3	17.0
9	11020.00	44.4 AV	54.0	-9.6	1.67 H	227	27.4	17.0

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	5460.00	59.0 PK	74.0	-15.0	1.19 V	66	49.9	9.1
2	5460.00	46.8 AV	54.0	-7.2	1.19 V	66	37.7	9.1
3	#5470.00	58.7 PK	68.2	-9.5	1.19 V	66	49.4	9.3
4	*5510.00	102.5 PK			1.19 V	66	93.1	9.4
5	*5510.00	91.1 AV			1.19 V	66	81.7	9.4
6	7346.70	52.2 PK	74.0	-21.8	1.13 V	7	38.7	13.5
7	7346.70	40.1 AV	54.0	-13.9	1.13 V	7	26.6	13.5
8	11020.00	55.3 PK	74.0	-18.7	1.25 V	345	38.3	17.0
9	11020.00	43.4 AV	54.0	-10.6	1.25 V	345	26.4	17.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	103.7 PK			2.79 H	43	94.2	9.5
2	*5550.00	92.1 AV			2.79 H	43	82.6	9.5
3	7400.00	52.4 PK	74.0	-21.6	1.33 H	323	38.8	13.6
4	7400.00	40.3 AV	54.0	-13.7	1.33 H	323	26.7	13.6
5	11100.00	54.3 PK	74.0	-19.7	1.74 H	233	37.2	17.1
6	11100.00	44.5 AV	54.0	-9.5	1.74 H	233	27.4	17.1
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	*5550.00	102.7 PK			1.16 V	68	93.2	9.5
2	*5550.00	91.3 AV			1.16 V	68	81.8	9.5
3	7400.00	52.3 PK	74.0	-21.7	1.09 V	10	38.7	13.6
4	7400.00	40.2 AV	54.0	-13.8	1.09 V	10	26.6	13.6
5	11100.00	55.3 PK	74.0	-18.7	1.31 V	352	38.2	17.1
6	11100.00	43.2 AV	54.0	-10.8	1.31 V	352	26.1	17.1

Remarks:

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

RF Mode	802.11ax (HE40)	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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	104.2 PK			1.47 H	356	95.2	9.0
2	*5670.00	92.6 AV			1.47 H	356	83.6	9.0
3	#5725.00	59.1 PK	68.2	-9.1	1.47 H	356	50.1	9.0
4	7560.00	52.6 PK	74.0	-21.4	1.24 H	328	39.6	13.0
5	7560.00	40.3 AV	54.0	-13.7	1.24 H	328	27.3	13.0
6	11340.00	56.7 PK	74.0	-17.3	1.67 H	225	39.3	17.4
7	11340.00	44.6 AV	54.0	-9.4	1.67 H	225	27.2	17.4
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	*5670.00	103.1 PK			1.18 V	65	94.1	9.0
2	*5670.00	91.3 AV			1.18 V	65	82.3	9.0
3	#5725.00	58.7 PK	68.2	-9.5	1.18 V	65	49.7	9.0
4	7560.00	52.2 PK	74.0	-21.8	1.11 V	6	39.2	13.0
5	7560.00	39.9 AV	54.0	-14.1	1.11 V	6	26.9	13.0
6	11340.00	55.4 PK	74.0	-18.6	1.28 V	350	38.0	17.4
7	11340.00	43.6 AV	54.0	-10.4	1.28 V	350	26.2	17.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.7 PK	68.2	-9.5	2.73 H	351	49.4	9.3
2	*5710.00	103.7 PK			2.73 H	351	94.8	8.9
3	*5710.00	92.3 AV			2.73 H	351	83.4	8.9
4	7613.30	52.6 PK	74.0	-21.4	1.27 H	315	39.8	12.8
5	7613.30	40.2 AV	54.0	-13.8	1.27 H	315	27.4	12.8
6	11420.00	56.6 PK	74.0	-17.4	1.73 H	234	39.1	17.5
7	11420.00	44.4 AV	54.0	-9.6	1.73 H	234	26.9	17.5
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	#5470.00	58.6 PK	68.2	-9.6	1.15 V	69	49.3	9.3
2	*5710.00	102.6 PK			1.15 V	69	93.7	8.9
3	*5710.00	91.1 AV			1.15 V	69	82.2	8.9
4	7613.30	52.1 PK	74.0	-21.9	1.07 V	6	39.3	12.8
5	7613.30	40.1 AV	54.0	-13.9	1.07 V	6	27.3	12.8
6	11420.00	55.3 PK	74.0	-18.7	1.38 V	355	37.8	17.5
7	11420.00	43.4 AV	54.0	-10.6	1.38 V	355	25.9	17.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5570.43	61.7 PK	68.2	-6.5	1.52 H	351	52.3	9.4
2	*5755.00	104.2 PK			1.52 H	351	95.3	8.9
3	*5755.00	92.4 AV			1.52 H	351	83.5	8.9
4	#6006.48	61.6 PK	68.2	-6.6	1.52 H	351	52.4	9.2
5	7673.30	52.4 PK	74.0	-21.6	1.30 H	326	39.5	12.9
6	7673.30	40.2 AV	54.0	-13.8	1.30 H	326	27.3	12.9
7	11510.00	56.4 PK	74.0	-17.6	1.68 H	229	38.9	17.5
8	11510.00	44.5 AV	54.0	-9.5	1.68 H	229	27.0	17.5
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	#5601.30	59.6 PK	68.2	-8.6	1.16 V	69	50.2	9.4
2	*5755.00	102.9 PK			1.16 V	69	94.0	8.9
3	*5755.00	91.2 AV			1.16 V	69	82.3	8.9
4	#5969.43	57.9 PK	68.2	-10.3	1.16 V	69	48.8	9.1
5	7673.30	52.1 PK	74.0	-21.9	1.10 V	11	39.2	12.9
6	7673.30	39.8 AV	54.0	-14.2	1.10 V	11	26.9	12.9
7	11510.00	55.4 PK	74.0	-18.6	1.27 V	348	37.9	17.5
8	11510.00	43.4 AV	54.0	-10.6	1.27 V	348	25.9	17.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5583.25	61.5 PK	68.2	-6.7	1.49 H	353	52.1	9.4
2	*5795.00	104.1 PK			1.49 H	353	95.1	9.0
3	*5795.00	92.2 AV			1.49 H	353	83.2	9.0
4	#5999.35	60.0 PK	68.2	-8.2	1.49 H	353	51.0	9.0
5	7726.70	52.6 PK	74.0	-21.4	1.27 H	327	39.9	12.7
6	7726.70	40.6 AV	54.0	-13.4	1.27 H	327	27.9	12.7
7	11590.00	56.4 PK	74.0	-17.6	1.67 H	227	38.8	17.6
8	11590.00	44.5 AV	54.0	-9.5	1.67 H	227	26.9	17.6
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	#5610.80	59.4 PK	68.2	-8.8	1.17 V	67	50.1	9.3
2	*5795.00	102.8 PK			1.17 V	67	93.8	9.0
3	*5795.00	91.1 AV			1.17 V	67	82.1	9.0
4	#5987.48	59.1 PK	68.2	-9.1	1.17 V	67	50.1	9.0
5	7726.70	52.3 PK	74.0	-21.7	1.09 V	8	39.6	12.7
6	7726.70	40.2 AV	54.0	-13.8	1.09 V	8	27.5	12.7
7	11590.00	55.4 PK	74.0	-18.6	1.24 V	355	37.8	17.6
8	11590.00	43.4 AV	54.0	-10.6	1.24 V	355	25.8	17.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	3.25 H	33	51.7	7.8
2	5150.00	47.8 AV	54.0	-6.2	3.25 H	33	40.0	7.8
3	*5210.00	103.9 PK			3.25 H	33	95.7	8.2
4	*5210.00	92.7 AV			3.25 H	33	84.5	8.2
5	5350.00	59.1 PK	74.0	-14.9	3.25 H	33	50.1	9.0
6	5350.00	47.3 AV	54.0	-6.7	3.25 H	33	38.3	9.0
7	#6946.70	54.3 PK	68.2	-13.9	1.13 H	346	42.9	11.4
8	#10420.00	56.2 PK	68.2	-12.0	1.68 H	227	39.6	16.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	1.17 V	68	51.5	7.8
2	5150.00	47.5 AV	54.0	-6.5	1.17 V	68	39.7	7.8
3	*5210.00	102.5 PK			1.17 V	68	94.3	8.2
4	*5210.00	91.5 AV			1.17 V	68	83.3	8.2
5	5350.00	58.8 PK	74.0	-15.2	1.17 V	68	49.8	9.0
6	5350.00	47.2 AV	54.0	-6.8	1.17 V	68	38.2	9.0
7	#6946.70	52.9 PK	68.2	-15.3	1.07 V	6	41.5	11.4
8	#10420.00	54.9 PK	68.2	-13.3	1.30 V	350	38.3	16.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	2.66 H	27	51.5	7.8
2	5150.00	47.4 AV	54.0	-6.6	2.66 H	27	39.6	7.8
3	*5290.00	103.8 PK			2.66 H	27	94.8	9.0
4	*5290.00	92.4 AV			2.66 H	27	83.4	9.0
5	5350.00	61.8 PK	74.0	-12.2	2.66 H	27	52.8	9.0
6	5350.00	49.4 AV	54.0	-4.6	2.66 H	27	40.4	9.0
7	#7053.30	54.5 PK	68.2	-13.7	1.18 H	341	43.0	11.5
8	#10580.00	55.8 PK	68.2	-12.4	1.71 H	230	39.4	16.4
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	59.1 PK	74.0	-14.9	1.19 V	65	51.3	7.8
2	5150.00	47.2 AV	54.0	-6.8	1.19 V	65	39.4	7.8
3	*5290.00	102.4 PK			1.19 V	65	93.4	9.0
4	*5290.00	91.3 AV			1.19 V	65	82.3	9.0
5	5350.00	61.6 PK	74.0	-12.4	1.19 V	65	52.6	9.0
6	5350.00	49.1 AV	54.0	-4.9	1.19 V	65	40.1	9.0
7	#7053.30	52.7 PK	68.2	-15.5	1.09 V	8	41.2	11.5
8	#10580.00	54.7 PK	68.2	-13.5	1.26 V	348	38.3	16.4

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 (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	59.1 PK	74.0	-14.9	2.66 H	344	50.0	9.1
2	5460.00	47.2 AV	54.0	-6.8	2.66 H	344	38.1	9.1
3	#5470.00	59.6 PK	68.2	-8.6	2.66 H	344	50.3	9.3
4	*5530.00	102.9 PK			2.66 H	344	93.5	9.4
5	*5530.00	91.7 AV			2.66 H	344	82.3	9.4
6	7373.30	52.4 PK	74.0	-21.6	1.29 H	327	38.8	13.6
7	7373.30	40.3 AV	54.0	-13.7	1.29 H	327	26.7	13.6
8	11060.00	56.3 PK	74.0	-17.7	1.67 H	227	39.2	17.1
9	11060.00	44.5 AV	54.0	-9.5	1.67 H	227	27.4	17.1

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	5460.00	58.9 PK	74.0	-15.1	1.18 V	63	49.8	9.1
2	5460.00	47.1 AV	54.0	-6.9	1.18 V	63	38.0	9.1
3	#5470.00	59.3 PK	68.2	-8.9	1.18 V	63	50.0	9.3
4	*5530.00	101.6 PK			1.18 V	63	92.2	9.4
5	*5530.00	90.5 AV			1.18 V	63	81.1	9.4
6	7373.30	52.2 PK	74.0	-21.8	1.10 V	5	38.6	13.6
7	7373.30	40.1 AV	54.0	-13.9	1.10 V	5	26.5	13.6
8	11060.00	55.5 PK	74.0	-18.5	1.28 V	347	38.4	17.1
9	11060.00	43.5 AV	54.0	-10.5	1.28 V	347	26.4	17.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.1 PK			2.66 H	346	93.8	9.3
2	*5610.00	91.9 AV			2.66 H	346	82.6	9.3
3	#5725.00	59.4 PK	68.2	-8.8	2.66 H	346	50.4	9.0
4	7480.00	52.6 PK	74.0	-21.4	1.25 H	321	39.3	13.3
5	7480.00	40.3 AV	54.0	-13.7	1.25 H	321	27.0	13.3
6	11220.00	56.7 PK	74.0	-17.3	1.69 H	234	39.2	17.5
7	11220.00	44.7 AV	54.0	-9.3	1.69 H	234	27.2	17.5
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	*5610.00	101.8 PK			1.16 V	69	92.5	9.3
2	*5610.00	90.4 AV			1.16 V	69	81.1	9.3
3	#5725.00	52.1 PK	68.2	-16.1	1.16 V	69	43.1	9.0
4	7480.00	52.3 PK	74.0	-21.7	1.07 V	11	39.0	13.3
5	7480.00	40.0 AV	54.0	-14.0	1.07 V	11	26.7	13.3
6	11220.00	55.5 PK	74.0	-18.5	1.27 V	348	38.0	17.5
7	11220.00	43.5 AV	54.0	-10.5	1.27 V	348	26.0	17.5

Remarks:

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

RF Mode	802.11ax (HE80)	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	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	58.9 PK	68.2	-9.3	2.87 H	346	49.6	9.3
2	*5690.00	103.0 PK			2.87 H	346	94.0	9.0
3	*5690.00	91.8 AV			2.87 H	346	82.8	9.0
4	7586.70	52.6 PK	74.0	-21.4	1.31 H	313	39.7	12.9
5	7586.70	40.3 AV	54.0	-13.7	1.31 H	313	27.4	12.9
6	11380.00	56.4 PK	74.0	-17.6	1.66 H	227	39.0	17.4
7	11380.00	44.2 AV	54.0	-9.8	1.66 H	227	26.8	17.4
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	#5470.00	58.9 PK	68.2	-9.3	1.14 V	71	49.6	9.3
2	*5690.00	101.7 PK			1.14 V	71	92.7	9.0
3	*5690.00	90.3 AV			1.14 V	71	81.3	9.0
4	7586.70	52.2 PK	74.0	-21.8	1.06 V	9	39.3	12.9
5	7586.70	40.0 AV	54.0	-14.0	1.06 V	9	27.1	12.9
6	11380.00	55.3 PK	74.0	-18.7	1.25 V	344	37.9	17.4
7	11380.00	43.5 AV	54.0	-10.5	1.25 V	344	26.1	17.4

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 (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.10	59.7 PK	68.2	-8.5	2.68 H	343	50.3	9.4
2	*5775.00	101.7 PK			2.68 H	343	92.6	9.1
3	*5775.00	90.6 AV			2.68 H	343	81.5	9.1
4	#6024.52	59.3 PK	68.2	-8.9	2.68 H	343	50.0	9.3
5	7700.00	52.4 PK	74.0	-21.6	1.34 H	317	39.5	12.9
6	7700.00	40.1 AV	54.0	-13.9	1.34 H	317	27.2	12.9
7	11550.00	56.5 PK	74.0	-17.5	1.67 H	227	38.9	17.6
8	11550.00	44.5 AV	54.0	-9.5	1.67 H	227	26.9	17.6
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	#5575.18	60.3 PK	68.2	-7.9	1.19 V	71	50.9	9.4
2	*5775.00	100.4 PK			1.19 V	71	91.3	9.1
3	*5775.00	89.3 AV			1.19 V	71	80.2	9.1
4	#5964.68	58.8 PK	68.2	-9.4	1.19 V	71	49.7	9.1
5	7700.00	52.1 PK	74.0	-21.9	1.08 V	8	39.2	12.9
6	7700.00	39.8 AV	54.0	-14.2	1.08 V	8	26.9	12.9
7	11550.00	55.5 PK	74.0	-18.5	1.26 V	351	37.9	17.6
8	11550.00	43.4 AV	54.0	-10.6	1.26 V	351	25.8	17.6

