TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBEQF-WTW-P22100397-1
FCC ID:	BEJNT-16T90R
Product:	Notebook Computer
Brand:	LG
Model No.:	16T90R, 16TD90R, 16TB90R, 16TG90R, 16T90R* (* can be 0 to 9 or A to Z or blank denoting buyer request)
Received Date:	2022/10/19
Test Date:	2022/10/24 ~ 2022/11/17
Issued Date:	2022/12/7
Applicant:	LG Electronics USA
Address:	111 Sylvan Avenue North Bulding Englewood Cliffs New Jerssy United States
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. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy . Lin , **Date:** 2022/12/7

Jeremy Lin / Project Engineer

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Prepared by : Celine Chou / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEQF-WTW-P22100397-1	Original release.	2022/12/7

1 Certificate

Product:	Notebook Computer
Brand:	LG
Model No.:	16T90R, 16TD90R, 16TB90R, 16TG90R, 16T90R* (* can be 0 to 9 or A to Z or blank denoting buyer request)
Sample Status:	Engineering sample
Applicant:	LG Electronics USA
Test Date:	2022/10/24 ~ 2022/11/17
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1/2/3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -4.90 dB at 0.16600 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.0 dB at 51.34 MHz
15.407(b) (1/2/3/4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -3.6 dB at 10520.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is I-PEX not a standard connector.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.79 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.60 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Notebook Computer
Brand	LG
Model No.	16T90R, 16TD90R, 16TB90R, 16TG90R, 16T90R* (* can be 0 to 9 or A to Z or blank denoting buyer request)
Status of EUT	Engineering sample
Power Supply Rating	7.74 Vdc (Battery) 5 Vdc / 9Vdc / 15Vdc / 20Vdc (Adapter)
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2402Mbps
Operating Frequency	5180 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz
Number of Channel	5180 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 8 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 4 802.11ac (VHT80), 802.11ax (HE80): 2 802.11ac (VHT160), 802.11ax (HE160): 1 5500 ~ 5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6 802.11ac (VHT80), 802.11ax (HE80): 3 802.11ac (VHT160), 802.11ax (HE160): 1 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1
Output Power	5180 ~ 5250MHz: 27.927 mW (14.46 dBm) 5250 ~ 5320MHz: 27.769 mW (14.44 dBm) 5500 ~ 5720MHz: 27.961 mW (14.47 dBm) 5745 ~ 5825MHz: 27.927 mW (14.46 dBm)
EUT Category	Client device

Note:

1. The following models are provided to this EUT. The model 16T90R was chosen for final test.

Brand	Model No.	Difference
LG	16T90R	For marketing purpose
	16TD90R	
	16TB90R	
	16TG90R	
	16T90R* (* can be 0 to 9 or A to Z or blank denoting buyer request)	

2. The EUT uses following accessories.

Product	Brand	Model	Description
Battery	LG	LBV7227E	7.74 Vdc, 80 Wh Typ. 10336 mAh
Adapter	LG	LP65WFC20P-NJ	I/P: 100-240 Vac, 50-60 Hz, 1.6 A O/P: (PDO) 5.0 Vdc, 3.0 A, 15.0 W or 9.0 Vdc, 3.0 A, 27.0 W or 15.0 Vdc, 3.0 A, 45.0 W or 20 Vdc, 3.25 A, 65 W (PPS) 5.0-20.0 Vdc, 3.25 A, Max 65.0 W
Type-C to Type-C Cable	Luxshare	L1LUC020-CS-H	2m/20V 5A/USB2.0/Black
Module	Intel	AX211D2W	-

3. The EUT support OFDMA and Partial RU mode, therefore partial RU combination were investigated and the worst case scenario was identified. (The worst case data were presented in section 3.4)
4. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

NB:

Ant. Type	Brand	Ant.	Model	Antenna Peak Gain (dBi)					Connector
				2400-2483.5 MHz	5150-5250 MHz	5250-5350 MHz	5470-5725 MHz	5725-5850 MHz	
PIFA	CHILISIN	Main	DQ600111500 (BTEA00111525GC1A01)	2.76	0.30	0.07	2.87	0.32	I-PEX
		Aux.	DQ600111500 (BTEA00111525GC1A01)	1.02	2.35	2.30	2.07	0.81	
	Pulse	Main	DQ602119000 (TZ21190)	2.96	0.57	0.57	3.22	0.84	I-PEX
		Aux.	DQ602119000 (TZ21190)	1.33	2.77	2.77	2.15	1.39	

Tablet:

Ant. Type	Brand	Ant.	Model	Antenna Peak Gain (dBi)					Connector
				2400-2483.5 MHz	5150-5250 MHz	5250-5350 MHz	5470-5725 MHz	5725-5850 MHz	
PIFA	CHILISIN	Main	DQ600111500 (BTEA00111525GC1A01)	2.04	1.84	1.53	0.69	0.50	I-PEX
		Aux.	DQ600111500 (BTEA00111525GC1A01)	1.64	1.02	0.78	1.73	1.62	
	Pulse	Main	DQ602119000 (TZ21190)	2.68	2.38	1.65	1.02	1.11	I-PEX
		Aux.	DQ602119000 (TZ21190)	2.42	1.34	1.14	2.38	2.06	

* The worst case (NB mode) with the largest antenna gain was chosen for final test.

* 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	1TX	1RX
802.11n (HT20)	2TX	1RX
802.11n (HT40)	2TX	1RX
802.11ac (VHT20)	2TX	1RX
802.11ac (VHT40)	2TX	1RX
802.11ac (VHT80)	2TX	1RX
802.11ac (VHT160)	2TX	1RX
802.11ax (HE20)	2TX	1RX
802.11ax (HE40)	2TX	1RX
802.11ax (HE80)	2TX	1RX
802.11ax (HE160)	2TX	1RX
Note: The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode and HE20/HE40 on 802.11ax mode. The bandwidth and modulation are similar for VHT80/VHT160 on 802.11ac mode and HE80/HE160 on 802.11ax mode. 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 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

Channel	Frequency
114	5570MHz

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	The EUT's antenna (PIFA) had been pre-tested on the positioned of NB mode and each 3 axis (X-axis/ Y-axis/ Z-axis) of Tablet Mode. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	Worst Condition: The worst case was found when positioned on NB mode.

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

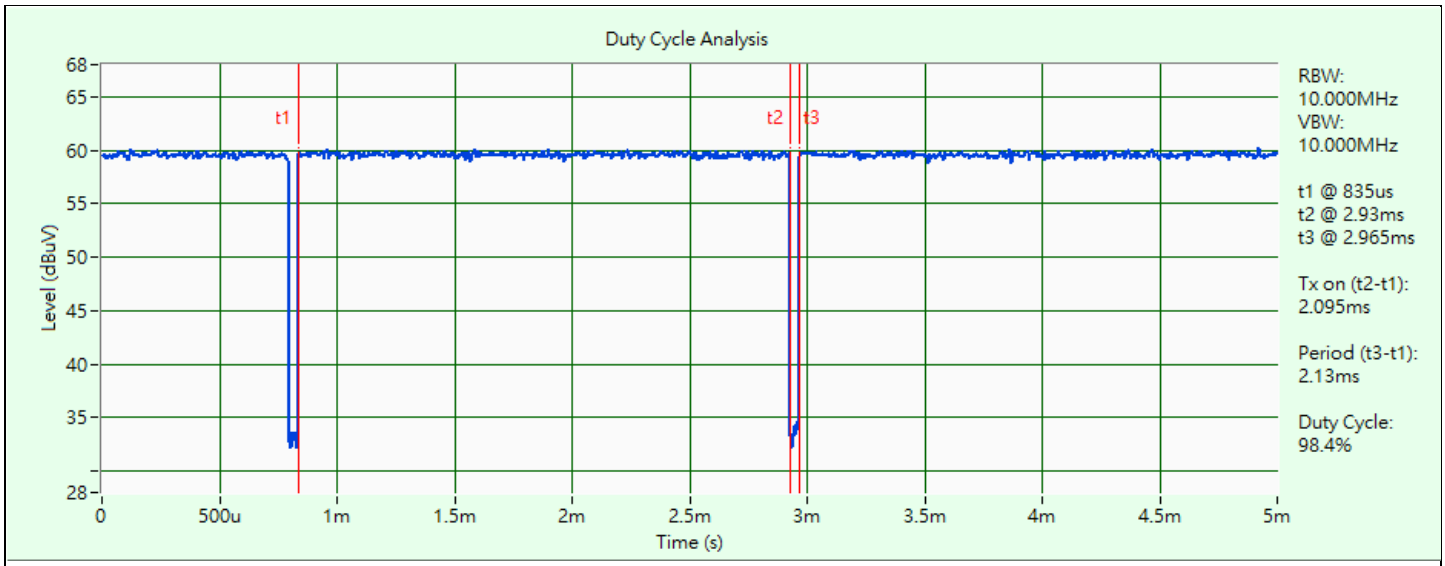
Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	58, 106, 122, 138	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
RF Output Power	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11n (HT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11n (HT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ac (VHT160)	50, 114	BPSK	MCS0
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU26)	36, 64, 100, 140, 149	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	36, 64, 100, 140, 149	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	36, 64, 100, 140, 149	BPSK	MCS0
	40 MHz Preamble 802.11ax (RU242)	38, 62, 102, 134, 151	BPSK	MCS0
	80 MHz Preamble 802.11ax (RU484)	42, 58, 106, 155	BPSK	MCS0
	160 MHz Preamble 802.11ax (RU996)	50, 114	BPSK	MCS0
	160 MHz Preamble 802.11ax (RU996/S67)	50, 114	BPSK	MCS0
Power Spectral Density	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU26)	36, 64, 100, 140, 149	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	36, 64, 100, 140, 149	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	36, 64, 100, 140, 149	BPSK	MCS0
	40 MHz Preamble 802.11ax (RU242)	38, 62, 102, 134, 151	BPSK	MCS0
	80 MHz Preamble 802.11ax (RU484)	42, 58, 106, 155	BPSK	MCS0
	160 MHz Preamble 802.11ax (RU996)	50, 114	BPSK	MCS0
	160 MHz Preamble 802.11ax (RU996/S67)	50, 114	BPSK	MCS0

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	802.11a	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	138, 155	BPSK	MCS0
Occupied Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
Frequency Stability	802.11a	36	un-modulation	-
AC Power Conducted Emissions	802.11ax (HE40)	38	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE40)	38	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU26)	36, 64, 100, 140, 149	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU52)	36, 64, 100, 140, 149	BPSK	MCS0
	20 MHz Preamble 802.11ax (RU106)	36, 64, 100, 140, 149	BPSK	MCS0
	40 MHz Preamble 802.11ax (RU242)	38, 62, 102, 134, 151	BPSK	MCS0
	80 MHz Preamble 802.11ax (RU484)	42, 58, 106, 155	BPSK	MCS0
	160 MHz Preamble 802.11ax (RU996)	50, 114	BPSK	MCS0
	160 MHz Preamble 802.11ax (RU996/S67)	50, 114	BPSK	MCS0

3.5 Duty Cycle of Test Signal

1TX_Chain 0

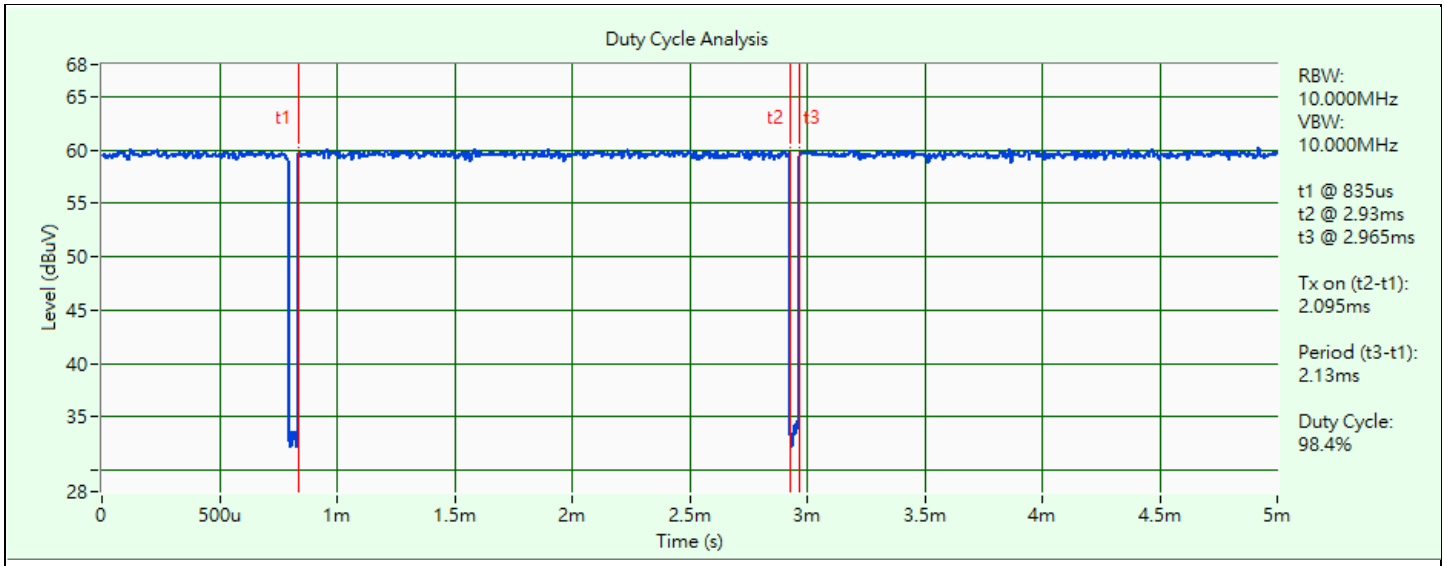
802.11a: Duty cycle = 2.095 ms / 2.13 ms x 100% = 98.4%



802.11a

1TX_Chain 1

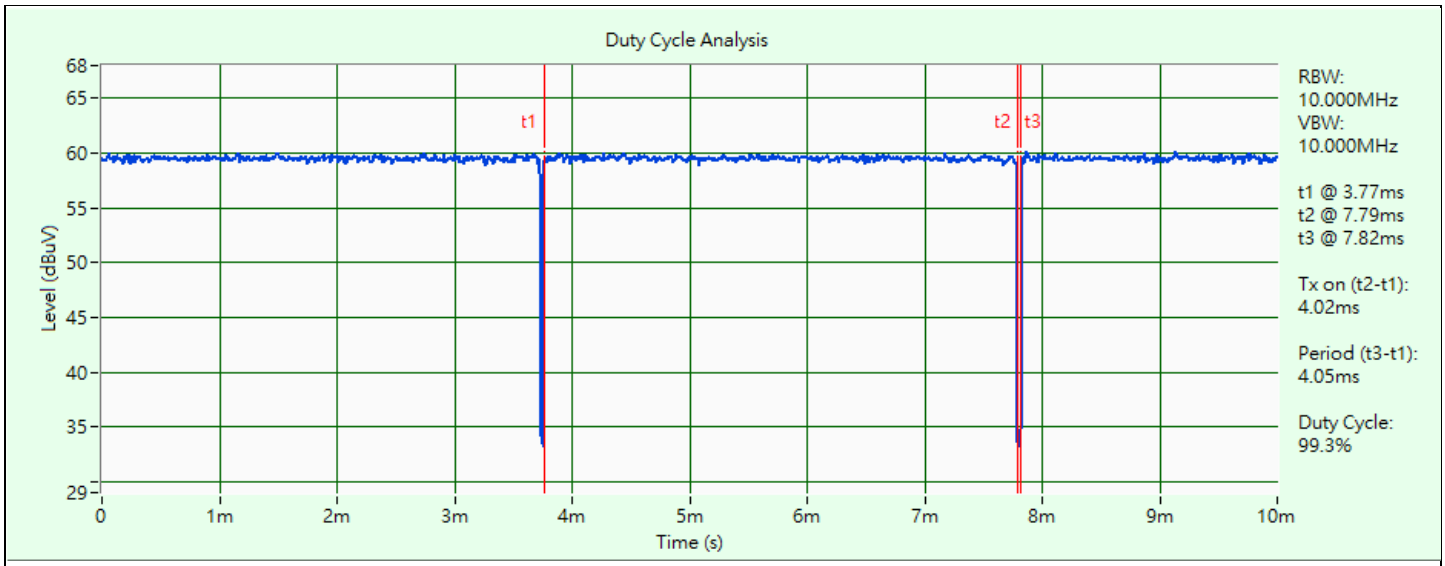
802.11a: Duty cycle = 2.095 ms / 2.13 ms x 100% = 98.4%



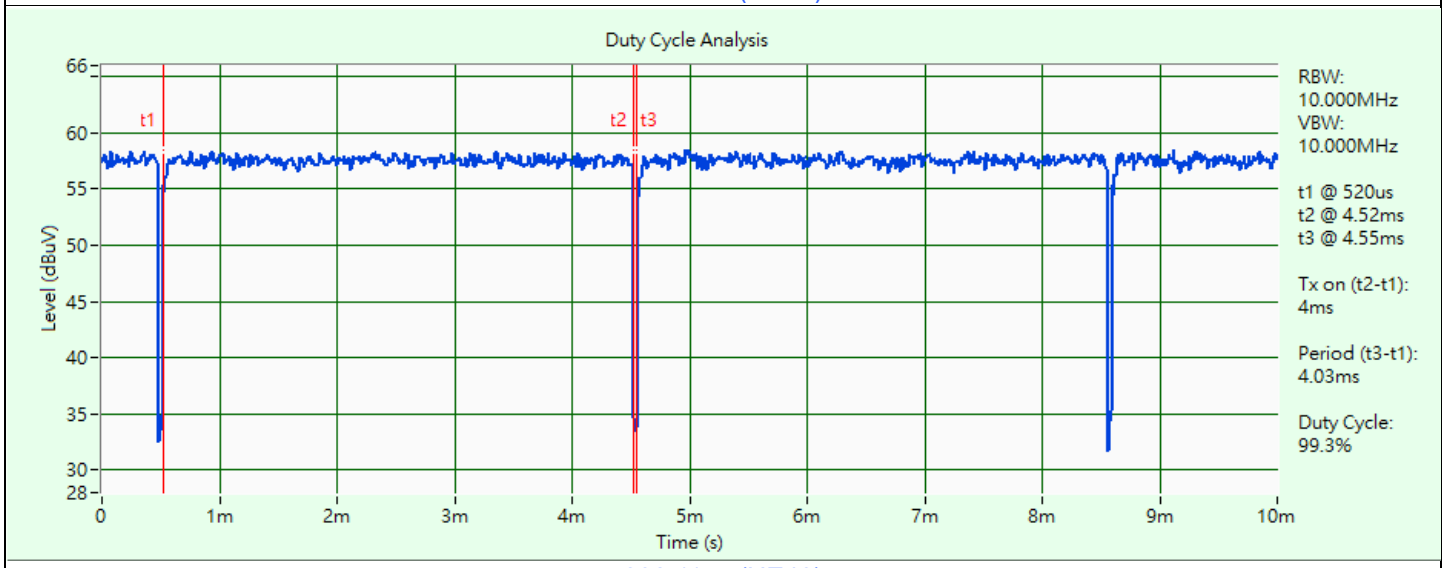
802.11a

2TX

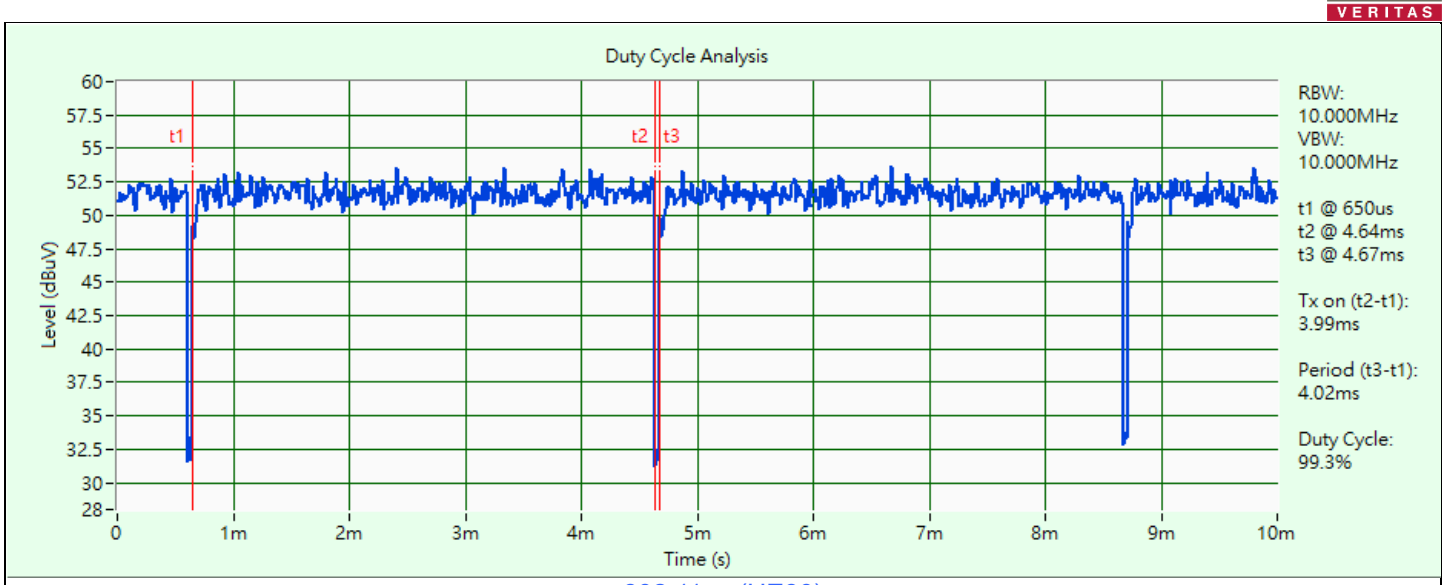
802.11ax (HE20): Duty cycle = 4.02 ms / 4.05 ms x 100% = 99.3%
802.11ax (HE40): Duty cycle = 4 ms / 4.03 ms x 100% = 99.3%
802.11ax (HE80): Duty cycle = 3.99 ms / 4.02 ms x 100% = 99.3%
802.11ax (HE160): Duty cycle = 4 ms / 4.02 ms x 100% = 99.5%



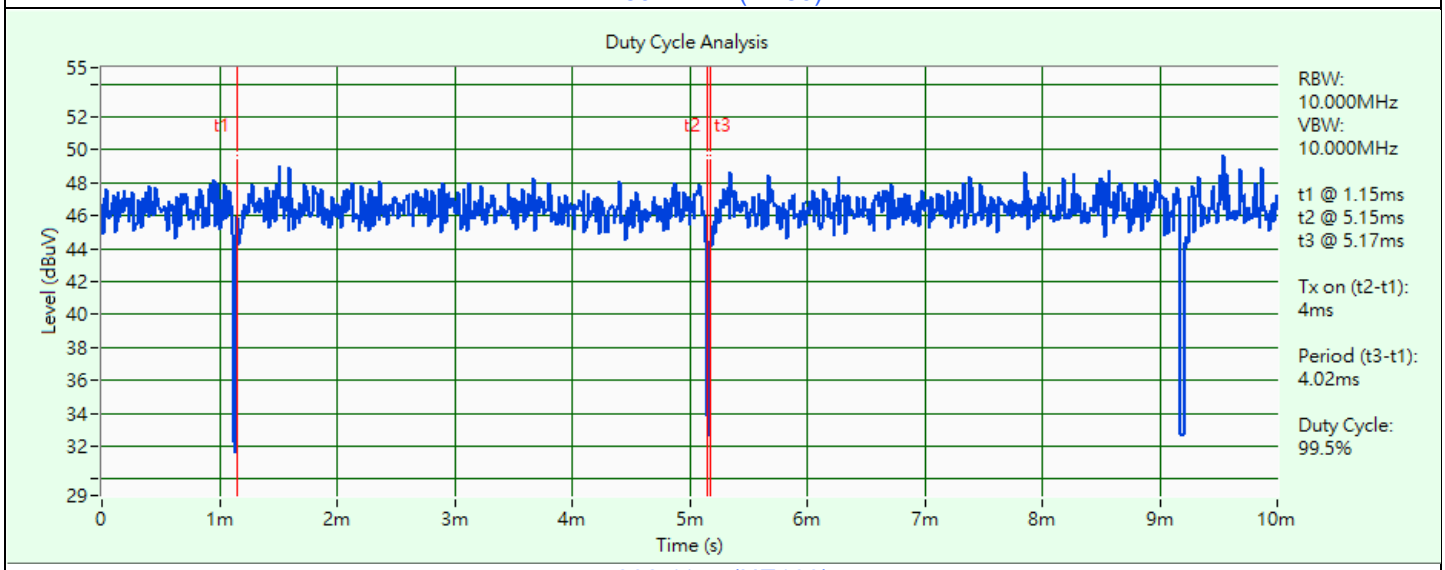
802.11ax (HE20)



802.11ax (HE40)



802.11ax (HE80)

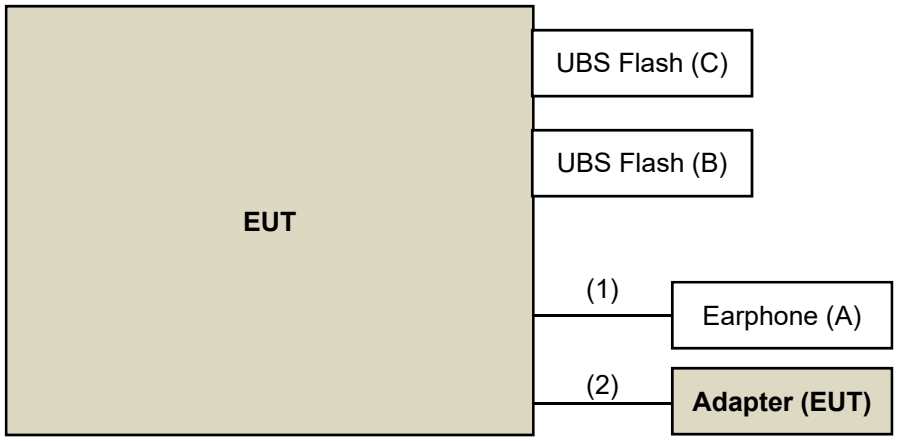


802.11ax (HE160)

3.6 Test Program Used and Operation Descriptions

Controlling software DRTU.02297.22.160.0 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Earphone	APPLE	MB77PFEB	N/A	N/A	Provided by Lab
B	USB Flash	Sandisk	SDDDC3-032G	N/A	N/A	Provided by Lab
C	USB Flash	Sandisk	SDDDC3-032G	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Earphone	1	1.8	N	0	Provided by Lab
2	Type-C to Type-C Cable	1	2.0	Y	0	Accessory of EUT

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
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/11/17

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer KEYSIGHT	8990B	MY51000485	2022/1/18	2023/1/17
Power sensor Keysight	U2021XA	MY55380009	2022/3/23	2023/3/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24
Wideband Power Sensor(N1923A) KEYSIGHT	N1923A	MY58020002	2022/1/17	2023/1/16

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/11/17

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Source ExTech	CFW-105	E000603	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/1/3	2023/1/2

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2022/11/17

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC-LISN SCHWARZBECK MESS-ELETRONIK	NNBM 8126G	8126G-069	2021/11/10	2022/11/9
LISN R&S	ESH2-Z5	100100	2022/2/17	2023/2/16
LISN Schwarzbeck	NNLK 8121	8121-731	2022/5/26	2023/5/25
RF Coaxial Cable WORKEN	5D-FB	Cable-cond2-01	2022/9/3	2023/9/2
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
Temperature&Humidity Meter Lufft	5098.00	Lf11015	2022/1/7	2023/1/6
Test Receiver R&S	ESR3	102783	2021/12/20	2022/12/19
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2022/8/31	2023/8/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2022/10/28

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarbeck	VULB9168	9168-160	2022/10/20	2023/10/19
Loop Antenna EMCI	EM-6879	269	2022/9/19	2023/9/18
Loop Antenna TESEQ	HLA 6121	45745	2022/7/27	2023/7/26
Pre-amplifier EMCI	EMC001340	980201	2022/9/23	2023/9/22
Preamplifier Agilent	8447D	2944A10638	2022/5/14	2023/5/13
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2022/1/15	2023/1/14
RF Coaxial Cable WOKEN	8D-FB	Cable-CH9-01	2022/5/14	2023/5/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101867	2022/1/7	2023/1/6
Test Receiver KEYSIGHT	N9038A	MY55420137	2022/4/27	2023/4/26
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2022/10/28

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower &Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	9120D	9120D-1169	2021/11/14	2022/11/13
	BBHA 9170	9170-480	2021/11/14	2022/11/13
		BBHA9170241	2021/10/26	2022/10/25
		BBHA9170243	2021/11/14	2022/11/13
Pre-Ammlifier EMCI	EMC 184045	980116	2022/10/1	2023/9/30
Preamplifier Agilent	8449B	3008A02367	2022/2/16	2023/2/15
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2022/7/9	2023/7/8
	EMC102-KM-KM-3000	150929	2022/7/9	2023/7/8
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2022/1/15	2023/1/14
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2022/1/15	2023/1/14
RF FLITER MICRO-TRONICS	BRM17690	004	2022/1/10	2023/1/9
	BRM50716	060	2022/1/10	2023/1/9
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Spectrum Analyzer R&S	FSW43	101867	2022/1/7	2023/1/6
Test Receiver KEYSIGHT	N9038A	MY55420137	2022/4/27	2023/4/26
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2022/10/24 ~ 2022/10/28

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≦ 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	250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

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

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

<table>
<tr><th colspan="2">Applicable To</th><th colspan="2">Limit</th></tr>
<tr><td colspan="2" rowspan="2">789033 D02 General UNII Test Procedure New Rules v02r01</td><td colspan="2">Field Strength at 3 m</td></tr>
<tr><td>PK: 74 (dBµV/m)</td><td>AV: 54 (dBµV/m)</td></tr>
<tr><td>Frequency Band</td><td>Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3 m</td></tr>
<tr><td>5150~5250 MHz</td><td>15.407(b)(1)</td><td rowspan="3">PK: -27 (dBm/MHz)</td><td rowspan="3">PK: 68.2 (dBµV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td>15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td>15.407(b)(3)</td></tr>
<tr><td>5725~5850 MHz</td><td>15.407(b)(4)(i)</td><td>PK: -27 (dBm/MHz) *1
PK: 10 (dBm/MHz) *2
PK: 15.6 (dBm/MHz) *3
PK: 27 (dBm/MHz) *4</td><td>PK: 68.2 (dBµV/m) *1
PK: 105.2 (dBµV/m) *2
PK: 110.8 (dBµV/m) *3
PK: 122.2 (dBµV/m) *4</td></tr>
<tr><td colspan="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.</td></tr>
</table>

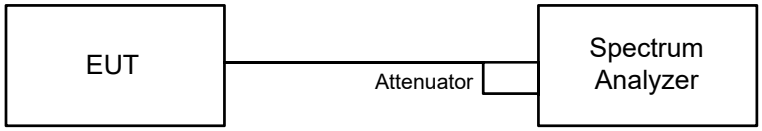
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup



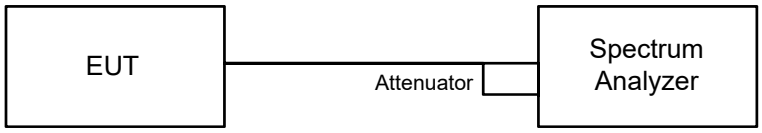
6.1.2 Test Procedure

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

6.2 RF Output Power

6.2.1 Test Setup

For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

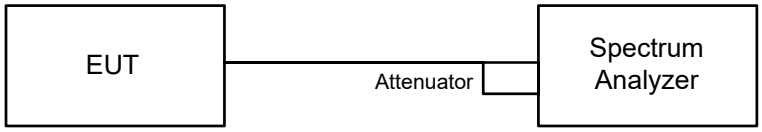
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

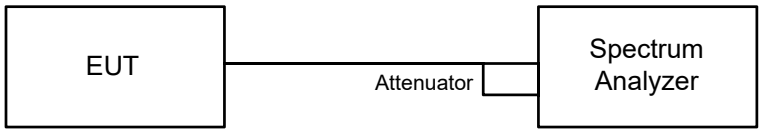
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger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

For specified measurement bandwidth 500 kHz:
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. 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 BWCF = 10log(500 kHz/300 kHz)
d. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

6.4 6 dB Bandwidth

6.4.1 Test Setup

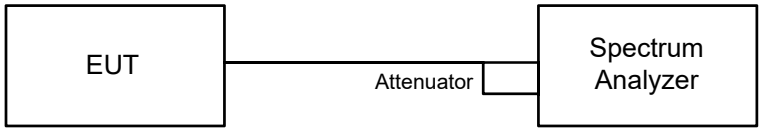


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

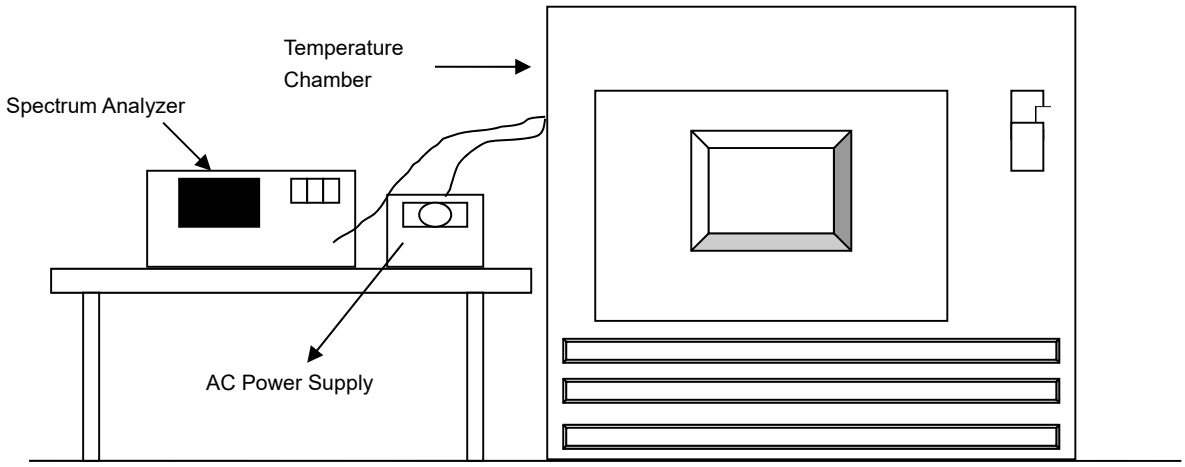


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

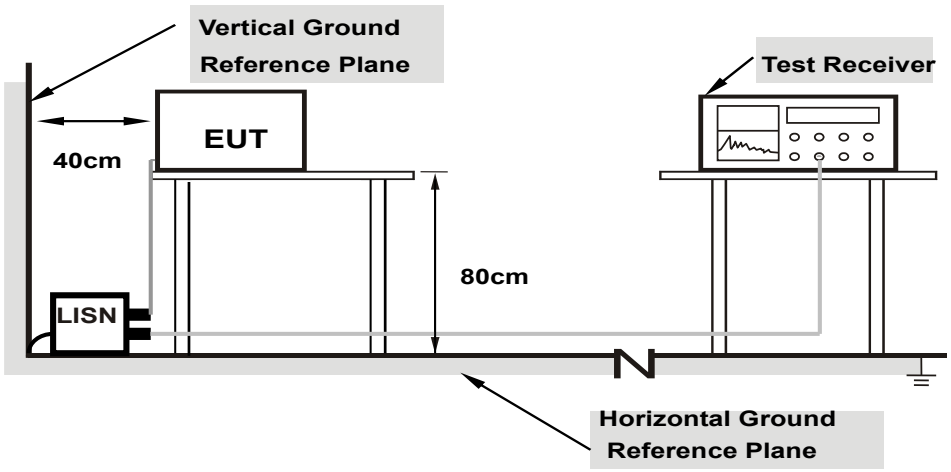


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

a. 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.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

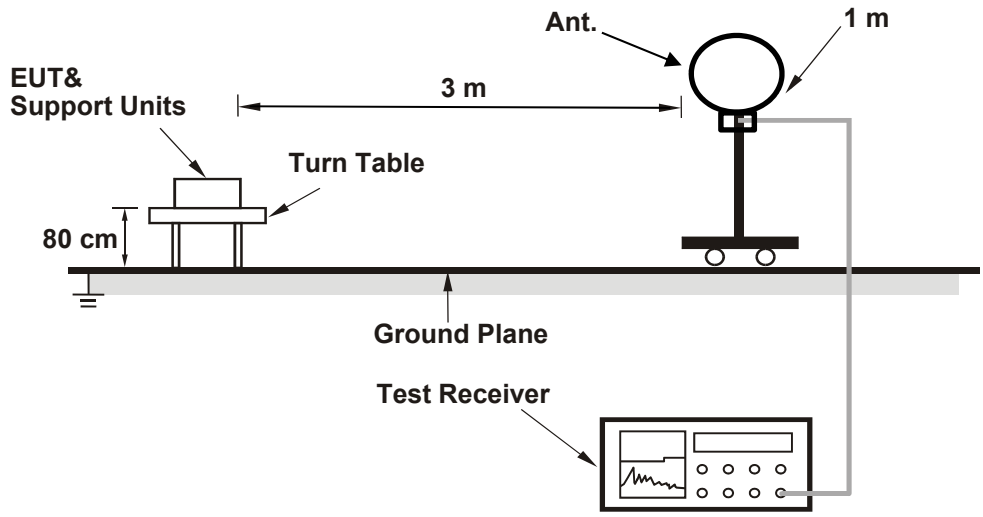
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

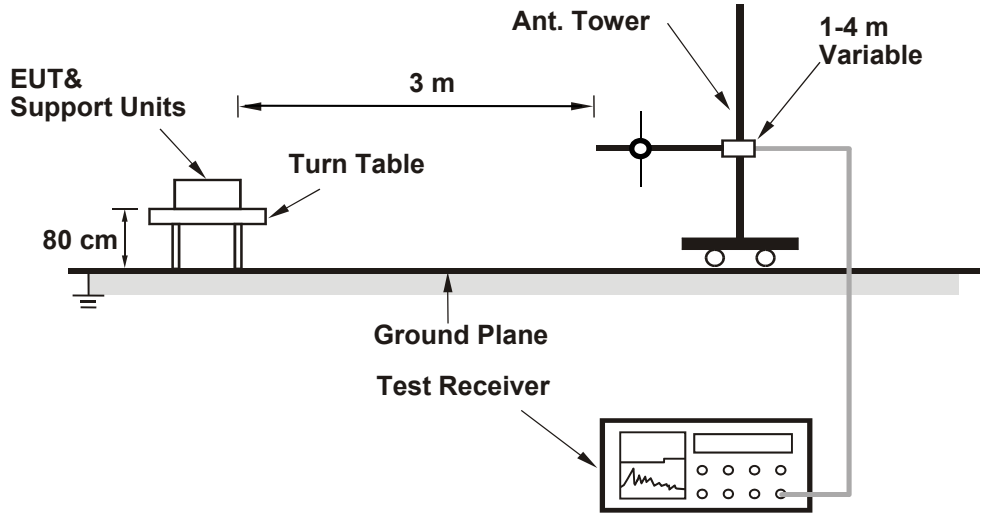
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

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

For Radiated emission above 30 MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

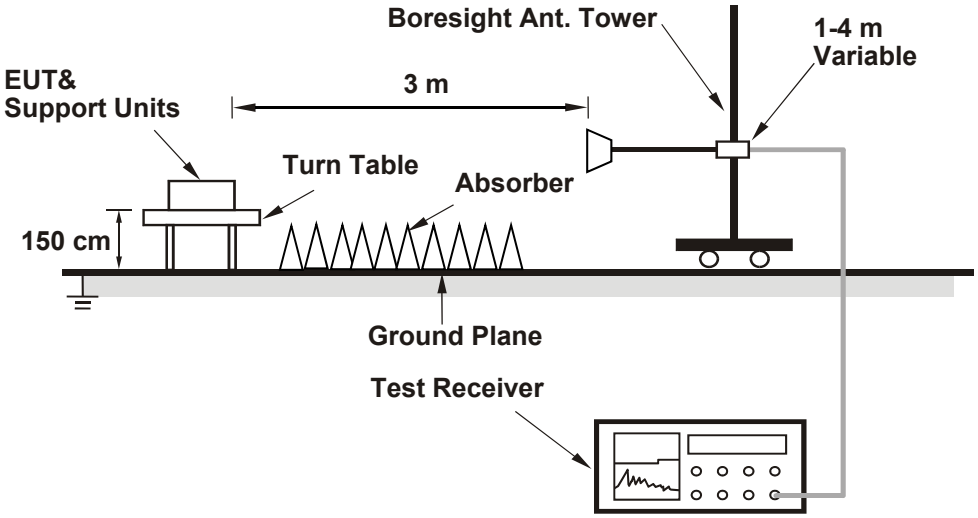
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

a. 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.