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	3.00 H	35	51.5	7.8
2	5150.00	48.0 AV	54.0	-6.0	3.00 H	35	40.2	7.8
3	*5250.00	99.9 PK			3.00 H	35	91.3	8.6
4	*5250.00	88.7 AV			3.00 H	35	80.1	8.6
5	5350.00	60.9 PK	74.0	-13.1	3.00 H	35	51.9	9.0
6	5350.00	49.4 AV	54.0	-4.6	3.00 H	35	40.4	9.0
7	#7000.00	53.8 PK	68.2	-14.4	1.21 H	344	42.4	11.4
8	#10500.00	56.2 PK	68.2	-12.0	1.69 H	227	39.8	16.4
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	59.2 PK	74.0	-14.8	1.18 V	65	51.4	7.8
2	5150.00	47.8 AV	54.0	-6.2	1.18 V	65	40.0	7.8
3	*5250.00	98.7 PK			1.18 V	65	90.1	8.6
4	*5250.00	87.3 AV			1.18 V	65	78.7	8.6
5	5350.00	60.2 PK	74.0	-13.8	1.18 V	65	51.2	9.0
6	5350.00	48.7 AV	54.0	-5.3	1.18 V	65	39.7	9.0
7	#7000.00	52.3 PK	68.2	-15.9	1.09 V	8	40.9	11.4
8	#10500.00	54.9 PK	68.2	-13.3	1.24 V	355	38.5	16.4

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 (HE160)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	20 °C, 71 % RH
Tested By	Dalen Dai		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.4 PK	74.0	-14.6	2.70 H	348	50.3	9.1
2	5460.00	47.4 AV	54.0	-6.6	2.70 H	348	38.3	9.1
3	#5470.00	59.7 PK	68.2	-8.5	2.70 H	348	50.4	9.3
4	*5570.00	98.3 PK			2.70 H	348	88.9	9.4
5	*5570.00	87.1 AV			2.70 H	348	77.7	9.4
6	7426.66	52.8 PK	74.0	-21.2	1.27 H	322	39.4	13.4
7	7426.66	40.5 AV	54.0	-13.5	1.27 H	322	27.1	13.4
8	11140.00	56.6 PK	74.0	-17.4	1.65 H	224	39.3	17.3
9	11140.00	44.7 AV	54.0	-9.3	1.65 H	224	27.4	17.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	1.16 V	68	49.8	9.1
2	5460.00	47.2 AV	54.0	-6.8	1.16 V	68	38.1	9.1
3	#5470.00	59.5 PK	68.2	-8.7	1.16 V	68	50.2	9.3
4	*5570.00	97.2 PK			1.16 V	68	87.8	9.4
5	*5570.00	86.0 AV			1.16 V	68	76.6	9.4
6	7426.66	52.3 PK	74.0	-21.7	1.07 V	4	38.9	13.4
7	7426.66	40.2 AV	54.0	-13.8	1.07 V	4	26.8	13.4
8	11140.00	55.6 PK	74.0	-18.4	1.27 V	348	38.3	17.3
9	11140.00	43.5 AV	54.0	-10.5	1.27 V	348	26.2	17.3

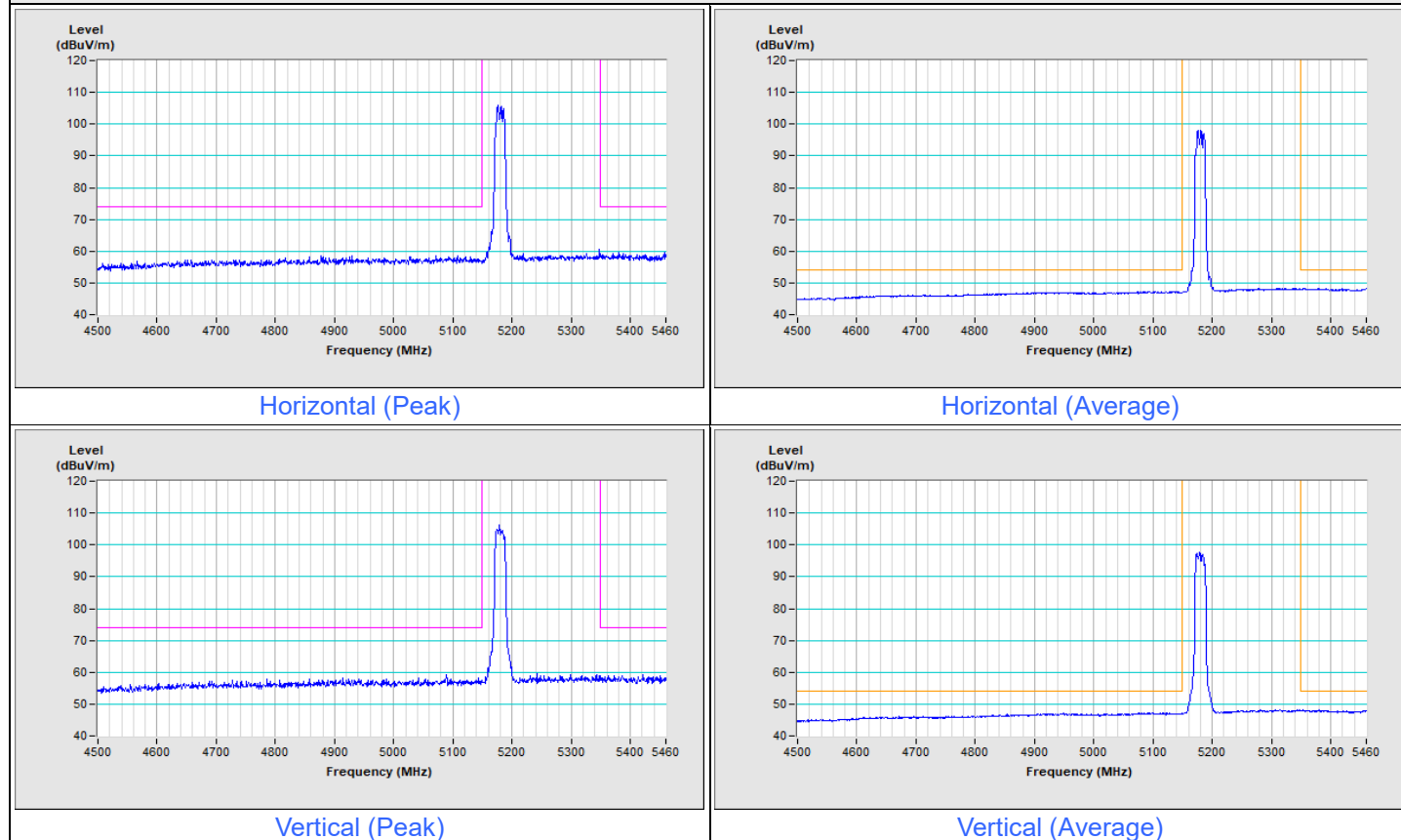
Remarks:

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.

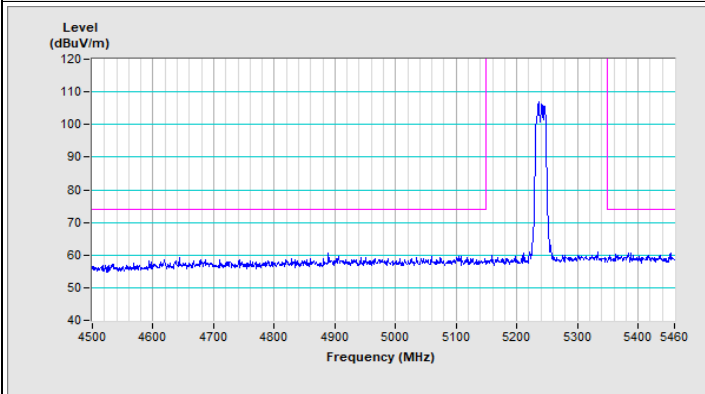
Plot of Band Edge

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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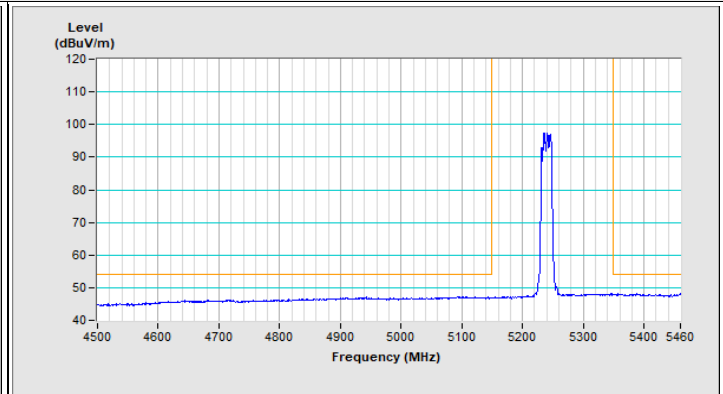
802.11a Channel 36



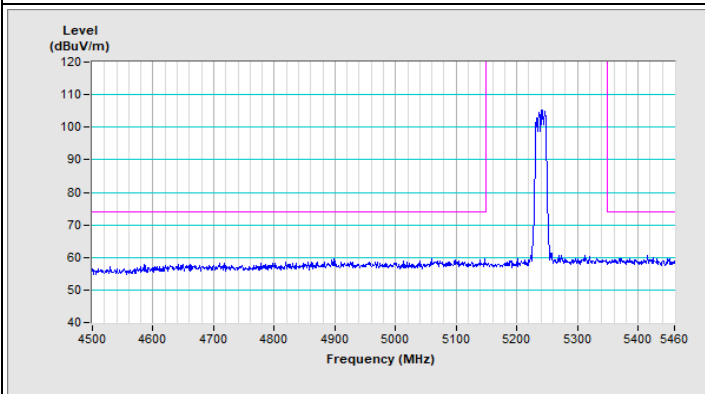
802.11a Channel 48



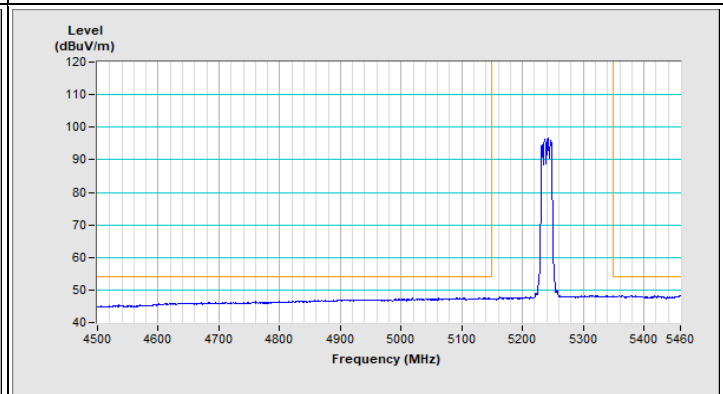
Horizontal (Peak)



Horizontal (Average)

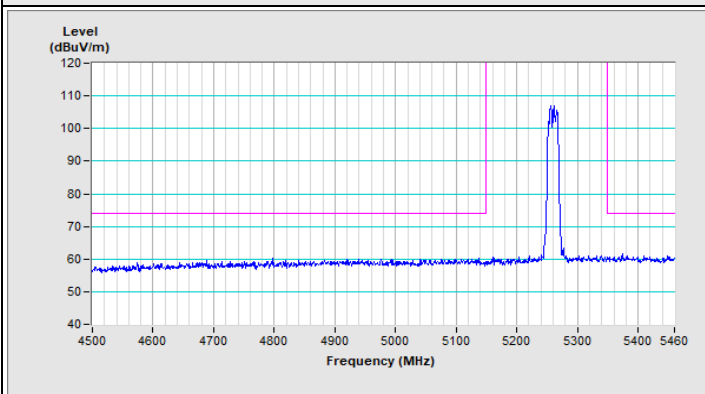


Vertical (Peak)

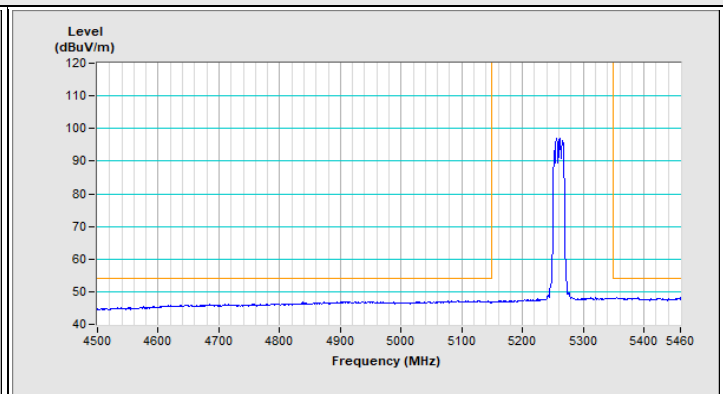


Vertical (Average)

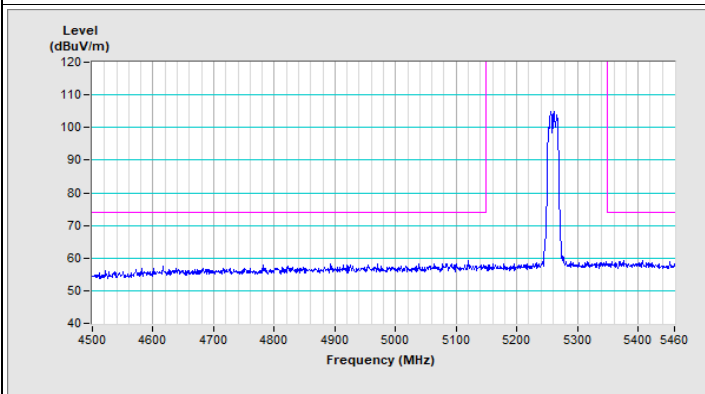
802.11a Channel 52



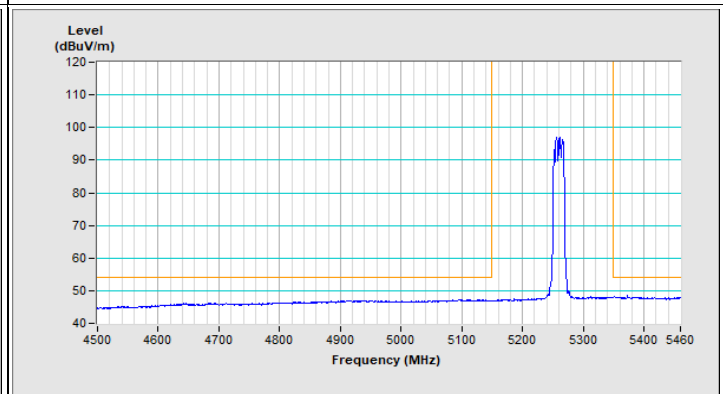
Horizontal (Peak)



Horizontal (Average)

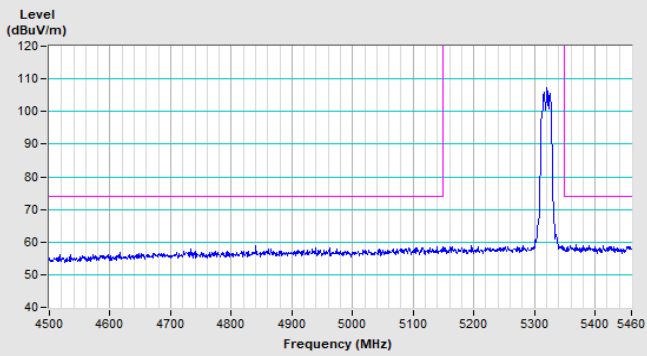


Vertical (Peak)

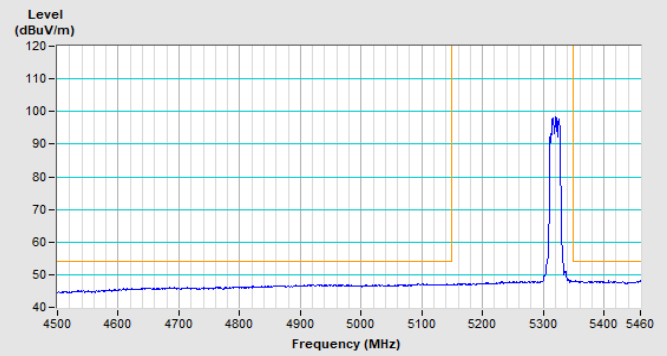


Vertical (Average)