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 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:

1. 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.
2. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10 Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1 GHz.
3. 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, 60% RH	Tested By:	Gary Lin

1TX_Chain 0

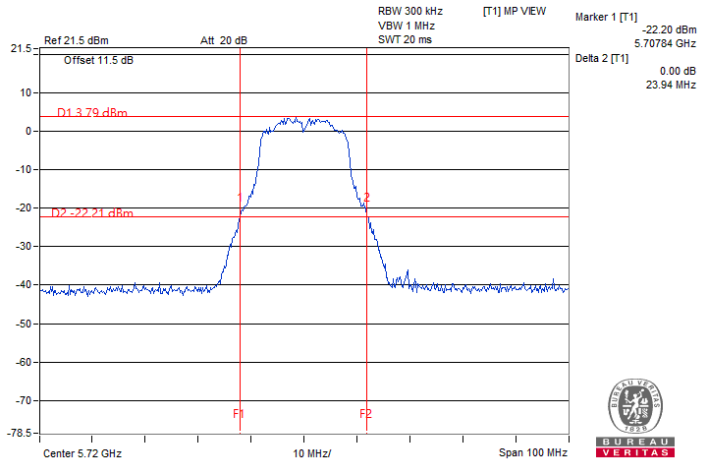
802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	24.56
60	5300	24.65
64	5320	24.35
100	5500	24.45
116	5580	24.69
140	5700	24.56
144 (U-NII-2C)	5720	17.16
144 (U-NII-3)	5720	6.78

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	24.56	24.9	>	24
60	5300	24.65	24.91	>	24
64	5320	24.35	24.86	>	24
100	5500	24.45	24.88	>	24
116	5580	24.69	24.92	>	24
140	5700	24.56	24.9	>	24
144 (U-NII-2C)	5720	17.16	23.34	<	24

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

Spectrum Plot of Minimum Value



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

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

1TX_Chain 1

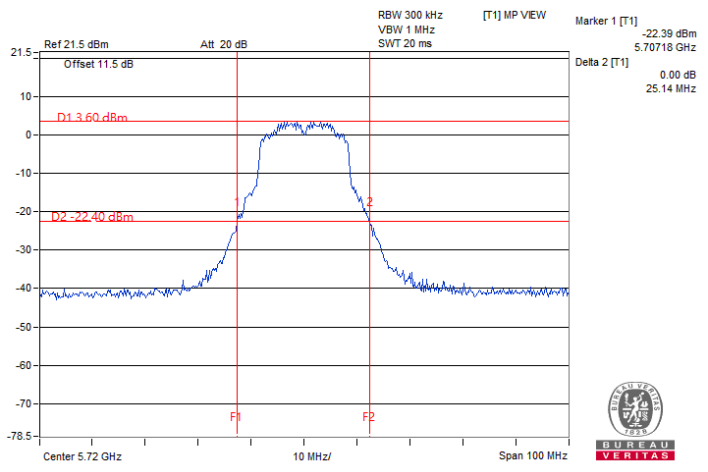
802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
52	5260	24.31
60	5300	24.59
64	5320	24.22
100	5500	24.42
116	5580	24.06
140	5700	24.05
144 (U-NII-2C)	5720	17.82
144 (U-NII-3)	5720	7.32

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	24.31	24.85	>	24
60	5300	24.59	24.9	>	24
64	5320	24.22	24.84	>	24
100	5500	24.42	24.87	>	24
116	5580	24.06	24.81	>	24
140	5700	24.05	24.81	>	24
144 (U-NII-2C)	5720	17.82	23.5	<	24

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

Spectrum Plot of Minimum Value



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

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

2TX

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	24.05	24.05
60	5300	23.82	25.82
64	5320	24.35	24.55
100	5500	24.25	23.99
116	5580	24.11	23.80
140	5700	24.50	24.08
144 (U-NII-2C)	5720	17.14	17.32
144 (U-NII-3)	5720	7.20	7.40

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	24.05	24.81	>	24
60	5300	23.82	24.76	>	24
64	5320	24.35	24.86	>	24
100	5500	23.99	24.8	>	24
116	5580	23.80	24.76	>	24
140	5700	24.08	24.81	>	24
144 (U-NII-2C)	5720	17.14	23.34	<	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	43.73	43.21
62	5310	43.87	43.53
102	5510	43.56	43.42
110	5550	43.60	43.95
134	5670	42.95	44.05
142 (U-NII-2C)	5710	36.60	37.17
142 (U-NII-3)	5710	7.04	7.13

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	43.21	27.35	>	24
62	5310	43.53	27.38	>	24
102	5510	43.42	27.37	>	24
110	5550	43.60	27.39	>	24
134	5670	42.95	27.32	>	24
142 (U-NII-2C)	5710	36.60	26.63	>	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	84.38	84.47
106	5530	84.42	84.14
122	5610	83.94	84.46
138 (U-NII-2C)	5690	77.00	77.06
138 (U-NII-3)	5690	7.15	7.38

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	84.38	30.26	>	24
106	5530	84.14	30.25	>	24
122	5610	83.94	30.23	>	24
138 (U-NII-2C)	5690	77.00	29.86	>	24

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

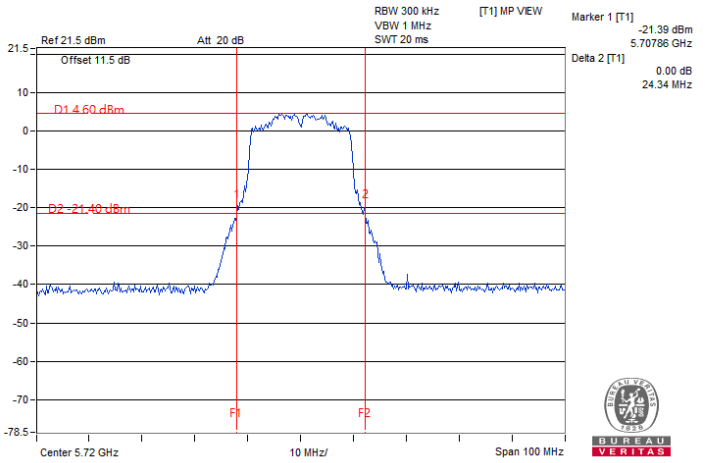
802.11ax (HE160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	83.71	83.91
50 (U-NII-2A)	5250	83.31	83.79
114	5570	168.05	167.46

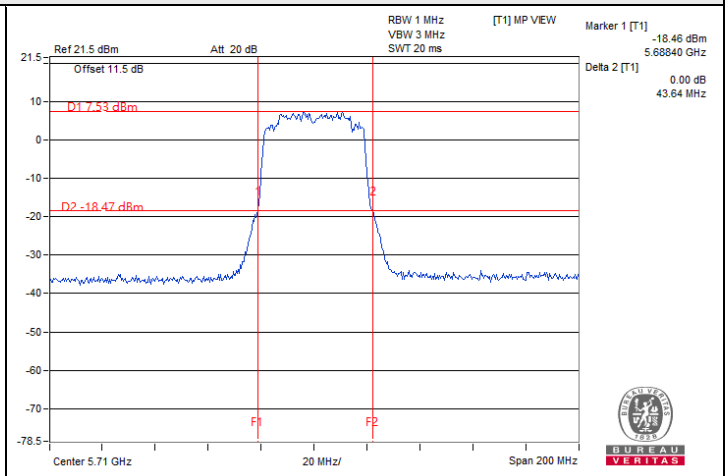
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
50 (U-NII-2A)	5250	83.31	30.2	>	24
114	5570	167.46	33.23	>	24

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

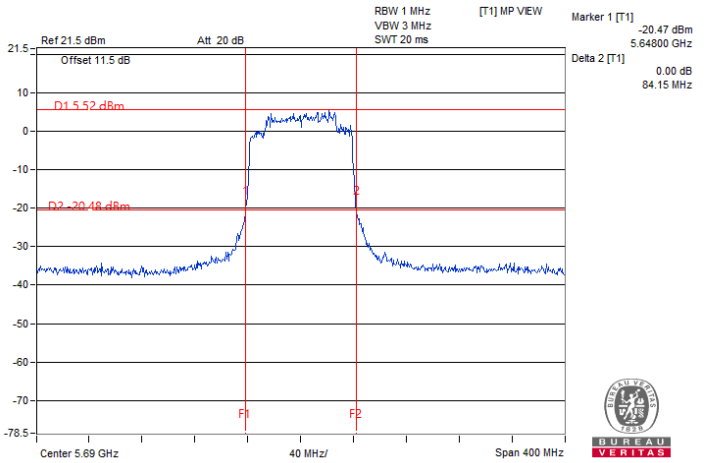
Spectrum Plot of Minimum Value



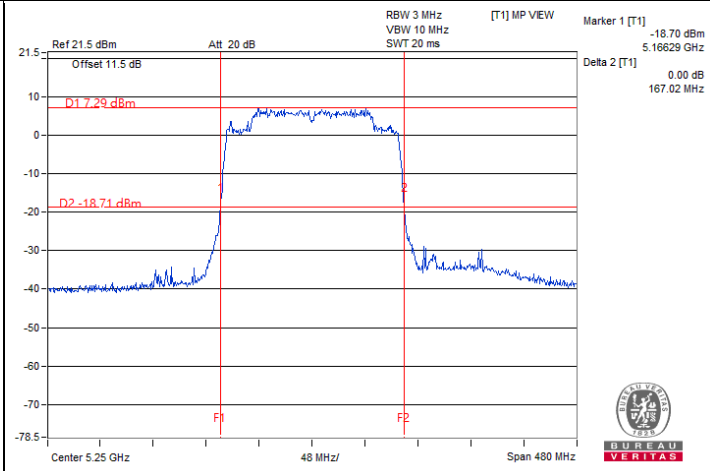
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

1TX_Chain 0

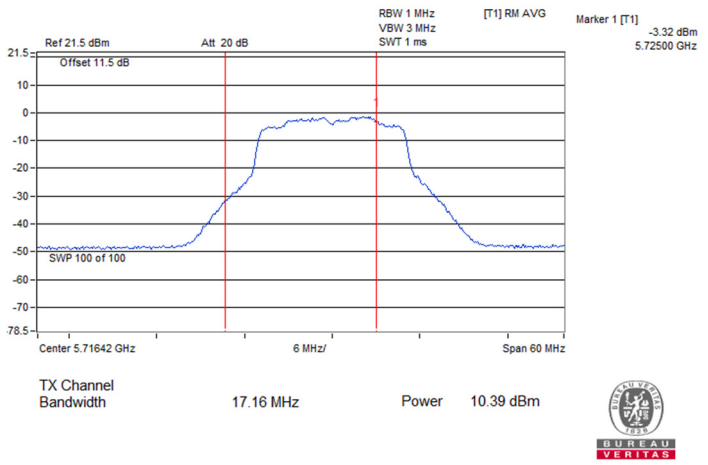
802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	13.243	11.22	24	Pass
40	5200	13.002	11.14	24	Pass
48	5240	12.647	11.02	24	Pass
52	5260	12.794	11.07	24	Pass
60	5300	12.706	11.04	24	Pass
64	5320	13.002	11.14	24	Pass
100	5500	12.942	11.12	24	Pass
116	5580	12.823	11.08	24	Pass
140	5700	13.032	11.15	24	Pass
*144 (U-NII-2C)	5720	10.940	10.39	23.34	Pass
*144 (U-NII-3)	5720	1.641	2.15	30	Pass
149	5745	12.942	11.12	30	Pass
157	5785	13.062	11.16	30	Pass
165	5825	12.445	10.95	30	Pass

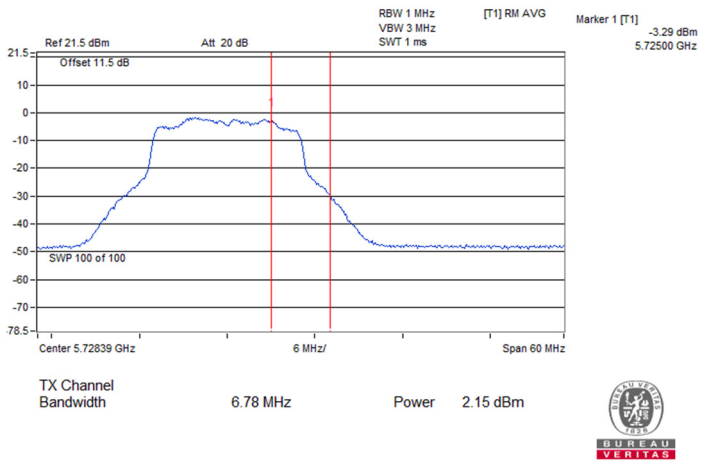
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. For U-NII-1, the antenna gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 2.15 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



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



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

1TX_Chain 1

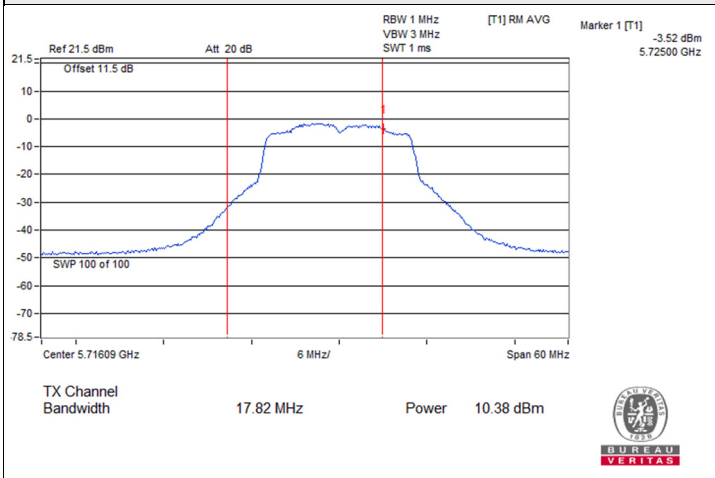
802.11a

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)	Power Limit (dBm)	Test Result
36	5180	13.900	11.43	24	Pass
40	5200	13.459	11.29	24	Pass
48	5240	13.677	11.36	24	Pass
52	5260	14.060	11.48	24	Pass
60	5300	13.996	11.46	24	Pass
64	5320	13.740	11.38	24	Pass
100	5500	13.964	11.45	24	Pass
116	5580	13.772	11.39	24	Pass
140	5700	13.804	11.40	24	Pass
*144 (U-NII-2C)	5720	10.914	10.38	23.5	Pass
*144 (U-NII-3)	5720	1.629	2.12	30	Pass
149	5745	13.062	11.16	30	Pass
157	5785	12.972	11.13	30	Pass
165	5825	13.583	11.33	30	Pass

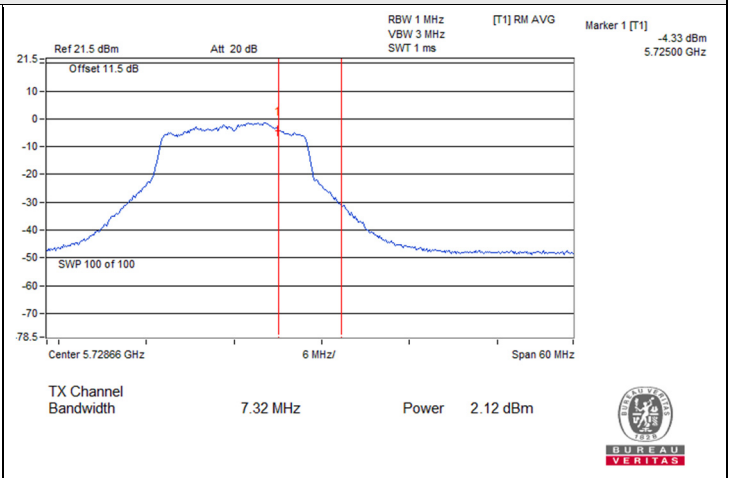
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. For U-NII-1, the antenna gain is 0.57 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the antenna gain is 0.57 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the antenna gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the antenna gain is 0.84 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



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



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

2TX

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	11.34	11.18	26.736	14.27	24	Pass
40	5200	11.22	11.43	27.143	14.34	24	Pass
48	5240	11.12	11.20	26.125	14.17	24	Pass
52	5260	11.30	11.15	26.521	14.24	24	Pass
60	5300	11.13	11.20	26.154	14.18	24	Pass
64	5320	10.97	11.44	26.434	14.22	24	Pass
100	5500	11.37	11.38	27.449	14.39	24	Pass
116	5580	11.14	11.37	26.711	14.27	24	Pass
140	5700	11.44	11.25	27.267	14.36	24	Pass
*144 (U-NII-2C)	5720	10.22	10.27	21.161	13.26	23.34	Pass
*144 (U-NII-3)	5720	3.45	3.37	4.386	6.42	30	Pass
149	5745	11.31	11.32	27.073	14.33	30	Pass
157	5785	11.16	11.42	26.929	14.30	30	Pass
165	5825	11.04	11.10	25.588	14.08	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 1.39 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	11.28	11.30	26.917	14.30	24	Pass
46	5230	11.02	11.46	26.643	14.26	24	Pass
54	5270	11.46	11.19	27.148	14.34	24	Pass
62	5310	11.26	11.43	27.265	14.36	24	Pass
102	5510	11.15	11.45	26.995	14.31	24	Pass
110	5550	11.13	11.32	26.524	14.24	24	Pass
134	5670	11.41	11.49	27.929	14.46	24	Pass
*142 (U-NII-2C)	5710	10.82	10.69	23.800	13.77	24	Pass
*142 (U-NII-3)	5710	-1.12	-1.20	1.5313	1.85	30	Pass
151	5755	11.20	11.11	26.095	14.17	30	Pass
159	5795	11.05	11.17	25.827	14.12	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 1.39 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	11.40	11.48	27.864	14.45	24	Pass
58	5290	11.06	11.37	26.473	14.23	24	Pass
106	5530	11.27	11.38	27.137	14.34	24	Pass
122	5610	11.29	11.29	26.917	14.30	24	Pass
*138 (U-NII-2C)	5690	11.22	11.23	26.517	14.24	24	Pass
*138 (U-NII-3)	5690	-5.11	-5.15	0.6138	-2.12	30	Pass
155	5775	11.26	11.16	26.428	14.22	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 1.39 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	8.21	8.16	13.169	11.20	24	Pass
*50 (U-NII-2A)	5250	8.25	8.18	13.260	11.23	24	Pass
114	5570	11.32	11.44	27.483	14.39	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 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	11.46	11.44	27.927	14.46	24	Pass
40	5200	11.17	11.47	27.120	14.33	24	Pass
48	5240	11.35	11.42	27.513	14.40	24	Pass
52	5260	11.22	11.38	26.984	14.31	24	Pass
60	5300	11.37	11.20	26.891	14.30	24	Pass
64	5320	11.38	11.39	27.513	14.40	24	Pass
100	5500	11.23	11.45	27.238	14.35	24	Pass
116	5580	11.38	11.41	27.576	14.41	24	Pass
140	5700	11.21	11.33	26.796	14.28	24	Pass
*144 (U-NII-2C)	5720	10.27	10.33	21.431	13.31	23.34	Pass
*144 (U-NII-3)	5720	3.52	3.44	4.457	6.49	30	Pass
149	5745	11.44	11.46	27.927	14.46	30	Pass
157	5785	11.45	11.29	27.422	14.38	30	Pass
165	5825	11.14	11.34	26.616	14.25	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 1.39 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	11.46	11.43	27.895	14.46	24	Pass
46	5230	11.28	11.32	26.980	14.31	24	Pass
54	5270	11.17	11.39	26.864	14.29	24	Pass
62	5310	11.38	11.47	27.769	14.44	24	Pass
102	5510	11.34	11.44	27.546	14.40	24	Pass
110	5550	11.32	11.23	26.826	14.29	24	Pass
134	5670	11.50	11.41	27.961	14.47	24	Pass
*142 (U-NII-2C)	5710	10.88	10.76	24.159	13.83	24	Pass
*142 (U-NII-3)	5710	-1.05	-1.15	1.5526	1.91	30	Pass
151	5755	11.41	11.46	27.832	14.45	30	Pass
159	5795	11.22	11.28	26.671	14.26	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	11.33	11.47	27.611	14.41	24	Pass
58	5290	11.22	11.36	26.921	14.30	24	Pass
106	5530	11.21	11.33	26.796	14.28	24	Pass
122	5610	11.50	11.25	27.461	14.39	24	Pass
*138 (U-NII-2C)	5690	11.28	11.30	26.917	14.30	24	Pass
*138 (U-NII-3)	5690	-5.06	-5.09	0.6216	-2.06	30	Pass
155	5775	11.38	11.43	27.64	14.42	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 1.39 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	8.28	8.23	13.382	11.27	24	Pass
*50 (U-NII-2A)	5250	8.30	8.24	13.429	11.28	24	Pass
114	5570	11.28	11.43	27.327	14.37	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.

20 MHz Preamble 802.11ax (RU26)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.29	11.46	27.454	14.39	24	Pass
64	5320	11.25	11.51	27.493	14.39	24	Pass
100	5500	11.26	11.46	27.362	14.37	24	Pass
140	5700	11.38	11.27	27.137	14.34	24	Pass
149	5745	11.41	11.30	27.325	14.37	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

20 MHz Preamble 802.11ax (RU52)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.35	11.48	27.706	14.43	24	Pass
64	5320	11.26	11.53	27.589	14.41	24	Pass
100	5500	11.29	11.29	26.917	14.30	24	Pass
140	5700	11.41	11.35	27.481	14.39	24	Pass
149	5745	11.35	11.47	27.674	14.42	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

20 MHz Preamble 802.11ax (RU106)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	11.20	11.38	26.923	14.30	24	Pass
64	5320	11.22	11.47	27.272	14.36	24	Pass
100	5500	11.37	11.39	27.481	14.39	24	Pass
140	5700	11.28	11.48	27.488	14.39	24	Pass
149	5745	11.34	11.32	27.166	14.34	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

40 MHz Preamble 802.11ax (RU242)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	11.27	11.41	27.232	14.35	24	Pass
62	5310	11.25	11.35	26.981	14.31	24	Pass
102	5510	11.33	11.30	27.073	14.33	24	Pass
134	5670	11.41	11.44	27.767	14.44	24	Pass
151	5755	11.29	11.26	26.825	14.29	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

80 MHz Preamble 802.11ax (RU484)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	11.35	11.41	27.481	14.39	24	Pass
58	5290	11.19	11.37	26.861	14.29	24	Pass
106	5530	11.31	11.45	27.484	14.39	24	Pass
155	5775	11.30	11.38	27.23	14.35	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-3, the maximum gain is 1.39 dBi < 6 dBi, so the output power limit shall not be reduced.

160 MHz Preamble 802.11ax (RU996)

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	11.11	11.01	25.53	14.07	24	Pass
*50 (U-NII-2A)	5250	-27.31	-30.39	0.0027719	-25.57	24	Pass
114	5570	11.31	11.36	27.198	14.35	24	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.

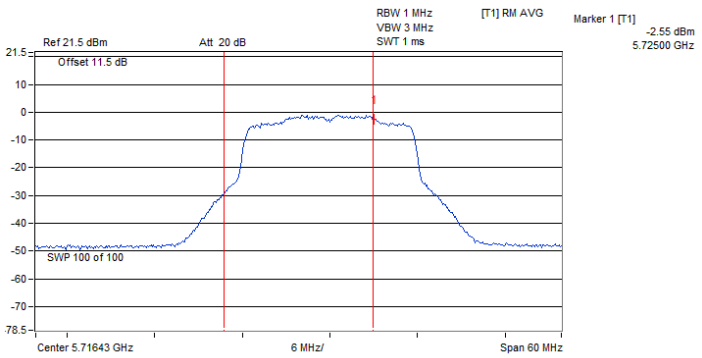
160 MHz Preamble 802.11ax (RU996/S67)

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	-23.35	-25.85	0.007224	-21.41	24	Pass
*50 (U-NII-2A)	5250	10.97	10.99	25.063	13.99	24	Pass
114	5570	11.43	11.45	27.863	14.45	24	Pass

Notes:

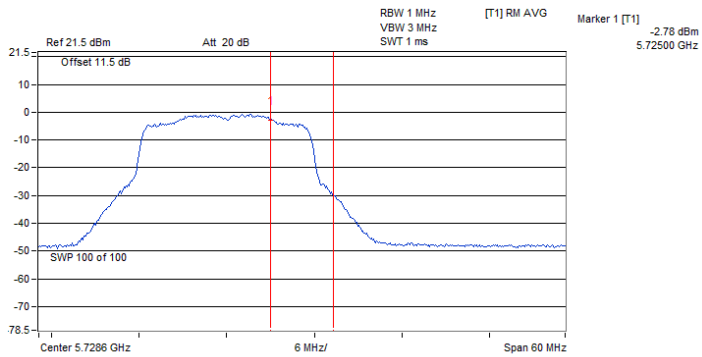
1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 2.77 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.22 dBi < 6 dBi, so the output power limit shall not be reduced.

Spectrum Plot for channel straddling



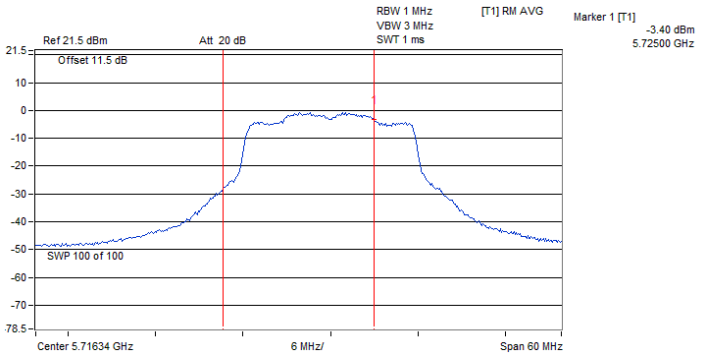
TX Channel Bandwidth 17.14 MHz Power 10.27 dBm

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



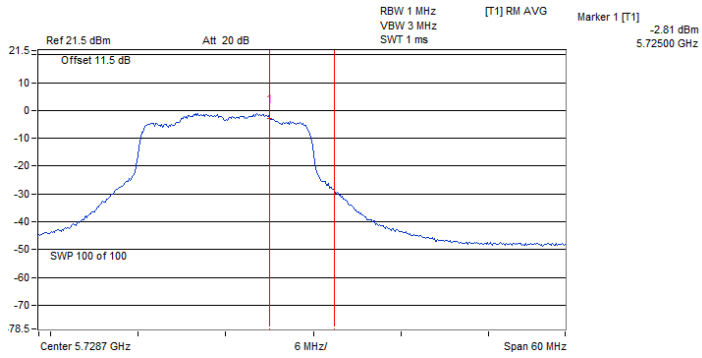
TX Channel Bandwidth 7.2 MHz Power 3.52 dBm

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



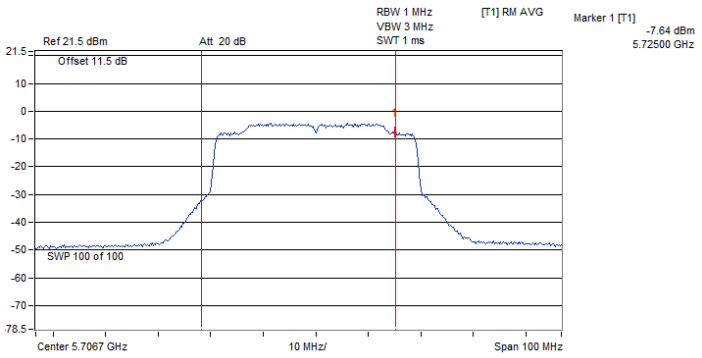
TX Channel Bandwidth 17.32 MHz Power 10.33 dBm

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



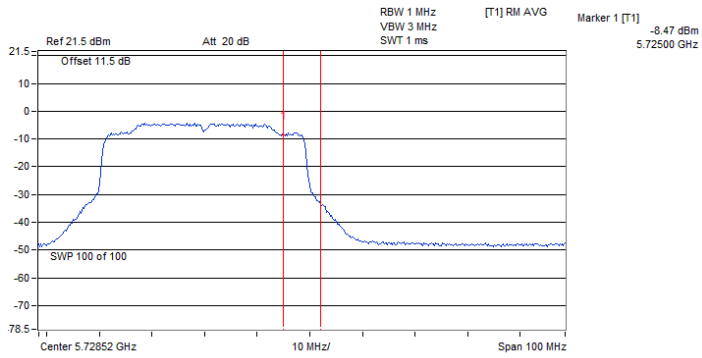
TX Channel Bandwidth 7.4 MHz Power 3.44 dBm

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



TX Channel Bandwidth 36.6 MHz Power 10.88 dBm

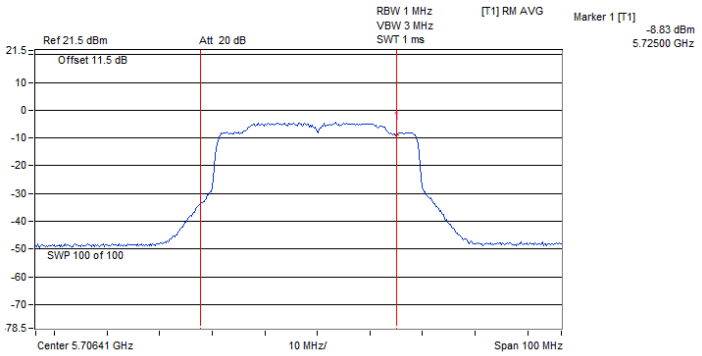
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



TX Channel Bandwidth 7.04 MHz Power -1.05 dBm

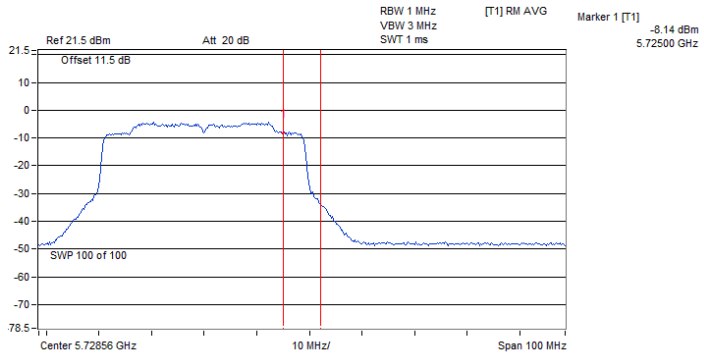
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



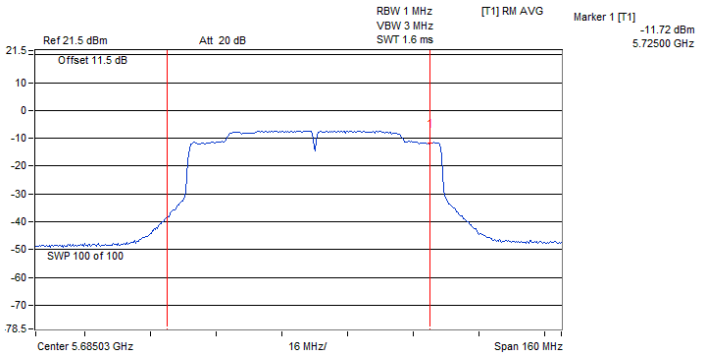
TX Channel Bandwidth 37.17 MHz Power 10.76 dBm

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



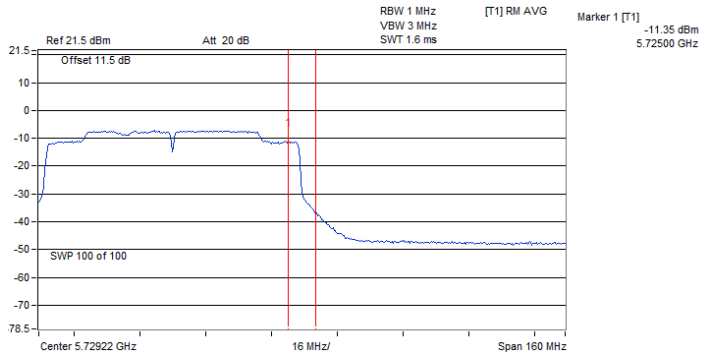
TX Channel Bandwidth 7.13 MHz Power -1.15 dBm

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



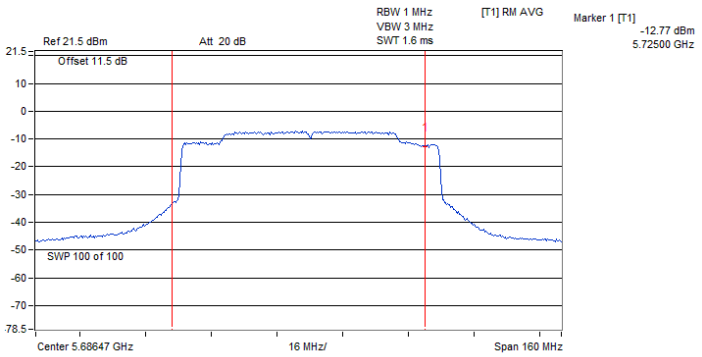
TX Channel Bandwidth 79.94 MHz Power 11.28 dBm

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



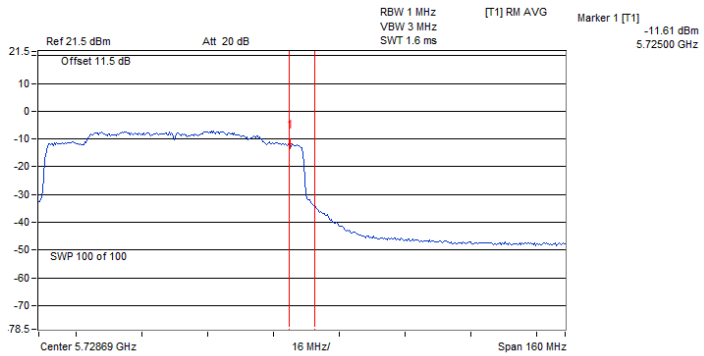
TX Channel Bandwidth 8.45 MHz Power -5.06 dBm

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



TX Channel Bandwidth 77.06 MHz Power 11.3 dBm

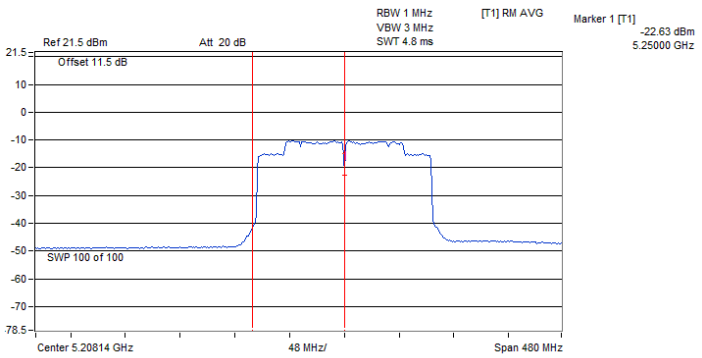
802.11ax (HE80) / Chain 1 : CH 138 (U-NII-2C)



TX Channel Bandwidth 7.38 MHz Power -5.09 dBm

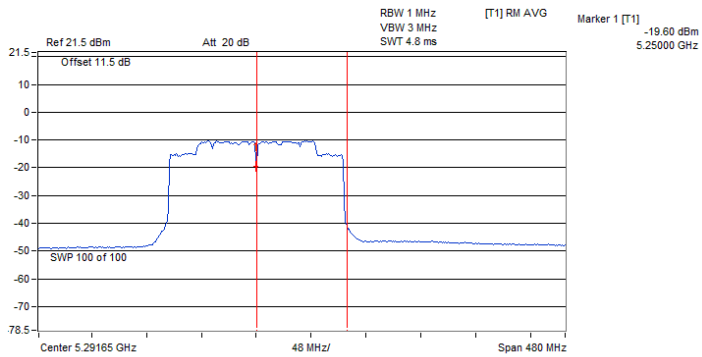
802.11ax (HE80) / Chain 1 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



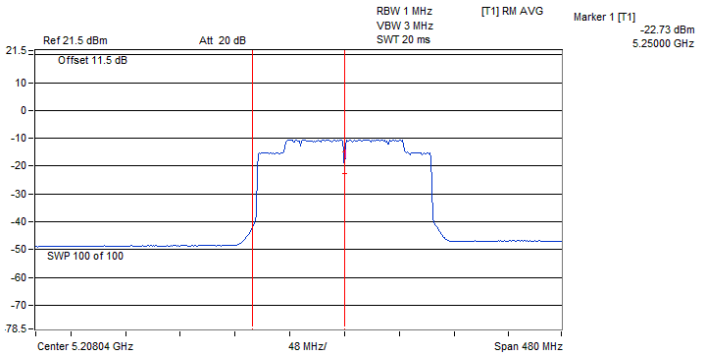
TX Channel Bandwidth 83.71 MHz Power 8.28 dBm

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



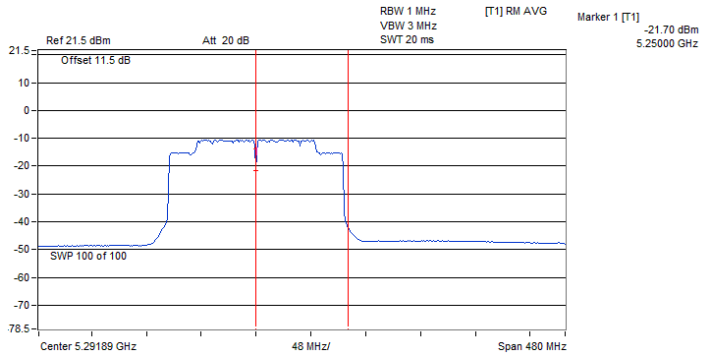
TX Channel Bandwidth 83.31 MHz Power 8.3 dBm

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



TX Channel Bandwidth 83.91 MHz Power 8.23 dBm

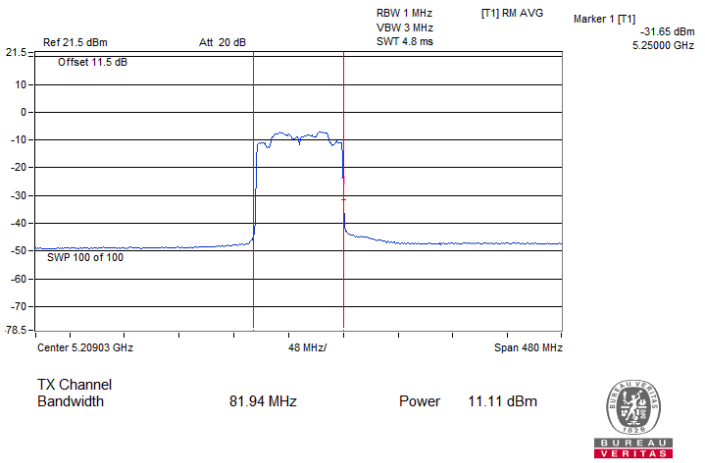
802.11ax (HE160) / Chain 1 : CH 50 (U-NII-1)



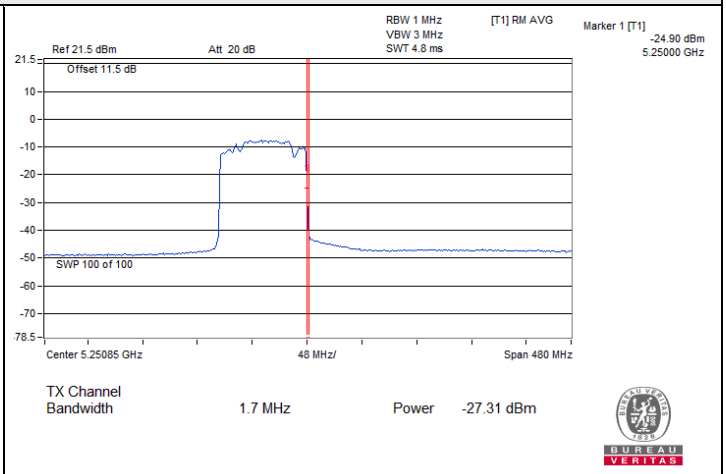
TX Channel Bandwidth 83.79 MHz Power 8.24 dBm

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

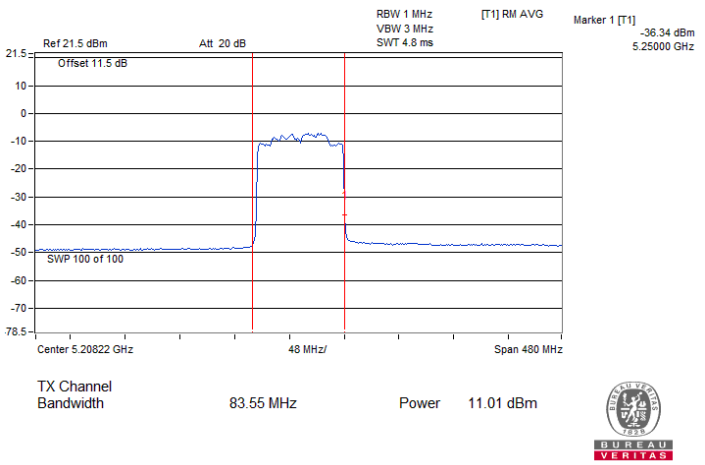
Spectrum Plot for channel straddling



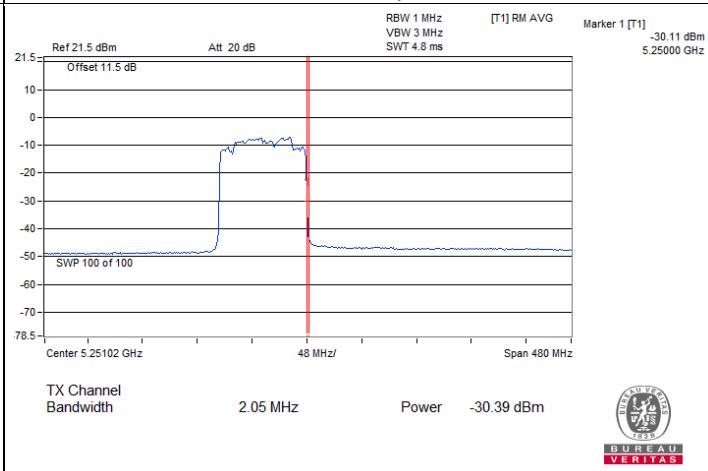
160 MHz Preamble 802.11ax (RU996) / Chain 0 : CH 50 (U-NII-1)



160 MHz Preamble 802.11ax (RU996) / Chain 0 : CH 50 (U-NII-2A)

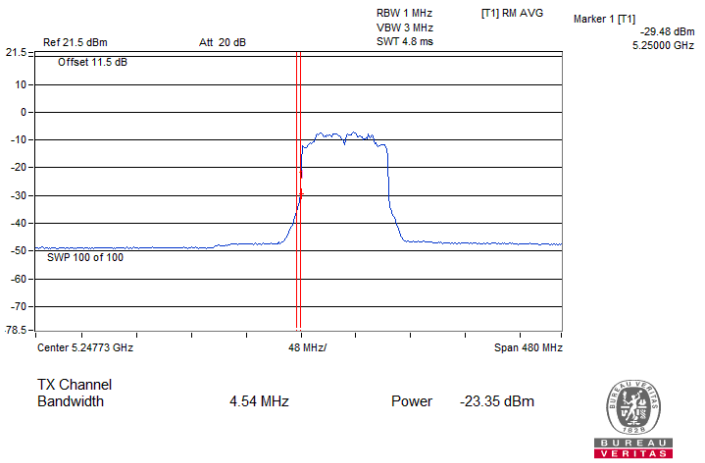


160 MHz Preamble 802.11ax (RU996) / Chain 1 : CH 50 (U-NII-1)



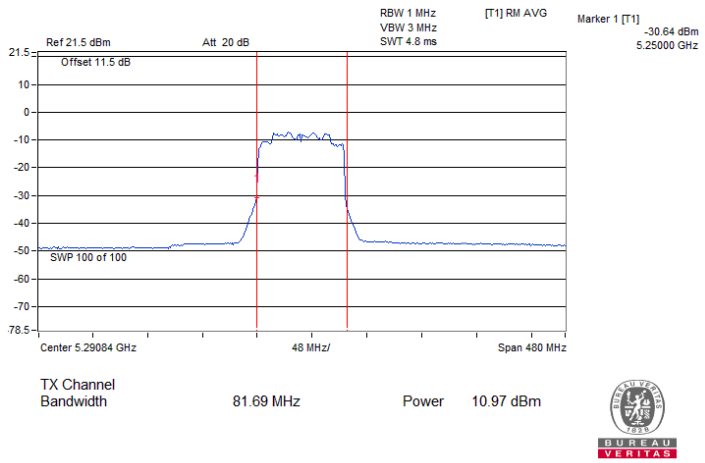
160 MHz Preamble 802.11ax (RU996) / Chain 1 : CH 50 (U-NII-2A)

Spectrum Plot for channel straddling



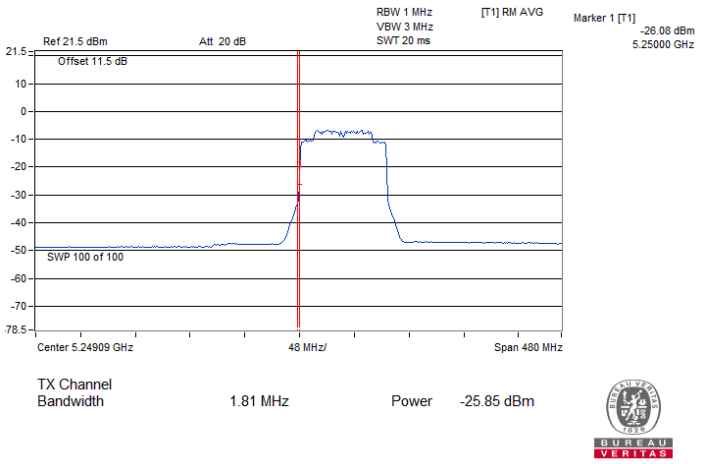
TX Channel Bandwidth 4.54 MHz Power -23.35 dBm

160 MHz Preamble 802.11ax (RU996/S67) / Chain 0 : CH 50 (U-NII-1)



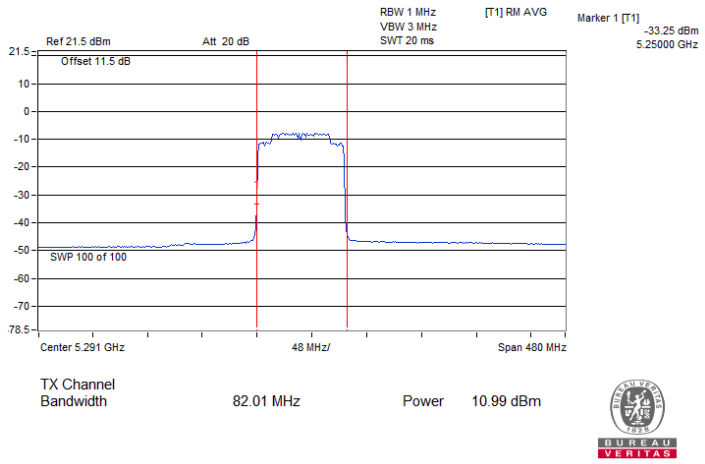
TX Channel Bandwidth 81.69 MHz Power 10.97 dBm

160 MHz Preamble 802.11ax (RU996/S67) / Chain 0 : CH 50 (U-NII-2A)



TX Channel Bandwidth 1.81 MHz Power -25.85 dBm

160 MHz Preamble 802.11ax (RU996/S67) / Chain 1 : CH 50 (U-NII-1)



TX Channel Bandwidth 82.01 MHz Power 10.99 dBm

160 MHz Preamble 802.11ax (RU996/S67) / Chain 1 : CH 50 (U-NII-2A)

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

1TX_Chain 0

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-1.24	11.00	Pass
40	5200	-1.29	11.00	Pass
48	5240	-1.48	11.00	Pass
52	5260	-1.45	11.00	Pass
60	5300	-1.48	11.00	Pass
64	5320	-1.28	11.00	Pass
100	5500	-1.38	11.00	Pass
116	5580	-1.43	11.00	Pass
140	5700	-1.32	11.00	Pass
144 (U-NII-2C)	5720	-1.32	11.00	Pass

Notes:

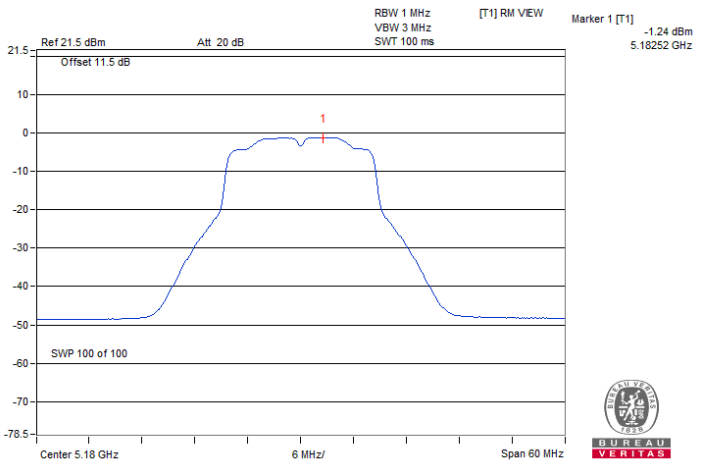
1. For U-NII-1, the antenna gain is 2.77 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 2.77 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 2.15 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

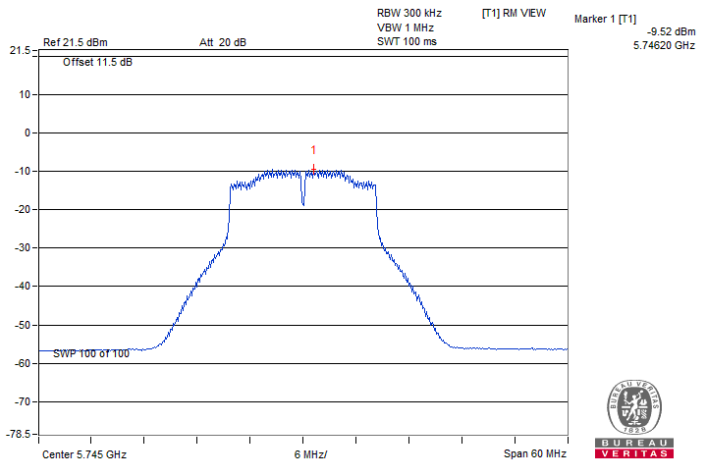
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-11.12	-8.90	30	Pass
149	5745	-9.52	-7.30	30	Pass
157	5785	-9.54	-7.32	30	Pass
165	5825	-9.76	-7.54	30	Pass

Note: For U-NII-3, the antenna gain is 1.39 dBi < 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



802.11a : CH 36



802.11a : CH 149

1TX_Chain 1

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
36	5180	-1.09	11.00	Pass
40	5200	-1.19	11.00	Pass
48	5240	-1.09	11.00	Pass
52	5260	-1.09	11.00	Pass
60	5300	-1.02	11.00	Pass
64	5320	-1.15	11.00	Pass
100	5500	-1.11	11.00	Pass
116	5580	-1.12	11.00	Pass
140	5700	-1.14	11.00	Pass
144 (U-NII-2C)	5720	-1.35	11.00	Pass

Notes:

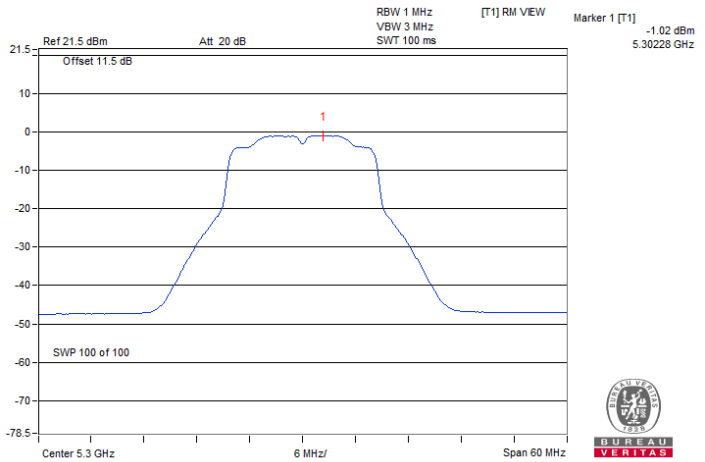
1. For U-NII-1, the antenna gain is 0.57 dBi < 6dBi, so the power density limit shall not be reduced.
2. For U-NII-2A, the antenna gain is 0.57 dBi < 6 dBi, so the power density limit shall not be reduced.
3. For U-NII-2C, the antenna gain is 3.22 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11a

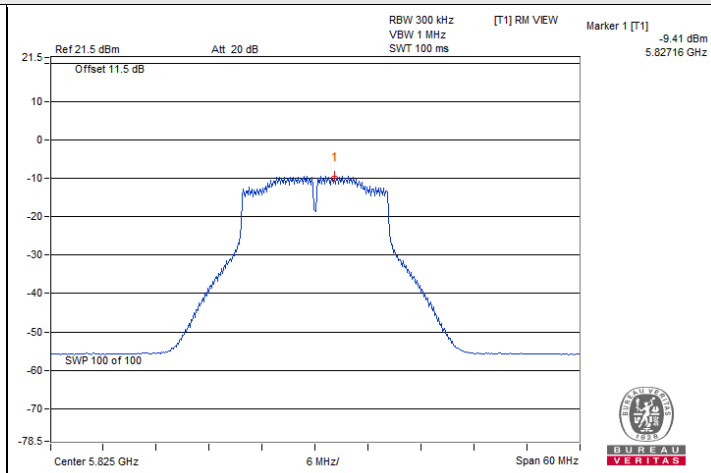
Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
144 (U-NII-3)	5720	-11.17	-8.95	30	Pass
149	5745	-9.55	-7.33	30	Pass
157	5785	-9.55	-7.33	30	Pass
165	5825	-9.41	-7.19	30	Pass

Note: For U-NII-3, the antenna gain is 0.84 dBi < 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



802.11a : CH 60



802.11a : CH 165

2TX

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	-1.13	-1.12	1.89	11.00	Pass
40	5200	-1.38	-1.07	1.79	11.00	Pass
48	5240	-1.23	-1.08	1.86	11.00	Pass
52	5260	-1.30	-1.13	1.80	11.00	Pass
60	5300	-1.23	-1.37	1.71	11.00	Pass
64	5320	-1.20	-1.19	1.82	11.00	Pass
100	5500	-1.34	-1.15	1.77	11.00	Pass
116	5580	-1.18	-1.17	1.84	11.00	Pass
140	5700	-1.35	-1.21	1.73	11.00	Pass
144 (U-NII-2C)	5720	-1.37	-1.24	1.71	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-4.95	-4.94	-1.93	11.00	Pass
46	5230	-5.15	-5.11	-2.12	11.00	Pass
54	5270	-5.18	-5.17	-2.16	11.00	Pass
62	5310	-5.02	-5.00	-2.00	11.00	Pass
102	5510	-5.09	-5.08	-2.07	11.00	Pass
110	5550	-5.04	-5.09	-2.05	11.00	Pass
134	5670	-4.89	-4.98	-1.92	11.00	Pass
142 (U-NII-2C)	5710	-4.92	-5.05	-1.97	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-7.53	-7.32	-4.41	11.00	Pass
58	5290	-7.55	-7.45	-4.49	11.00	Pass
106	5530	-7.57	-7.49	-4.52	11.00	Pass
122	5610	-7.30	-7.54	-4.41	11.00	Pass
138 (U-NII-2C)	5690	-7.47	-7.38	-4.41	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

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	-10.51	-10.52	-7.50	11.00	Pass
50 (U-NII-2A)	5250	-10.49	-10.49	-7.48	11.00	Pass
114	5570	-10.56	-10.47	-7.50	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU26)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	7.78	7.73	10.77	11.00	Pass
64	5320	7.70	7.61	10.67	11.00	Pass
100	5500	7.45	7.59	10.53	11.00	Pass
140	5700	7.62	7.53	10.59	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU52)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	4.78	4.69	7.75	11.00	Pass
64	5320	4.68	4.52	7.61	11.00	Pass
100	5500	4.43	4.51	7.48	11.00	Pass
140	5700	4.45	4.55	7.51	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU106)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	1.57	1.52	4.56	11.00	Pass
64	5320	1.63	1.68	4.67	11.00	Pass
100	5500	1.52	1.50	4.52	11.00	Pass
140	5700	1.58	1.55	4.58	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

40 MHz Preamble 802.11ax (RU242)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-1.48	-1.43	1.56	11.00	Pass
62	5310	-1.58	-1.65	1.40	11.00	Pass
102	5510	-1.65	-1.64	1.37	11.00	Pass
134	5670	-1.45	-1.62	1.48	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

80 MHz Preamble 802.11ax (RU484)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-4.53	-4.57	-1.54	11.00	Pass
58	5290	-4.77	-4.62	-1.68	11.00	Pass
106	5530	-4.63	-4.64	-1.62	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

160 MHz Preamble 802.11ax (RU996)

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	-7.87	-7.97	-4.91	11.00	Pass
50 (U-NII-2A)	5250	-29.26	-30.22	-26.70	11.00	Pass
114	5570	-7.72	-7.70	-4.70	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

160 MHz Preamble 802.11ax (RU996/S67)

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	-28.35	-29.12	-25.71	11.00	Pass
50 (U-NII-2A)	5250	-7.82	-8.07	-4.93	11.00	Pass
114	5570	-7.68	-7.64	-4.65	11.00	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[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-1, the directional gain is 4.75 dBi < 6dBi, so the power density limit shall not be reduced.
4. For U-NII-2A, the directional gain is 4.75 dBi < 6 dBi, so the power density limit shall not be reduced.
5. For U-NII-2C, the directional gain is 5.71 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
144 (U-NII-3)	5720	-11.71	-11.80	-8.74	-6.52	30	Pass
149	5745	-10.42	-10.39	-7.39	-5.17	30	Pass
157	5785	-10.43	-10.58	-7.49	-5.27	30	Pass
165	5825	-10.72	-10.58	-7.64	-5.42	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
142 (U-NII-3)	5710	-17.18	-17.52	-14.34	-12.12	30	Pass
151	5755	-14.17	-14.16	-11.15	-8.93	30	Pass
159	5795	-14.36	-14.29	-11.31	-9.09	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
138 (U-NII-3)	5690	-20.52	-20.60	-17.55	-15.33	30	Pass
155	5775	-16.67	-16.63	-13.64	-11.42	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU26)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
149	5745	-1.42	-1.36	1.62	3.84	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU52)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
149	5745	-4.53	-4.45	-1.48	0.74	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

20 MHz Preamble 802.11ax (RU106)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
149	5745	-7.50	-7.61	-4.54	-2.32	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

40 MHz Preamble 802.11ax (RU242)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
151	5755	-10.63	-10.68	-7.64	-5.42	30	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

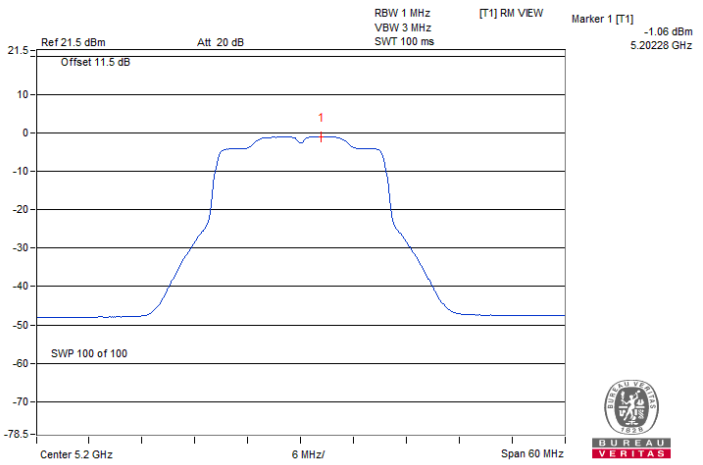
80 MHz Preamble 802.11ax (RU484)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)		Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1				
155	5775	-13.73	-13.79	-10.75	-8.53	30	Pass

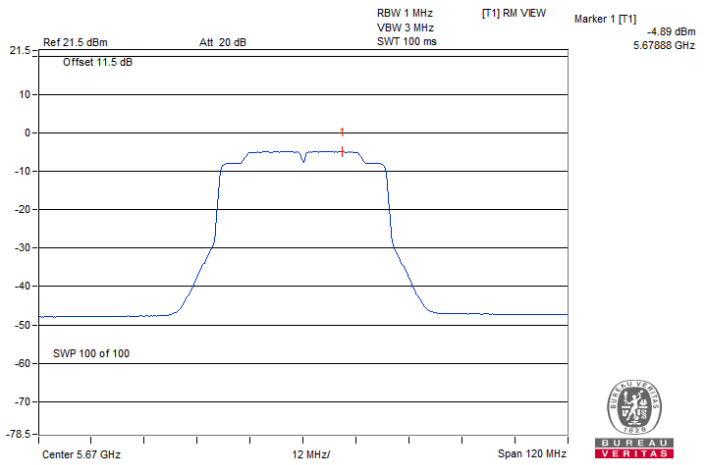
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-3, the directional gain is 4.13 dBi < 6 dBi, so the power density limit shall not be reduced.

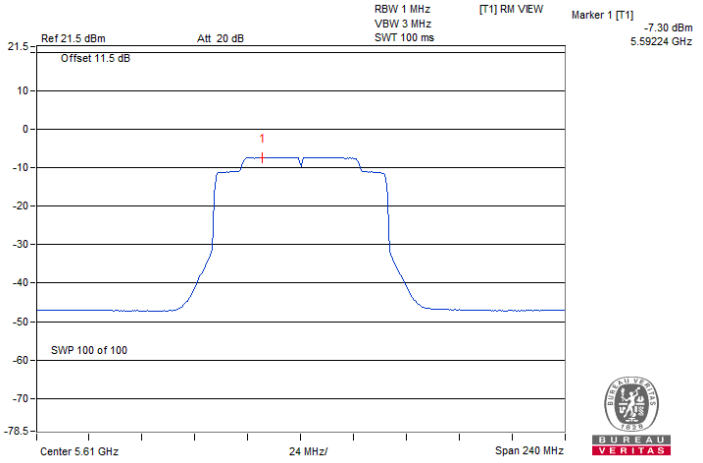
Spectrum Plot of Maximum Value



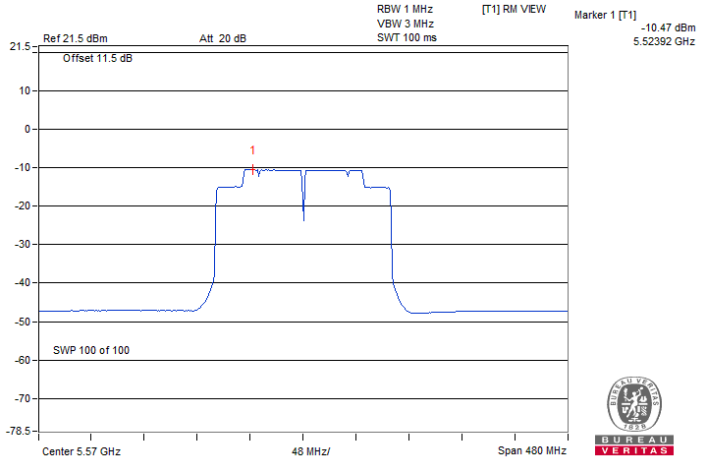
802.11ax (HE20) / Chain 1 : CH 40



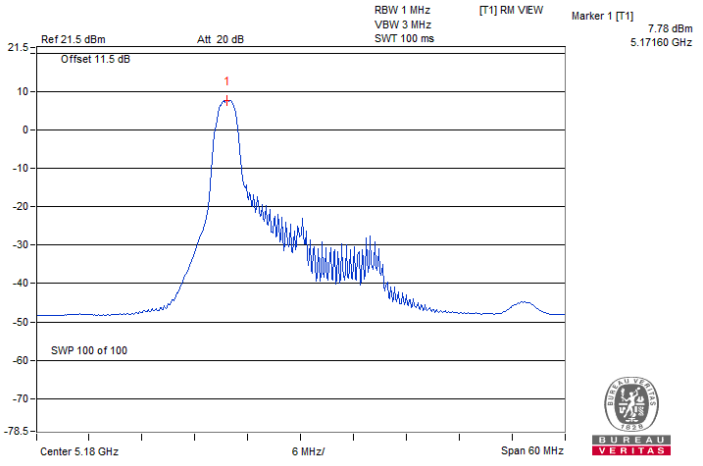
802.11ax (HE40) / Chain 0 : CH 134



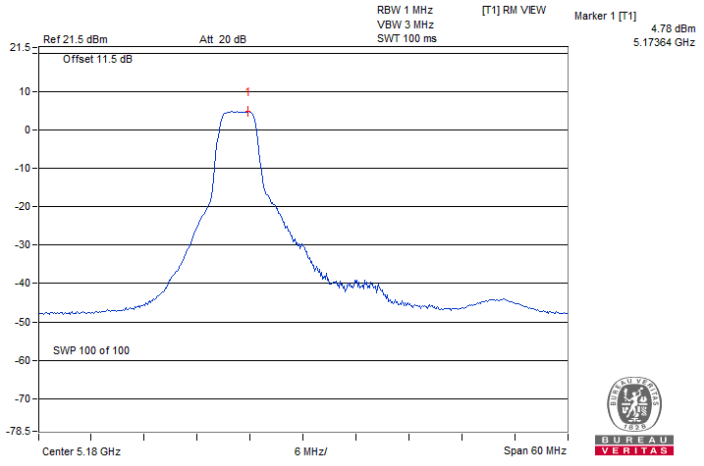
802.11ax (HE80) / Chain 0 : CH 122



802.11ax (HE160) / Chain 1 : CH 114

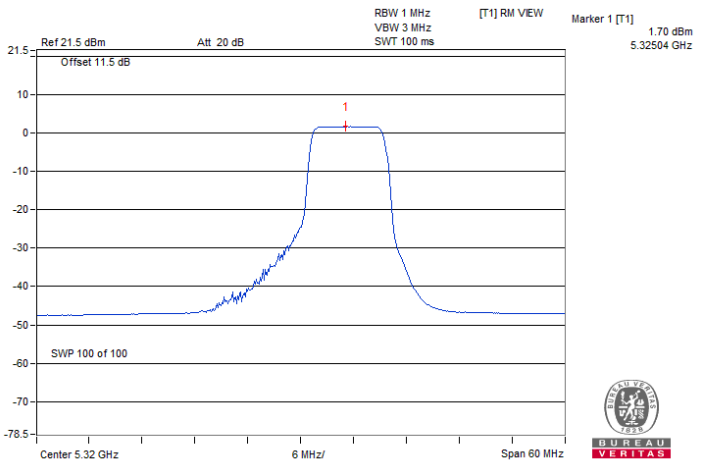


20 MHz Preamble 802.11ax (RU26) / Chain 0 : CH 36

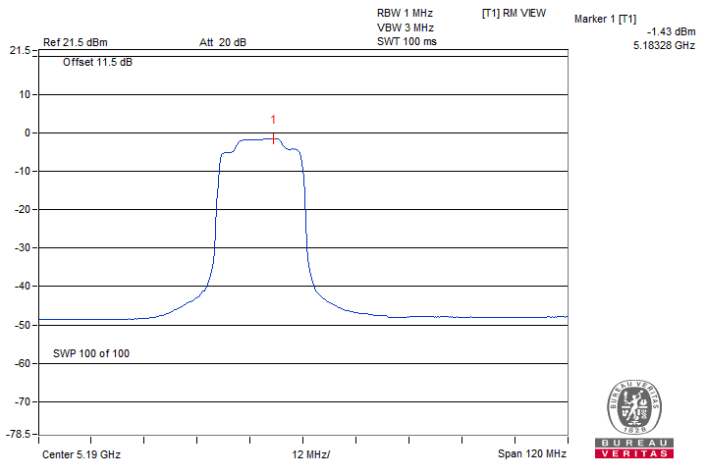


20 MHz Preamble 802.11ax (RU52) / Chain 0 : CH 36

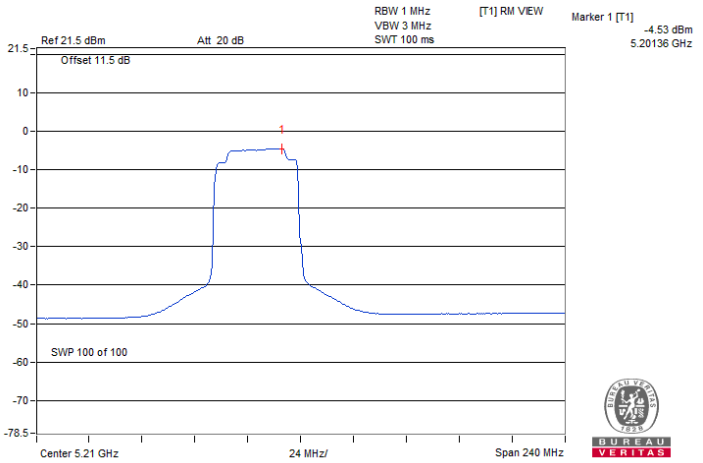
Spectrum Plot of Maximum Value



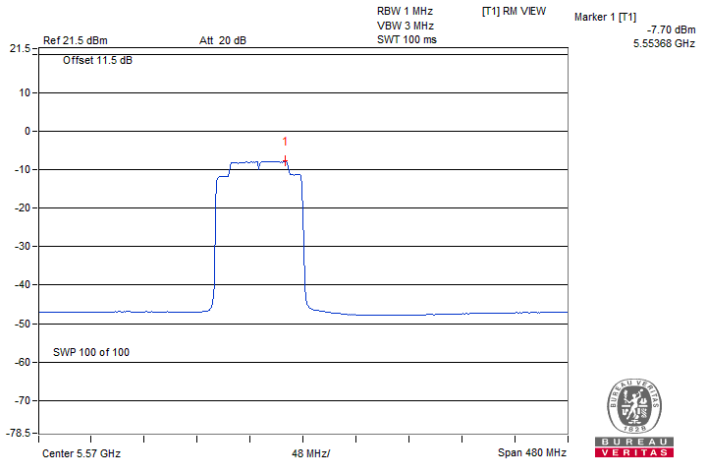
20 MHz Preamble 802.11ax (RU106) / Chain 1 : CH 64



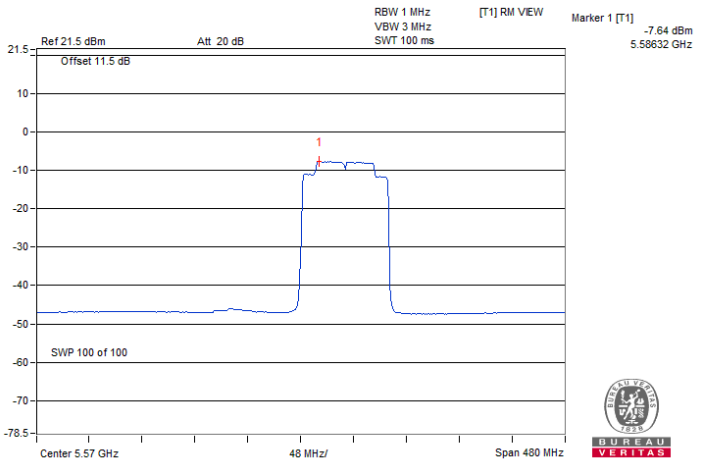
40 MHz Preamble 802.11ax (RU242) / Chain 1 : CH 38