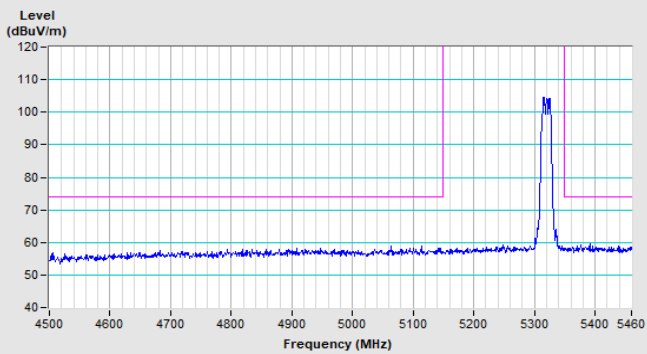
802.11a Channel 64



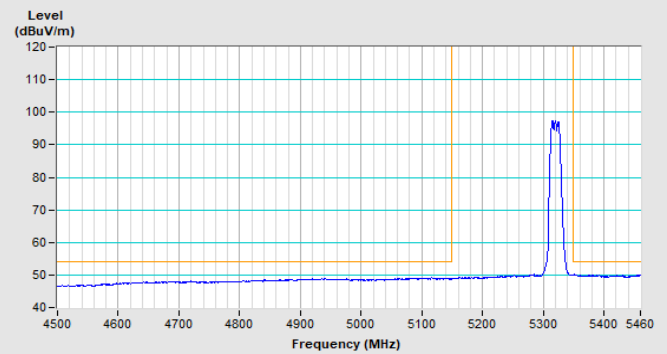
Horizontal (Peak)



Horizontal (Average)



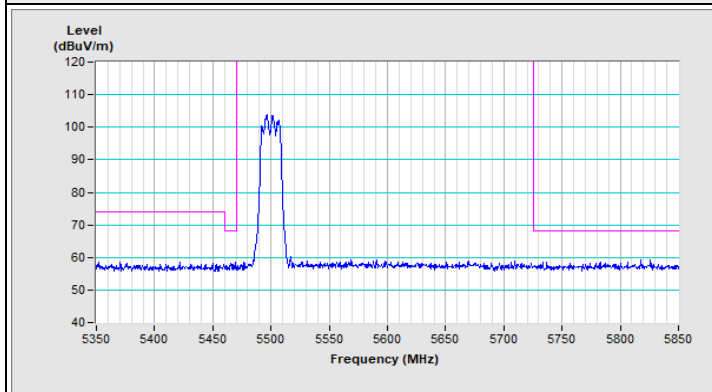
Vertical (Peak)



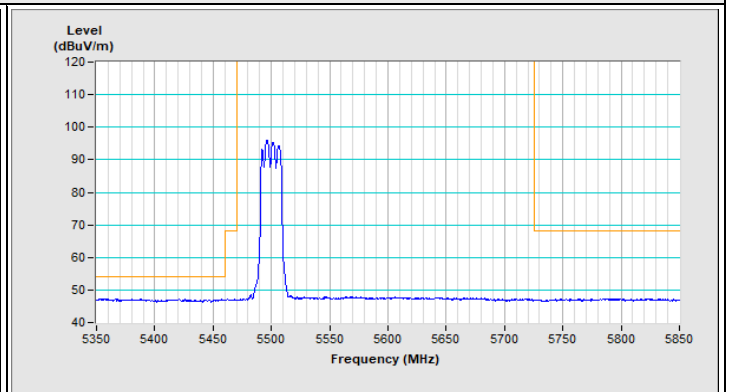
Vertical (Average)

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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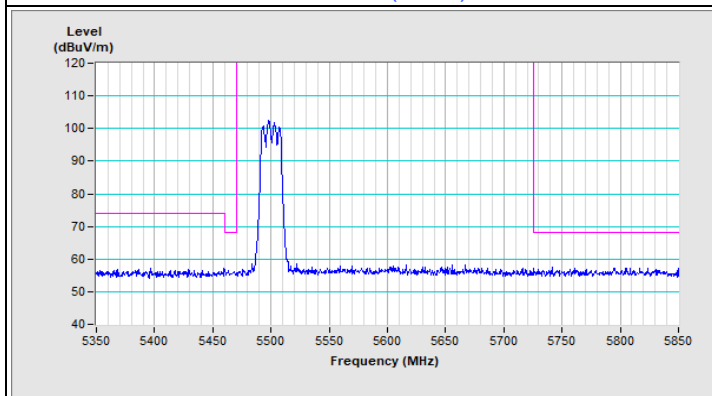
802.11a Channel 100



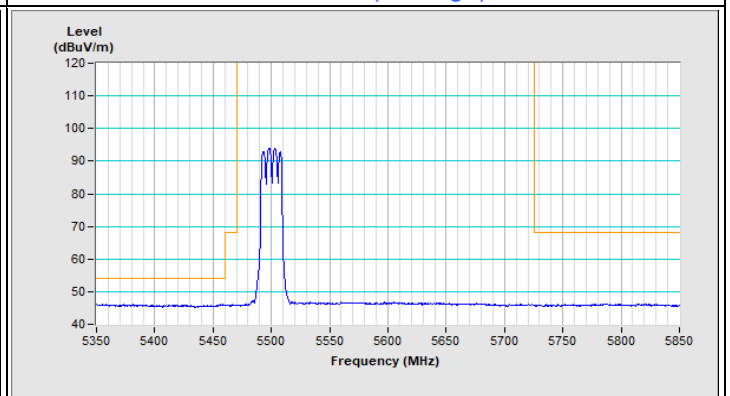
Horizontal (Peak)



Horizontal (Average)

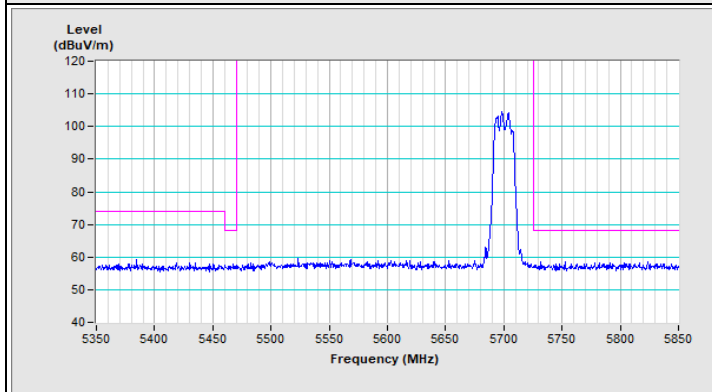


Vertical (Peak)

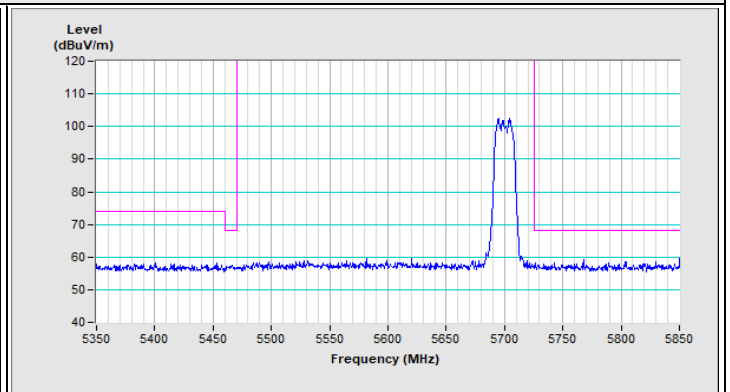


Vertical (Average)

802.11a Channel 140

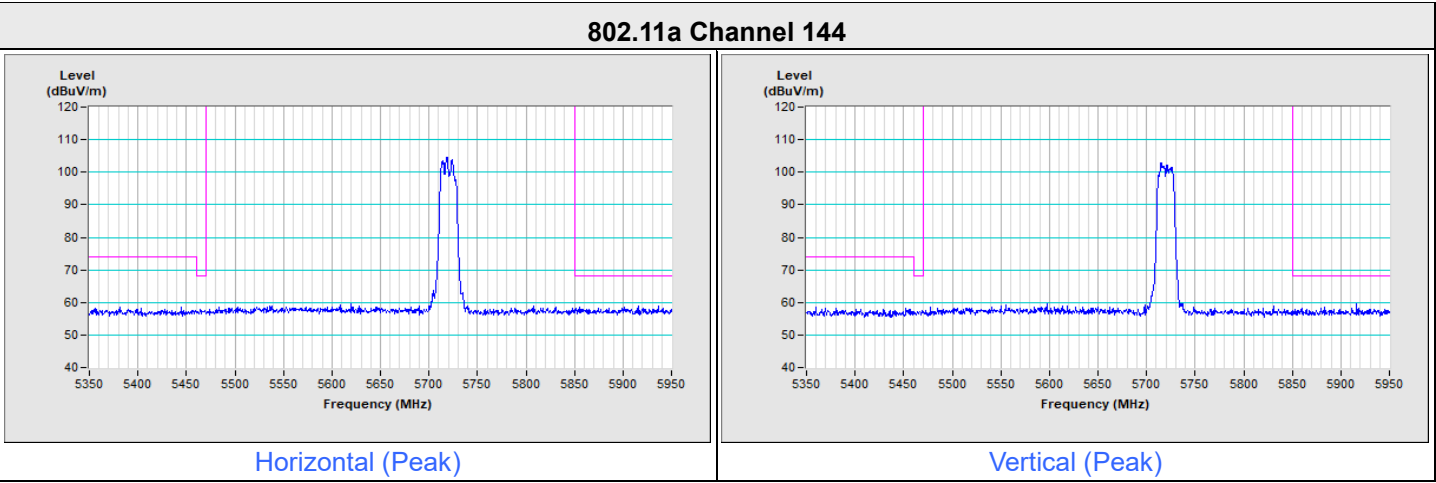


Horizontal (Peak)



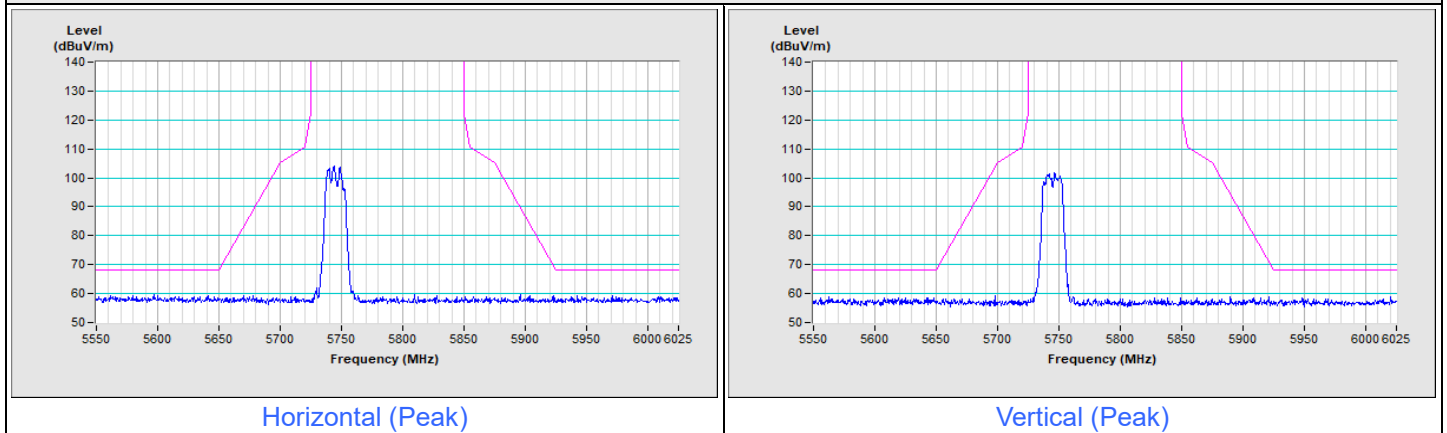
Vertical (Peak)

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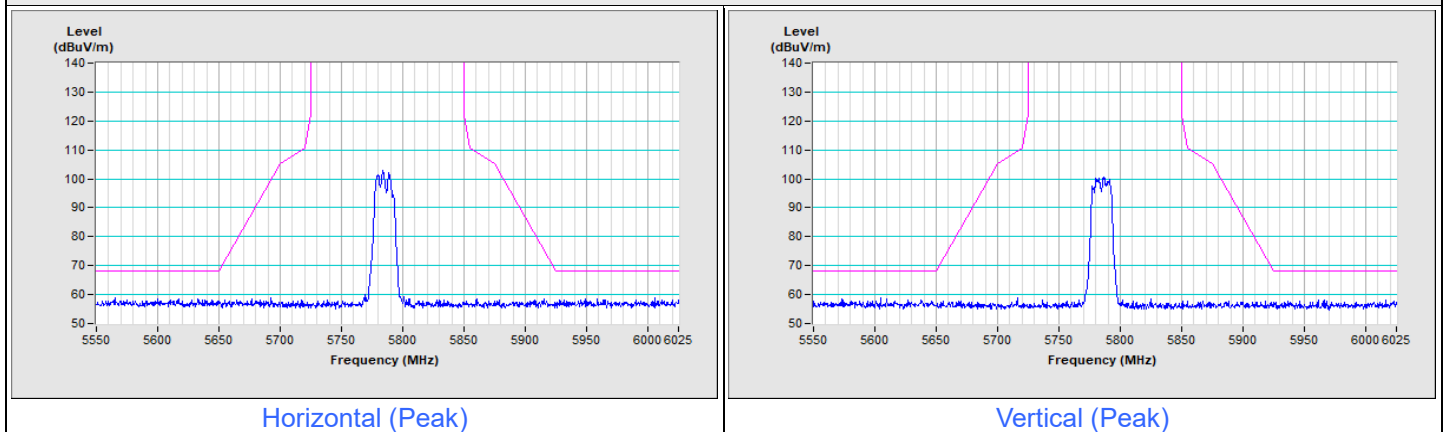


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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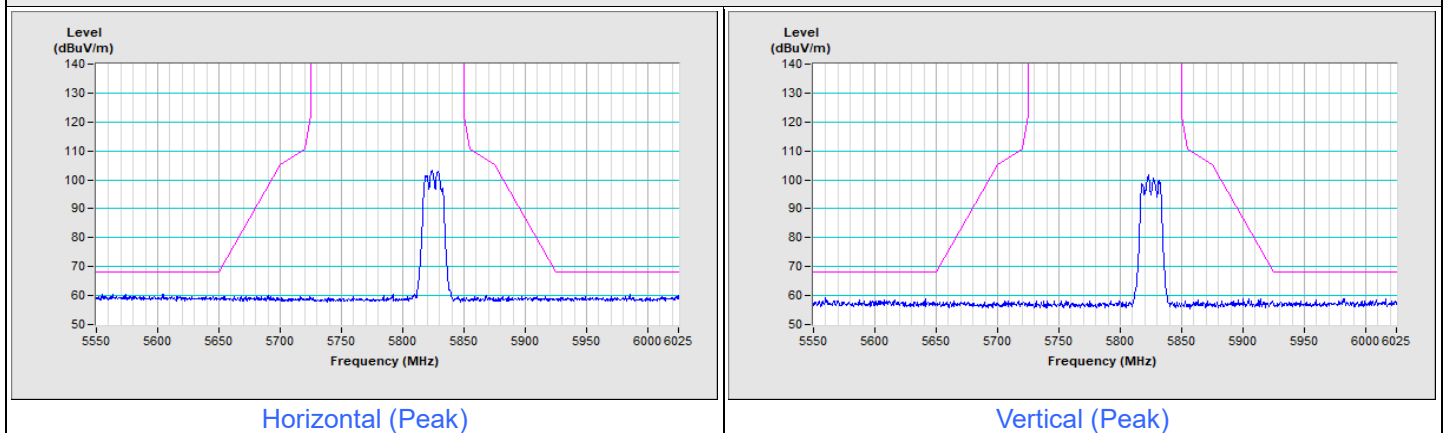
802.11a Channel 149



802.11a Channel 157

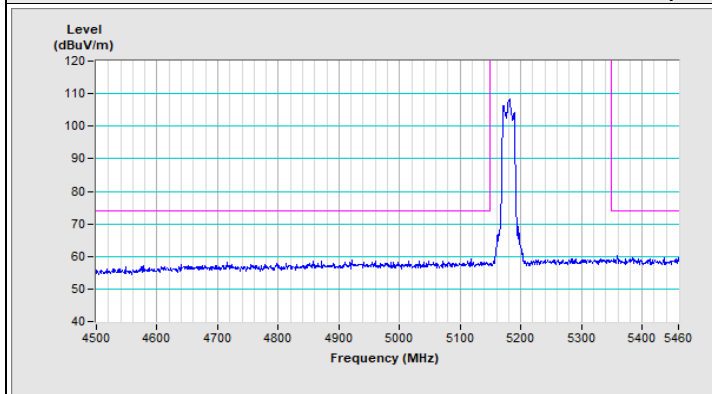


802.11a Channel 165

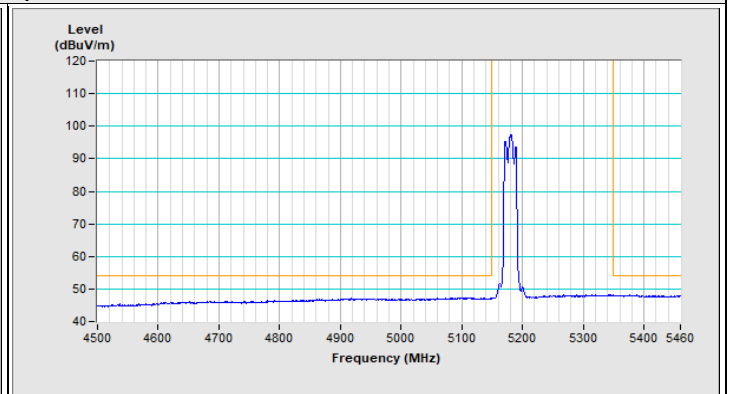


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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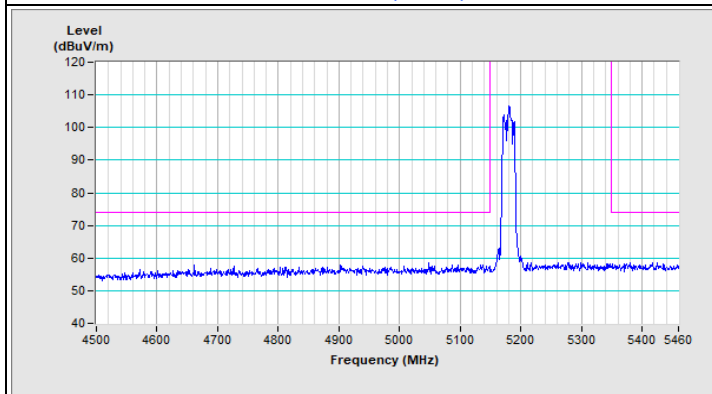
802.11ax (HE20) Channel 36



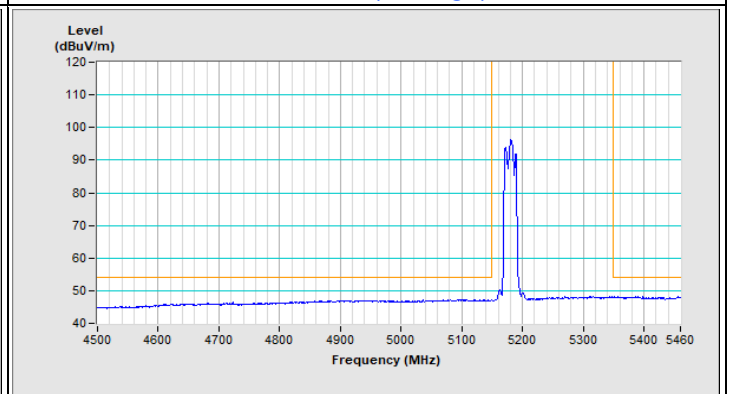
Horizontal (Peak)



Horizontal (Average)

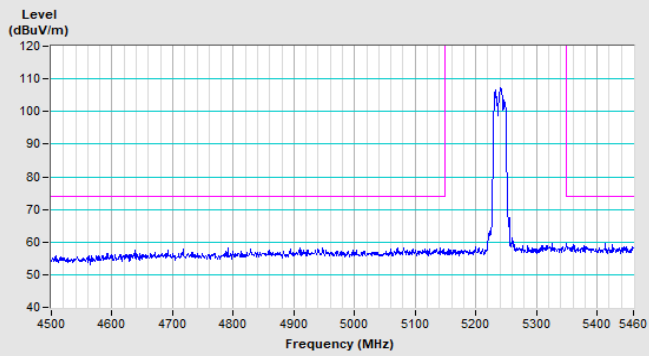


Vertical (Peak)

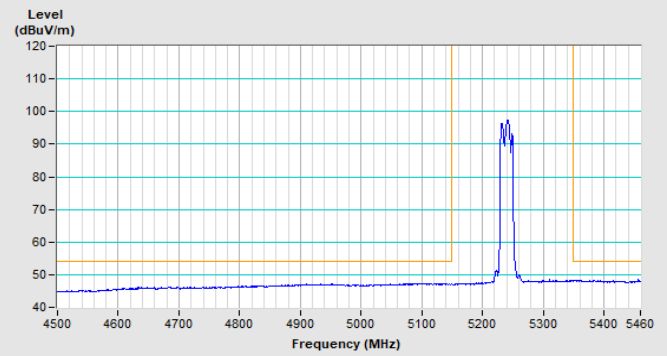


Vertical (Average)

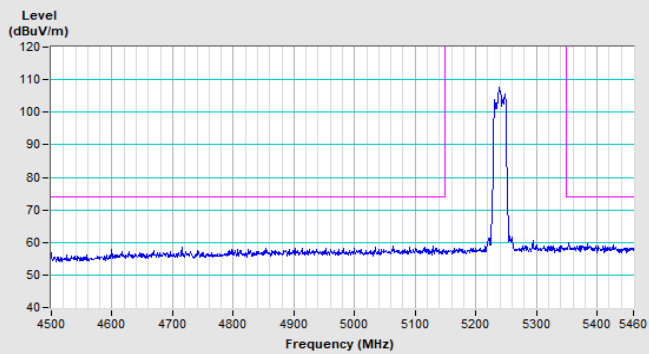
802.11ax (HE20) Channel 48



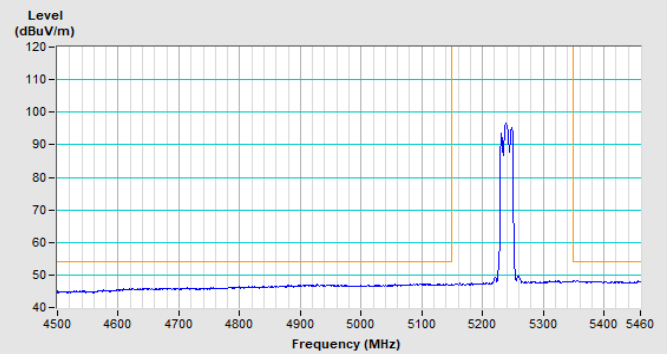
Horizontal (Peak)



Horizontal (Average)

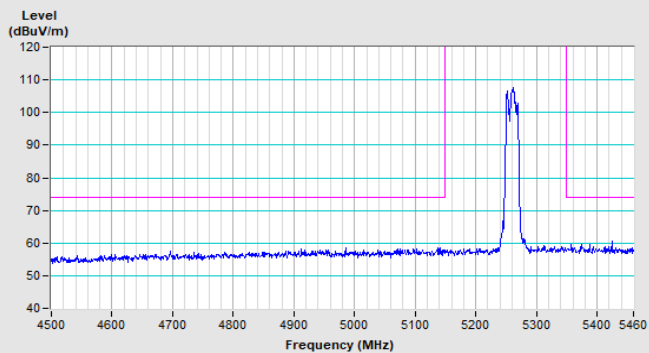


Vertical (Peak)

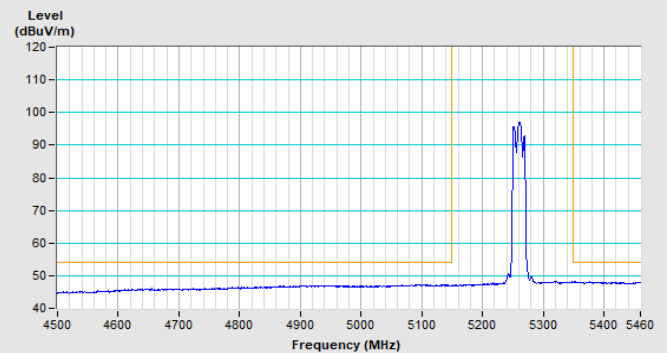


Vertical (Average)

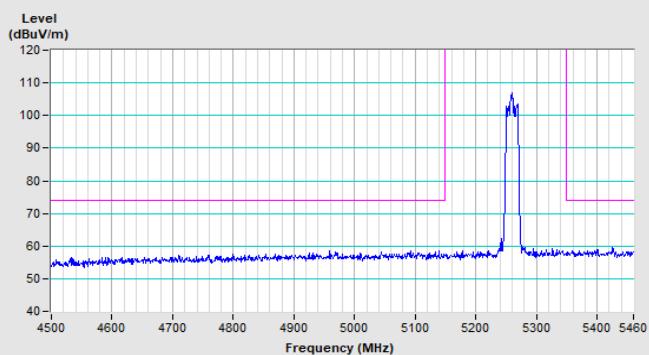
802.11ax (HE20) Channel 52



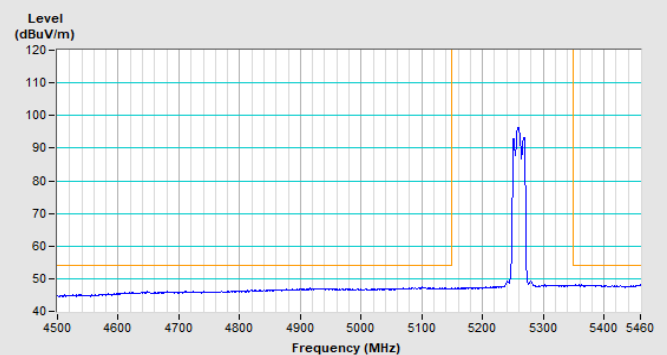
Horizontal (Peak)



Horizontal (Average)

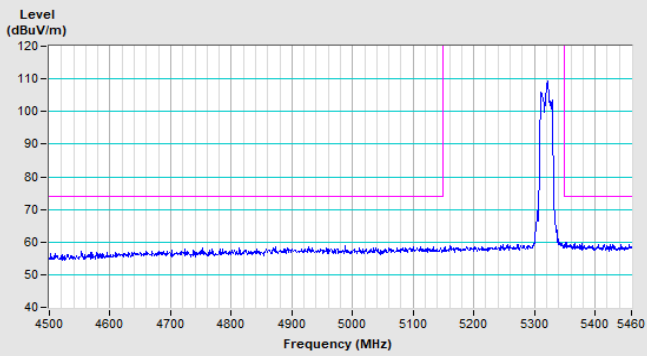


Vertical (Peak)

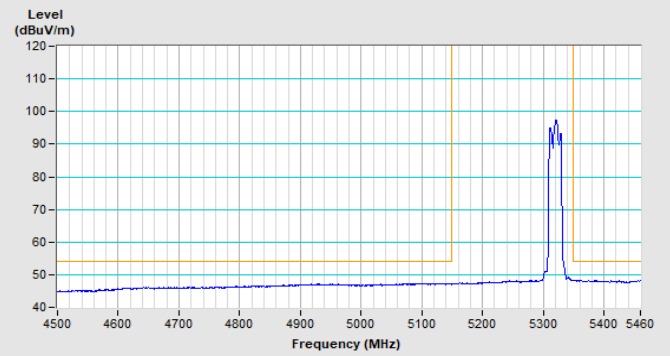


Vertical (Average)

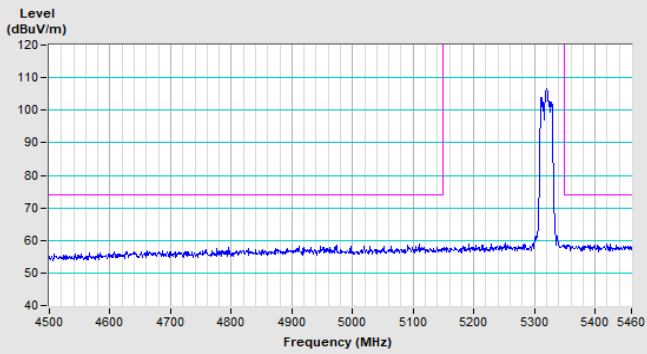
802.11ax (HE20) Channel 64



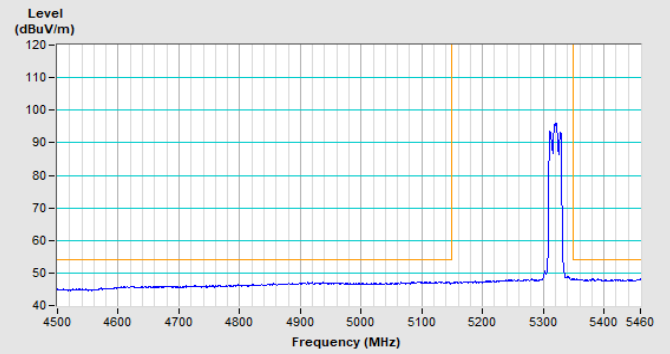
Horizontal (Peak)



Horizontal (Average)



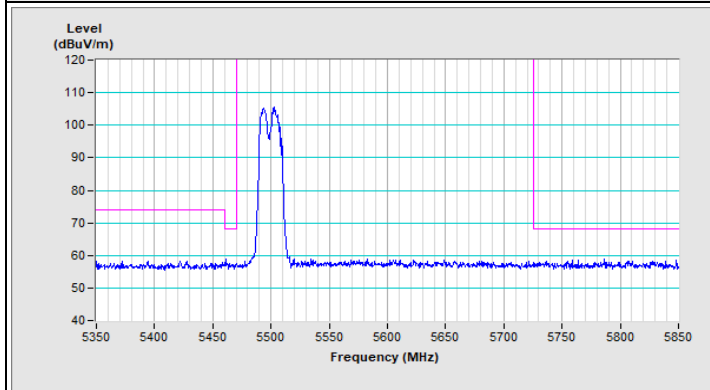
Vertical (Peak)



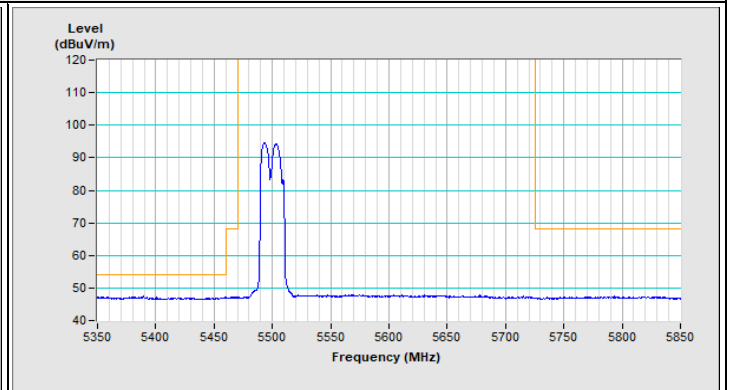
Vertical (Average)