80 MHz Preamble 802.11ax (RU484) / Chain 0 : CH 42

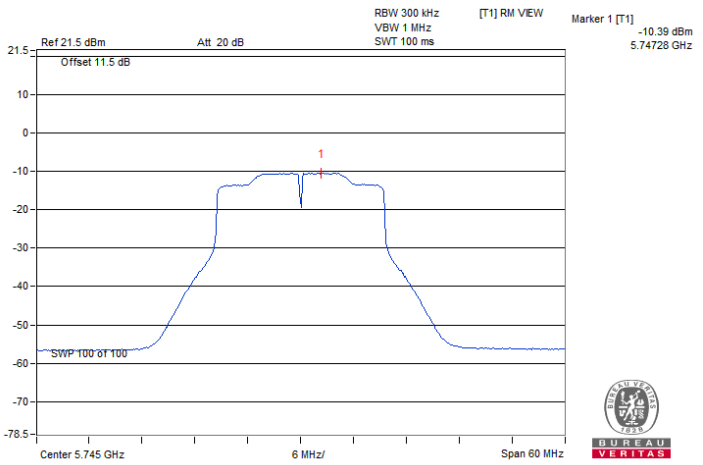


160 MHz Preamble 802.11ax (RU996) / Chain 1 : CH 114

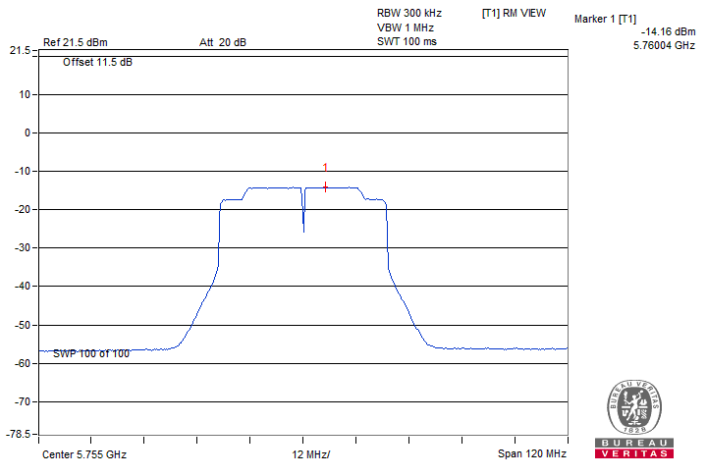


160 MHz Preamble 802.11ax (RU996/S67) / Chain 1 : CH 114

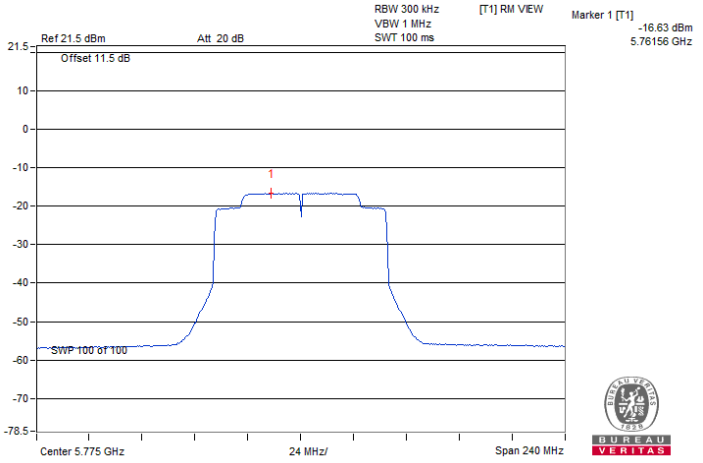
Spectrum Plot of Maximum Value



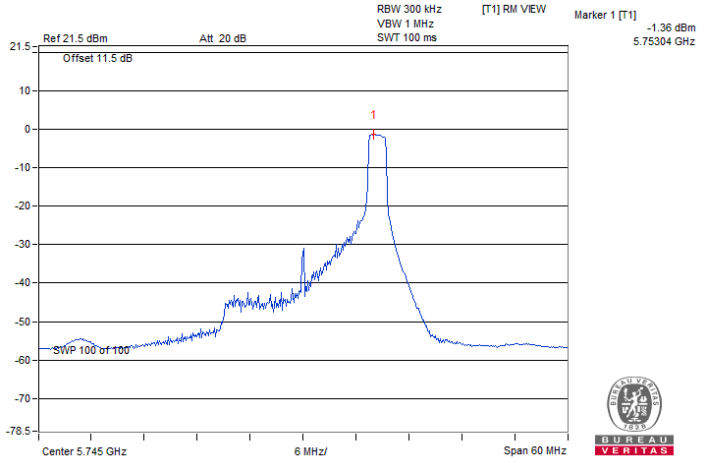
802.11ax (HE20) / Chain 1 : CH 149



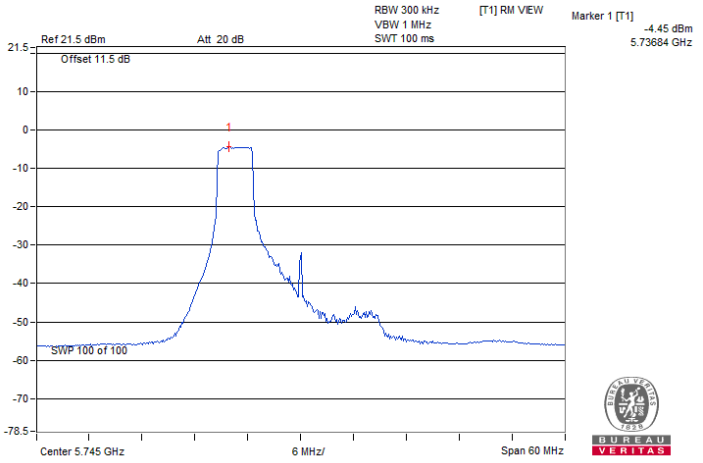
802.11ax (HE40) / Chain 1 : CH 151



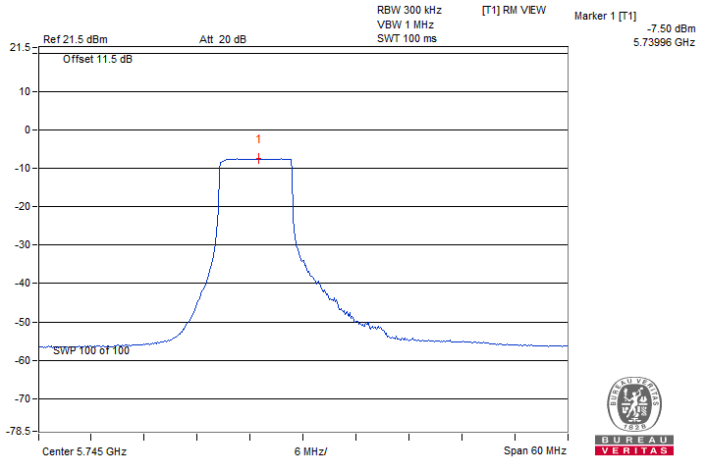
802.11ax (HE80) / Chain 1 : CH 155



20 MHz Preamble 802.11ax (RU26) / Chain 1 : CH 149

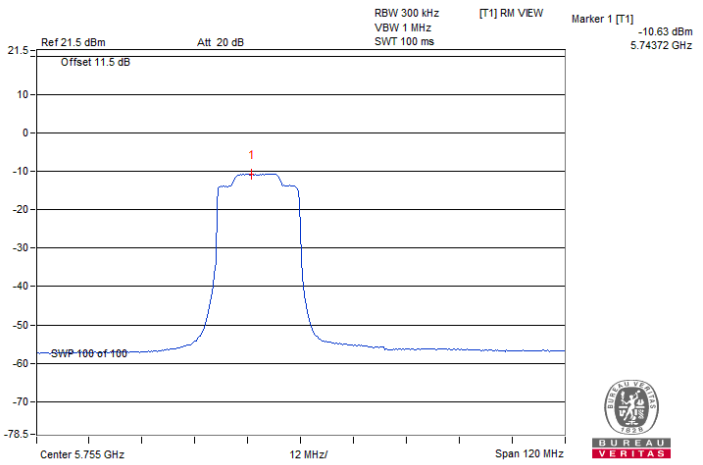


20 MHz Preamble 802.11ax (RU52) / Chain 1 : CH 149

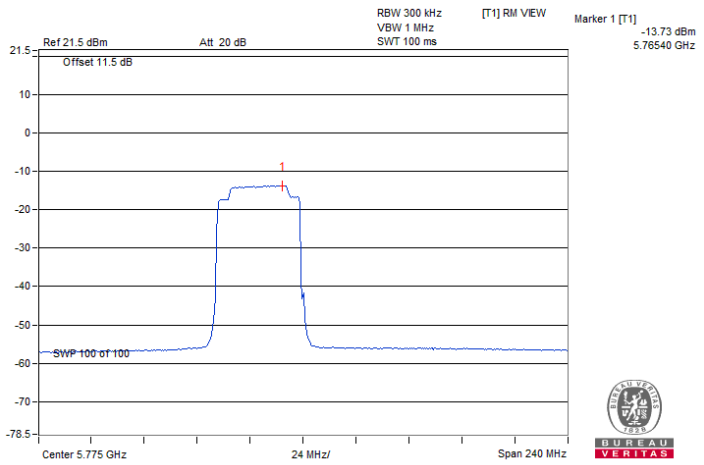


20 MHz Preamble 802.11ax (RU106) / Chain 0 : CH 149

Spectrum Plot of Maximum Value



40 MHz Preamble 802.11ax (RU242) / Chain 0 : CH 151



80 MHz Preamble 802.11ax (RU484) / Chain 0 : CH 155

7.4 6 dB Bandwidth

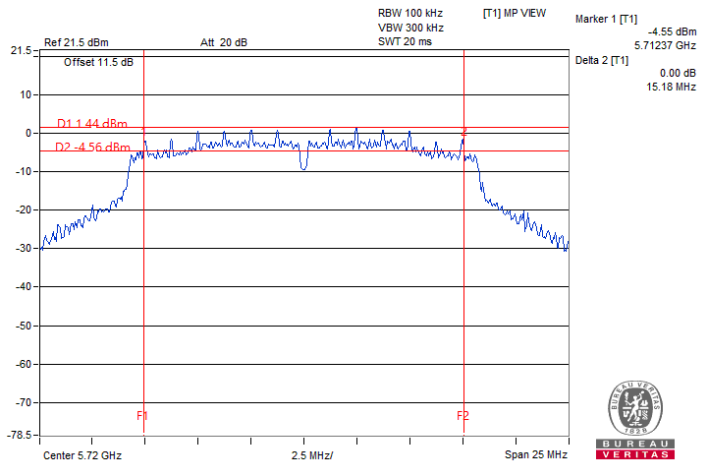
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

1TX_Chain 0

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.55	0.5	Pass
149	5745	15.19	0.5	Pass
157	5785	15.38	0.5	Pass
165	5825	15.17	0.5	Pass

Spectrum Plot of Minimum Value



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

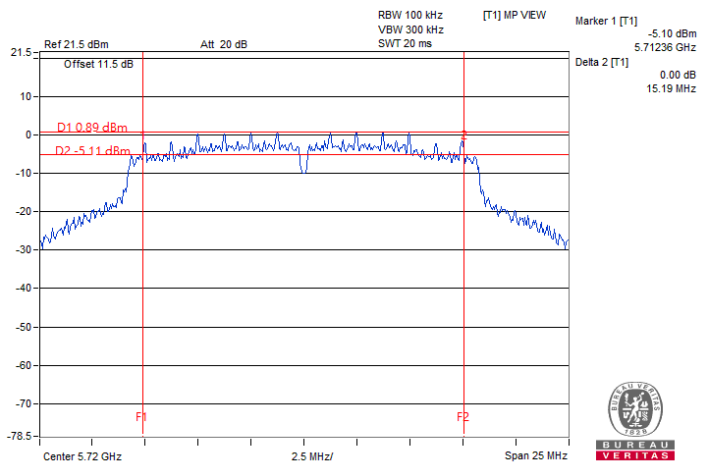
Note: For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725 MHz

1TX_Chain 1

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
144 (U-NII-3)	5720	2.55	0.5	Pass
149	5745	15.18	0.5	Pass
157	5785	15.18	0.5	Pass
165	5825	15.2	0.5	Pass

Spectrum Plot of Minimum Value



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

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

2TX

802.11ax (HE20)

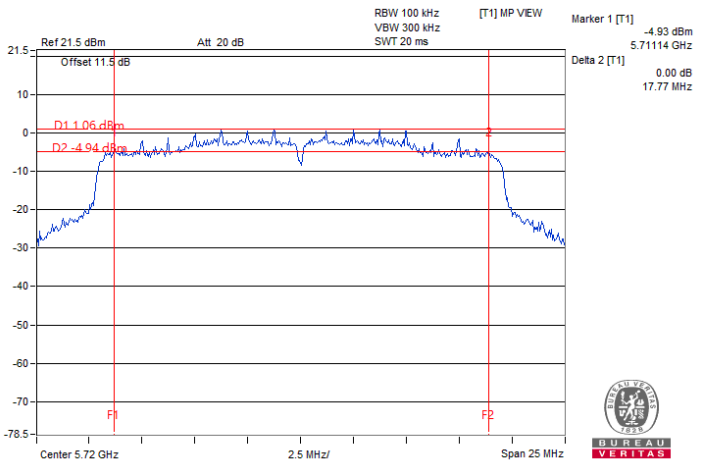
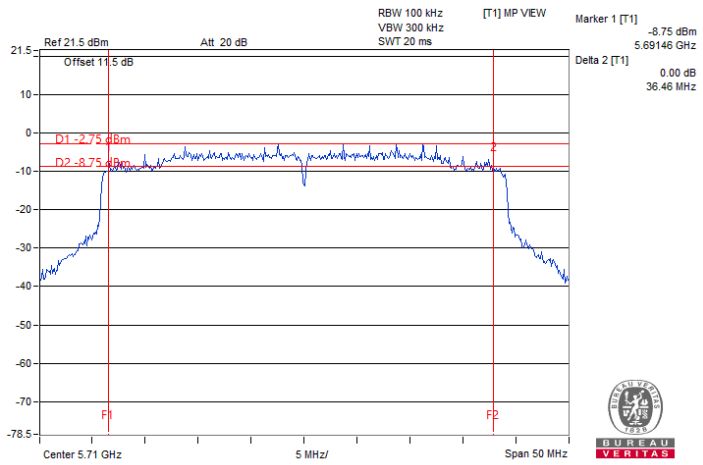
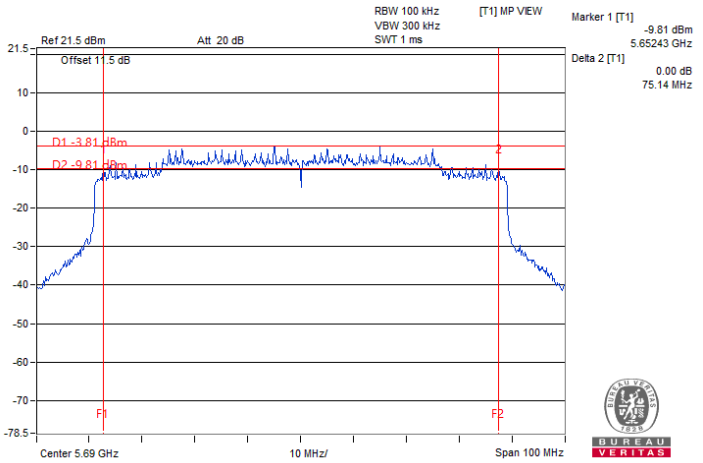
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.91	4.06	0.5	Pass
149	5745	17.83	16.36	0.5	Pass
157	5785	16.37	18.07	0.5	Pass
165	5825	17.26	16.95	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.92	3.53	0.5	Pass
151	5755	35.76	34.70	0.5	Pass
159	5795	36.40	34.24	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	2.59	2.57	0.5	Pass
155	5775	75.36	75.28	0.5	Pass

Spectrum Plot of Minimum Value	
 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)	

Notes:

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

7.5 Occupied Bandwidth

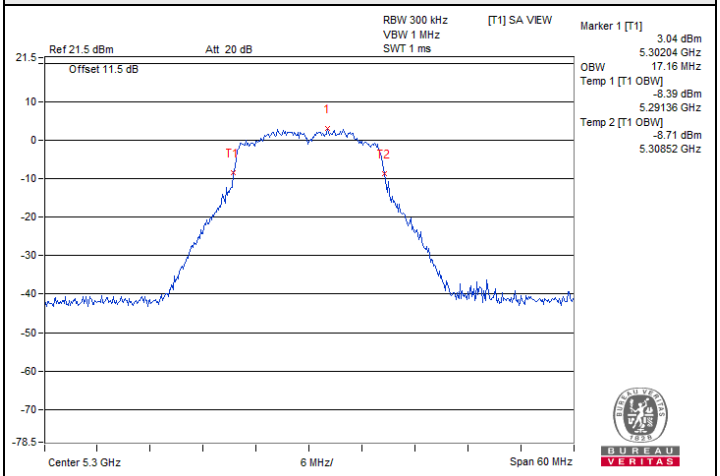
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

1TX_Chain 0

802.11a

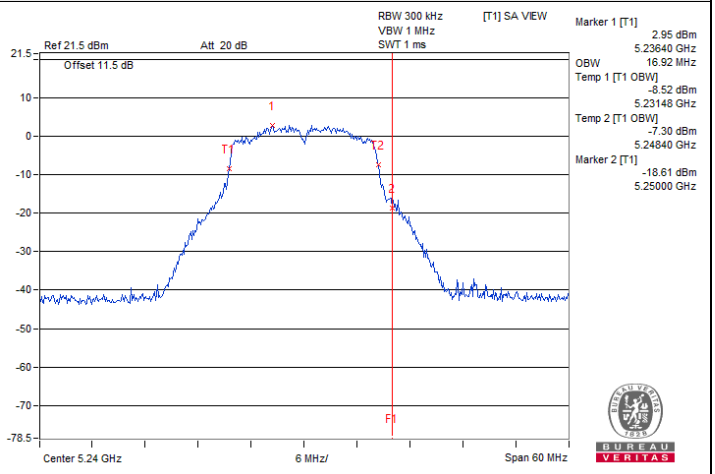
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.92
40	5200	16.92
48	5240	16.92
52	5260	16.92
60	5300	17.16
64	5320	16.92
100	5500	16.92
116	5580	16.92
140	5700	16.92
144 (U-NII-2C)	5720	13.64
144 (U-NII-3)	5720	3.4
149	5745	16.92
157	5785	16.92
165	5825	16.92

Spectrum Plot of Maximum Value



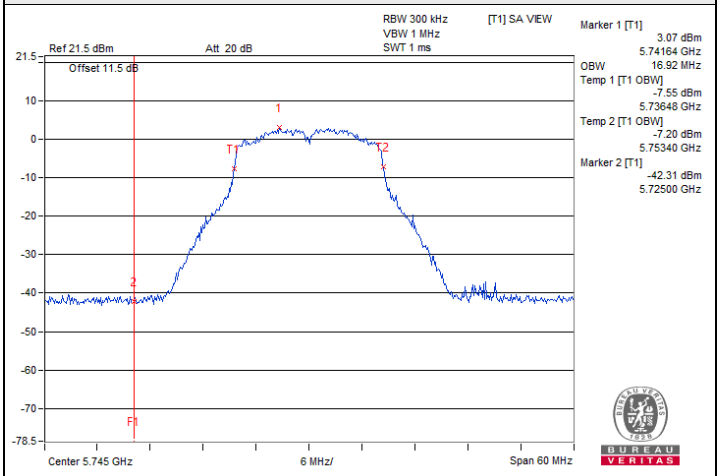
802.11a : CH 60

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



802.11a : CH 48

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



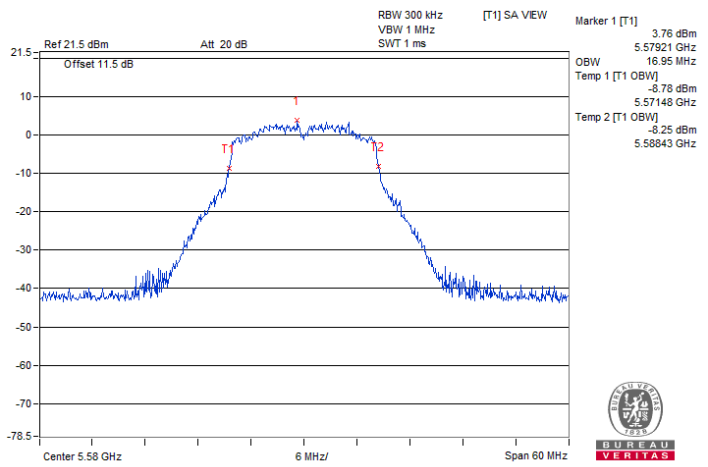
802.11a : CH 149

1TX_Chain 1

802.11a

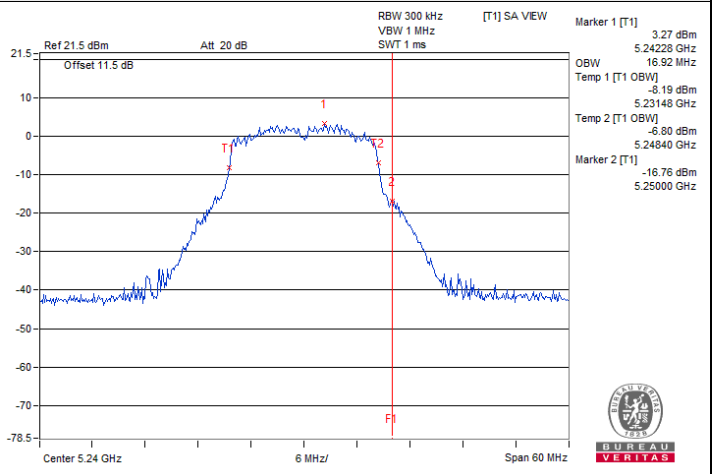
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	16.92
40	5200	16.8
48	5240	16.92
52	5260	16.92
60	5300	16.92
64	5320	16.92
100	5500	16.92
116	5580	16.95
140	5700	16.92
144 (U-NII-2C)	5720	13.64
144 (U-NII-3)	5720	3.52
149	5745	16.92
157	5785	16.92
165	5825	16.8

Spectrum Plot of Maximum Value



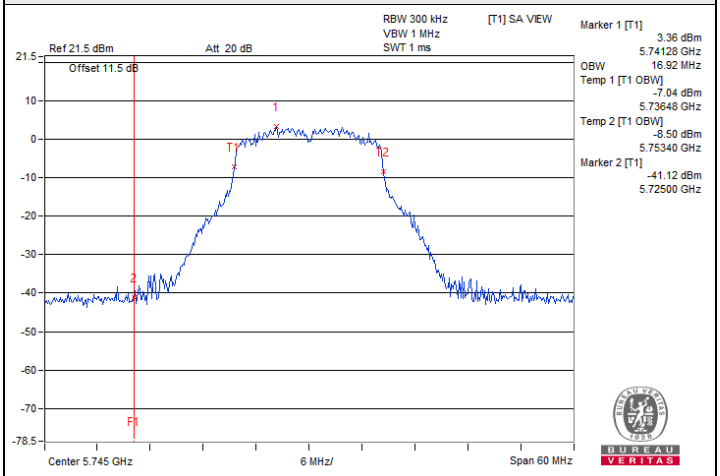
802.11a : CH 116

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



802.11a : CH 48

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



802.11a : CH 149

2TX

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	19.08
40	5200	19.08	18.96
48	5240	19.08	19.08
52	5260	19.08	18.84
60	5300	19.08	18.96
64	5320	19.08	19.08
100	5500	19.08	19.08
116	5580	19.08	19.08
140	5700	18.84	18.96
144 (U-NII-2C)	5720	14.60	14.60
144 (U-NII-3)	5720	4.36	4.48
149	5745	18.96	18.96
157	5785	19.08	19.08
165	5825	18.96	18.84

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	38.40	38.16
46	5230	37.68	37.68
54	5270	37.92	37.92
62	5310	37.92	37.68
102	5510	37.92	37.92
110	5550	37.92	37.68
134	5670	37.68	37.68
142 (U-NII-2C)	5710	33.96	33.96
142 (U-NII-3)	5710	3.72	3.96
151	5755	37.68	37.68
159	5795	37.68	37.68

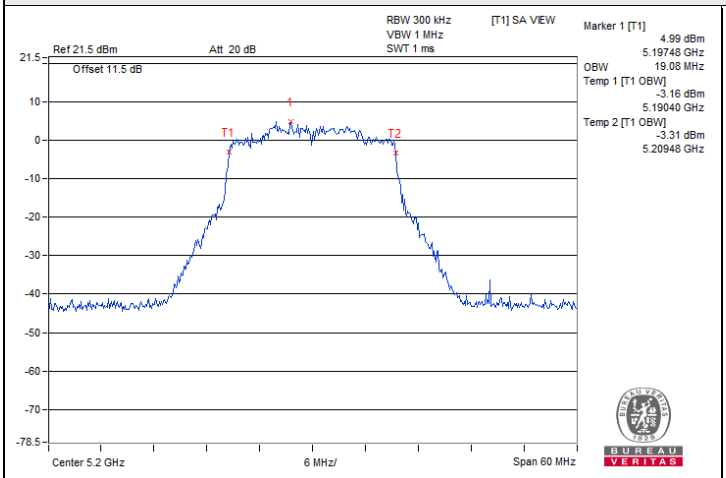
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.87	76.52
58	5290	76.80	77.28
106	5530	76.80	77.28
122	5610	76.80	76.80
138 (U-NII-2C)	5690	73.61	73.61
138 (U-NII-3)	5690	3.26	3.26
155	5775	76.80	76.80

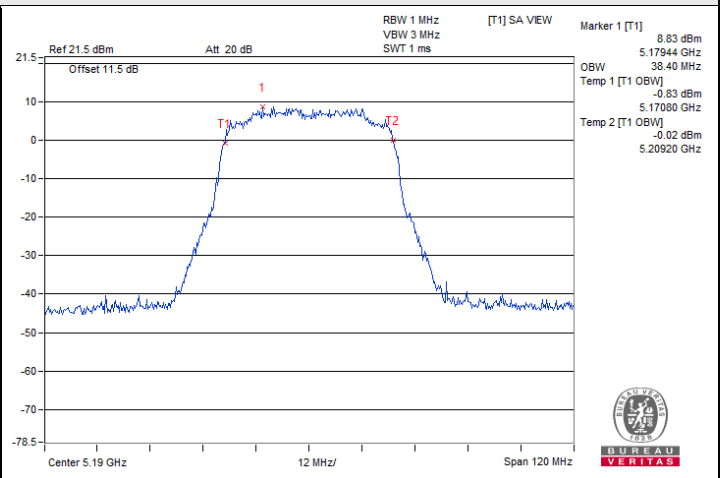
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	77.76	77.76
50 (U-NII-2A)	5250	77.76	77.76
114	5570	154.56	154.56

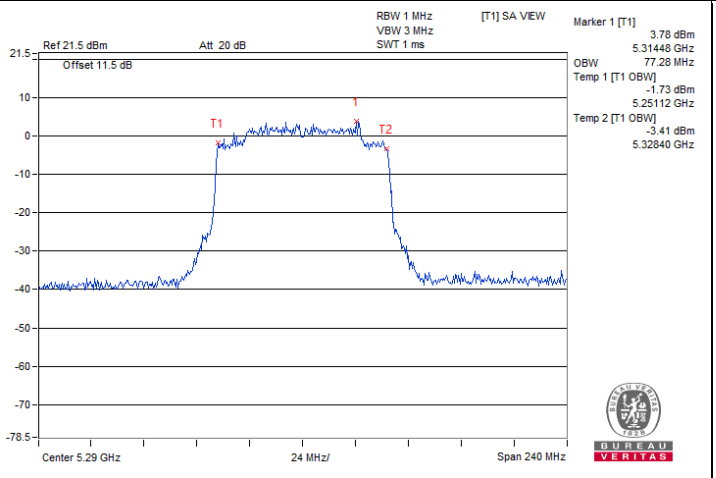
Spectrum Plot of Maximum Value



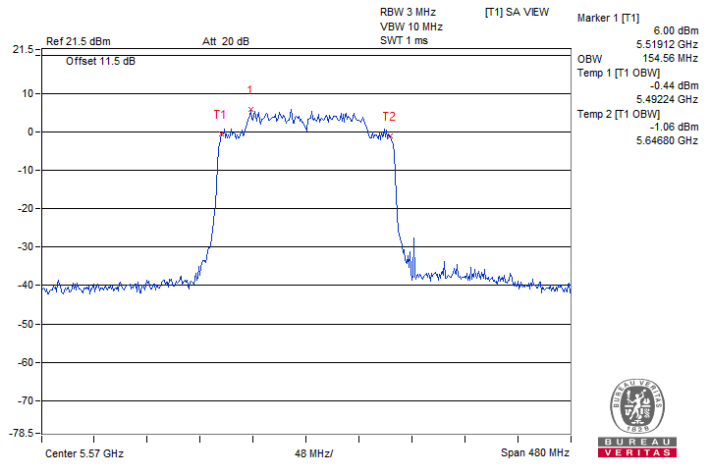
802.11ax (HE20) / Chain 0 : CH 40



802.11ax (HE40) / Chain 0 : CH 38



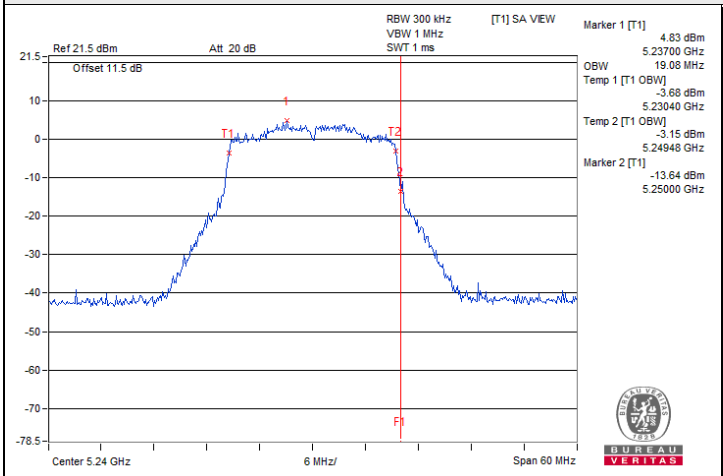
802.11ax (HE80) / Chain 1 : CH 58



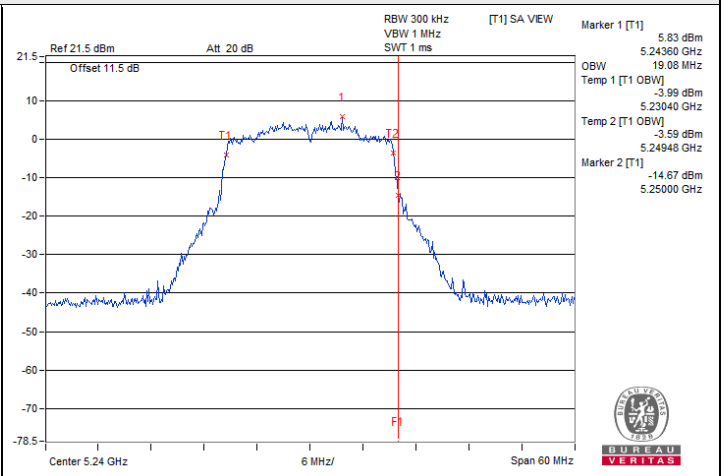
802.11ax (HE160) / Chain 0 : CH 114

Spectrum Plot for nearby DFS band

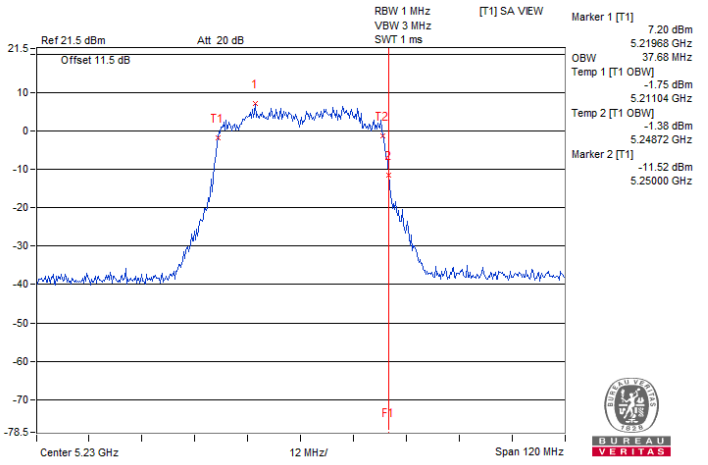
(DFS is required, if 99% OCP straddle into U-NII-2A)



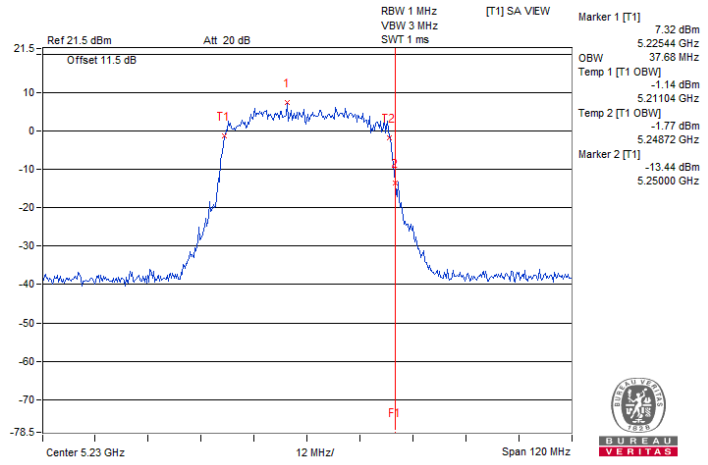
802.11ax (HE20) / Chain 0 : CH 48



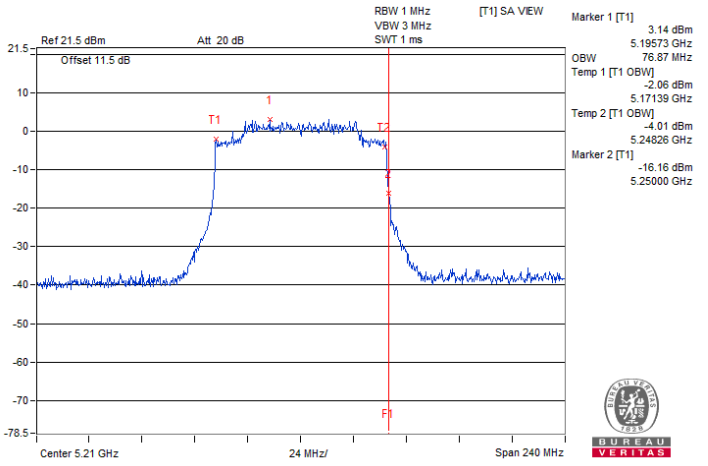
802.11ax (HE20) / Chain 1 : CH 48



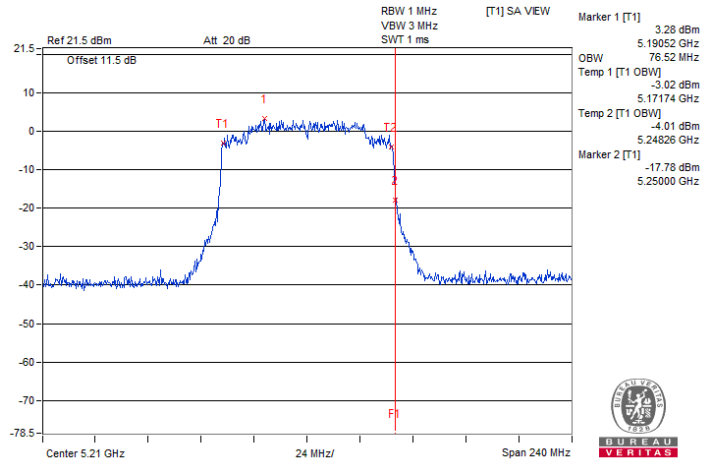
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46