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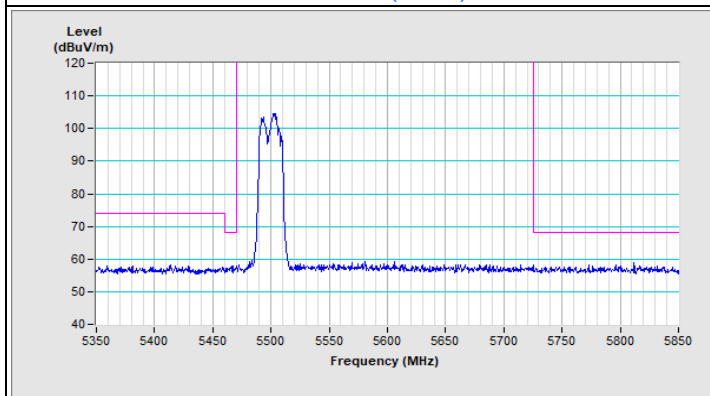
802.11ax (HE20) Channel 100



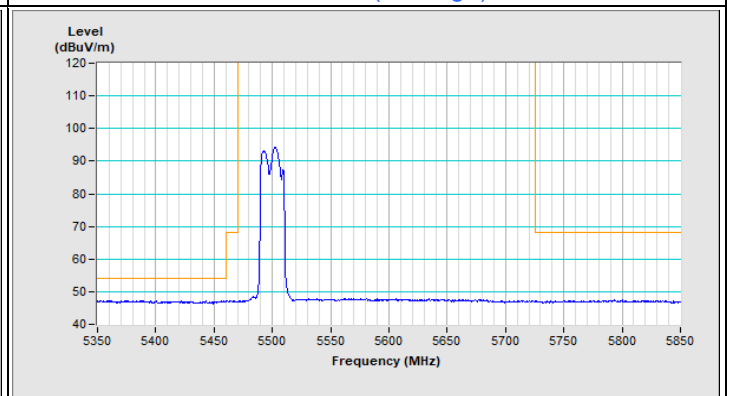
Horizontal (Peak)



Horizontal (Average)

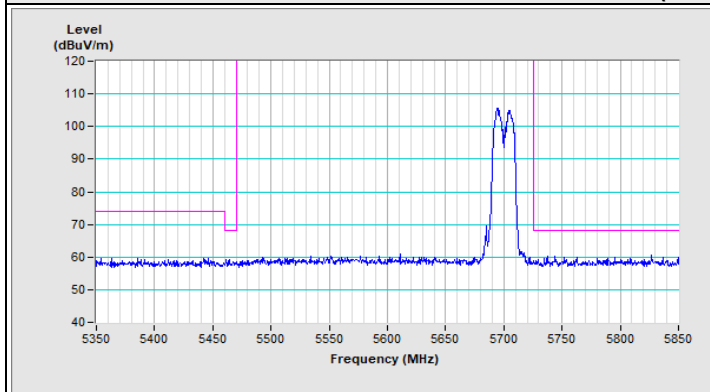


Vertical (Peak)

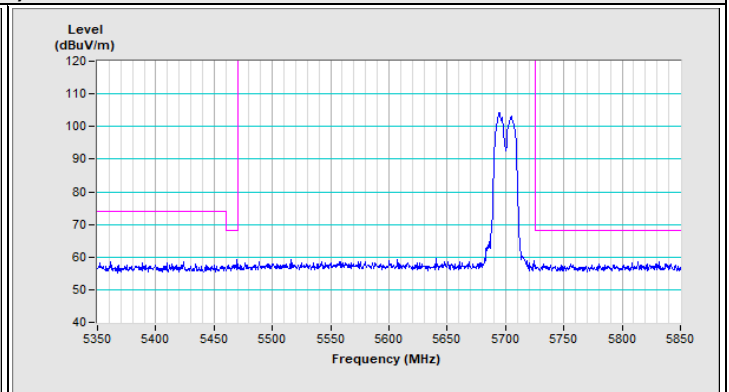


Vertical (Average)

802.11ax (HE20) Channel 140

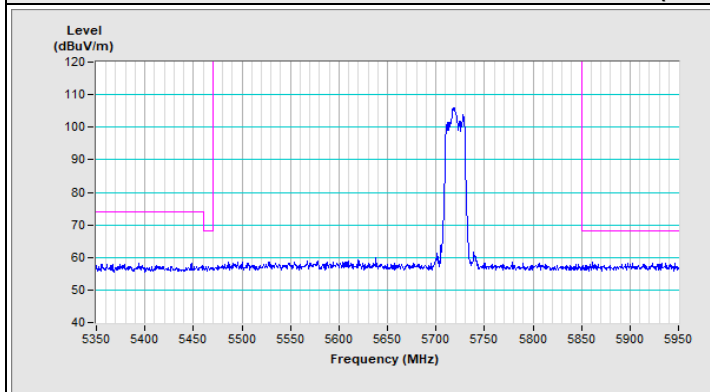


Horizontal (Peak)

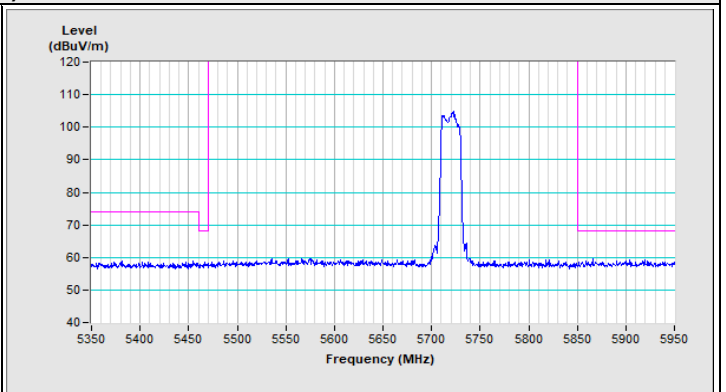


Vertical (Peak)

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

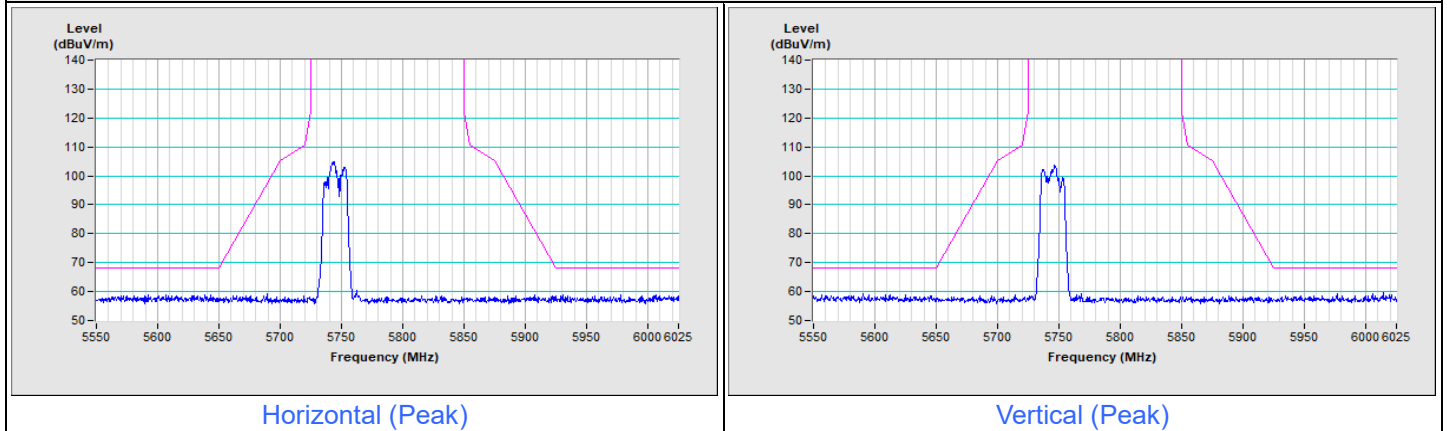
Horizontal (Peak)



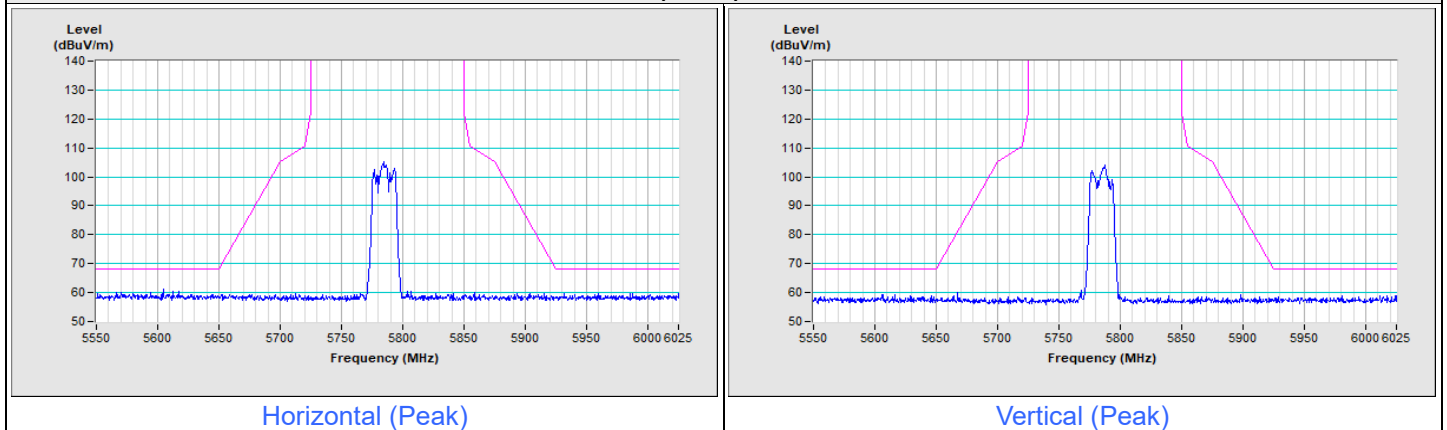
Vertical (Peak)

Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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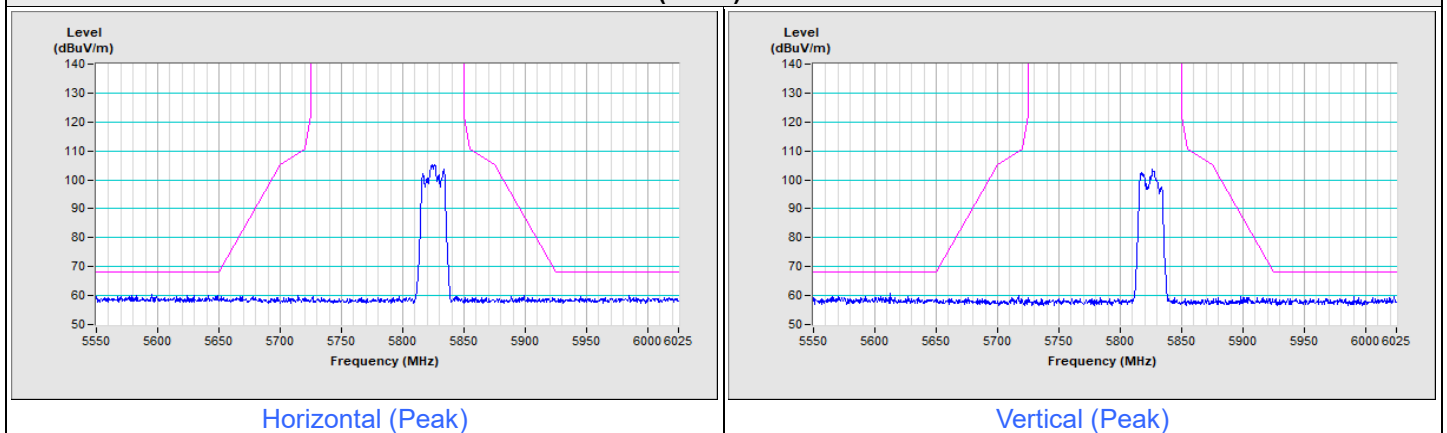
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

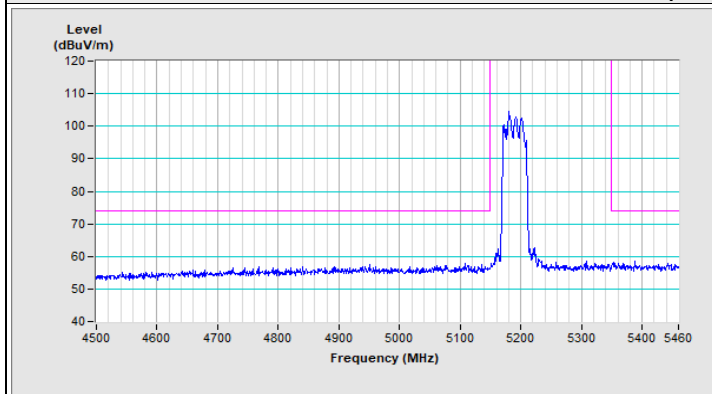


802.11ax (HE20) Channel 165

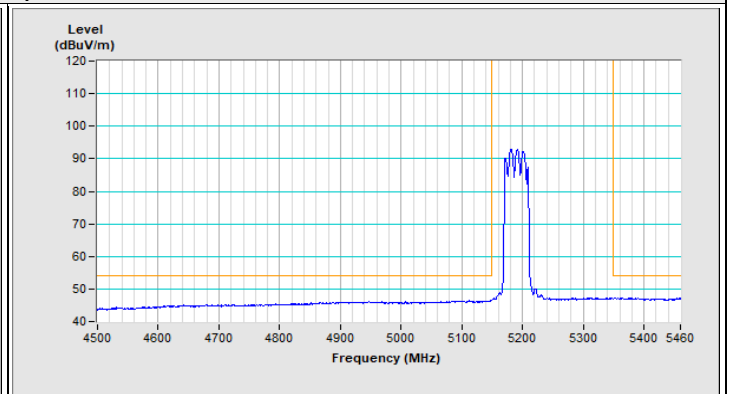


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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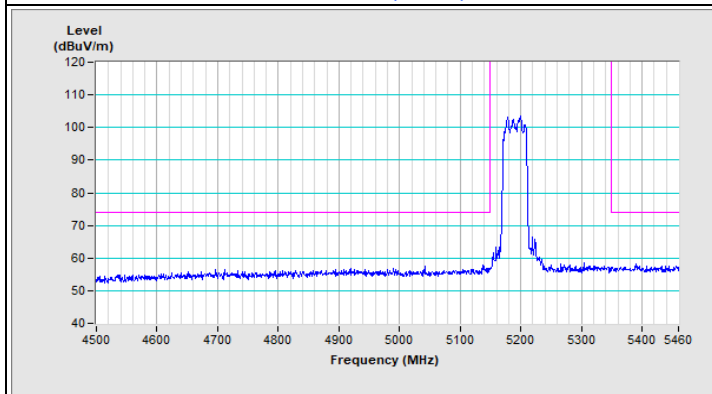
802.11ax (HE40) Channel 38



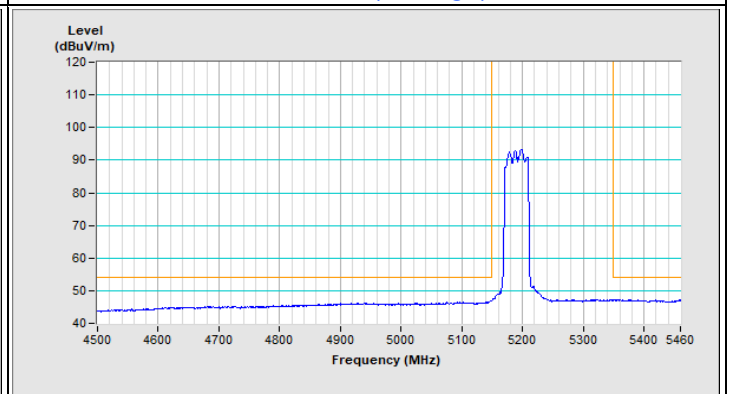
Horizontal (Peak)



Horizontal (Average)

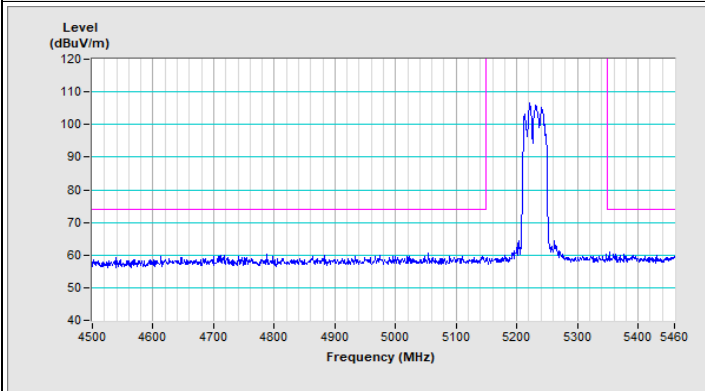


Vertical (Peak)

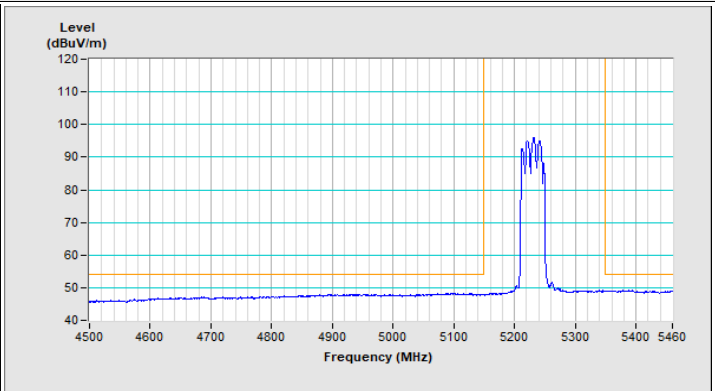


Vertical (Average)

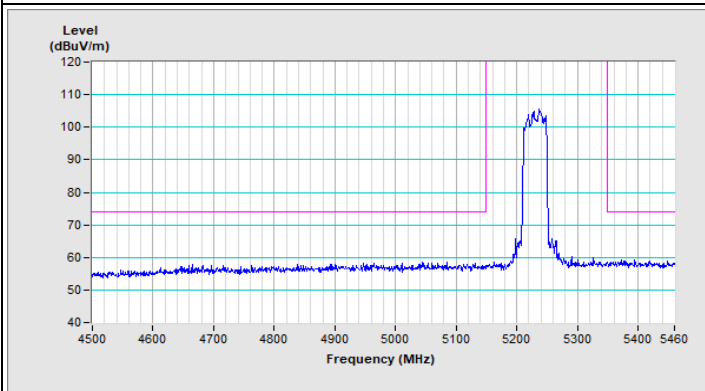
802.11ax (HE40) Channel 46



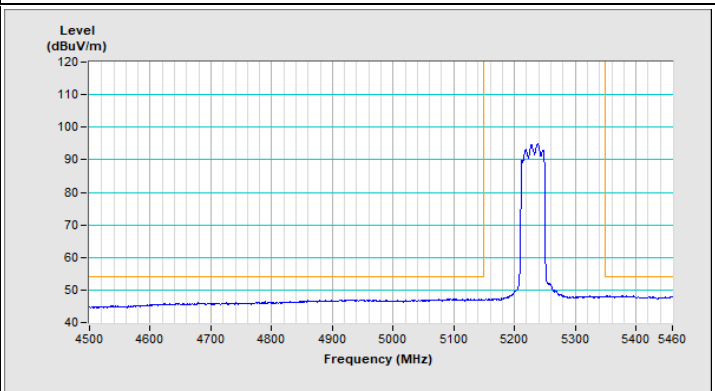
Horizontal (Peak)



Horizontal (Average)

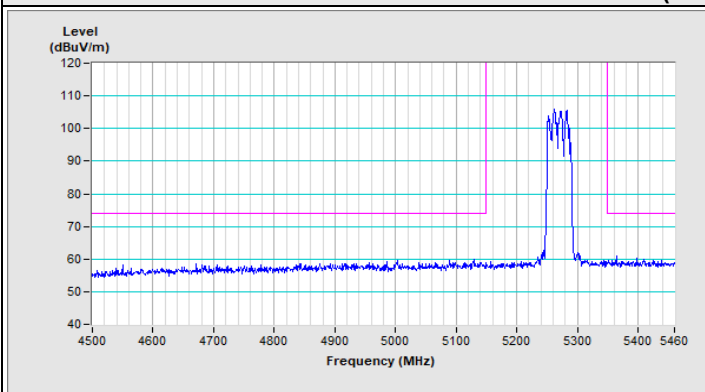


Vertical (Peak)

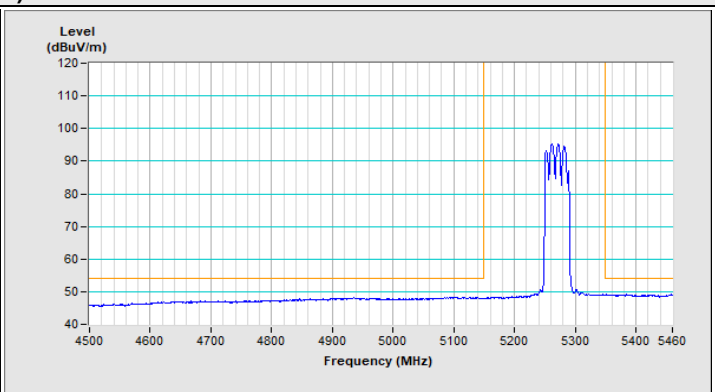


Vertical (Average)

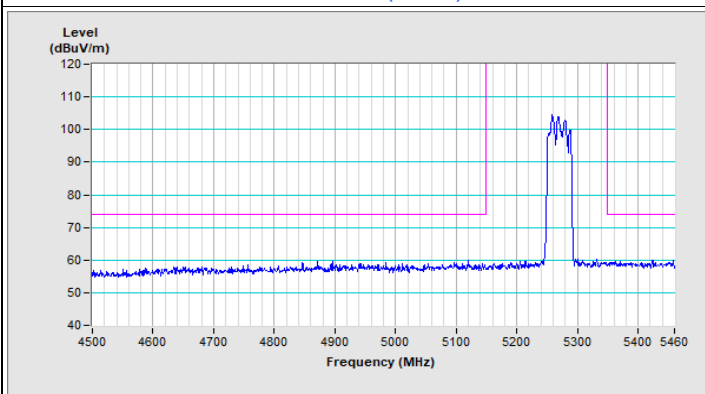
802.11ax (HE40) Channel 54



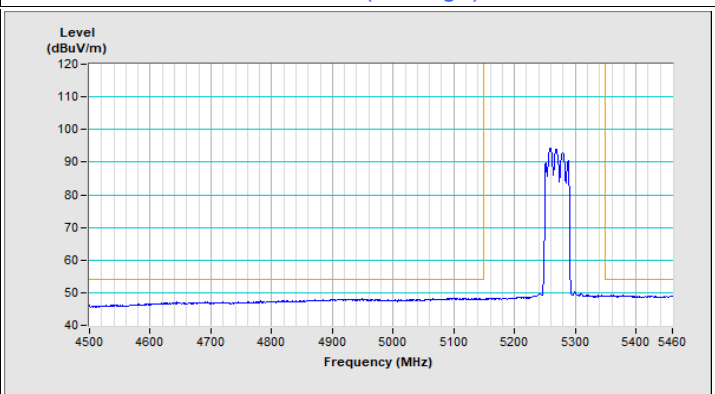
Horizontal (Peak)



Horizontal (Average)

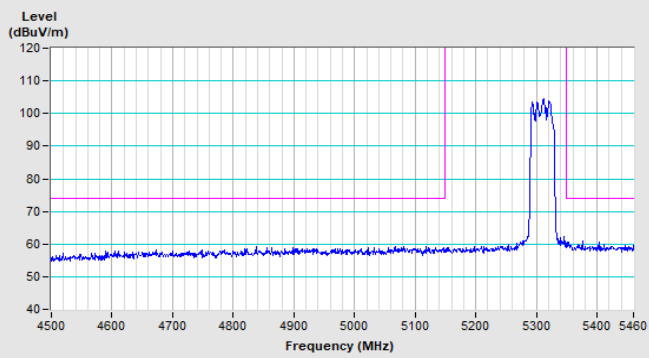


Vertical (Peak)

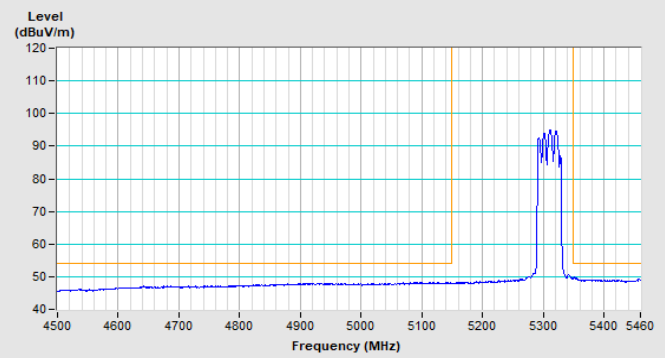


Vertical (Average)

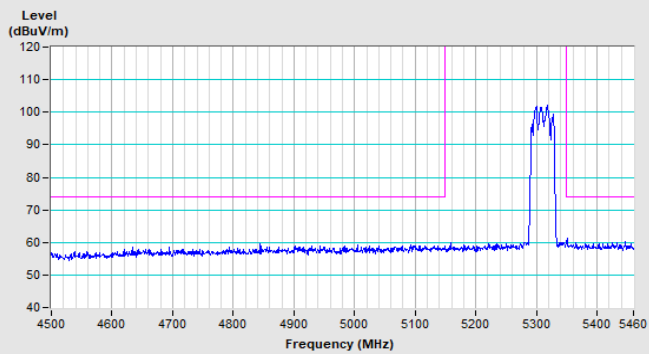
802.11ax (HE40) Channel 62



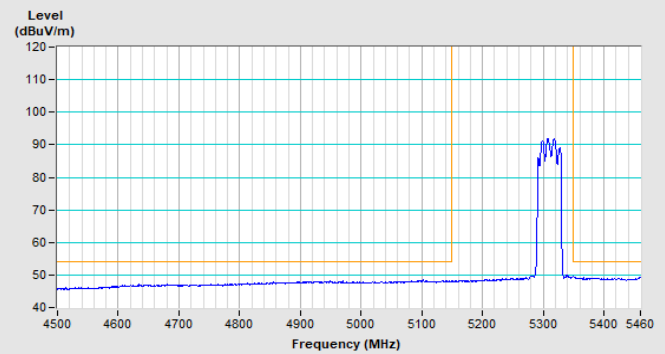
Horizontal (Peak)



Horizontal (Average)



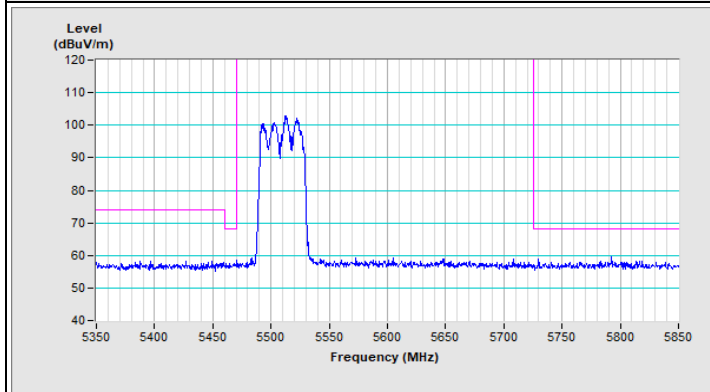
Vertical (Peak)



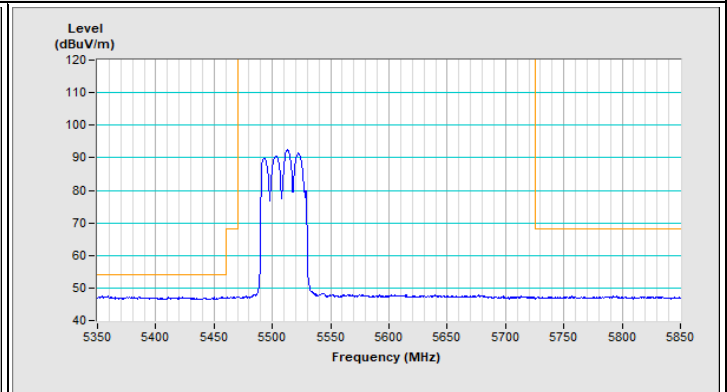
Vertical (Average)

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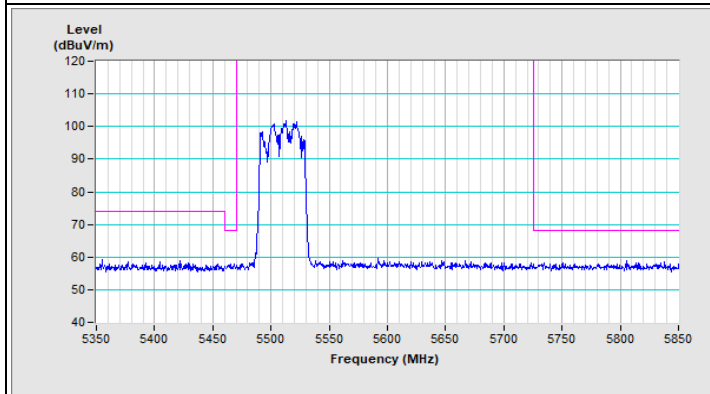
802.11ax (HE40) Channel 102



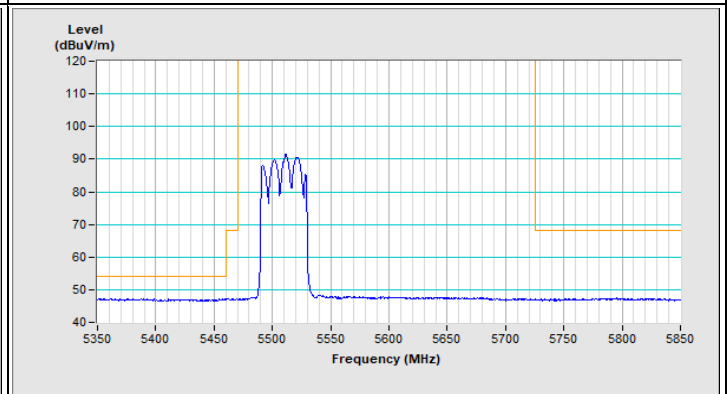
Horizontal (Peak)



Horizontal (Average)

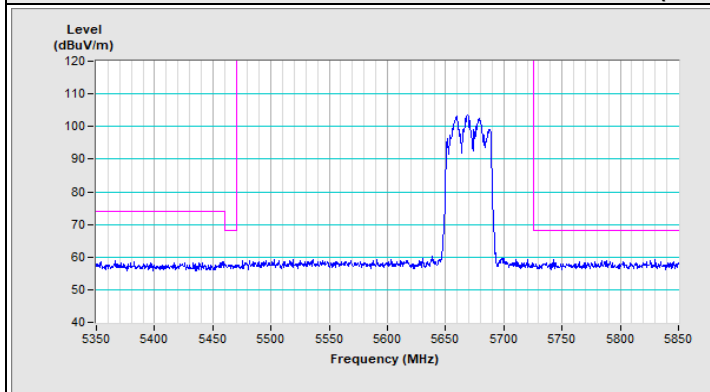


Vertical (Peak)

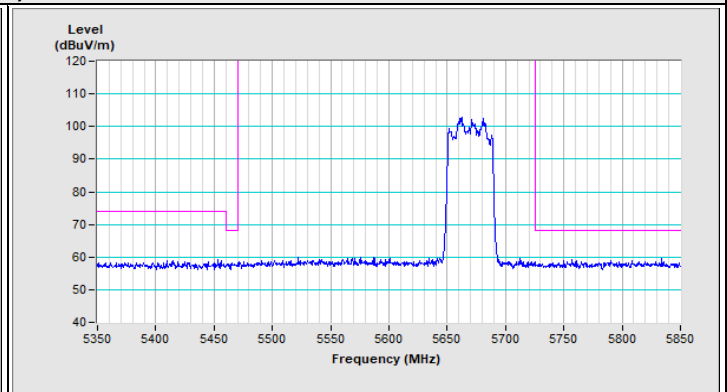


Vertical (Average)