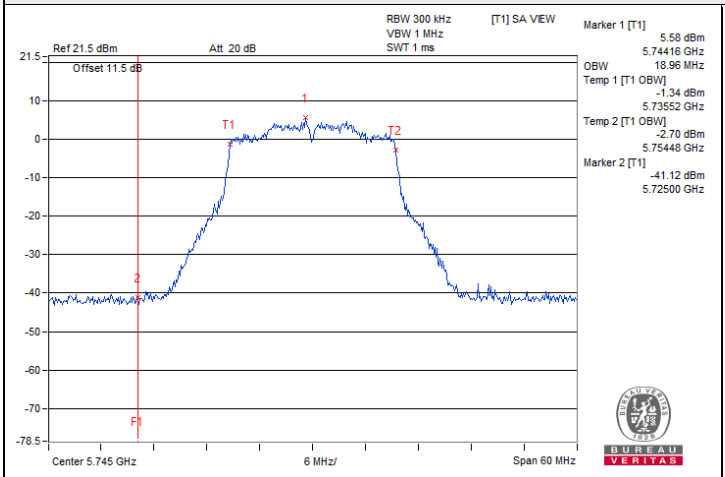
802.11ax (HE80) / Chain 0 : CH 42



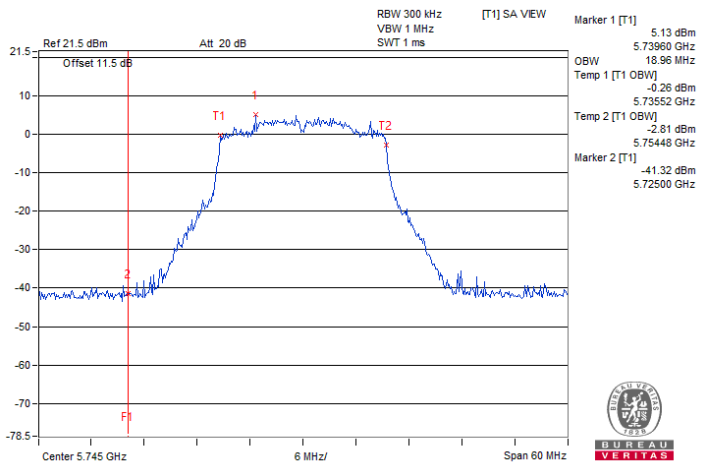
802.11ax (HE80) / Chain 1 : CH 42

Spectrum Plot for nearby DFS band

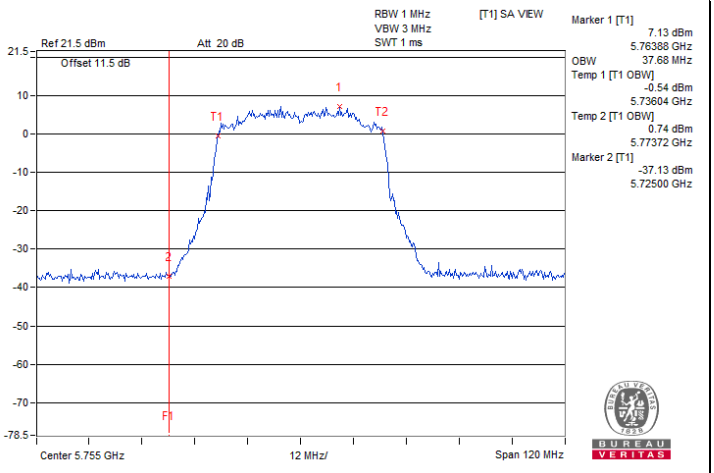
(DFS is required, if 99% OCP straddle into U-NII-2C)



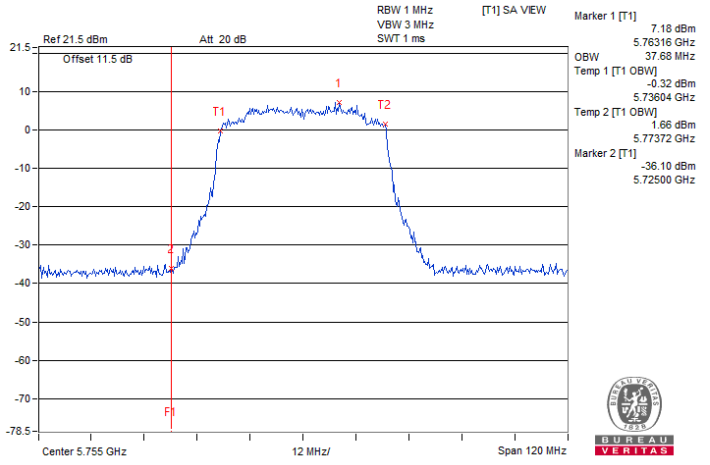
802.11ax (HE20) / Chain 0 : CH 149



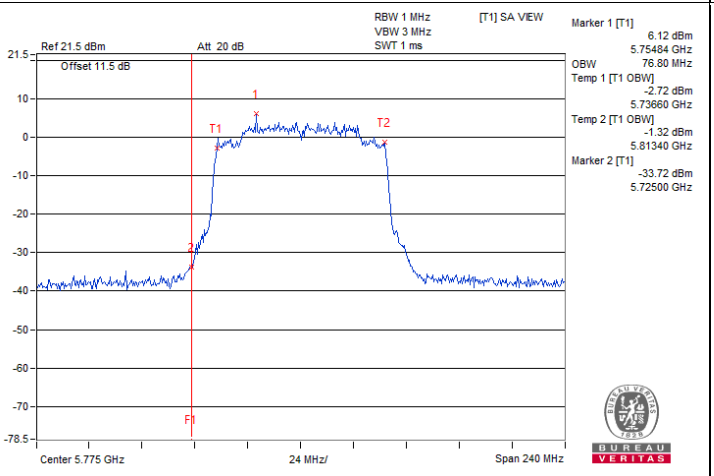
802.11ax (HE20) / Chain 1 : CH 149



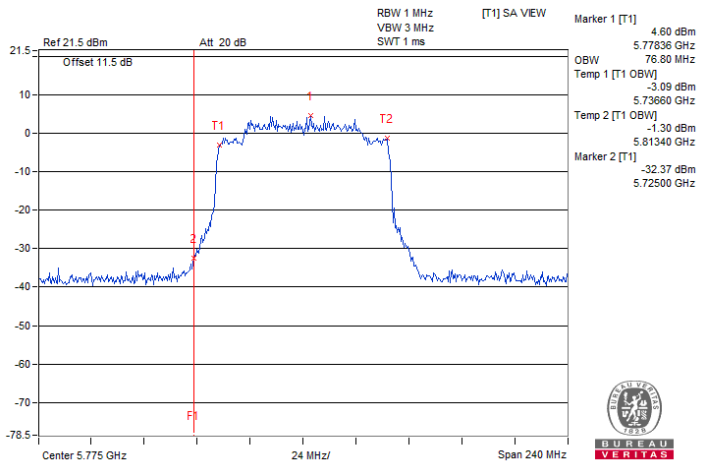
802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE40) / Chain 1 : CH 151



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Gary Lin

1TX_Chain 0

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
55	120	5179.9782	Pass	5179.9771	Pass	5179.974	Pass	5179.9782	Pass
50	120	5180.0112	Pass	5180.0122	Pass	5180.0132	Pass	5180.0132	Pass
40	120	5179.9854	Pass	5179.983	Pass	5179.9852	Pass	5179.9813	Pass
30	120	5179.9916	Pass	5179.9933	Pass	5179.9919	Pass	5179.9923	Pass
20	120	5180.0084	Pass	5180.0109	Pass	5180.0103	Pass	5180.0069	Pass
10	120	5179.9795	Pass	5179.9817	Pass	5179.9789	Pass	5179.9771	Pass
0	120	5179.9727	Pass	5179.973	Pass	5179.9745	Pass	5179.9766	Pass
-10	120	5179.9731	Pass	5179.9741	Pass	5179.9736	Pass	5179.9765	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5180.002	Pass	5180.004	Pass	5180.0008	Pass	5180.0002	Pass
	120	5180.0084	Pass	5180.0109	Pass	5180.0103	Pass	5180.0069	Pass
	102	5180.019	Pass	5180.0199	Pass	5180.02	Pass	5180.0198	Pass

1TX_Chain 1

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
55	120	5180.0094	Pass	5180.0082	Pass	5180.0068	Pass	5180.011	Pass
50	120	5180.0145	Pass	5180.0103	Pass	5180.0138	Pass	5180.0138	Pass
40	120	5180.005	Pass	5180.005	Pass	5180.0072	Pass	5180.0033	Pass
30	120	5179.9912	Pass	5179.9878	Pass	5179.9916	Pass	5179.9868	Pass
20	120	5180.0029	Pass	5180.0044	Pass	5180.0038	Pass	5180.0056	Pass
10	120	5180.0151	Pass	5180.0173	Pass	5180.0146	Pass	5180.0152	Pass
0	120	5179.9832	Pass	5179.986	Pass	5179.9823	Pass	5179.9844	Pass
-10	120	5180.0104	Pass	5180.0062	Pass	5180.0109	Pass	5180.0086	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5180.0075	Pass	5180.0095	Pass	5180.0114	Pass	5180.0108	Pass
	120	5180.0029	Pass	5180.0044	Pass	5180.0038	Pass	5180.0056	Pass
	102	5179.9983	Pass	5179.9992	Pass	5179.9993	Pass	5179.9991	Pass

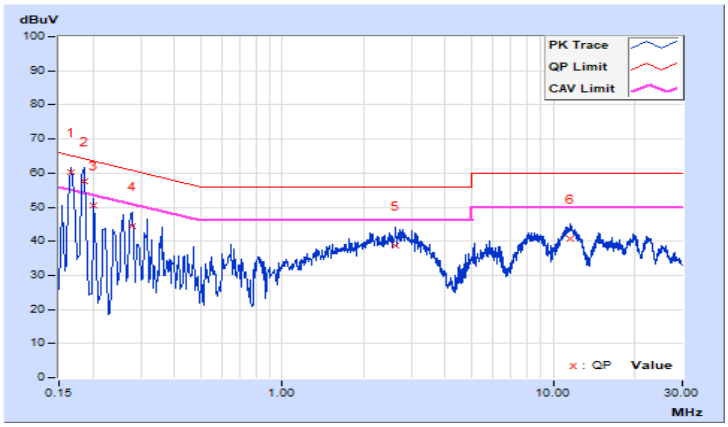
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	**0.16600**	**10.20**	**50.06**	**32.69**	**60.26**	**42.89**	**65.16**	**55.16**	**-4.90**	**-12.27**
2	0.18568	10.21	47.44	30.13	57.65	40.34	64.23	54.23	-6.58	-13.89
3	0.20200	10.22	40.31	19.62	50.53	29.84	63.53	53.53	-13.00	-23.69
4	0.27786	10.23	34.10	18.91	44.33	29.14	60.88	50.88	-16.55	-21.74
5	2.61400	10.36	28.29	22.19	38.65	32.55	56.00	46.00	-17.35	-13.45
6	11.50600	10.50	30.17	24.55	40.67	35.05	60.00	50.00	-19.33	-14.95

Remarks:

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

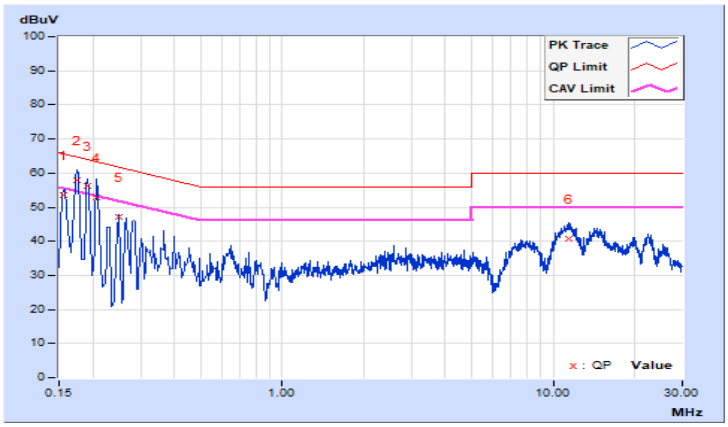


RF Mode	802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 75% RH
Tested By	Rex Wang		

Phase Of Power : Neutral (N)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15645	10.18	43.22	25.30	53.40	35.48	65.65	55.65	-12.25	-20.17
2	0.17400	10.19	47.86	31.14	58.05	41.33	64.77	54.77	-6.72	-13.44
3	0.19000	10.20	45.89	30.56	56.09	40.76	64.04	54.04	-7.95	-13.28
4	0.20600	10.21	42.69	22.87	52.90	33.08	63.37	53.37	-10.47	-20.29
5	0.25000	10.22	36.85	18.12	47.07	28.34	61.76	51.76	-14.69	-23.42
6	11.44200	10.57	30.20	24.53	40.77	35.10	60.00	50.00	-19.23	-14.90

Remarks:

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



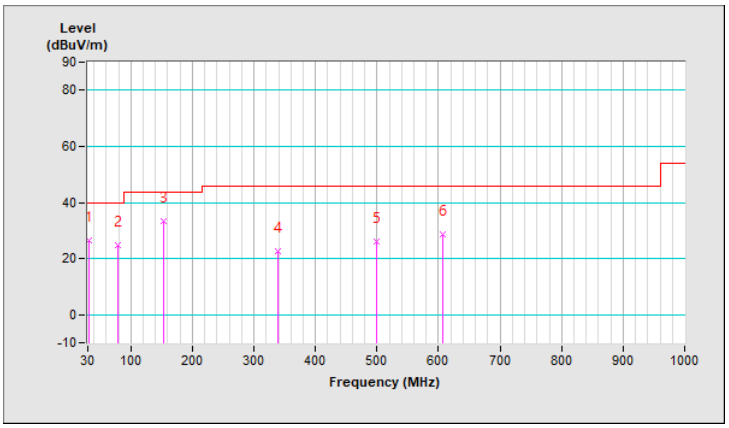
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	**Channel**	CH 38：5190 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	32.91	26.5 QP	40.0	-13.5	1.50 H	45	36.9	-10.4
2	78.50	24.8 QP	40.0	-15.2	1.00 H	18	37.8	-13.0
3	154.16	33.2 QP	43.5	-10.3	1.50 H	140	41.7	-8.5
4	339.43	22.7 QP	46.0	-23.3	2.00 H	198	28.6	-5.9
5	499.48	26.1 QP	46.0	-19.9	1.00 H	272	28.6	-2.5
6	606.18	28.6 QP	46.0	-17.4	1.00 H	355	28.8	-0.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

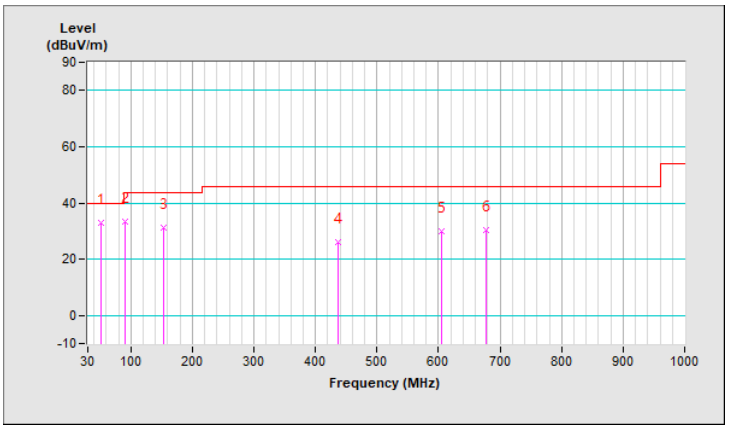


RF Mode	802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**51.34**	**33.0 QP**	**40.0**	**-7.0**	**1.50 V**	**5**	**41.9**	**-8.9**
2	91.11	33.2 QP	43.5	-10.3	1.50 V	5	47.8	-14.6
3	153.19	31.2 QP	43.5	-12.3	1.00 V	35	39.9	-8.7
4	437.40	26.1 QP	46.0	-19.9	1.00 V	211	29.7	-3.6
5	605.21	29.8 QP	46.0	-16.2	1.50 V	350	30.1	-0.3
6	677.96	30.4 QP	46.0	-15.6	2.00 V	58	29.5	0.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.9 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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	3.62 H	287	39.1	21.2
2	5150.00	47.4 AV	54.0	-6.6	3.62 H	287	26.2	21.2
3	*5180.00	101.7 PK			3.62 H	287	60.1	41.6
4	*5180.00	91.4 AV			3.62 H	287	49.8	41.6
5	#10360.00	63.9 PK	68.2	-4.3	1.86 H	279	39.3	24.6
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	60.2 PK	74.0	-13.8	2.34 V	47	39.0	21.2
2	5150.00	47.3 AV	54.0	-6.7	2.34 V	47	26.1	21.2
3	*5180.00	101.1 PK			2.34 V	47	59.5	41.6
4	*5180.00	90.9 AV			2.34 V	47	49.3	41.6
5	#10360.00	63.6 PK	68.2	-4.6	2.22 V	116	39.0	24.6

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	100.9 PK			3.58 H	288	59.3	41.6
2	*5200.00	91.0 AV			3.58 H	288	49.4	41.6
3	#10400.00	64.1 PK	68.2	-4.1	1.89 H	285	39.5	24.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	99.9 PK			1.25 V	32	58.3	41.6
2	*5200.00	90.2 AV			1.25 V	32	48.6	41.6
3	#10400.00	63.7 PK	68.2	-4.5	2.28 V	116	39.1	24.6

Remarks:

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

RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	100.9 PK			3.58 H	298	59.4	41.5
2	*5240.00	90.8 AV			3.58 H	298	49.3	41.5
3	5350.00	59.8 PK	74.0	-14.2	3.58 H	298	38.7	21.1
4	5350.00	46.7 AV	54.0	-7.3	3.58 H	298	25.6	21.1
5	#10480.00	63.8 PK	68.2	-4.4	1.92 H	277	38.7	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	99.9 PK			1.22 V	32	58.4	41.5
2	*5240.00	89.8 AV			1.22 V	32	48.3	41.5
3	5350.00	59.4 PK	74.0	-14.6	1.22 V	27	38.3	21.1
4	5350.00	46.6 AV	54.0	-7.4	1.22 V	27	25.5	21.1
5	#10480.00	63.6 PK	68.2	-4.6	2.24 V	117	38.5	25.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	3.68 H	280	38.9	21.2
2	5150.00	46.9 AV	54.0	-7.1	3.68 H	280	25.7	21.2
3	*5260.00	99.4 PK			3.68 H	280	58.0	41.4
4	*5260.00	88.9 AV			3.68 H	280	47.5	41.4
5	**#10520.00**	**64.6 PK**	**68.2**	**-3.6**	**1.88 H**	**276**	**39.4**	**25.2**
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.35 V	27	38.8	21.2
2	5150.00	46.8 AV	54.0	-7.2	1.35 V	27	25.6	21.2
3	*5260.00	99.1 PK			1.35 V	27	57.7	41.4
4	*5260.00	88.6 AV			1.35 V	27	47.2	41.4
5	#10520.00	64.1 PK	68.2	-4.1	2.26 V	122	38.9	25.2

Remarks:

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

RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	98.5 PK			3.69 H	83	57.5	41.0
2	*5300.00	89.0 AV			3.69 H	83	48.0	41.0
3	10600.00	64.0 PK	74.0	-10.0	1.87 H	276	38.8	25.2
4	10600.00	50.0 AV	54.0	-4.0	1.87 H	276	24.8	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	98.1 PK			1.06 V	25	57.1	41.0
2	*5300.00	88.6 AV			1.06 V	25	47.6	41.0
3	10600.00	63.9 PK	74.0	-10.1	2.24 V	118	38.7	25.2
4	10600.00	49.7 AV	54.0	-4.3	2.24 V	118	24.5	25.2

Remarks:

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

RF Mode	802.11a	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	99.2 PK			3.78 H	82	58.2	41.0
2	*5320.00	89.3 AV			3.78 H	82	48.3	41.0
3	5350.00	59.9 PK	74.0	-14.1	3.78 H	82	38.8	21.1
4	5350.00	46.4 AV	54.0	-7.6	3.78 H	82	25.3	21.1
5	10640.00	64.5 PK	74.0	-9.5	1.96 H	274	38.8	25.7
6	10640.00	49.9 AV	54.0	-4.1	1.96 H	274	24.2	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	98.8 PK			1.37 V	35	57.8	41.0
2	*5320.00	89.1 AV			1.37 V	35	48.1	41.0
3	5350.00	59.7 PK	74.0	-14.3	1.37 V	35	38.6	21.1
4	5350.00	46.3 AV	54.0	-7.7	1.37 V	35	25.2	21.1
5	10640.00	64.3 PK	74.0	-9.7	2.25 V	116	38.6	25.7
6	10640.00	49.7 AV	54.0	-4.3	2.25 V	116	24.0	25.7

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.9 PK	74.0	-13.1	3.67 H	85	38.8	22.1
2	5460.00	48.1 AV	54.0	-5.9	3.67 H	85	26.0	22.1
3	#5470.00	61.0 PK	68.2	-7.2	3.67 H	85	38.9	22.1
4	*5500.00	102.1 PK			3.67 H	85	60.1	42.0
5	*5500.00	92.0 AV			3.67 H	85	50.0	42.0
6	11000.00	64.5 PK	74.0	-9.5	2.29 H	299	37.8	26.7
7	11000.00	49.2 AV	54.0	-4.8	2.29 H	299	22.5	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.8 PK	74.0	-13.2	2.52 V	40	38.7	22.1
2	5460.00	48.0 AV	54.0	-6.0	2.52 V	40	25.9	22.1
3	#5470.00	60.8 PK	68.2	-7.4	2.52 V	40	38.7	22.1
4	*5500.00	101.3 PK			2.52 V	40	59.3	42.0
5	*5500.00	91.3 AV			2.52 V	40	49.3	42.0
6	11000.00	64.3 PK	74.0	-9.7	2.09 V	128	37.6	26.7
7	11000.00	49.0 AV	54.0	-5.0	2.09 V	128	22.3	26.7

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 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	101.9 PK			3.62 H	87	60.1	41.8
2	*5580.00	91.8 AV			3.62 H	87	50.0	41.8
3	11160.00	64.3 PK	74.0	-9.7	2.35 H	293	37.8	26.5
4	11160.00	49.0 AV	54.0	-5.0	2.35 H	293	22.5	26.5
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	*5580.00	101.3 PK			2.55 V	43	59.5	41.8
2	*5580.00	91.3 AV			2.55 V	43	49.5	41.8
3	11160.00	64.1 PK	74.0	-9.9	2.13 V	133	37.6	26.5
4	11160.00	48.8 AV	54.0	-5.2	2.13 V	133	22.3	26.5

Remarks:

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

RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	101.6 PK			3.42 H	90	59.4	42.2
2	*5700.00	91.4 AV			3.42 H	90	49.2	42.2
3	#5725.00	60.7 PK	68.2	-7.5	3.42 H	90	38.2	22.5
4	11400.00	65.5 PK	74.0	-8.5	2.42 H	290	37.7	27.8
5	11400.00	50.1 AV	54.0	-3.9	2.42 H	290	22.3	27.8
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	*5700.00	100.3 PK			2.43 V	45	58.1	42.2
2	*5700.00	90.6 AV			2.43 V	45	48.4	42.2
3	#5725.00	60.5 PK	68.2	-7.7	2.43 V	45	38.0	22.5
4	11400.00	65.3 PK	74.0	-8.7	2.11 V	125	37.5	27.8
5	11400.00	50.0 AV	54.0	-4.0	2.11 V	125	22.2	27.8

Remarks:

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

RF Mode	802.11a	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.6 PK	68.2	-6.6	3.41 H	78	39.5	22.1
2	*5720.00	102.6 PK			3.41 H	78	60.3	42.3
3	*5720.00	92.1 AV			3.41 H	78	49.8	42.3
4	#5850.00	61.4 PK	68.2	-6.8	3.41 H	78	38.4	23.0
5	11440.00	65.7 PK	74.0	-8.3	2.33 H	293	37.9	27.8
6	11440.00	49.9 AV	54.0	-4.1	2.33 H	293	22.1	27.8
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	#5470.00	61.4 PK	68.2	-6.8	2.63 V	43	39.3	22.1
2	*5720.00	101.0 PK			2.63 V	43	58.7	42.3
3	*5720.00	91.1 AV			2.63 V	43	48.8	42.3
4	#5850.00	61.3 PK	68.2	-6.9	2.63 V	43	38.3	23.0
5	11440.00	65.5 PK	74.0	-8.5	2.18 V	133	37.7	27.8
6	11440.00	49.7 AV	54.0	-4.3	2.18 V	133	21.9	27.8

Remarks:

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

RF Mode	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5608.00	60.5 PK	68.2	-7.7	3.58 H	76	38.6	21.9
2	*5745.00	101.9 PK			3.58 H	76	59.5	42.4
3	*5745.00	92.1 AV			3.58 H	76	49.7	42.4
4	#5994.80	60.6 PK	68.2	-7.6	3.58 H	76	37.5	23.1
5	11490.00	65.9 PK	74.0	-8.1	2.22 H	299	38.1	27.8
6	11490.00	50.1 AV	54.0	-3.9	2.22 H	299	22.3	27.8
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	#5606.00	60.7 PK	68.2	-7.5	1.87 V	43	38.8	21.9
2	*5745.00	101.5 PK			1.87 V	43	59.1	42.4
3	*5745.00	91.4 AV			1.87 V	43	49.0	42.4
4	#5952.00	60.4 PK	68.2	-7.8	1.87 V	43	37.5	22.9
5	11490.00	65.6 PK	74.0	-8.4	1.93 V	118	37.8	27.8
6	11490.00	49.8 AV	54.0	-4.2	1.93 V	118	22.0	27.8

Remarks:

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

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.60	60.8 PK	68.2	-7.4	3.21 H	79	38.7	22.1
2	*5785.00	102.6 PK			3.21 H	79	59.9	42.7
3	*5785.00	92.4 AV			3.21 H	79	49.7	42.7
4	#5958.00	60.8 PK	68.2	-7.4	3.21 H	79	37.7	23.1
5	11570.00	66.0 PK	74.0	-8.0	2.31 H	287	38.2	27.8
6	11570.00	50.0 AV	54.0	-4.0	2.31 H	287	22.2	27.8
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	#5638.00	60.6 PK	68.2	-7.6	1.92 V	45	38.5	22.1
2	*5785.00	101.4 PK			1.92 V	45	58.7	42.7
3	*5785.00	91.7 AV			1.92 V	45	49.0	42.7
4	#5926.00	60.7 PK	68.2	-7.5	1.92 V	45	37.7	23.0
5	11570.00	65.8 PK	74.0	-8.2	1.99 V	124	38.0	27.8
6	11570.00	49.8 AV	54.0	-4.2	1.99 V	124	22.0	27.8

Remarks:

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

RF Mode	802.11a	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5615.20	60.7 PK	68.2	-7.5	3.30 H	79	38.7	22.0
2	*5825.00	102.8 PK			3.30 H	79	60.0	42.8
3	*5825.00	92.7 AV			3.30 H	79	49.9	42.8
4	#5925.60	60.0 PK	68.2	-8.2	3.30 H	79	37.0	23.0
5	11650.00	65.5 PK	74.0	-8.5	2.27 H	294	38.3	27.2
6	11650.00	49.5 AV	54.0	-4.5	2.27 H	294	22.3	27.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.40	60.9 PK	68.2	-7.3	1.90 V	44	38.8	22.1
2	*5825.00	102.0 PK			1.90 V	44	59.2	42.8
3	*5825.00	91.8 AV			1.90 V	44	49.0	42.8
4	#5957.20	60.0 PK	68.2	-8.2	1.90 V	44	36.9	23.1
5	11650.00	65.3 PK	74.0	-8.7	1.92 V	120	38.1	27.2
6	11650.00	49.4 AV	54.0	-4.6	1.92 V	120	22.2	27.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	3.62 H	287	39.7	21.2
2	5150.00	47.4 AV	54.0	-6.6	3.62 H	287	26.2	21.2
3	*5180.00	107.3 PK			3.62 H	287	65.7	41.6
4	*5180.00	95.3 AV			3.62 H	287	53.7	41.6
5	#10360.00	64.0 PK	68.2	-4.2	1.87 H	299	39.4	24.6
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	60.8 PK	74.0	-13.2	1.10 V	8	39.6	21.2
2	5150.00	47.2 AV	54.0	-6.8	1.10 V	8	26.0	21.2
3	*5180.00	107.1 PK			1.10 V	8	65.5	41.6
4	*5180.00	94.4 AV			1.10 V	8	52.8	41.6
5	#10360.00	63.9 PK	68.2	-4.3	2.23 V	115	39.3	24.6

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.4 PK			3.60 H	288	65.8	41.6
2	*5200.00	95.4 AV			3.60 H	288	53.8	41.6
3	#10400.00	64.1 PK	68.2	-4.1	1.84 H	296	39.5	24.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.1 PK			1.26 V	11	65.5	41.6
2	*5200.00	95.0 AV			1.26 V	11	53.4	41.6
3	#10400.00	64.0 PK	68.2	-4.2	2.20 V	118	39.4	24.6

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 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	107.0 PK			3.75 H	289	65.5	41.5
2	*5240.00	94.2 AV			3.75 H	289	52.7	41.5
3	5350.00	60.4 PK	74.0	-13.6	3.75 H	289	39.3	21.1
4	5350.00	47.0 AV	54.0	-7.0	3.75 H	289	25.9	21.1
5	#10480.00	64.4 PK	68.2	-3.8	1.85 H	292	39.3	25.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	106.5 PK			1.33 V	9	65.0	41.5
2	*5240.00	93.9 AV			1.33 V	9	52.4	41.5
3	5350.00	60.2 PK	74.0	-13.8	1.33 V	9	39.1	21.1
4	5350.00	46.8 AV	54.0	-7.2	1.33 V	9	25.7	21.1
5	#10480.00	64.2 PK	68.2	-4.0	2.29 V	113	39.1	25.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.
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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	3.53 H	291	38.8	21.2
2	5150.00	47.2 AV	54.0	-6.8	3.53 H	291	26.0	21.2
3	*5260.00	105.2 PK			3.53 H	291	63.8	41.4
4	*5260.00	93.6 AV			3.53 H	291	52.2	41.4
5	#10520.00	64.0 PK	68.2	-4.2	1.84 H	287	38.8	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.21 V	27	38.6	21.2
2	5150.00	47.1 AV	54.0	-6.9	1.21 V	27	25.9	21.2
3	*5260.00	104.9 PK			1.21 V	27	63.5	41.4
4	*5260.00	93.4 AV			1.21 V	27	52.0	41.4
5	#10520.00	63.8 PK	68.2	-4.4	2.20 V	114	38.6	25.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	104.9 PK			4.00 H	73	63.9	41.0
2	*5300.00	92.6 AV			4.00 H	73	51.6	41.0
3	10600.00	64.0 PK	74.0	-10.0	1.93 H	287	38.8	25.2
4	10600.00	49.5 AV	54.0	-4.5	1.93 H	287	24.3	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	103.8 PK			1.06 V	25	62.8	41.0
2	*5300.00	92.0 AV			1.06 V	25	51.0	41.0
3	10600.00	63.7 PK	74.0	-10.3	2.24 V	112	38.5	25.2
4	10600.00	49.2 AV	54.0	-4.8	2.24 V	112	24.0	25.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	104.8 PK			4.00 H	83	63.8	41.0
2	*5320.00	92.6 AV			4.00 H	83	51.6	41.0
3	5350.00	59.6 PK	74.0	-14.4	4.00 H	83	38.5	21.1
4	5350.00	46.7 AV	54.0	-7.3	4.00 H	83	25.6	21.1
5	10640.00	64.5 PK	74.0	-9.5	1.90 H	289	38.8	25.7
6	10640.00	49.8 AV	54.0	-4.2	1.90 H	289	24.1	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	103.6 PK			1.00 V	21	62.6	41.0
2	*5320.00	92.1 AV			1.00 V	21	51.1	41.0
3	5350.00	59.4 PK	74.0	-14.6	1.00 V	21	38.3	21.1
4	5350.00	46.5 AV	54.0	-7.5	1.00 V	21	25.4	21.1
5	10640.00	64.3 PK	74.0	-9.7	2.26 V	119	38.6	25.7
6	10640.00	49.5 AV	54.0	-4.5	2.26 V	119	23.8	25.7

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	3.62 H	85	39.7	22.1
2	5460.00	48.2 AV	54.0	-5.8	3.62 H	85	26.1	22.1
3	#5470.00	61.9 PK	68.2	-6.3	3.62 H	85	39.8	22.1
4	*5500.00	107.1 PK			3.62 H	85	65.1	42.0
5	*5500.00	94.6 AV			3.62 H	85	52.6	42.0
6	11000.00	65.5 PK	74.0	-8.5	2.05 H	292	38.8	26.7
7	11000.00	49.8 AV	54.0	-4.2	2.05 H	292	23.1	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.6 PK	74.0	-12.4	2.69 V	39	39.5	22.1
2	5460.00	48.1 AV	54.0	-5.9	2.69 V	39	26.0	22.1
3	#5470.00	61.7 PK	68.2	-6.5	2.69 V	39	39.6	22.1
4	*5500.00	106.0 PK			2.69 V	39	64.0	42.0
5	*5500.00	93.8 AV			2.69 V	39	51.8	42.0
6	11000.00	65.3 PK	74.0	-8.7	2.37 V	123	38.6	26.7
7	11000.00	49.6 AV	54.0	-4.4	2.37 V	123	22.9	26.7

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 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	106.1 PK			3.69 H	82	64.3	41.8
2	*5580.00	93.9 AV			3.69 H	82	52.1	41.8
3	11160.00	65.3 PK	74.0	-8.7	2.10 H	298	38.8	26.5
4	11160.00	49.5 AV	54.0	-4.5	2.10 H	298	23.0	26.5
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	*5580.00	105.3 PK			2.72 V	42	63.5	41.8
2	*5580.00	93.1 AV			2.72 V	42	51.3	41.8
3	11160.00	65.0 PK	74.0	-9.0	2.40 V	118	38.5	26.5
4	11160.00	49.2 AV	54.0	-4.8	2.40 V	118	22.7	26.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	106.4 PK			3.27 H	86	64.2	42.2
2	*5700.00	94.0 AV			3.27 H	86	51.8	42.2
3	#5725.00	60.0 PK	68.2	-8.2	3.27 H	86	37.5	22.5
4	11400.00	66.3 PK	74.0	-7.7	2.02 H	289	38.5	27.8
5	11400.00	50.0 AV	54.0	-4.0	2.02 H	289	22.2	27.8
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	*5700.00	105.8 PK			2.52 V	37	63.6	42.2
2	*5700.00	93.2 AV			2.52 V	37	51.0	42.2
3	#5725.00	59.8 PK	68.2	-8.4	2.52 V	37	37.3	22.5
4	11400.00	66.2 PK	74.0	-7.8	2.40 V	119	38.4	27.8
5	11400.00	49.8 AV	54.0	-4.2	2.40 V	119	22.0	27.8

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 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.1 PK	68.2	-7.1	3.29 H	77	39.0	22.1
2	*5720.00	105.8 PK			3.29 H	77	63.5	42.3
3	*5720.00	93.3 AV			3.29 H	77	51.0	42.3
4	#5850.00	61.9 PK	68.2	-6.3	3.29 H	77	38.9	23.0
5	11440.00	66.6 PK	74.0	-7.4	2.13 H	297	38.8	27.8
6	11440.00	49.9 AV	54.0	-4.1	2.13 H	297	22.1	27.8
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	#5470.00	60.9 PK	68.2	-7.3	2.61 V	38	38.8	22.1
2	*5720.00	104.4 PK			2.61 V	38	62.1	42.3
3	*5720.00	92.4 AV			2.61 V	38	50.1	42.3
4	#5850.00	61.7 PK	68.2	-6.5	2.61 V	38	38.7	23.0
5	11440.00	66.4 PK	74.0	-7.6	2.35 V	120	38.6	27.8
6	11440.00	49.8 AV	54.0	-4.2	2.35 V	120	22.0	27.8

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 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.00	59.6 PK	68.2	-8.6	3.56 H	77	37.5	22.1
2	*5745.00	105.0 PK			3.56 H	77	62.6	42.4
3	*5745.00	92.5 AV			3.56 H	77	50.1	42.4
4	#5967.20	61.1 PK	68.2	-7.1	3.56 H	77	38.0	23.1
5	11490.00	66.8 PK	74.0	-7.2	2.05 H	299	39.0	27.8
6	11490.00	50.1 AV	54.0	-3.9	2.05 H	299	22.3	27.8
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	#5621.60	60.4 PK	68.2	-7.8	2.72 V	42	38.4	22.0
2	*5745.00	103.7 PK			2.72 V	42	61.3	42.4
3	*5745.00	91.6 AV			2.72 V	42	49.2	42.4
4	#5998.80	60.9 PK	68.2	-7.3	2.72 V	42	37.8	23.1
5	11490.00	66.5 PK	74.0	-7.5	2.34 V	117	38.7	27.8
6	11490.00	49.8 AV	54.0	-4.2	2.34 V	117	22.0	27.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5650.00	60.8 PK	68.2	-7.4	3.50 H	89	38.7	22.1
2	*5785.00	104.8 PK			3.50 H	89	62.1	42.7
3	*5785.00	92.8 AV			3.50 H	89	50.1	42.7
4	#5954.80	62.4 PK	68.2	-5.8	3.50 H	89	39.4	23.0
5	11570.00	66.5 PK	74.0	-7.5	2.13 H	292	38.7	27.8
6	11570.00	49.9 AV	54.0	-4.1	2.13 H	292	22.1	27.8
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	#5642.80	60.5 PK	68.2	-7.7	2.81 V	46	38.4	22.1
2	*5785.00	103.8 PK			2.81 V	46	61.1	42.7
3	*5785.00	92.0 AV			2.81 V	46	49.3	42.7
4	#5953.60	61.6 PK	68.2	-6.6	2.81 V	46	38.7	22.9
5	11570.00	66.3 PK	74.0	-7.7	2.42 V	121	38.5	27.8
6	11570.00	49.8 AV	54.0	-4.2	2.42 V	121	22.0	27.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5636.80	59.9 PK	68.2	-8.3	3.78 H	87	37.8	22.1
2	*5825.00	104.6 PK			3.78 H	87	61.8	42.8
3	*5825.00	92.5 AV			3.78 H	87	49.7	42.8
4	#5968.40	61.4 PK	68.2	-6.8	3.78 H	87	38.3	23.1
5	11650.00	66.2 PK	74.0	-7.8	2.09 H	287	39.0	27.2
6	11650.00	49.6 AV	54.0	-4.4	2.09 H	287	22.4	27.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.80	60.4 PK	68.2	-7.8	2.67 V	44	38.5	21.9
2	*5825.00	103.4 PK			2.67 V	44	60.6	42.8
3	*5825.00	91.8 AV			2.67 V	44	49.0	42.8
4	#5939.20	61.9 PK	68.2	-6.3	2.67 V	44	39.0	22.9
5	11650.00	65.9 PK	74.0	-8.1	2.39 V	122	38.7	27.2
6	11650.00	49.3 AV	54.0	-4.7	2.39 V	122	22.1	27.2