802.11ax (HE40) Channel 134



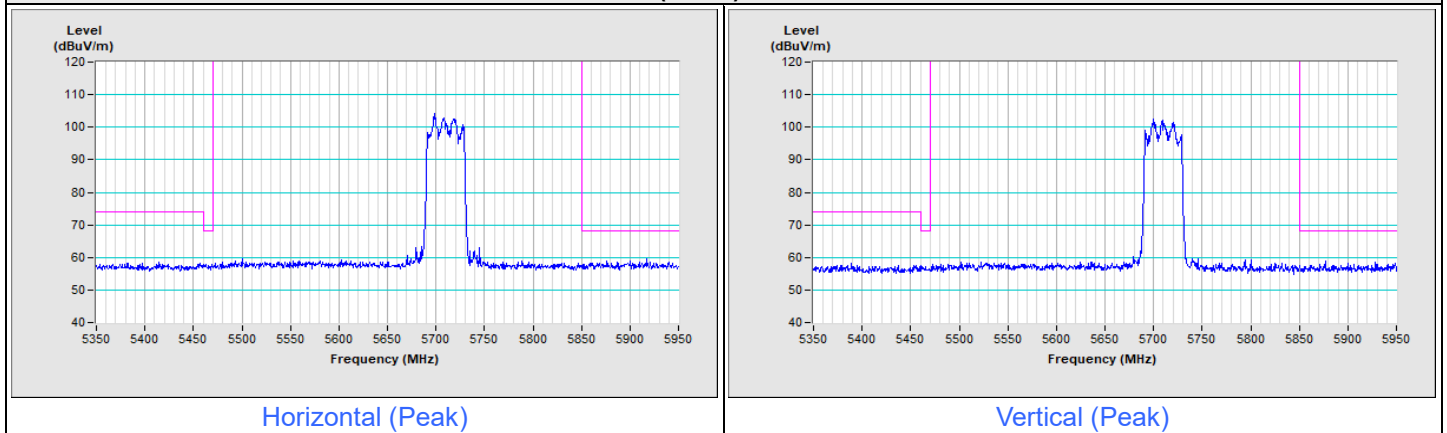
Horizontal (Peak)



Vertical (Peak)

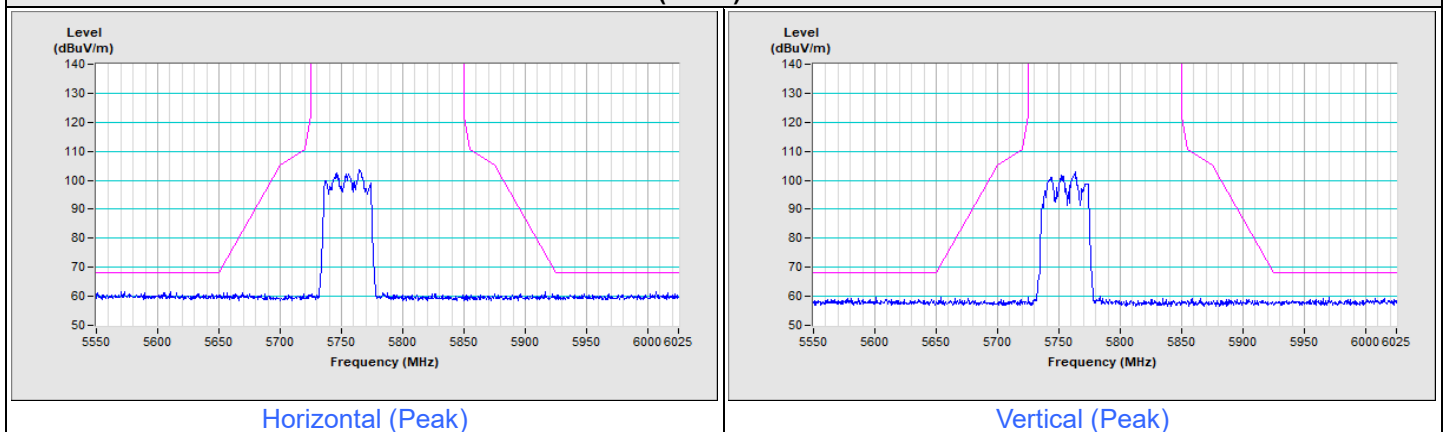
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 142

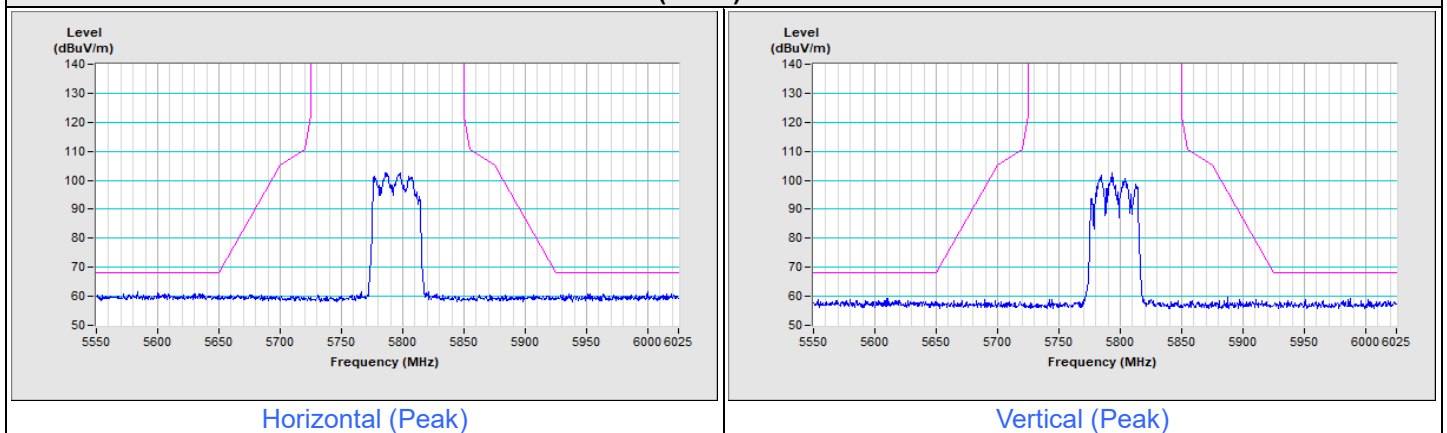


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

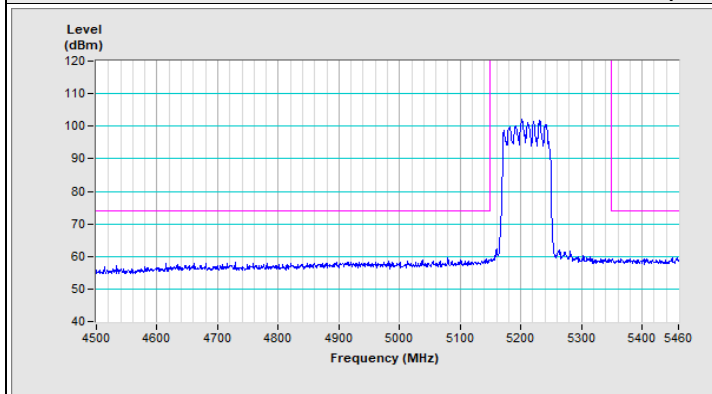


802.11ax (HE40) Channel 159

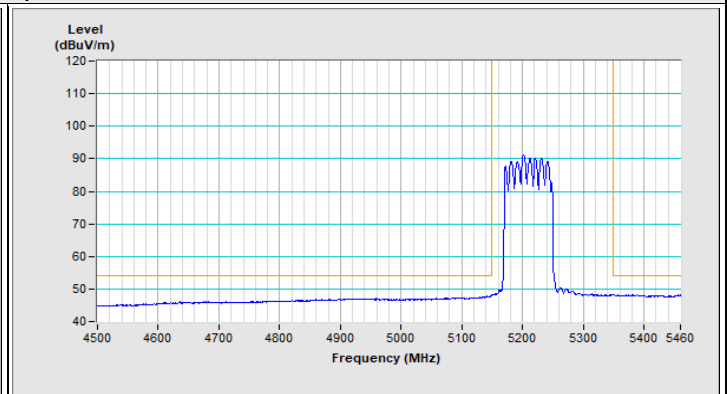


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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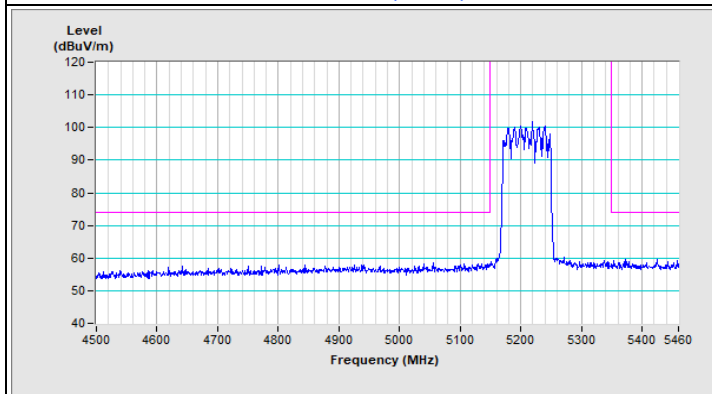
802.11ax (HE80) Channel 42



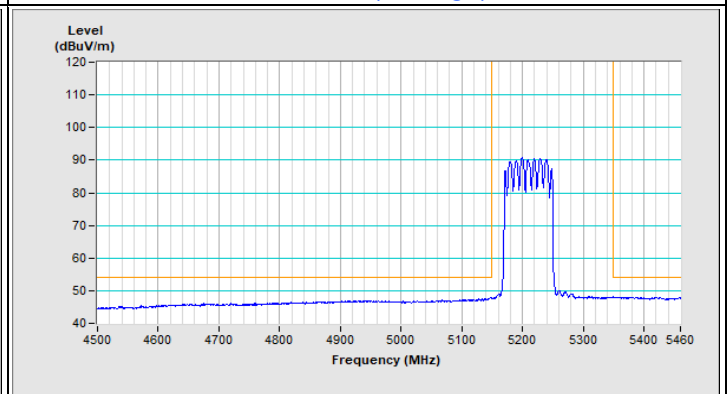
Horizontal (Peak)



Horizontal (Average)

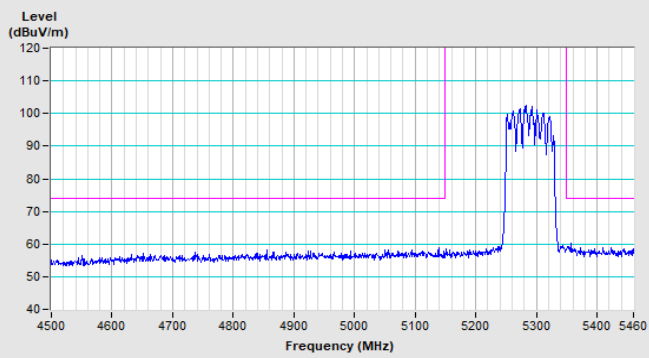


Vertical (Peak)

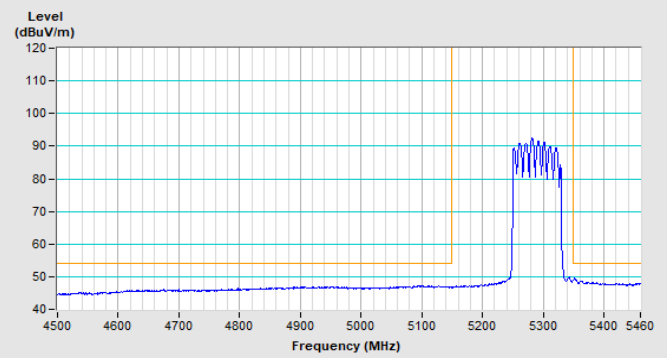


Vertical (Average)

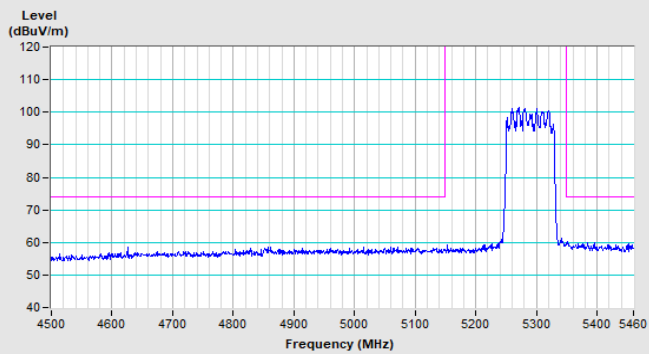
802.11ax (HE80) Channel 58



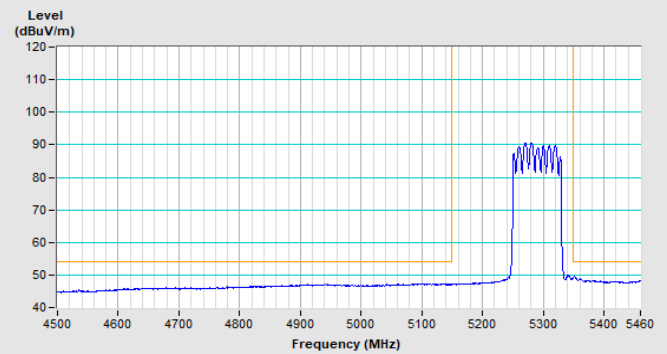
Horizontal (Peak)



Horizontal (Average)



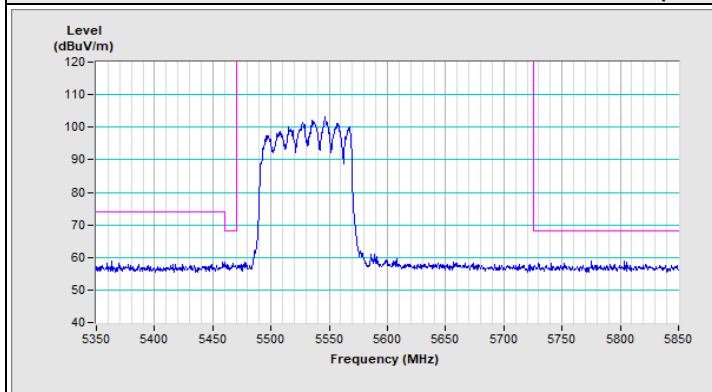
Vertical (Peak)



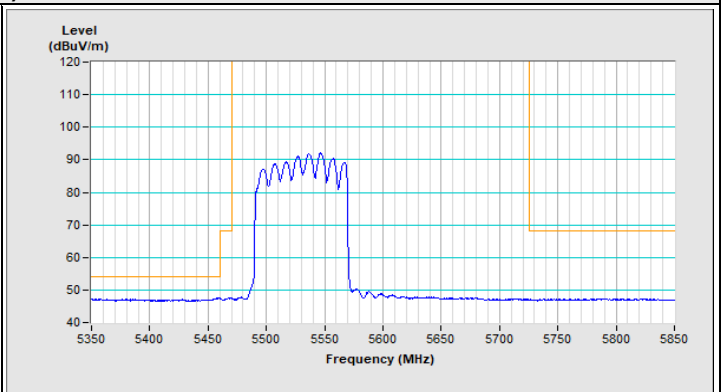
Vertical (Average)

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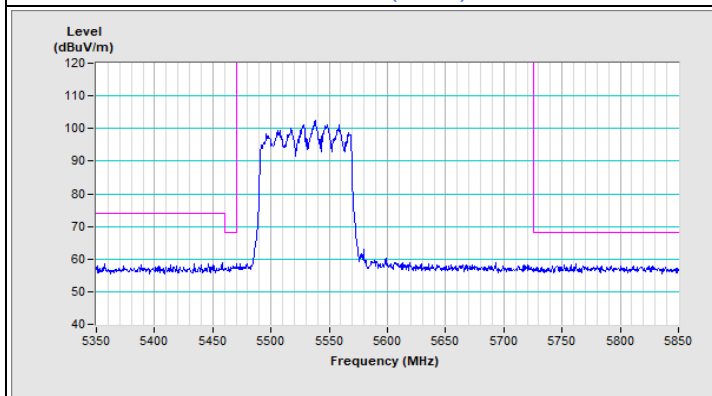
802.11ax (HE80) Channel 106



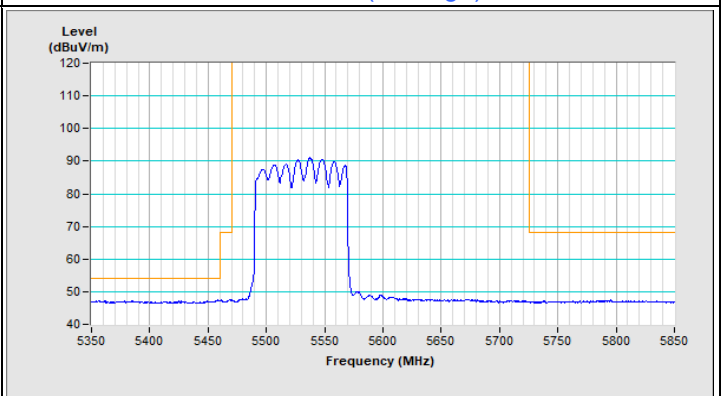
Horizontal (Peak)



Horizontal (Average)

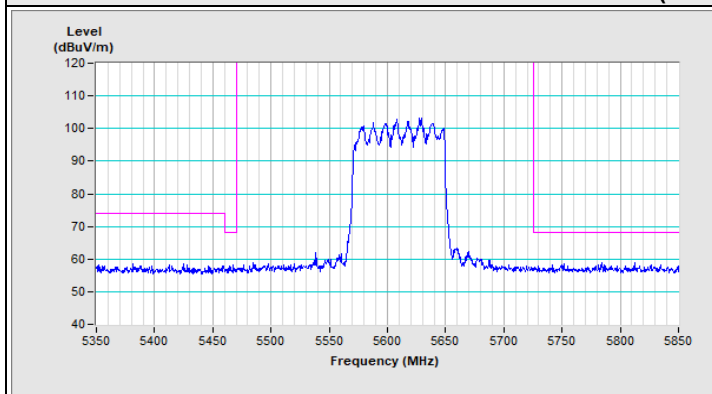


Vertical (Peak)

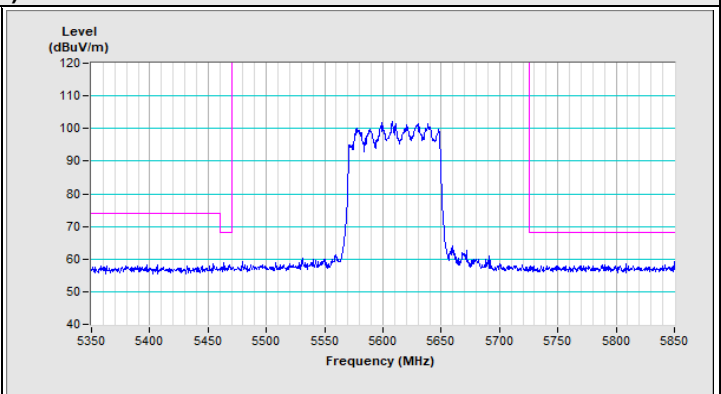


Vertical (Average)

802.11ax (HE80) Channel 122

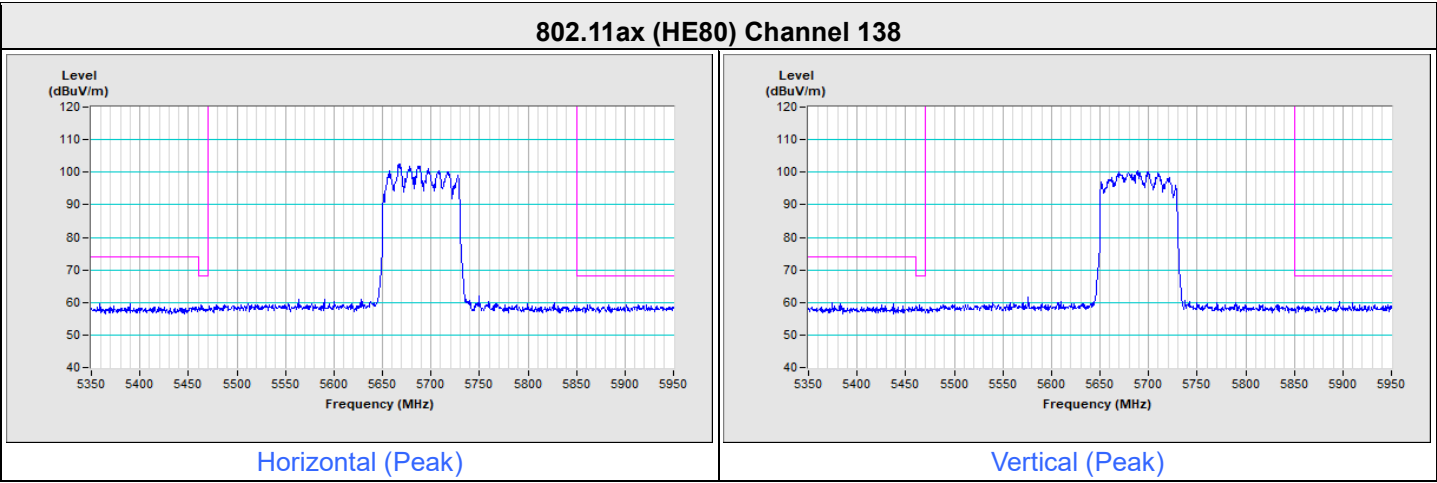


Horizontal (Peak)

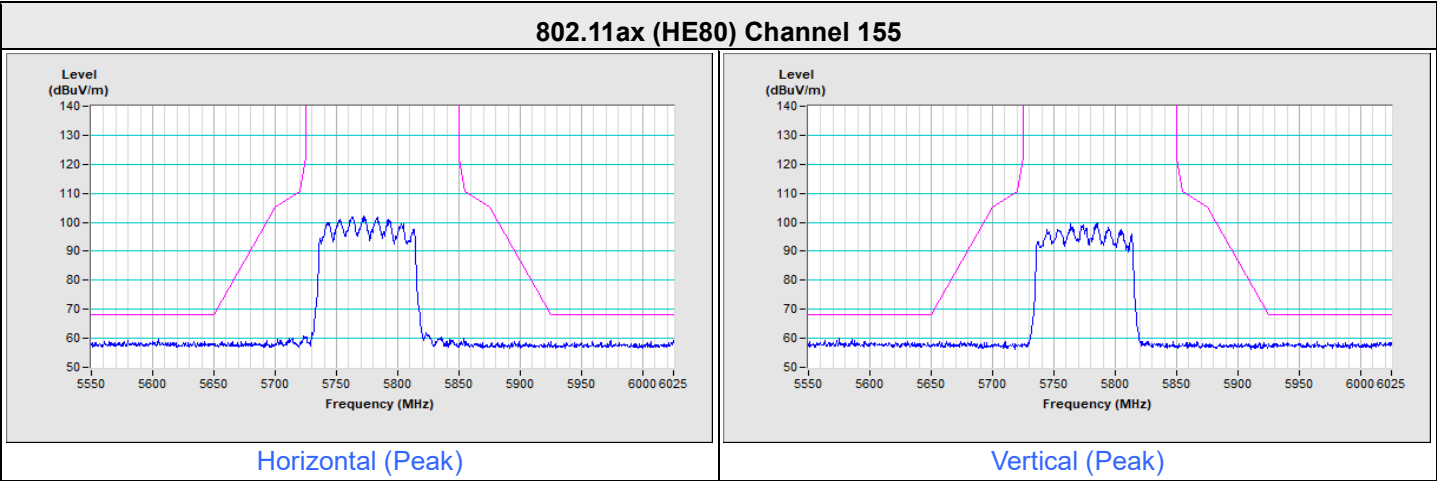


Vertical (Peak)

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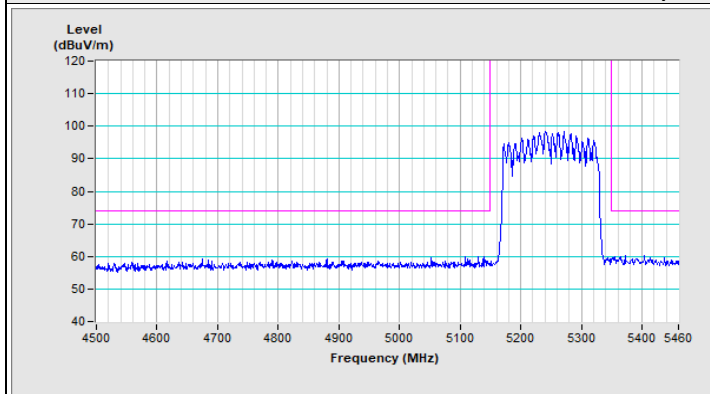


Frequency Range	5.55 GHz ~ 6.025 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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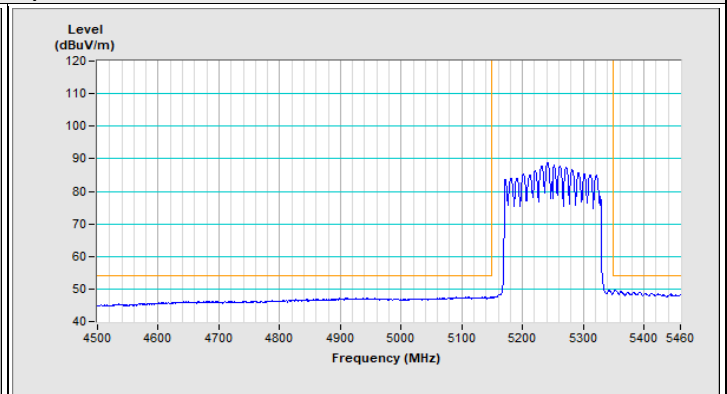


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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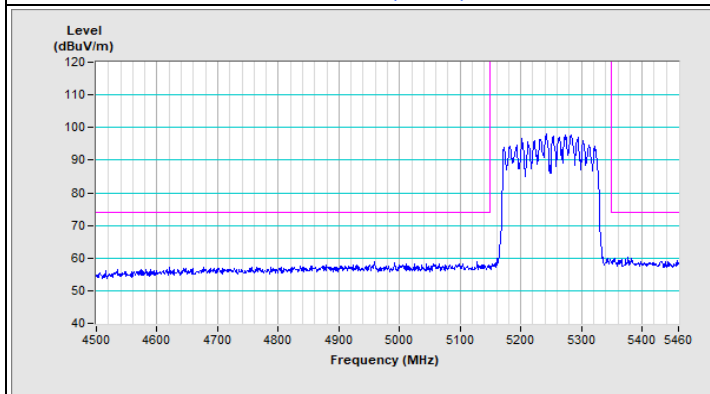
802.11ax (HE160) Channel 50



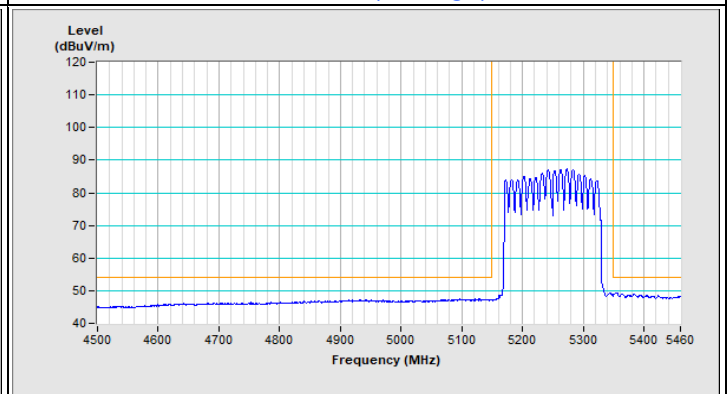
Horizontal (Peak)



Horizontal (Average)



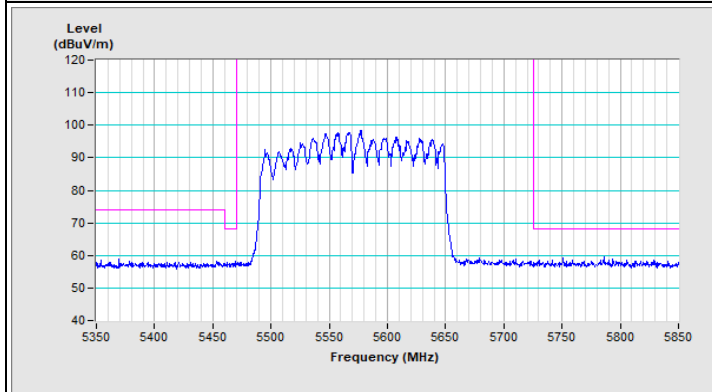
Vertical (Peak)



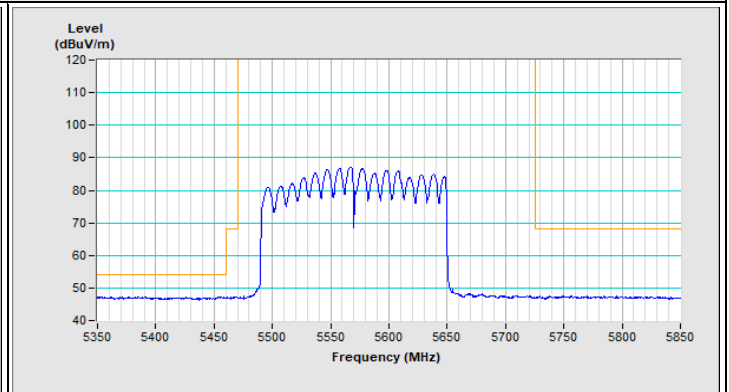
Vertical (Average)

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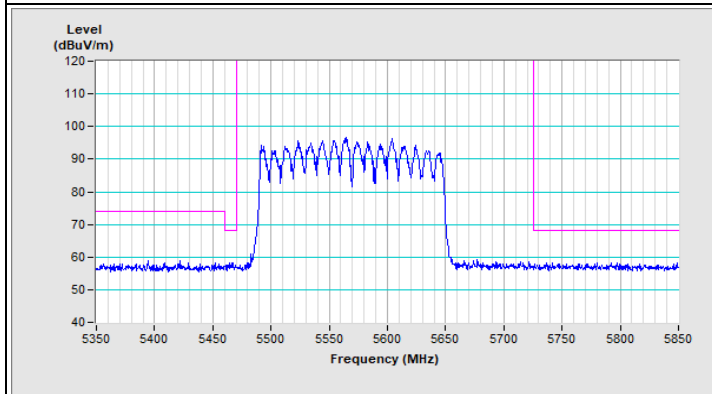
802.11ax (HE160) Channel 114



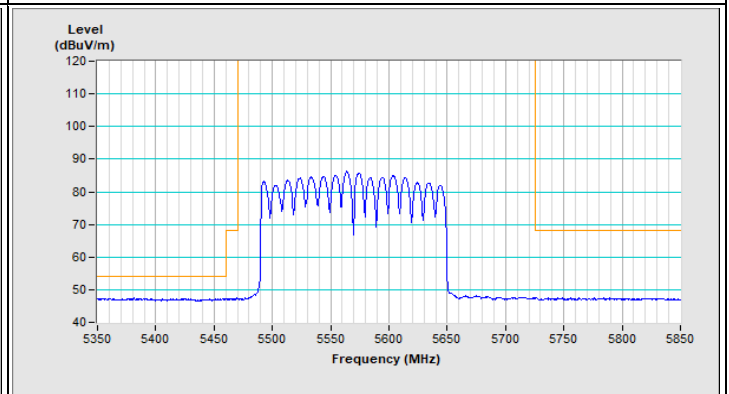
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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Email: service.adt@bureauveritas.com

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

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

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