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.5 PK	74.0	-13.5	3.61 H	289	39.3	21.2
2	5150.00	47.4 AV	54.0	-6.6	3.61 H	289	26.2	21.2
3	*5190.00	105.6 PK			3.61 H	289	64.0	41.6
4	*5190.00	92.5 AV			3.61 H	289	50.9	41.6
5	#10380.00	64.0 PK	68.2	-4.2	1.92 H	289	39.4	24.6
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	60.2 PK	74.0	-13.8	1.06 V	10	39.0	21.2
2	5150.00	47.2 AV	54.0	-6.8	1.06 V	10	26.0	21.2
3	*5190.00	104.0 PK			1.06 V	10	62.4	41.6
4	*5190.00	91.3 AV			1.06 V	10	49.7	41.6
5	#10380.00	63.5 PK	68.2	-4.7	2.21 V	117	38.9	24.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	104.9 PK			3.60 H	297	63.4	41.5
2	*5230.00	91.8 AV			3.60 H	297	50.3	41.5
3	5350.00	60.2 PK	74.0	-13.8	3.60 H	297	39.1	21.1
4	5350.00	46.9 AV	54.0	-7.1	3.60 H	297	25.8	21.1
5	#10460.00	64.0 PK	68.2	-4.2	1.87 H	293	39.0	25.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	104.0 PK			1.37 V	9	62.5	41.5
2	*5230.00	91.5 AV			1.37 V	9	50.0	41.5
3	5350.00	60.1 PK	74.0	-13.9	1.37 V	9	39.0	21.1
4	5350.00	46.8 AV	54.0	-7.2	1.37 V	9	25.7	21.1
5	#10460.00	63.8 PK	68.2	-4.4	2.28 V	112	38.8	25.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	3.81 H	76	38.9	21.2
2	5150.00	46.8 AV	54.0	-7.2	3.81 H	76	25.6	21.2
3	*5270.00	102.5 PK			3.81 H	76	61.2	41.3
4	*5270.00	90.4 AV			3.81 H	76	49.1	41.3
5	#10540.00	64.3 PK	68.2	-3.9	1.96 H	284	38.9	25.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.23 V	28	38.6	21.2
2	5150.00	46.5 AV	54.0	-7.5	1.23 V	28	25.3	21.2
3	*5270.00	102.1 PK			1.23 V	28	60.8	41.3
4	*5270.00	90.0 AV			1.23 V	28	48.7	41.3
5	#10540.00	64.0 PK	68.2	-4.2	2.23 V	119	38.6	25.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	101.7 PK			4.00 H	73	60.7	41.0
2	*5310.00	89.5 AV			4.00 H	73	48.5	41.0
3	5350.00	59.9 PK	74.0	-14.1	4.00 H	73	38.8	21.1
4	5350.00	46.5 AV	54.0	-7.5	4.00 H	73	25.4	21.1
5	10620.00	64.4 PK	74.0	-9.6	1.98 H	286	38.9	25.5
6	10620.00	50.0 AV	54.0	-4.0	1.98 H	286	24.5	25.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	100.6 PK			1.20 V	25	59.6	41.0
2	*5310.00	89.2 AV			1.20 V	25	48.2	41.0
3	5350.00	59.7 PK	74.0	-14.3	1.20 V	25	38.6	21.1
4	5350.00	46.4 AV	54.0	-7.6	1.20 V	25	25.3	21.1
5	10620.00	64.1 PK	74.0	-9.9	2.16 V	118	38.6	25.5
6	10620.00	49.8 AV	54.0	-4.2	2.16 V	118	24.3	25.5

Remarks:

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

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 (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.3 PK	74.0	-13.7	3.85 H	74	38.2	22.1
2	5460.00	47.5 AV	54.0	-6.5	3.85 H	74	25.4	22.1
3	#5470.00	61.1 PK	68.2	-7.1	3.85 H	74	39.0	22.1
4	*5510.00	104.1 PK			3.85 H	74	62.2	41.9
5	*5510.00	91.4 AV			3.85 H	74	49.5	41.9
6	11020.00	65.7 PK	74.0	-8.3	2.09 H	291	39.0	26.7
7	11020.00	49.2 AV	54.0	-4.8	2.09 H	291	22.5	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	3.65 V	49	38.0	22.1
2	5460.00	47.4 AV	54.0	-6.6	3.65 V	49	25.3	22.1
3	#5470.00	61.0 PK	68.2	-7.2	3.65 V	49	38.9	22.1
4	*5510.00	103.4 PK			3.65 V	49	61.5	41.9
5	*5510.00	90.7 AV			3.65 V	49	48.8	41.9
6	11020.00	65.5 PK	74.0	-8.5	2.46 V	125	38.8	26.7
7	11020.00	49.1 AV	54.0	-4.9	2.46 V	125	22.4	26.7

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 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	103.4 PK			3.76 H	74	61.5	41.9
2	*5550.00	91.2 AV			3.76 H	74	49.3	41.9
3	11100.00	65.6 PK	74.0	-8.4	2.03 H	301	39.1	26.5
4	11100.00	49.1 AV	54.0	-4.9	2.03 H	301	22.6	26.5
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	*5550.00	102.7 PK			3.55 V	43	60.8	41.9
2	*5550.00	90.3 AV			3.55 V	43	48.4	41.9
3	11100.00	65.3 PK	74.0	-8.7	2.50 V	118	38.8	26.5
4	11100.00	48.9 AV	54.0	-5.1	2.50 V	118	22.4	26.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	104.8 PK			3.72 H	82	62.7	42.1
2	*5670.00	91.6 AV			3.72 H	82	49.5	42.1
3	#5725.00	61.9 PK	68.2	-6.3	3.72 H	82	39.4	22.5
4	11340.00	66.0 PK	74.0	-8.0	2.18 H	291	38.9	27.1
5	11340.00	49.4 AV	54.0	-4.6	2.18 H	291	22.3	27.1
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	*5670.00	104.2 PK			3.42 V	50	62.1	42.1
2	*5670.00	91.0 AV			3.42 V	50	48.9	42.1
3	#5725.00	61.6 PK	68.2	-6.6	3.42 V	50	39.1	22.5
4	11340.00	65.8 PK	74.0	-8.2	2.36 V	120	38.7	27.1
5	11340.00	49.2 AV	54.0	-4.8	2.36 V	120	22.1	27.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 142：5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	61.7 PK	68.2	-6.5	3.28 H	85	39.6	22.1
2	*5710.00	103.7 PK			3.28 H	85	61.4	42.3
3	*5710.00	91.1 AV			3.28 H	85	48.8	42.3
4	#5850.00	61.9 PK	68.2	-6.3	3.28 H	85	38.9	23.0
5	11420.00	66.8 PK	74.0	-7.2	2.06 H	287	39.0	27.8
6	11420.00	49.9 AV	54.0	-4.1	2.06 H	287	22.1	27.8
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	#5470.00	61.4 PK	68.2	-6.8	3.67 V	47	39.3	22.1
2	*5710.00	103.3 PK			3.67 V	47	61.0	42.3
3	*5710.00	90.3 AV			3.67 V	47	48.0	42.3
4	#5850.00	61.6 PK	68.2	-6.6	3.67 V	47	38.6	23.0
5	11420.00	66.5 PK	74.0	-7.5	2.38 V	121	38.7	27.8
6	11420.00	49.6 AV	54.0	-4.4	2.38 V	121	21.8	27.8

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 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.80	60.7 PK	68.2	-7.5	3.36 H	88	38.7	22.0
2	*5755.00	101.8 PK			3.36 H	88	59.4	42.4
3	*5755.00	89.3 AV			3.36 H	88	46.9	42.4
4	#5998.00	61.2 PK	68.2	-7.0	3.36 H	88	38.1	23.1
5	11510.00	66.9 PK	74.0	-7.1	2.18 H	292	38.9	28.0
6	11510.00	49.9 AV	54.0	-4.1	2.18 H	292	21.9	28.0
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	#5618.00	60.7 PK	68.2	-7.5	2.58 V	45	38.7	22.0
2	*5755.00	101.1 PK			2.58 V	45	58.7	42.4
3	*5755.00	88.3 AV			2.58 V	45	45.9	42.4
4	#5994.40	61.7 PK	68.2	-6.5	2.58 V	45	38.6	23.1
5	11510.00	66.7 PK	74.0	-7.3	2.47 V	125	38.7	28.0
6	11510.00	49.7 AV	54.0	-4.3	2.47 V	125	21.7	28.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.60	60.1 PK	68.2	-8.1	3.50 H	89	38.2	21.9
2	*5795.00	102.2 PK			3.50 H	89	59.5	42.7
3	*5795.00	89.6 AV			3.50 H	89	46.9	42.7
4	#5962.80	61.0 PK	68.2	-7.2	3.50 H	89	37.9	23.1
5	11590.00	66.9 PK	74.0	-7.1	2.03 H	288	39.2	27.7
6	11590.00	50.0 AV	54.0	-4.0	2.03 H	288	22.3	27.7
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	#5628.00	59.9 PK	68.2	-8.3	2.83 V	47	37.9	22.0
2	*5795.00	101.2 PK			2.83 V	47	58.5	42.7
3	*5795.00	88.7 AV			2.83 V	47	46.0	42.7
4	#5968.00	61.6 PK	68.2	-6.6	2.83 V	47	38.5	23.1
5	11590.00	66.7 PK	74.0	-7.3	2.29 V	122	39.0	27.7
6	11590.00	49.8 AV	54.0	-4.2	2.29 V	122	22.1	27.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	3.62 H	291	39.9	21.2
2	5150.00	47.3 AV	54.0	-6.7	3.62 H	291	26.1	21.2
3	*5210.00	102.4 PK			3.62 H	291	60.9	41.5
4	*5210.00	89.4 AV			3.62 H	291	47.9	41.5
5	#10420.00	64.0 PK	68.2	-4.2	1.88 H	295	39.3	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.0 PK	74.0	-13.0	1.37 V	11	39.8	21.2
2	5150.00	47.2 AV	54.0	-6.8	1.37 V	11	26.0	21.2
3	*5210.00	102.1 PK			1.37 V	11	60.6	41.5
4	*5210.00	89.0 AV			1.37 V	11	47.5	41.5
5	#10420.00	63.9 PK	68.2	-4.3	2.26 V	123	39.2	24.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	99.2 PK			3.61 H	73	58.1	41.1
2	*5290.00	86.6 AV			3.61 H	73	45.5	41.1
3	5350.00	61.3 PK	74.0	-12.7	3.61 H	73	40.2	21.1
4	5350.00	46.9 AV	54.0	-7.1	3.61 H	73	25.8	21.1
5	#10580.00	64.0 PK	68.2	-4.2	1.92 H	285	38.7	25.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	98.9 PK			1.19 V	25	57.8	41.1
2	*5290.00	86.5 AV			1.19 V	25	45.4	41.1
3	5350.00	61.1 PK	74.0	-12.9	1.19 V	25	40.0	21.1
4	5350.00	46.6 AV	54.0	-7.4	1.19 V	25	25.5	21.1
5	#10580.00	63.8 PK	68.2	-4.4	2.29 V	124	38.5	25.3

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	3.99 H	77	39.8	22.1
2	5460.00	48.3 AV	54.0	-5.7	3.99 H	77	26.2	22.1
3	#5470.00	61.4 PK	68.2	-6.8	3.99 H	77	39.3	22.1
4	*5530.00	101.2 PK			3.99 H	77	59.3	41.9
5	*5530.00	88.3 AV			3.99 H	77	46.4	41.9
6	11060.00	64.5 PK	74.0	-9.5	2.08 H	297	37.9	26.6
7	11060.00	49.4 AV	54.0	-4.6	2.08 H	297	22.8	26.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	3.58 V	48	39.7	22.1
2	5460.00	48.0 AV	54.0	-6.0	3.58 V	48	25.9	22.1
3	#5470.00	61.2 PK	68.2	-7.0	3.58 V	48	39.1	22.1
4	*5530.00	100.9 PK			3.58 V	48	59.0	41.9
5	*5530.00	87.8 AV			3.58 V	48	45.9	41.9
6	11060.00	64.1 PK	74.0	-9.9	2.52 V	123	37.5	26.6
7	11060.00	49.1 AV	54.0	-4.9	2.52 V	123	22.5	26.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5610.00	101.2 PK			3.56 H	80	59.5	41.7
2	*5610.00	88.5 AV			3.56 H	80	46.8	41.7
3	#5725.00	60.8 PK	68.2	-7.4	3.56 H	80	38.3	22.5
4	11220.00	64.8 PK	74.0	-9.2	2.00 H	293	38.1	26.7
5	11220.00	49.3 AV	54.0	-4.7	2.00 H	293	22.6	26.7
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	*5610.00	100.6 PK			3.67 V	47	58.9	41.7
2	*5610.00	87.7 AV			3.67 V	47	46.0	41.7
3	#5725.00	60.5 PK	68.2	-7.7	3.67 V	47	38.0	22.5
4	11220.00	64.5 PK	74.0	-9.5	2.37 V	124	37.8	26.7
5	11220.00	49.1 AV	54.0	-4.9	2.37 V	124	22.4	26.7

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.9 PK	68.2	-7.3	3.70 H	78	38.8	22.1
2	*5690.00	102.7 PK			3.70 H	78	60.5	42.2
3	*5690.00	89.3 AV			3.70 H	78	47.1	42.2
4	#5850.00	60.6 PK	68.2	-7.6	3.70 H	78	37.6	23.0
5	11380.00	65.9 PK	74.0	-8.1	2.07 H	297	38.3	27.6
6	11380.00	49.9 AV	54.0	-4.1	2.07 H	297	22.3	27.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	60.7 PK	68.2	-7.5	3.52 V	49	38.6	22.1
2	*5690.00	101.9 PK			3.52 V	49	59.7	42.2
3	*5690.00	88.8 AV			3.52 V	49	46.6	42.2
4	#5850.00	60.5 PK	68.2	-7.7	3.52 V	49	37.5	23.0
5	11380.00	65.6 PK	74.0	-8.4	2.61 V	117	38.0	27.6
6	11380.00	49.6 AV	54.0	-4.4	2.61 V	117	22.0	27.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.60	59.0 PK	68.2	-9.2	3.51 H	89	37.0	22.0
2	*5775.00	100.1 PK			3.51 H	89	57.5	42.6
3	*5775.00	87.2 AV			3.51 H	89	44.6	42.6
4	#5958.00	61.4 PK	68.2	-6.8	3.51 H	89	38.3	23.1
5	11550.00	66.9 PK	74.0	-7.1	2.16 H	297	39.0	27.9
6	11550.00	50.0 AV	54.0	-4.0	2.16 H	297	22.1	27.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.40	58.9 PK	68.2	-9.3	2.63 V	45	36.8	22.1
2	*5775.00	99.1 PK			2.63 V	45	56.5	42.6
3	*5775.00	86.5 AV			2.63 V	45	43.9	42.6
4	#5959.20	60.4 PK	68.2	-7.8	2.63 V	45	37.3	23.1
5	11550.00	66.7 PK	74.0	-7.3	2.41 V	120	38.8	27.9
6	11550.00	49.8 AV	54.0	-4.2	2.41 V	120	21.9	27.9

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	3.82 H	74	38.9	21.2
2	5150.00	47.3 AV	54.0	-6.7	3.82 H	74	26.1	21.2
3	*5250.00	95.6 PK			3.82 H	74	54.1	41.5
4	*5250.00	85.3 AV			3.82 H	74	43.8	41.5
5	5350.00	60.2 PK	74.0	-13.8	3.82 H	74	39.1	21.1
6	5350.00	47.2 AV	54.0	-6.8	3.82 H	74	26.1	21.1
7	#10500.00	64.1 PK	68.2	-4.1	1.98 H	286	38.9	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.17 V	29	38.8	21.2
2	5150.00	47.2 AV	54.0	-6.8	1.17 V	29	26.0	21.2
3	*5250.00	95.5 PK			1.17 V	29	54.0	41.5
4	*5250.00	84.8 AV			1.17 V	29	43.3	41.5
5	5350.00	60.0 PK	74.0	-14.0	1.17 V	29	38.9	21.1
6	5350.00	47.1 AV	54.0	-6.9	1.17 V	29	26.0	21.1
7	#10500.00	63.9 PK	68.2	-4.3	2.24 V	115	38.7	25.2

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	3.80 H	78	39.0	22.1
2	5460.00	47.8 AV	54.0	-6.2	3.80 H	78	25.7	22.1
3	#5470.00	61.3 PK	68.2	-6.9	3.80 H	78	39.2	22.1
4	*5570.00	99.4 PK			3.80 H	78	57.5	41.9
5	*5570.00	85.8 AV			3.80 H	78	43.9	41.9
6	#5725.00	60.9 PK	68.2	-7.3	3.80 H	78	38.4	22.5
7	11140.00	64.7 PK	74.0	-9.3	2.12 H	299	38.1	26.6
8	11140.00	49.2 AV	54.0	-4.8	2.12 H	299	22.6	26.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.9 PK	74.0	-13.1	3.63 V	48	38.8	22.1
2	5460.00	47.6 AV	54.0	-6.4	3.63 V	48	25.5	22.1
3	#5470.00	61.1 PK	68.2	-7.1	3.63 V	48	39.0	22.1
4	*5570.00	97.9 PK			3.63 V	48	56.0	41.9
5	*5570.00	85.0 AV			3.63 V	48	43.1	41.9
6	#5725.00	60.6 PK	68.2	-7.6	3.63 V	48	38.1	22.5
7	11140.00	64.5 PK	74.0	-9.5	2.49 V	120	37.9	26.6
8	11140.00	49.0 AV	54.0	-5.0	2.49 V	120	22.4	26.6

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	20 MHz Preamble 802.11ax (RU26)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.0 PK	74.0	-13.0	3.92 H	287	39.8	21.2
2	5150.00	47.8 AV	54.0	-6.2	3.92 H	287	26.6	21.2
3	*5180.00	111.9 PK			3.92 H	287	70.3	41.6
4	*5180.00	101.3 AV			3.92 H	287	59.7	41.6
5	#10360.00	64.2 PK	68.2	-4.0	2.09 H	309	39.6	24.6
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	60.9 PK	74.0	-13.1	1.03 V	12	39.7	21.2
2	5150.00	47.7 AV	54.0	-6.3	1.03 V	12	26.5	21.2
3	*5180.00	110.5 PK			1.03 V	12	68.9	41.6
4	*5180.00	100.5 AV			1.03 V	12	58.9	41.6
5	#10360.00	63.7 PK	68.2	-4.5	2.20 V	119	39.1	24.6

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	20 MHz Preamble 802.11ax (RU26)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.4 PK			4.00 H	80	68.4	41.0
2	*5320.00	99.0 AV			4.00 H	80	58.0	41.0
3	5350.00	60.9 PK	74.0	-13.1	4.00 H	80	39.8	21.1
4	5350.00	47.4 AV	54.0	-6.6	4.00 H	80	26.3	21.1
5	10640.00	64.7 PK	74.0	-9.3	1.93 H	293	39.0	25.7
6	10640.00	49.5 AV	54.0	-4.5	1.93 H	293	23.8	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	108.9 PK			1.08 V	31	67.9	41.0
2	*5320.00	98.1 AV			1.08 V	31	57.1	41.0
3	5350.00	60.7 PK	74.0	-13.3	1.08 V	31	39.6	21.1
4	5350.00	47.2 AV	54.0	-6.8	1.08 V	31	26.1	21.1
5	10640.00	64.5 PK	74.0	-9.5	2.33 V	120	38.8	25.7
6	10640.00	49.3 AV	54.0	-4.7	2.33 V	120	23.6	25.7

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	3.63 H	91	39.2	22.1
2	5460.00	48.5 AV	54.0	-5.5	3.63 H	91	26.4	22.1
3	#5470.00	61.9 PK	68.2	-6.3	3.63 H	91	39.8	22.1
4	*5500.00	110.7 PK			3.63 H	91	68.7	42.0
5	*5500.00	100.7 AV			3.63 H	91	58.7	42.0
6	11000.00	64.7 PK	74.0	-9.3	2.38 H	303	38.0	26.7
7	11000.00	49.0 AV	54.0	-5.0	2.38 H	303	22.3	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	2.63 V	34	39.0	22.1
2	5460.00	48.3 AV	54.0	-5.7	2.63 V	34	26.2	22.1
3	#5470.00	61.8 PK	68.2	-6.4	2.63 V	34	39.7	22.1
4	*5500.00	109.1 PK			2.63 V	34	67.1	42.0
5	*5500.00	99.8 AV			2.63 V	34	57.8	42.0
6	11000.00	64.5 PK	74.0	-9.5	2.13 V	120	37.8	26.7
7	11000.00	48.8 AV	54.0	-5.2	2.13 V	120	22.1	26.7

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.4 PK			3.25 H	81	68.2	42.2
2	*5700.00	100.3 AV			3.25 H	81	58.1	42.2
3	#5725.00	62.6 PK	68.2	-5.6	3.25 H	81	40.1	22.5
4	11400.00	66.5 PK	74.0	-7.5	2.11 H	292	38.7	27.8
5	11400.00	49.9 AV	54.0	-4.1	2.11 H	292	22.1	27.8
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	*5700.00	109.2 PK			2.42 V	35	67.0	42.2
2	*5700.00	99.2 AV			2.42 V	35	57.0	42.2
3	#5725.00	62.2 PK	68.2	-6.0	2.42 V	35	39.7	22.5
4	11400.00	66.3 PK	74.0	-7.7	2.37 V	120	38.5	27.8
5	11400.00	49.8 AV	54.0	-4.2	2.37 V	120	22.0	27.8

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU26)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.20	60.7 PK	68.2	-7.5	3.21 H	84	38.6	22.1
2	*5745.00	113.9 PK			3.21 H	84	71.5	42.4
3	*5745.00	101.5 AV			3.21 H	84	59.1	42.4
4	#5959.60	62.1 PK	68.2	-6.1	3.21 H	84	39.0	23.1
5	11490.00	66.1 PK	74.0	-7.9	2.33 H	287	38.3	27.8
6	11490.00	50.0 AV	54.0	-4.0	2.33 H	287	22.2	27.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.00	60.8 PK	68.2	-7.4	1.99 V	40	38.8	22.0
2	*5745.00	112.8 PK			1.99 V	40	70.4	42.4
3	*5745.00	100.4 AV			1.99 V	40	58.0	42.4
4	#5990.00	62.8 PK	68.2	-5.4	1.99 V	40	39.7	23.1
5	11490.00	65.9 PK	74.0	-8.1	1.85 V	112	38.1	27.8
6	11490.00	49.8 AV	54.0	-4.2	1.85 V	112	22.0	27.8

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.8 PK	74.0	-12.2	3.69 H	289	40.6	21.2
2	5150.00	47.7 AV	54.0	-6.3	3.69 H	289	26.5	21.2
3	*5180.00	111.9 PK			3.69 H	289	70.3	41.6
4	*5180.00	99.9 AV			3.69 H	289	58.3	41.6
5	#10360.00	64.1 PK	68.2	-4.1	2.13 H	312	39.5	24.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.4 PK	74.0	-12.6	1.05 V	12	40.2	21.2
2	5150.00	47.6 AV	54.0	-6.4	1.05 V	12	26.4	21.2
3	*5180.00	110.6 PK			1.05 V	12	69.0	41.6
4	*5180.00	98.8 AV			1.05 V	12	57.2	41.6
5	#10360.00	64.0 PK	68.2	-4.2	2.19 V	118	39.4	24.6

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	20 MHz Preamble 802.11ax (RU52)	Channel	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.8 PK			3.28 H	78	68.8	41.0
2	*5320.00	97.7 AV			3.28 H	78	56.7	41.0
3	5350.00	61.3 PK	74.0	-12.7	3.28 H	78	40.2	21.1
4	5350.00	47.3 AV	54.0	-6.7	3.28 H	78	26.2	21.1
5	10640.00	64.8 PK	74.0	-9.2	1.97 H	295	39.1	25.7
6	10640.00	49.4 AV	54.0	-4.6	1.97 H	295	23.7	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.0 PK			1.19 V	37	68.0	41.0
2	*5320.00	96.9 AV			1.19 V	37	55.9	41.0
3	5350.00	61.0 PK	74.0	-13.0	1.19 V	37	39.9	21.1
4	5350.00	47.1 AV	54.0	-6.9	1.19 V	37	26.0	21.1
5	10640.00	64.7 PK	74.0	-9.3	2.29 V	117	39.0	25.7
6	10640.00	49.2 AV	54.0	-4.8	2.29 V	117	23.5	25.7

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	3.82 H	91	40.0	22.1
2	5460.00	48.4 AV	54.0	-5.6	3.82 H	91	26.3	22.1
3	#5470.00	61.8 PK	68.2	-6.4	3.82 H	91	39.7	22.1
4	*5500.00	110.5 PK			3.82 H	91	68.5	42.0
5	*5500.00	97.9 AV			3.82 H	91	55.9	42.0
6	11000.00	64.6 PK	74.0	-9.4	2.37 H	297	37.9	26.7
7	11000.00	48.9 AV	54.0	-5.1	2.37 H	297	22.2	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.9 PK	74.0	-12.1	2.52 V	39	39.8	22.1
2	5460.00	48.2 AV	54.0	-5.8	2.52 V	39	26.1	22.1
3	#5470.00	61.6 PK	68.2	-6.6	2.52 V	39	39.5	22.1
4	*5500.00	109.3 PK			2.52 V	39	67.3	42.0
5	*5500.00	96.8 AV			2.52 V	39	54.8	42.0
6	11000.00	64.5 PK	74.0	-9.5	2.03 V	117	37.8	26.7
7	11000.00	48.7 AV	54.0	-5.3	2.03 V	117	22.0	26.7

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.0 PK			3.25 H	83	68.8	42.2
2	*5700.00	98.5 AV			3.25 H	83	56.3	42.2
3	#5725.00	62.9 PK	68.2	-5.3	3.25 H	83	40.4	22.5
4	11400.00	66.6 PK	74.0	-7.4	2.07 H	293	38.8	27.8
5	11400.00	50.0 AV	54.0	-4.0	2.07 H	293	22.2	27.8
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	*5700.00	110.1 PK			2.37 V	31	67.9	42.2
2	*5700.00	97.4 AV			2.37 V	31	55.2	42.2
3	#5725.00	62.6 PK	68.2	-5.6	2.37 V	31	40.1	22.5
4	11400.00	66.4 PK	74.0	-7.6	2.29 V	117	38.6	27.8
5	11400.00	49.8 AV	54.0	-4.2	2.29 V	117	22.0	27.8

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU52)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5630.00	60.9 PK	68.2	-7.3	3.21 H	83	38.9	22.0
2	*5745.00	112.2 PK			3.21 H	83	69.8	42.4
3	*5745.00	98.8 AV			3.21 H	83	56.4	42.4
4	#5934.00	61.9 PK	68.2	-6.3	3.21 H	83	38.9	23.0
5	11490.00	66.0 PK	74.0	-8.0	2.29 H	291	38.2	27.8
6	11490.00	49.7 AV	54.0	-4.3	2.29 H	291	21.9	27.8
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	#5611.20	61.1 PK	68.2	-7.1	1.93 V	37	39.2	21.9
2	*5745.00	111.4 PK			1.93 V	37	69.0	42.4
3	*5745.00	97.9 AV			1.93 V	37	55.5	42.4
4	#5953.20	61.7 PK	68.2	-6.5	1.93 V	37	38.8	22.9
5	11490.00	65.8 PK	74.0	-8.2	1.87 V	119	38.0	27.8
6	11490.00	49.5 AV	54.0	-4.5	1.87 V	119	21.7	27.8

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU106)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	3.68 H	291	39.7	21.2
2	5150.00	47.8 AV	54.0	-6.2	3.68 H	291	26.6	21.2
3	*5180.00	108.6 PK			3.68 H	291	67.0	41.6
4	*5180.00	96.7 AV			3.68 H	291	55.1	41.6
5	#10360.00	63.9 PK	68.2	-4.3	2.11 H	311	39.3	24.6
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	60.7 PK	74.0	-13.3	1.07 V	10	39.5	21.2
2	5150.00	47.7 AV	54.0	-6.3	1.07 V	10	26.5	21.2
3	*5180.00	107.8 PK			1.07 V	10	66.2	41.6
4	*5180.00	95.6 AV			1.07 V	10	54.0	41.6
5	#10360.00	63.8 PK	68.2	-4.4	2.42 V	120	39.2	24.6

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	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 64：5320 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5320.00	108.1 PK			3.26 H	81	67.1	41.0
2	*5320.00	95.3 AV			3.26 H	81	54.3	41.0
3	5350.00	61.1 PK	74.0	-12.9	3.26 H	81	40.0	21.1
4	5350.00	47.5 AV	54.0	-6.5	3.26 H	81	26.4	21.1
5	10640.00	64.6 PK	74.0	-9.4	1.95 H	292	38.9	25.7
6	10640.00	49.3 AV	54.0	-4.7	1.95 H	292	23.6	25.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5320.00	107.3 PK			1.09 V	29	66.3	41.0
2	*5320.00	94.4 AV			1.09 V	29	53.4	41.0
3	5350.00	60.8 PK	74.0	-13.2	1.09 V	29	39.7	21.1
4	5350.00	47.2 AV	54.0	-6.8	1.09 V	29	26.1	21.1
5	10640.00	64.5 PK	74.0	-9.5	2.27 V	117	38.8	25.7
6	10640.00	49.2 AV	54.0	-4.8	2.27 V	117	23.5	25.7

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	62.0 PK	74.0	-12.0	3.61 H	93	39.9	22.1
2	5460.00	48.4 AV	54.0	-5.6	3.61 H	93	26.3	22.1
3	#5470.00	61.9 PK	68.2	-6.3	3.61 H	93	39.8	22.1
4	*5500.00	107.6 PK			3.61 H	93	65.6	42.0
5	*5500.00	95.5 AV			3.61 H	93	53.5	42.0
6	11000.00	64.8 PK	74.0	-9.2	2.30 H	292	38.1	26.7
7	11000.00	49.1 AV	54.0	-4.9	2.30 H	292	22.4	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	61.8 PK	74.0	-12.2	2.69 V	30	39.7	22.1
2	5460.00	48.2 AV	54.0	-5.8	2.69 V	30	26.1	22.1
3	#5470.00	61.8 PK	68.2	-6.4	2.69 V	30	39.7	22.1
4	*5500.00	106.3 PK			2.69 V	30	64.3	42.0
5	*5500.00	94.6 AV			2.69 V	30	52.6	42.0
6	11000.00	64.6 PK	74.0	-9.4	2.07 V	117	37.9	26.7
7	11000.00	48.8 AV	54.0	-5.2	2.07 V	117	22.1	26.7

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5700.00	108.5 PK			3.27 H	82	66.3	42.2
2	*5700.00	95.9 AV			3.27 H	82	53.7	42.2
3	#5725.00	62.6 PK	68.2	-5.6	3.27 H	82	40.1	22.5
4	11400.00	66.8 PK	74.0	-7.2	2.11 H	295	39.0	27.8
5	**11400.00**	**50.1 AV**	**54.0**	**-3.9**	**2.11 H**	**295**	**22.3**	**27.8**
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	*5700.00	107.6 PK			2.37 V	36	65.4	42.2
2	*5700.00	94.9 AV			2.37 V	36	52.7	42.2
3	#5725.00	62.2 PK	68.2	-6.0	2.37 V	36	39.7	22.5
4	11400.00	66.5 PK	74.0	-7.5	2.31 V	124	38.7	27.8
5	11400.00	49.9 AV	54.0	-4.1	2.31 V	124	22.1	27.8

Remarks:

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

RF Mode	20 MHz Preamble 802.11ax (RU106)	**Channel**	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5638.80	60.8 PK	68.2	-7.4	3.24 H	78	38.7	22.1
2	*5745.00	108.7 PK			3.24 H	78	66.3	42.4
3	*5745.00	95.2 AV			3.24 H	78	52.8	42.4
4	#5948.40	62.2 PK	68.2	-6.0	3.24 H	78	39.3	22.9
5	11490.00	66.4 PK	74.0	-7.6	2.33 H	294	38.6	27.8
6	11490.00	49.9 AV	54.0	-4.1	2.33 H	294	22.1	27.8
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	#5649.20	61.5 PK	68.2	-6.7	1.97 V	39	39.4	22.1
2	*5745.00	107.7 PK			1.97 V	39	65.3	42.4
3	*5745.00	94.2 AV			1.97 V	39	51.8	42.4
4	#5951.60	62.3 PK	68.2	-5.9	1.97 V	39	39.4	22.9
5	11490.00	66.1 PK	74.0	-7.9	1.82 V	123	38.3	27.8
6	11490.00	49.6 AV	54.0	-4.4	1.82 V	123	21.8	27.8

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	40 MHz Preamble 802.11ax (RU242)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	3.61 H	291	39.9	21.2
2	5150.00	47.9 AV	54.0	-6.1	3.61 H	291	26.7	21.2
3	*5190.00	107.4 PK			3.61 H	291	65.8	41.6
4	*5190.00	94.8 AV			3.61 H	291	53.2	41.6
5	#10380.00	64.1 PK	68.2	-4.1	1.99 H	293	39.5	24.6
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	60.9 PK	74.0	-13.1	1.13 V	20	39.7	21.2
2	5150.00	47.7 AV	54.0	-6.3	1.13 V	20	26.5	21.2
3	*5190.00	106.3 PK			1.13 V	20	64.7	41.6
4	*5190.00	93.8 AV			1.13 V	20	52.2	41.6
5	#10380.00	63.9 PK	68.2	-4.3	2.28 V	120	39.3	24.6

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	40 MHz Preamble 802.11ax (RU242)	**Channel**	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5310.00	105.8 PK			3.74 H	76	64.8	41.0
2	*5310.00	92.3 AV			3.74 H	76	51.3	41.0
3	5350.00	61.0 PK	74.0	-13.0	3.74 H	76	39.9	21.1
4	5350.00	47.2 AV	54.0	-6.8	3.74 H	76	26.1	21.1
5	10620.00	64.5 PK	74.0	-9.5	2.07 H	288	39.0	25.5
6	10620.00	49.7 AV	54.0	-4.3	2.07 H	288	24.2	25.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5310.00	104.7 PK			1.17 V	21	63.7	41.0
2	*5310.00	91.4 AV			1.17 V	21	50.4	41.0
3	5350.00	60.5 PK	74.0	-13.5	1.17 V	21	39.4	21.1
4	5350.00	47.0 AV	54.0	-7.0	1.17 V	21	25.9	21.1
5	10620.00	64.2 PK	74.0	-9.8	2.07 V	117	38.7	25.5
6	10620.00	49.3 AV	54.0	-4.7	2.07 V	117	23.8	25.5

Remarks:

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

RF Mode	40 MHz Preamble 802.11ax (RU242)	**Channel**	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	60.9 PK	74.0	-13.1	3.85 H	74	38.8	22.1
2	5460.00	47.8 AV	54.0	-6.2	3.85 H	74	25.7	22.1
3	#5470.00	61.2 PK	68.2	-7.0	3.85 H	74	39.1	22.1
4	*5510.00	106.2 PK			3.85 H	74	64.3	41.9
5	*5510.00	93.4 AV			3.85 H	74	51.5	41.9
6	11020.00	65.8 PK	74.0	-8.2	2.14 H	297	39.1	26.7
7	11020.00	49.0 AV	54.0	-5.0	2.14 H	297	22.3	26.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	60.8 PK	74.0	-13.2	1.10 V	24	38.7	22.1
2	5460.00	47.6 AV	54.0	-6.4	1.10 V	24	25.5	22.1
3	#5470.00	61.0 PK	68.2	-7.2	1.10 V	24	38.9	22.1
4	*5510.00	105.2 PK			1.10 V	24	63.3	41.9
5	*5510.00	92.3 AV			1.10 V	24	50.4	41.9
6	11020.00	65.5 PK	74.0	-8.5	2.31 V	117	38.8	26.7
7	11020.00	48.8 AV	54.0	-5.2	2.31 V	117	22.1	26.7

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	40 MHz Preamble 802.11ax (RU242)	**Channel**	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5670.00	105.6 PK			3.64 H	77	63.5	42.1
2	*5670.00	93.1 AV			3.64 H	77	51.0	42.1
3	#5725.00	62.0 PK	68.2	-6.2	3.64 H	77	39.5	22.5
4	11340.00	66.2 PK	74.0	-7.8	2.20 H	287	39.1	27.1
5	11340.00	49.5 AV	54.0	-4.5	2.20 H	287	22.4	27.1
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	*5670.00	104.6 PK			1.17 V	24	62.5	42.1
2	*5670.00	92.1 AV			1.17 V	24	50.0	42.1
3	#5725.00	61.7 PK	68.2	-6.5	1.17 V	24	39.2	22.5
4	11340.00	65.9 PK	74.0	-8.1	2.21 V	121	38.8	27.1
5	11340.00	49.2 AV	54.0	-4.8	2.21 V	121	22.1	27.1

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	40 MHz Preamble 802.11ax (RU242)	**Channel**	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5644.40	60.9 PK	68.2	-7.3	3.58 H	75	38.8	22.1
2	*5755.00	105.1 PK			3.58 H	75	62.7	42.4
3	*5755.00	91.8 AV			3.58 H	75	49.4	42.4
4	#5998.80	62.2 PK	68.2	-6.0	3.58 H	75	39.1	23.1
5	11510.00	67.1 PK	74.0	-6.9	2.20 H	297	39.1	28.0
6	**11510.00**	**50.1 AV**	**54.0**	**-3.9**	**2.20 H**	**297**	**22.1**	**28.0**
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5639.20	60.4 PK	68.2	-7.8	1.16 V	24	38.3	22.1
2	*5755.00	103.9 PK			1.16 V	24	61.5	42.4
3	*5755.00	90.9 AV			1.16 V	24	48.5	42.4
4	#5985.20	61.7 PK	68.2	-6.5	1.16 V	24	38.6	23.1
5	11510.00	66.9 PK	74.0	-7.1	2.30 V	114	38.9	28.0
6	11510.00	49.8 AV	54.0	-4.2	2.30 V	114	21.8	28.0

Remarks:

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

RF Mode	80 MHz Preamble 802.11ax (RU484)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.2 PK	74.0	-12.8	3.61 H	294	40.0	21.2
2	5150.00	47.4 AV	54.0	-6.6	3.61 H	294	26.2	21.2
3	*5210.00	103.1 PK			3.61 H	294	61.6	41.5
4	*5210.00	90.6 AV			3.61 H	294	49.1	41.5
5	#10420.00	64.2 PK	68.2	-4.0	1.97 H	290	39.5	24.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.9 PK	74.0	-13.1	1.31 V	29	39.7	21.2
2	5150.00	47.1 AV	54.0	-6.9	1.31 V	29	25.9	21.2
3	*5210.00	102.4 PK			1.31 V	29	60.9	41.5
4	*5210.00	89.8 AV			1.31 V	29	48.3	41.5
5	#10420.00	63.9 PK	68.2	-4.3	2.21 V	123	39.2	24.7

Remarks:

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

RF Mode	80 MHz Preamble 802.11ax (RU484)	**Channel**	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5290.00	101.1 PK			3.72 H	77	60.0	41.1
2	*5290.00	88.6 AV			3.72 H	77	47.5	41.1
3	5350.00	61.4 PK	74.0	-12.6	3.72 H	77	40.3	21.1
4	5350.00	47.1 AV	54.0	-6.9	3.72 H	77	26.0	21.1
5	#10580.00	63.9 PK	68.2	-4.3	1.97 H	290	38.6	25.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*5290.00	100.5 PK			1.29 V	30	59.4	41.1
2	*5290.00	88.1 AV			1.29 V	30	47.0	41.1
3	5350.00	61.1 PK	74.0	-12.9	1.29 V	30	40.0	21.1
4	5350.00	46.9 AV	54.0	-7.1	1.29 V	30	25.8	21.1
5	#10580.00	63.8 PK	68.2	-4.4	2.20 V	117	38.5	25.3

Remarks:

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

RF Mode	80 MHz Preamble 802.11ax (RU484)	**Channel**	CH 106：5530 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	62.1 PK	74.0	-11.9	3.63 H	80	40.0	22.1
2	5460.00	48.4 AV	54.0	-5.6	3.63 H	80	26.3	22.1
3	#5470.00	61.6 PK	68.2	-6.6	3.63 H	80	39.5	22.1
4	*5530.00	103.1 PK			3.63 H	80	61.2	41.9
5	*5530.00	90.1 AV			3.63 H	80	48.2	41.9
6	11060.00	64.6 PK	74.0	-9.4	2.01 H	290	38.0	26.6
7	11060.00	49.6 AV	54.0	-4.4	2.01 H	290	23.0	26.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	61.8 PK	74.0	-12.2	3.42 V	42	39.7	22.1
2	5460.00	48.2 AV	54.0	-5.8	3.42 V	42	26.1	22.1
3	#5470.00	61.4 PK	68.2	-6.8	3.42 V	42	39.3	22.1
4	*5530.00	102.2 PK			3.42 V	42	60.3	41.9
5	*5530.00	89.3 AV			3.42 V	42	47.4	41.9
6	11060.00	64.4 PK	74.0	-9.6	2.31 V	115	37.8	26.6
7	11060.00	49.2 AV	54.0	-4.8	2.31 V	115	22.6	26.6

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	80 MHz Preamble 802.11ax (RU484)	**Channel**	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5613.60	60.9 PK	68.2	-7.3	3.20 H	81	39.0	21.9
2	*5775.00	103.1 PK			3.20 H	81	60.5	42.6
3	*5775.00	89.1 AV			3.20 H	81	46.5	42.6
4	#5953.60	62.6 PK	68.2	-5.6	3.20 H	81	39.7	22.9
5	11550.00	67.0 PK	74.0	-7.0	2.13 H	293	39.1	27.9
6	**11550.00**	**50.1 AV**	**54.0**	**-3.9**	**2.13 H**	**293**	**22.2**	**27.9**
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5646.40	60.6 PK	68.2	-7.6	2.91 V	40	38.5	22.1
2	*5775.00	102.6 PK			2.91 V	40	60.0	42.6
3	*5775.00	88.5 AV			2.91 V	40	45.9	42.6
4	#5933.20	61.2 PK	68.2	-7.0	2.91 V	40	38.2	23.0
5	11550.00	66.7 PK	74.0	-7.3	2.40 V	117	38.8	27.9
6	11550.00	49.8 AV	54.0	-4.2	2.40 V	117	21.9	27.9

Remarks:

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

RF Mode	160 MHz Preamble 802.11ax (RU996)	**Channel**	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	60.3 PK	74.0	-13.7	3.66 H	78	39.1	21.2
2	5150.00	47.4 AV	54.0	-6.6	3.66 H	78	26.2	21.2
3	*5250.00	100.0 PK			3.66 H	78	58.5	41.5
4	*5250.00	86.6 AV			3.66 H	78	45.1	41.5
5	5350.00	60.4 PK	74.0	-13.6	3.66 H	78	39.3	21.1
6	5350.00	47.3 AV	54.0	-6.7	3.66 H	78	26.2	21.1
7	#10500.00	64.2 PK	68.2	-4.0	2.04 H	290	39.0	25.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	60.0 PK	74.0	-14.0	1.37 V	36	38.8	21.2
2	5150.00	47.2 AV	54.0	-6.8	1.37 V	36	26.0	21.2
3	*5250.00	99.0 PK			1.37 V	36	57.5	41.5
4	*5250.00	85.8 AV			1.37 V	36	44.3	41.5
5	5350.00	60.1 PK	74.0	-13.9	1.37 V	36	39.0	21.1
6	5350.00	47.1 AV	54.0	-6.9	1.37 V	36	26.0	21.1
7	#10500.00	63.9 PK	68.2	-4.3	2.37 V	115	38.7	25.2

Remarks:

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

RF Mode	160 MHz Preamble 802.11ax (RU996)	**Channel**	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	61.3 PK	74.0	-12.7	3.75 H	86	39.2	22.1
2	5460.00	48.0 AV	54.0	-6.0	3.75 H	86	25.9	22.1
3	#5470.00	61.4 PK	68.2	-6.8	3.75 H	86	39.3	22.1
4	*5570.00	99.9 PK			3.75 H	86	58.0	41.9
5	*5570.00	87.0 AV			3.75 H	86	45.1	41.9
6	#5725.00	61.0 PK	68.2	-7.2	3.75 H	86	38.5	22.5
7	11140.00	64.8 PK	74.0	-9.2	2.07 H	285	38.2	26.6
8	11140.00	49.3 AV	54.0	-4.7	2.07 H	285	22.7	26.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	61.1 PK	74.0	-12.9	3.43 V	45	39.0	22.1
2	5460.00	47.8 AV	54.0	-6.2	3.43 V	45	25.7	22.1
3	#5470.00	61.2 PK	68.2	-7.0	3.43 V	45	39.1	22.1
4	*5570.00	99.1 PK			3.43 V	45	57.2	41.9
5	*5570.00	86.1 AV			3.43 V	45	44.2	41.9
6	#5725.00	60.8 PK	68.2	-7.4	3.43 V	45	38.3	22.5
7	11140.00	64.6 PK	74.0	-9.4	2.35 V	119	38.0	26.6
8	11140.00	49.0 AV	54.0	-5.0	2.35 V	119	22.4	26.6

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	160 MHz Preamble 802.11ax (RU996/S67)	**Channel**	CH 50：5250 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	60.2 PK	74.0	-13.8	3.75 H	299	39.0	21.2
2	5150.00	47.2 AV	54.0	-6.8	3.75 H	299	26.0	21.2
3	*5250.00	99.2 PK			3.75 H	299	57.7	41.5
4	*5250.00	85.8 AV			3.75 H	299	44.3	41.5
5	5350.00	60.5 PK	74.0	-13.5	3.75 H	299	39.4	21.1
6	5350.00	47.4 AV	54.0	-6.6	3.75 H	299	26.3	21.1
7	**#10500.00**	**64.3 PK**	**68.2**	**-3.9**	**2.10 H**	**282**	**39.1**	**25.2**
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	59.9 PK	74.0	-14.1	1.29 V	40	38.7	21.2
2	5150.00	47.1 AV	54.0	-6.9	1.29 V	40	25.9	21.2
3	*5250.00	98.2 PK			1.29 V	40	56.7	41.5
4	*5250.00	85.0 AV			1.29 V	40	43.5	41.5
5	5350.00	60.3 PK	74.0	-13.7	1.29 V	40	39.2	21.1
6	5350.00	47.2 AV	54.0	-6.8	1.29 V	40	26.1	21.1
7	#10500.00	64.0 PK	68.2	-4.2	2.43 V	124	38.8	25.2

Remarks:

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

RF Mode	160 MHz Preamble 802.11ax (RU996/S67)	**Channel**	CH 114：5570 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	24.1°C, 73.3% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	61.1 PK	74.0	-12.9	3.74 H	75	39.0	22.1
2	5460.00	47.9 AV	54.0	-6.1	3.74 H	75	25.8	22.1
3	#5470.00	61.3 PK	68.2	-6.9	3.74 H	75	39.2	22.1
4	*5570.00	99.8 PK			3.74 H	75	57.9	41.9
5	*5570.00	86.2 AV			3.74 H	75	44.3	41.9
6	#5725.00	61.2 PK	68.2	-7.0	3.75 H	75	38.7	22.5
7	11140.00	64.6 PK	74.0	-9.4	2.10 H	291	38.0	26.6
8	11140.00	49.2 AV	54.0	-4.8	2.10 H	291	22.6	26.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5460.00	60.9 PK	74.0	-13.1	1.29 V	42	38.8	22.1
2	5460.00	47.8 AV	54.0	-6.2	1.29 V	42	25.7	22.1
3	#5470.00	61.1 PK	68.2	-7.1	1.29 V	42	39.0	22.1
4	*5570.00	99.0 PK			1.29 V	42	57.1	41.9
5	*5570.00	85.3 AV			1.29 V	42	43.4	41.9
6	#5725.00	61.0 PK	68.2	-7.2	1.29 V	42	38.5	22.5
7	11140.00	64.5 PK	74.0	-9.5	2.42 V	122	37.9	26.6
8	11140.00	49.0 AV	54.0	-5.0	2.42 V	122	22.4	26.6

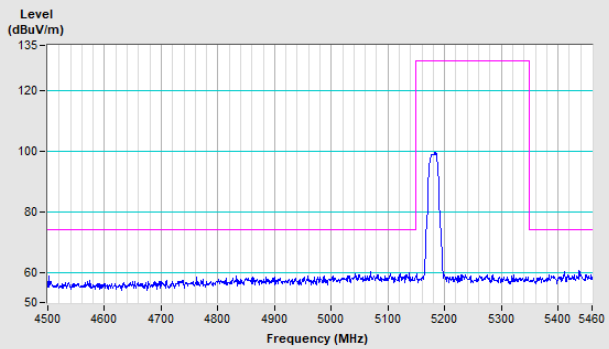
Remarks:

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.

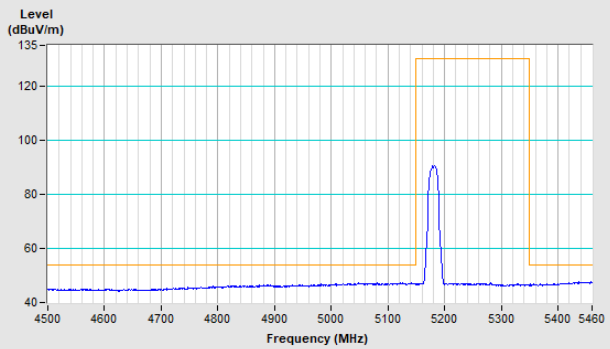
Band Edge

802.11a Channel 36

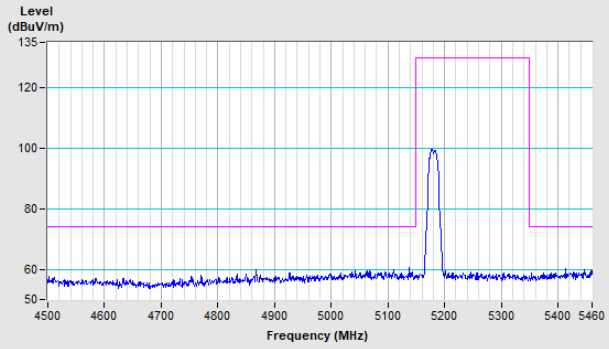
Horizontal (Peak)



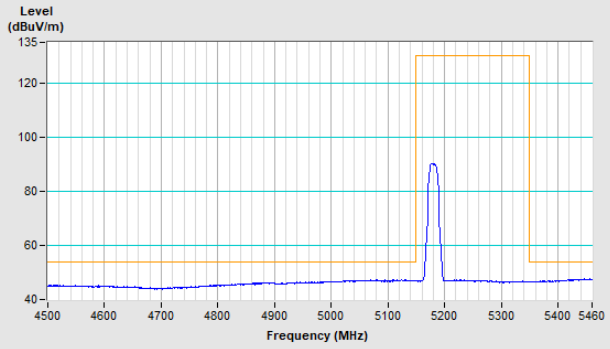
Horizontal (Average)



Vertical (Peak)

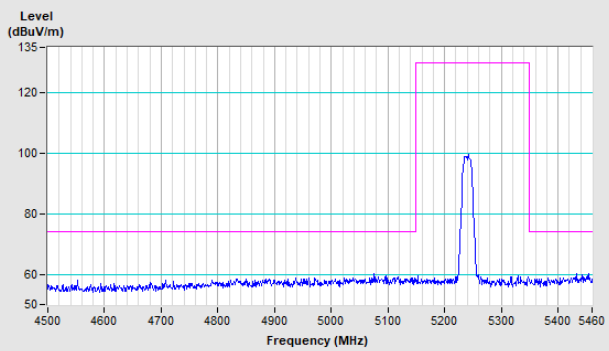


Vertical (Average)

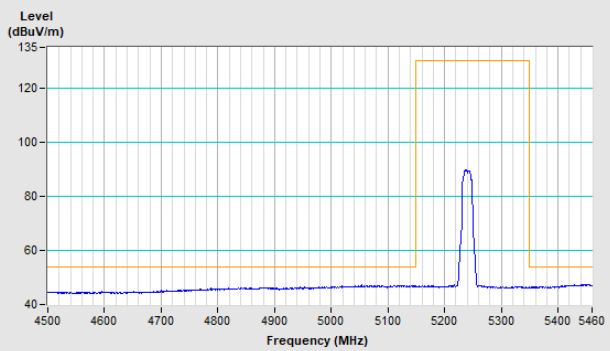


802.11a Channel 48

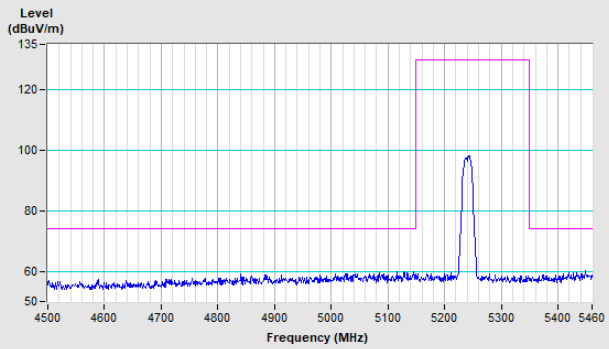
Horizontal (Peak)



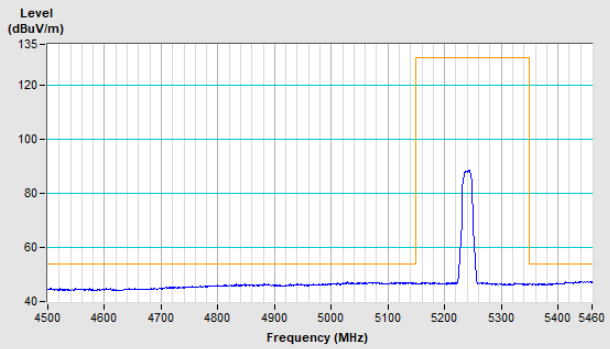
Horizontal (Average)



Vertical (Peak)

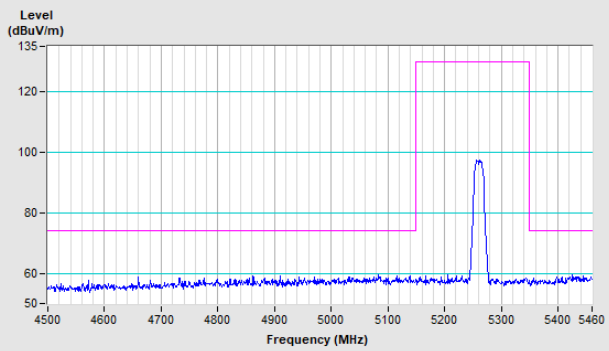


Vertical (Average)

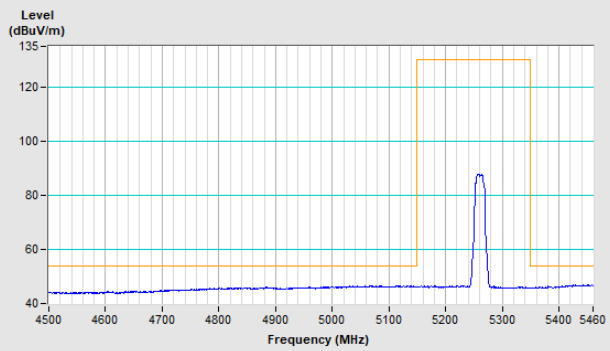


802.11a Channel 52

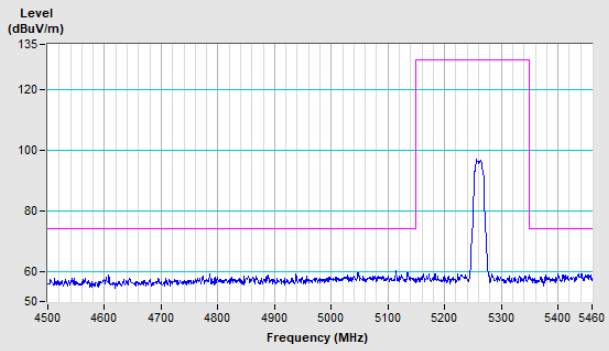
Horizontal (Peak)



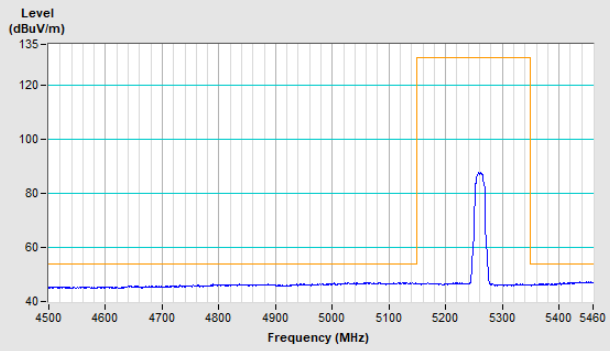
Horizontal (Average)



Vertical (Peak)

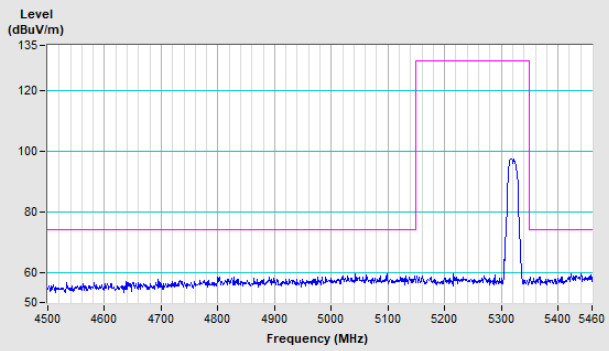


Vertical (Average)

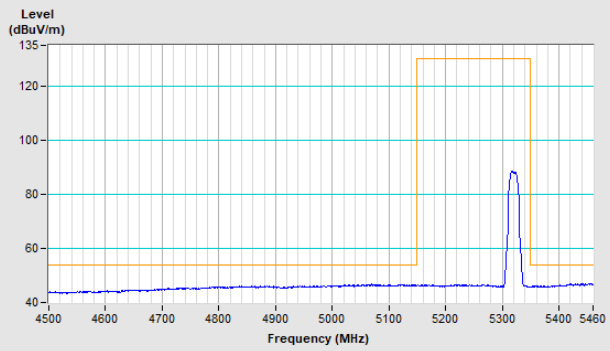


802.11a Channel 64

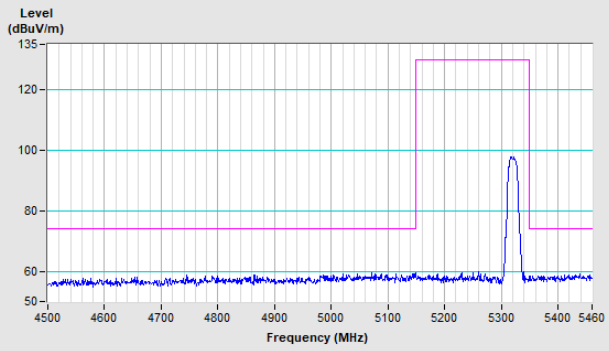
Horizontal (Peak)



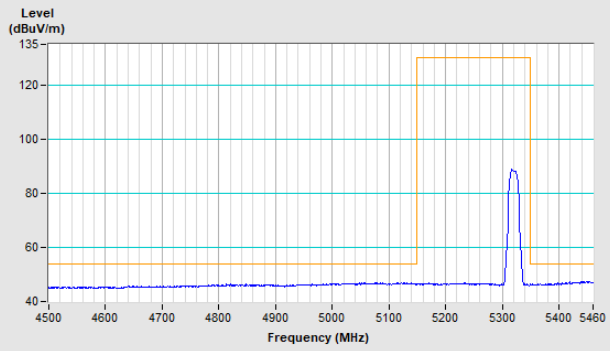
Horizontal (Average)



Vertical (Peak)

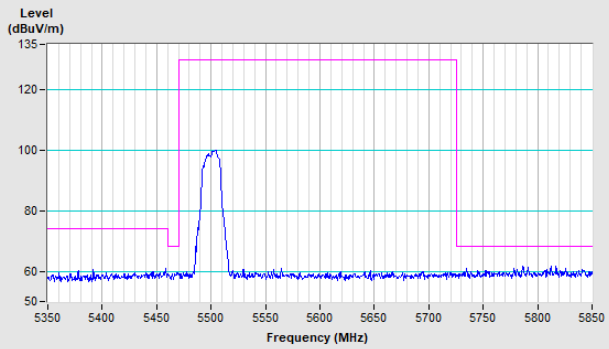


Vertical (Average)

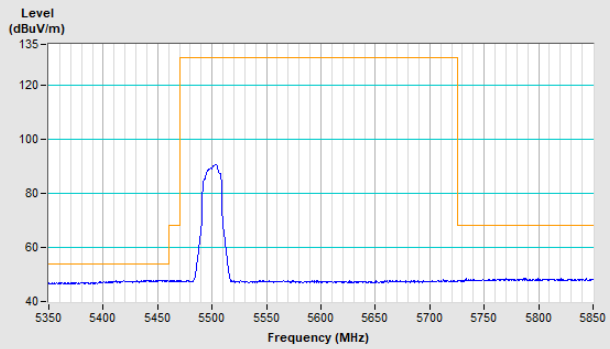


802.11a Channel 100

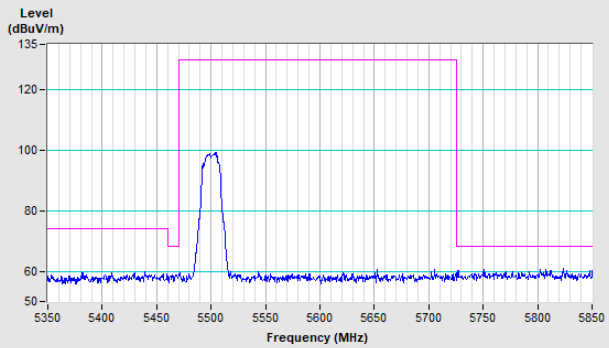
Horizontal (Peak)



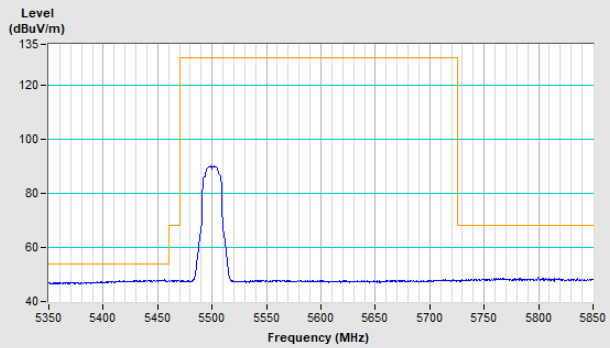
Horizontal (Average)



Vertical (Peak)

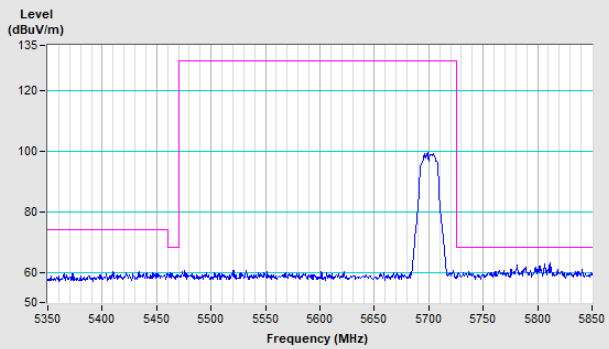


Vertical (Average)

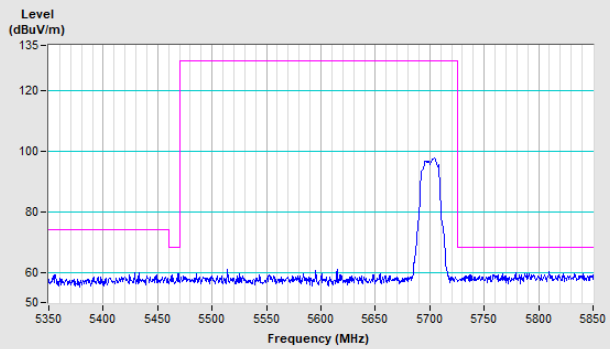


802.11a Channel 140

Horizontal (Peak)

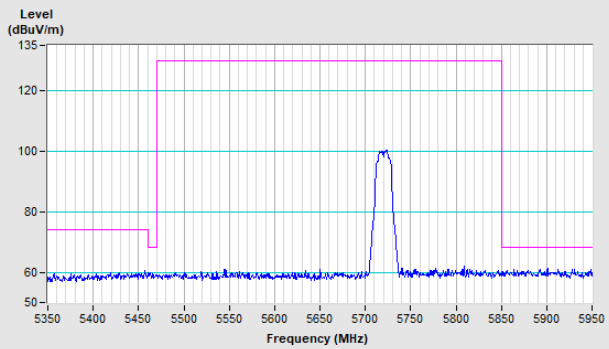


Vertical (Peak)

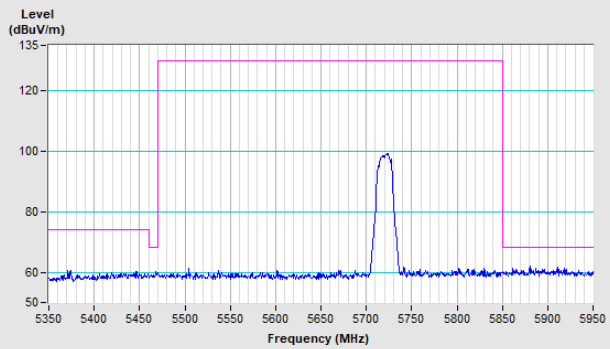


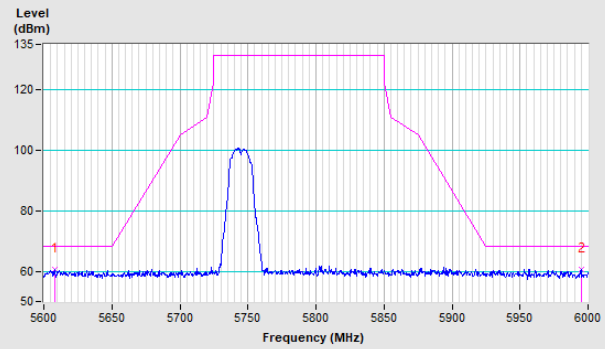
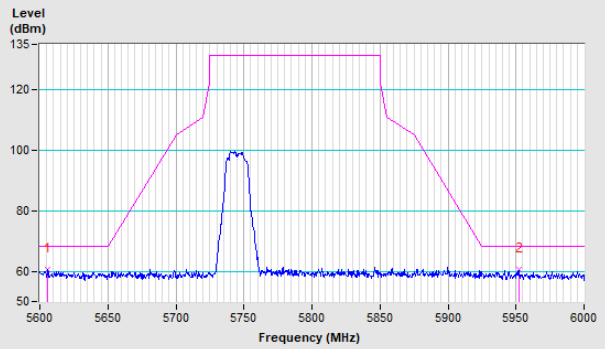
802.11a Channel 144

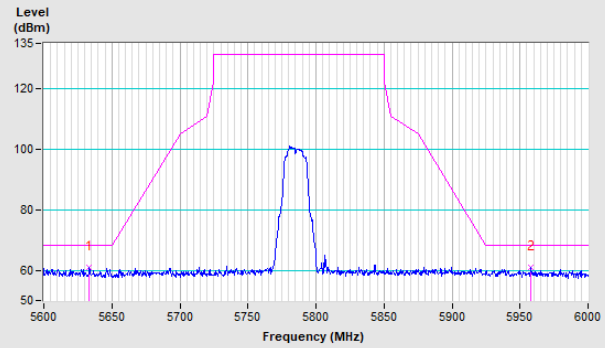
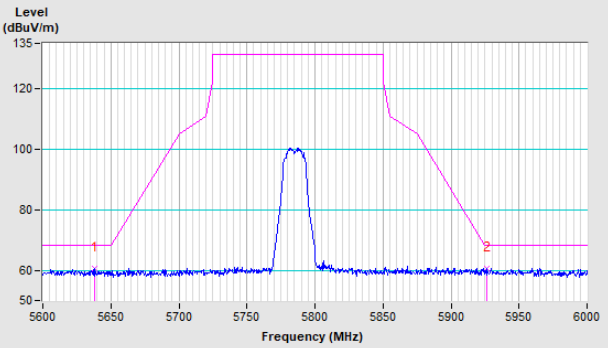
Horizontal (Peak)

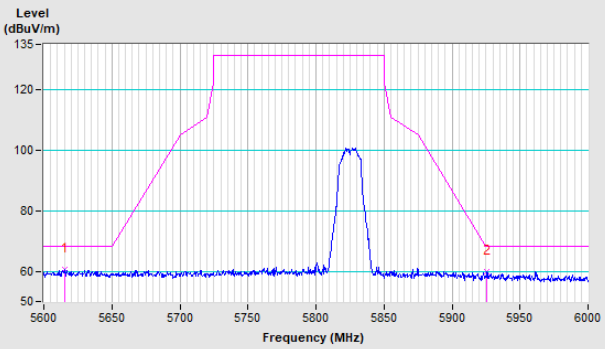
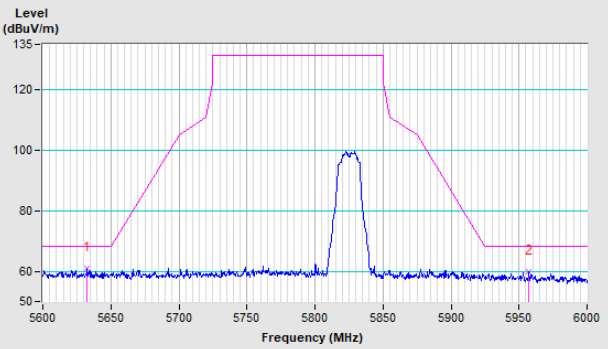


Vertical (Peak)



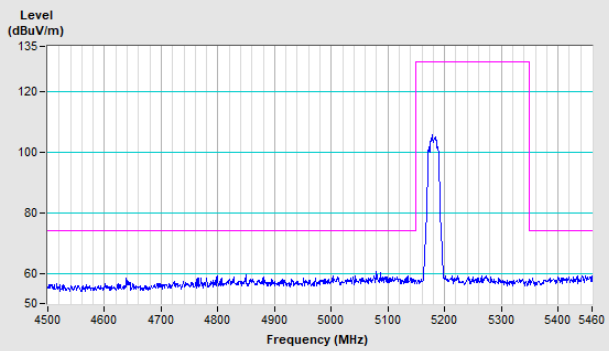
802.11a Channel 149	
Horizontal (Peak)	Vertical (Peak)
	

802.11a Channel 157	
Horizontal (Peak)	Vertical (Peak)
	

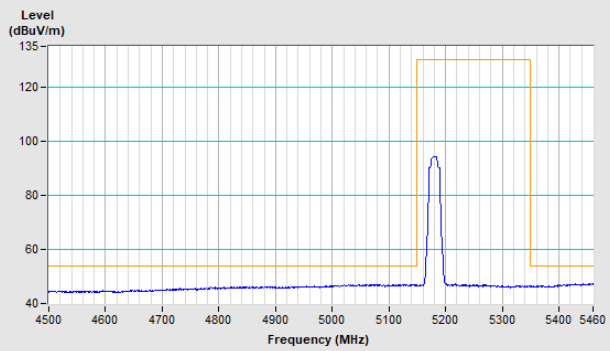
802.11a Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE20) Channel 36

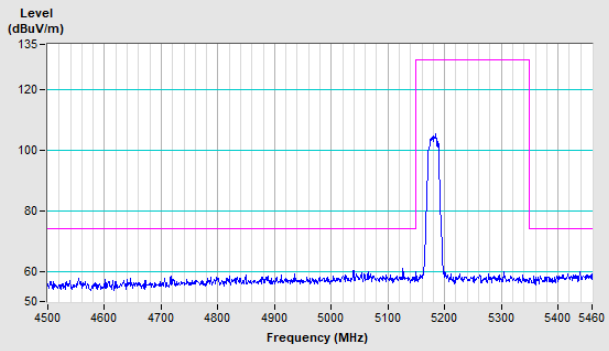
Horizontal (Peak)



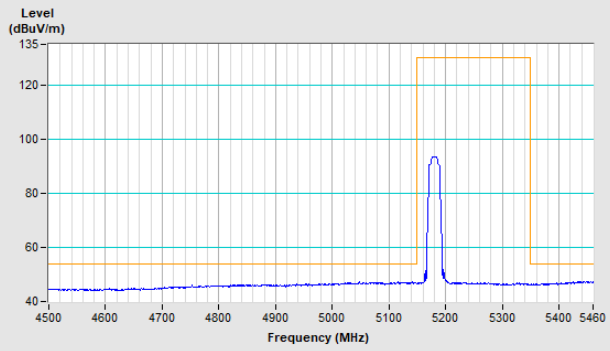
Horizontal (Average)



Vertical (Peak)

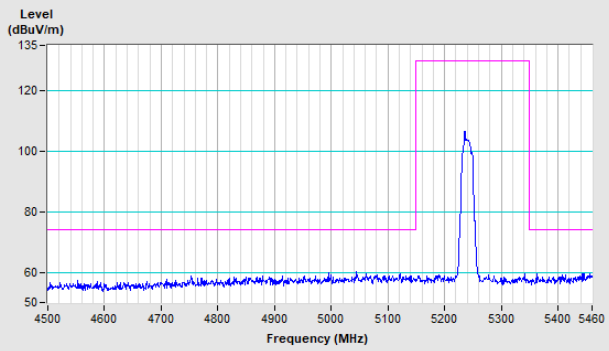


Vertical (Average)

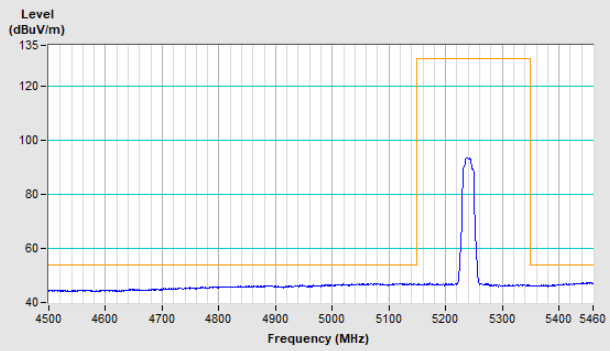


802.11ax (HE20) Channel 48

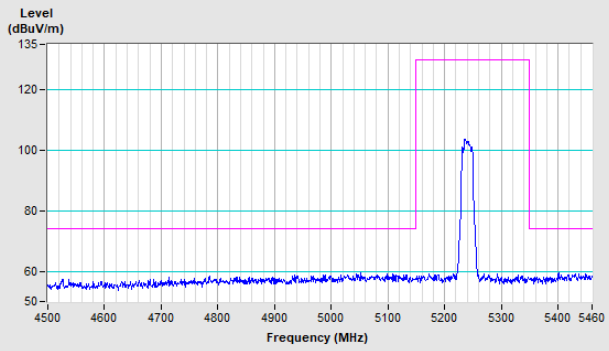
Horizontal (Peak)



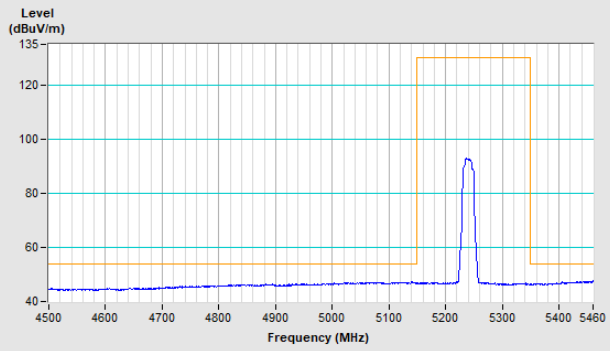
Horizontal (Average)



Vertical (Peak)

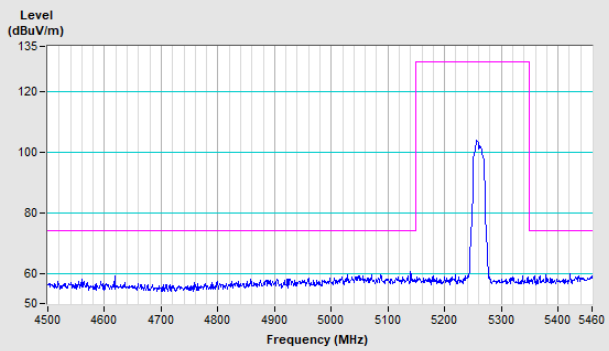


Vertical (Average)

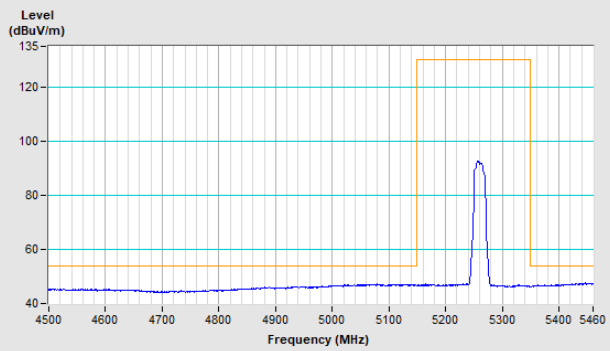


802.11ax (HE20) Channel 52

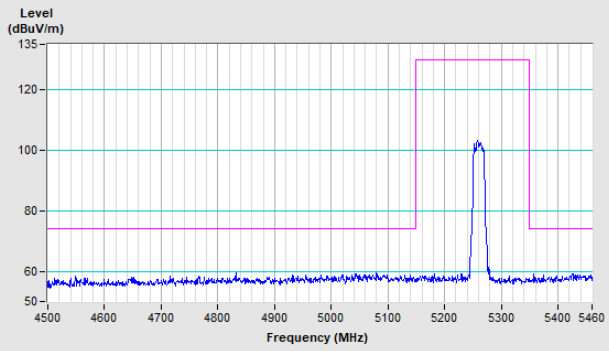
Horizontal (Peak)



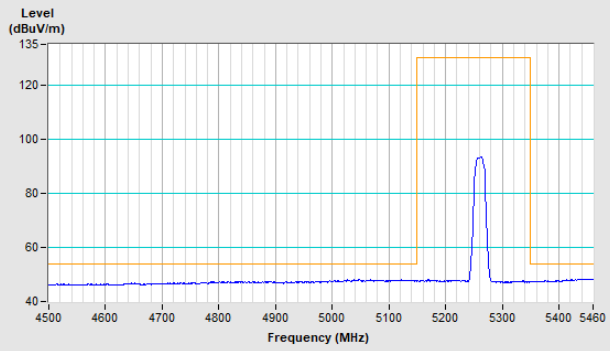
Horizontal (Average)



Vertical (Peak)

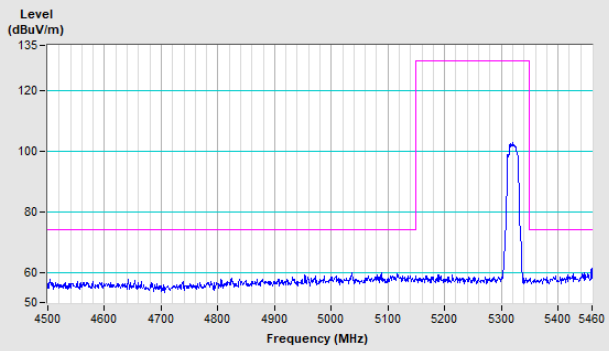


Vertical (Average)

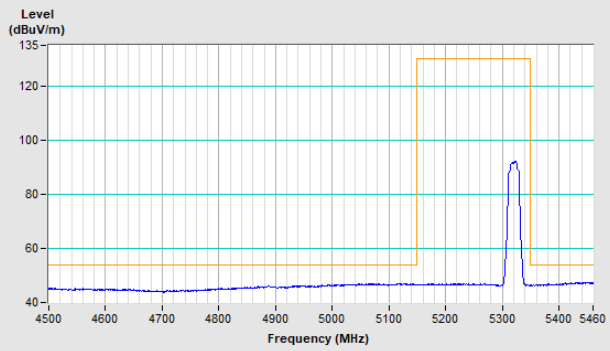


802.11ax (HE20) Channel 64

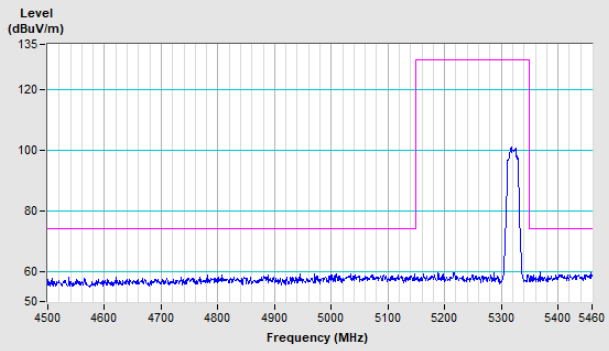
Horizontal (Peak)



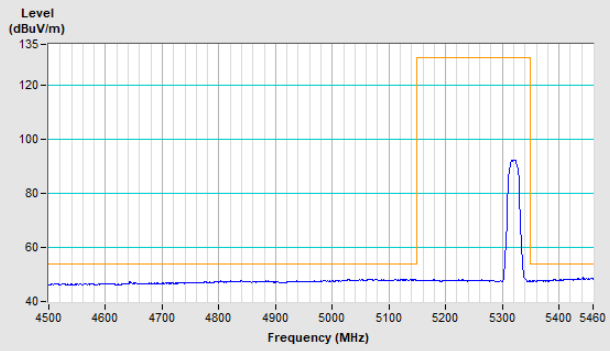
Horizontal (Average)



Vertical (Peak)

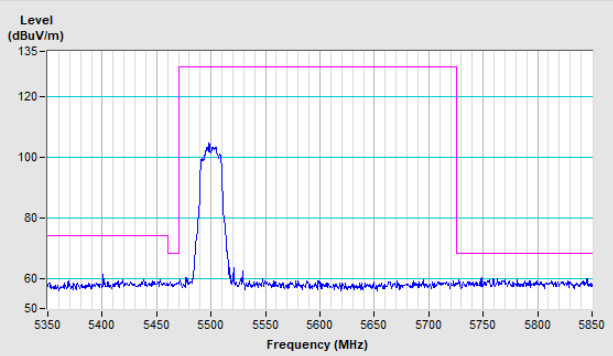


Vertical (Average)

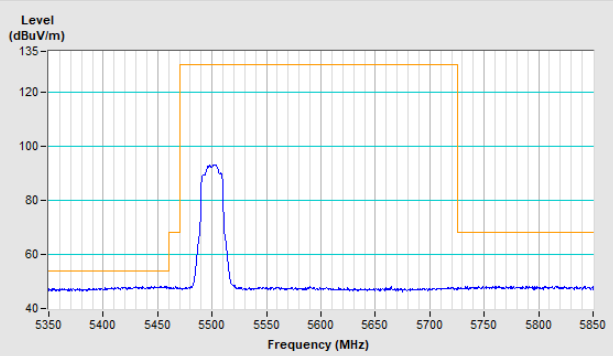


802.11ax (HE20) Channel 100

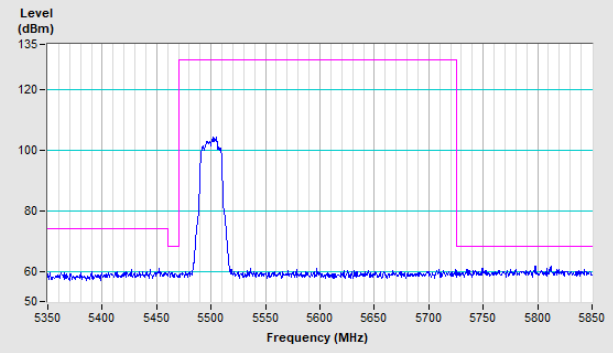
Horizontal (Peak)



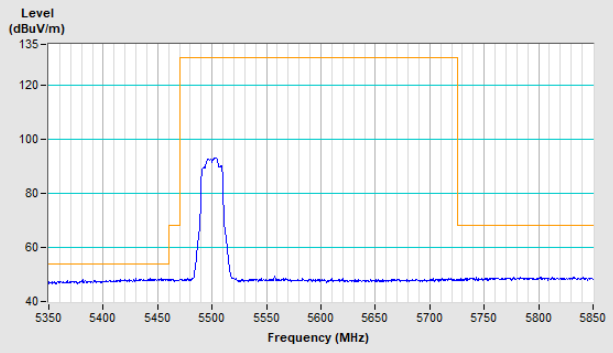
Horizontal (Average)



Vertical (Peak)

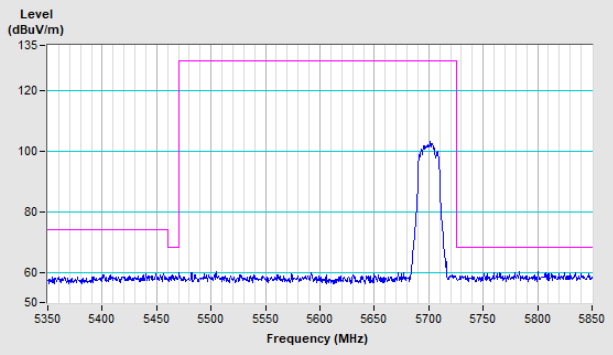


Vertical (Average)

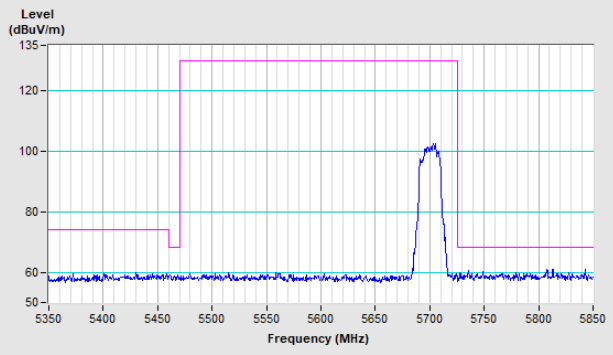


802.11ax (HE20) Channel 140

Horizontal (Peak)

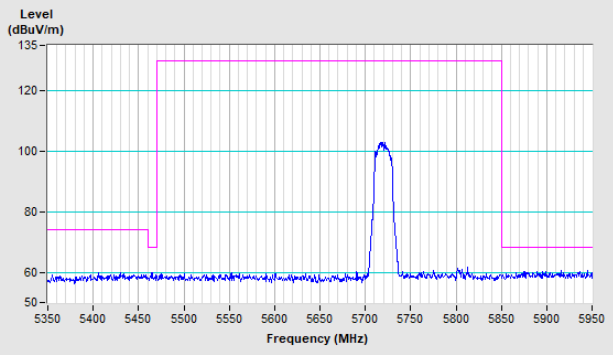


Vertical (Peak)

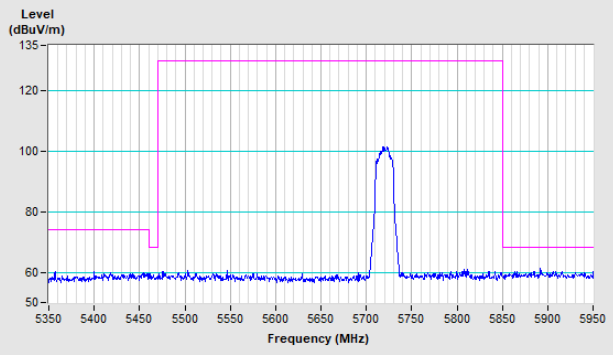


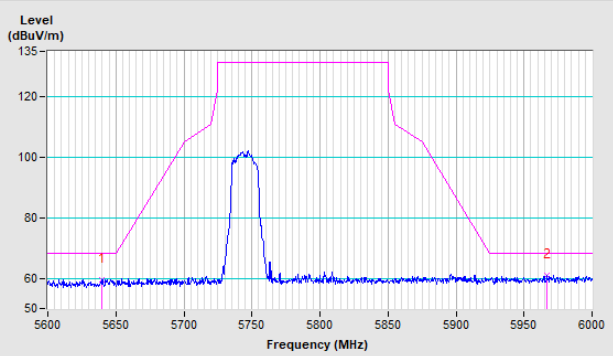
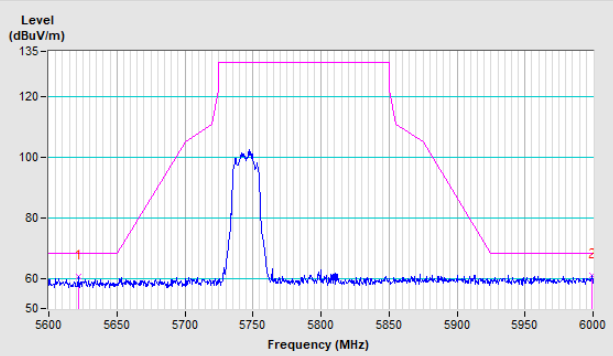
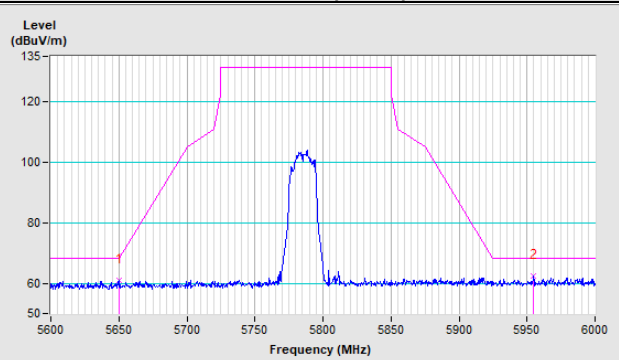
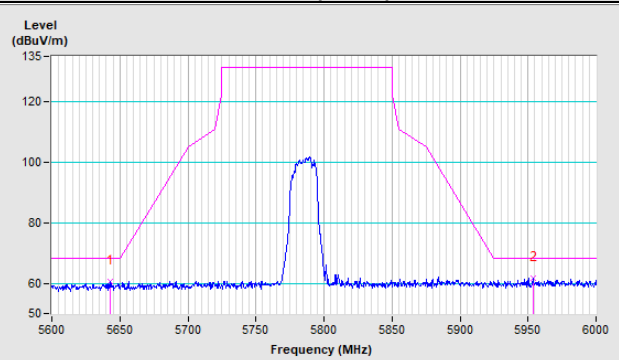
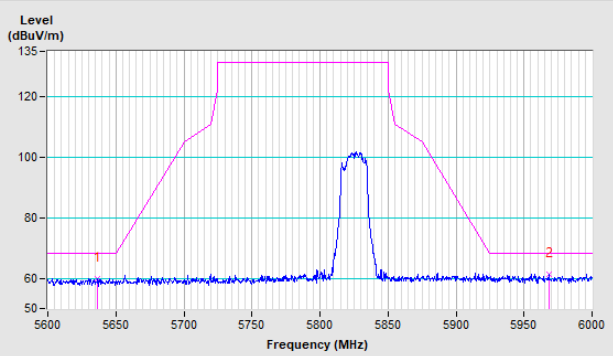
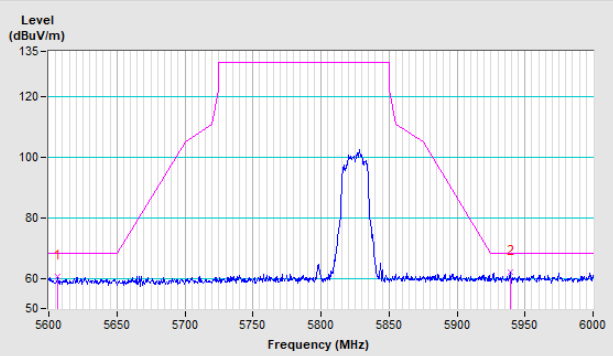
802.11ax (HE20) Channel 144

Horizontal (Peak)



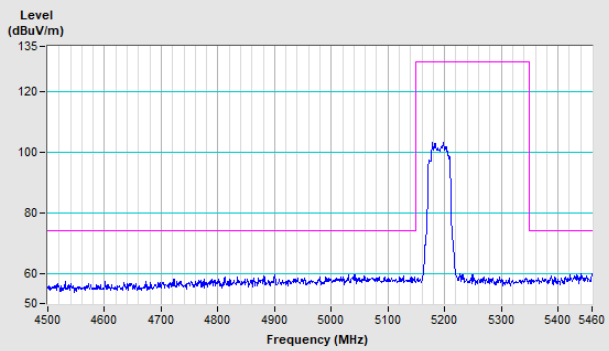
Vertical (Peak)



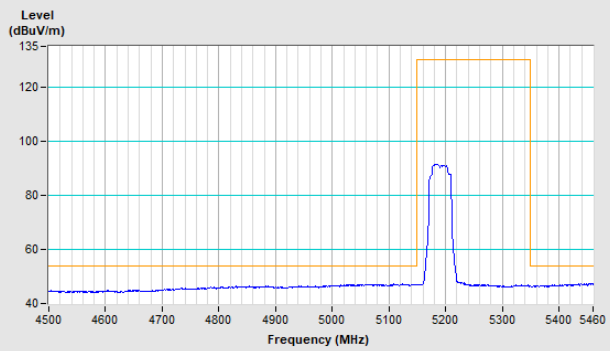
802.11ax (HE20) Channel 149	
Horizontal (Peak)	Vertical (Peak)
	
802.11ax (HE20) Channel 157	
Horizontal (Peak)	Vertical (Peak)
	
802.11ax (HE20) Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE40) Channel 38

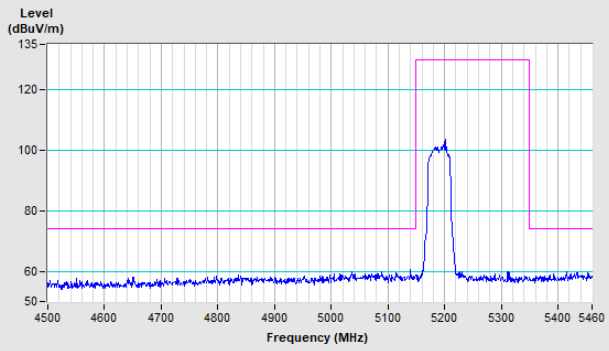
Horizontal (Peak)



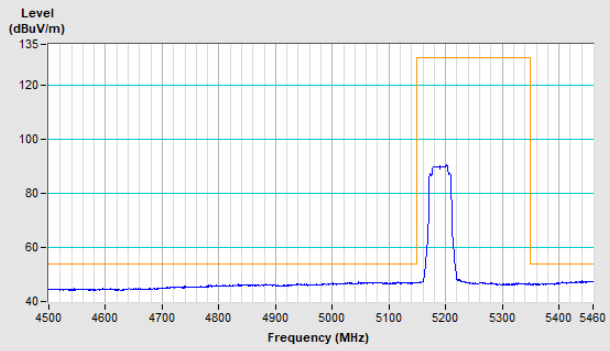
Horizontal (Average)



Vertical (Peak)

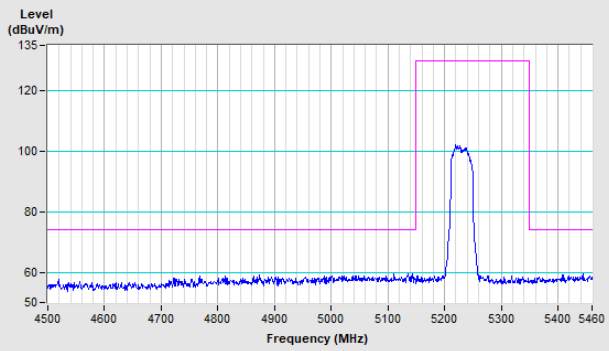


Vertical (Average)

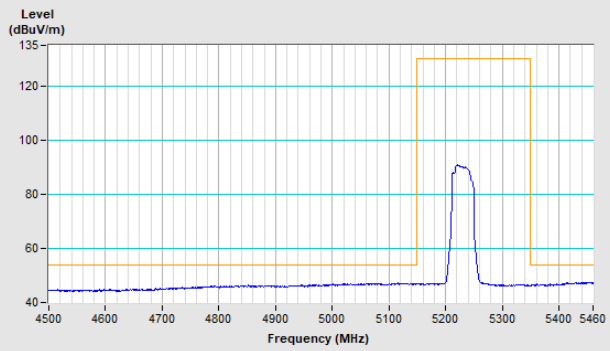


802.11ax (HE40) Channel 46

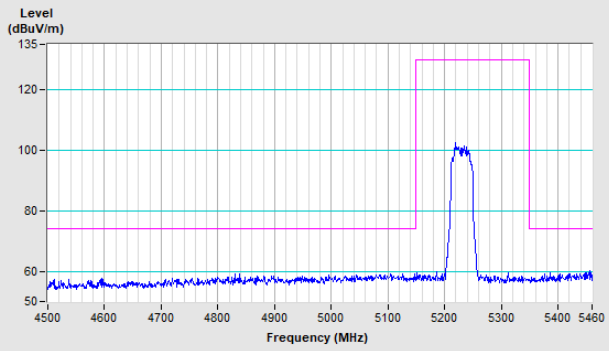
Horizontal (Peak)



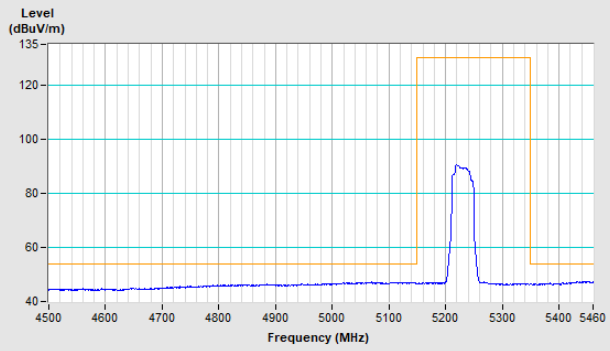
Horizontal (Average)



Vertical (Peak)

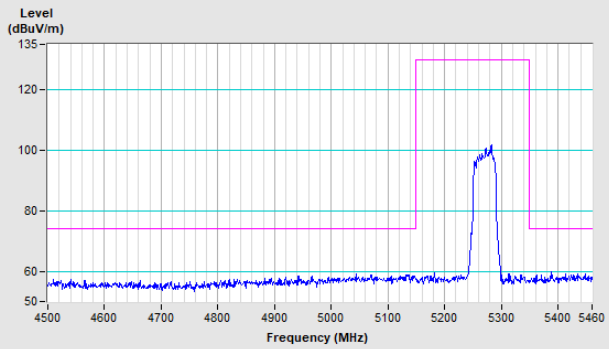


Vertical (Average)

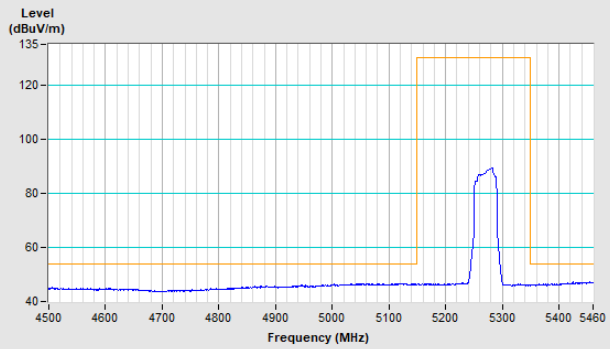


802.11ax (HE40) Channel 54

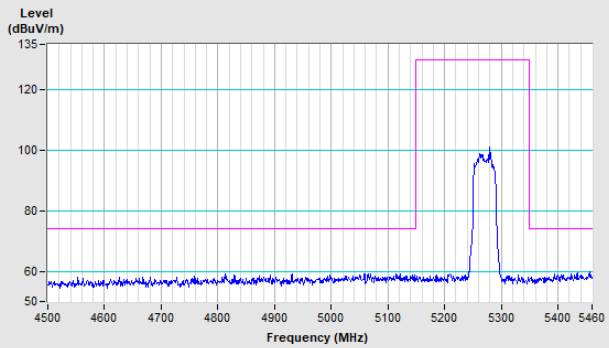
Horizontal (Peak)



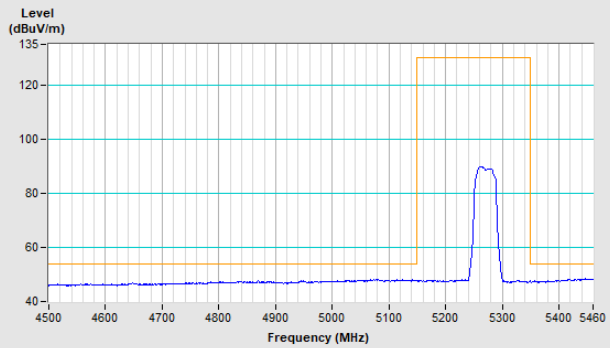
Horizontal (Average)



Vertical (Peak)

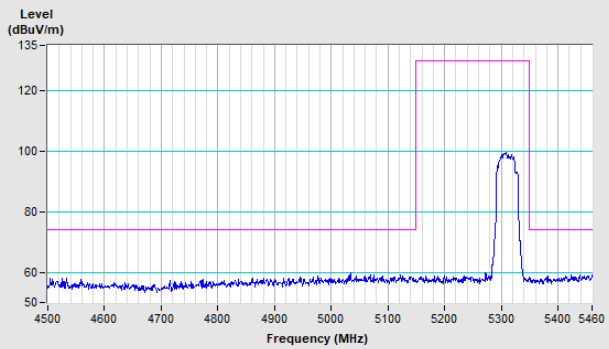


Vertical (Average)

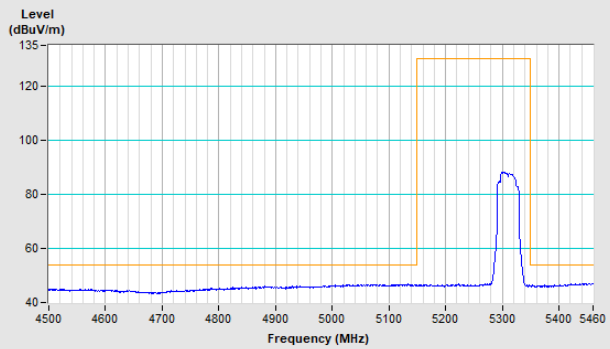


802.11ax (HE40) Channel 62

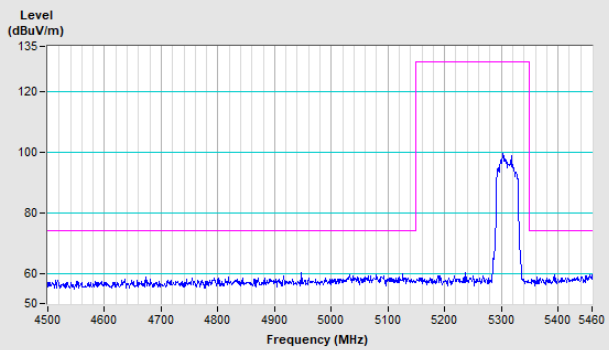
Horizontal (Peak)



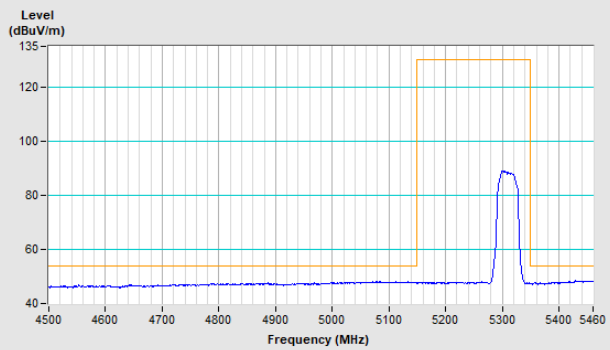
Horizontal (Average)



Vertical (Peak)

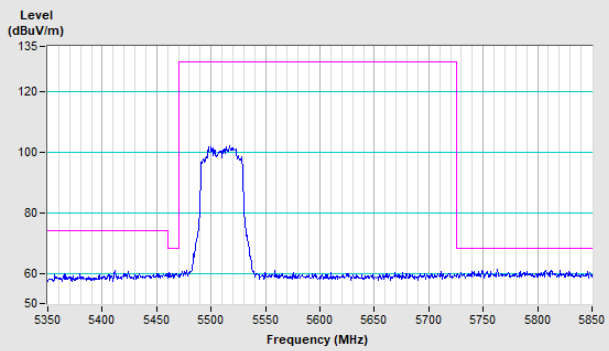


Vertical (Average)

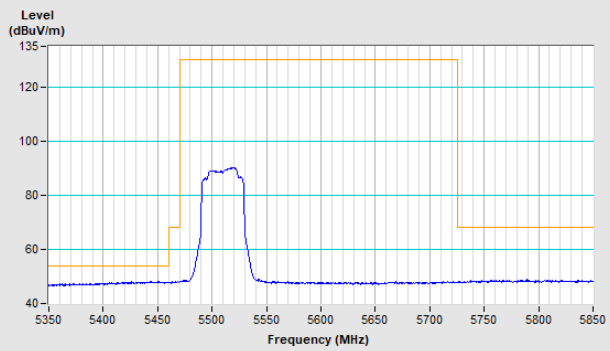


802.11ax (HE40) Channel 102

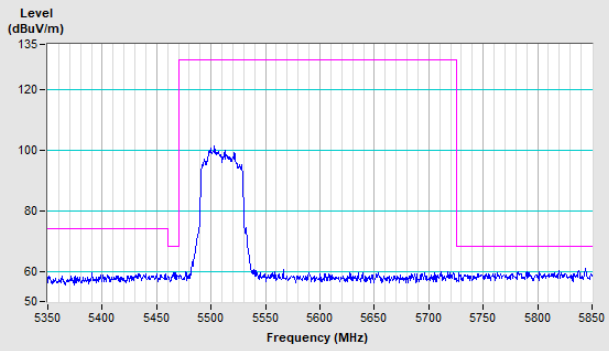
Horizontal (Peak)



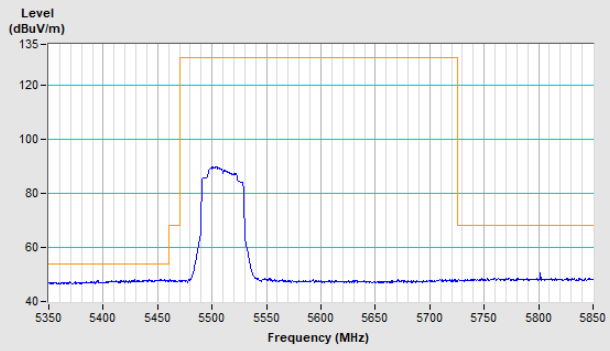
Horizontal (Average)



Vertical (Peak)

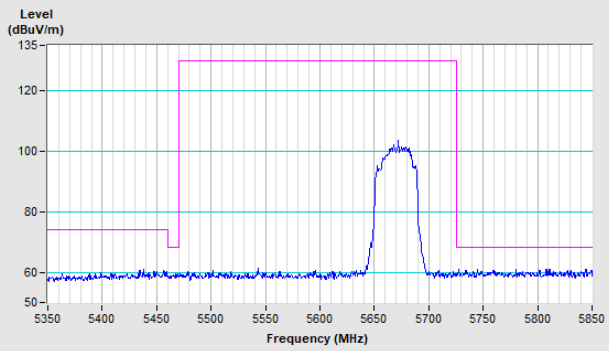


Vertical (Average)

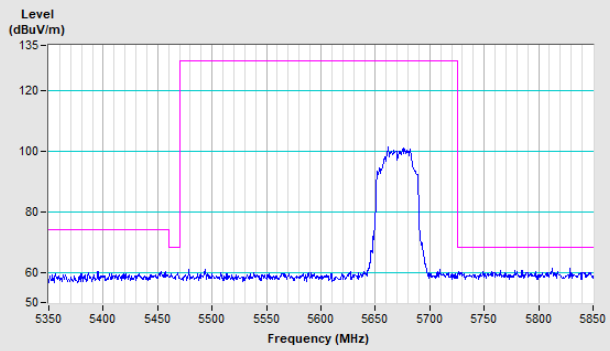


802.11ax (HE40) Channel 134

Horizontal (Peak)

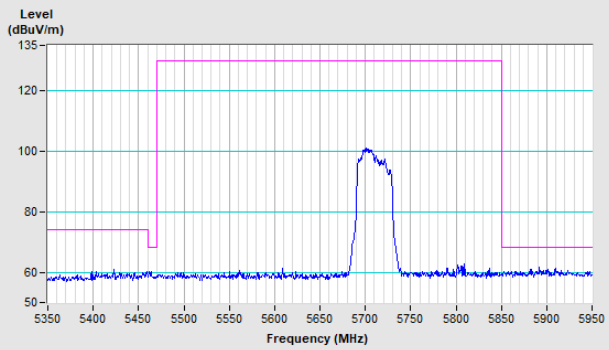


Vertical (Peak)

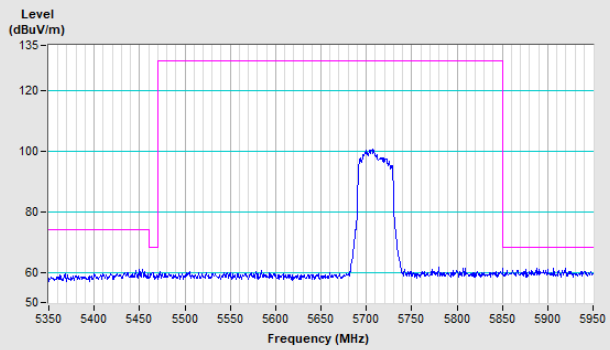


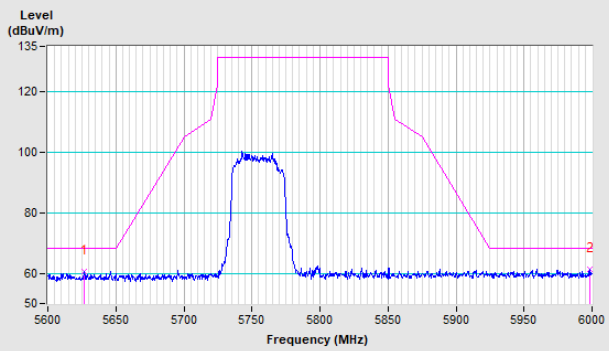
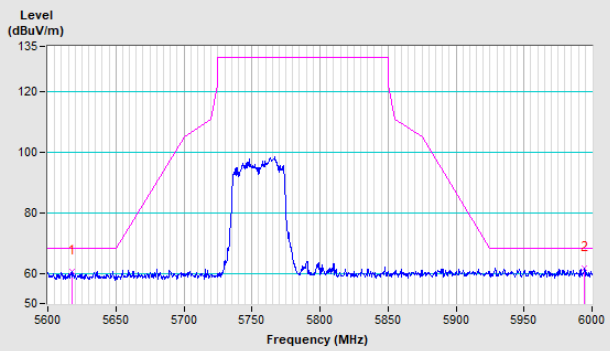
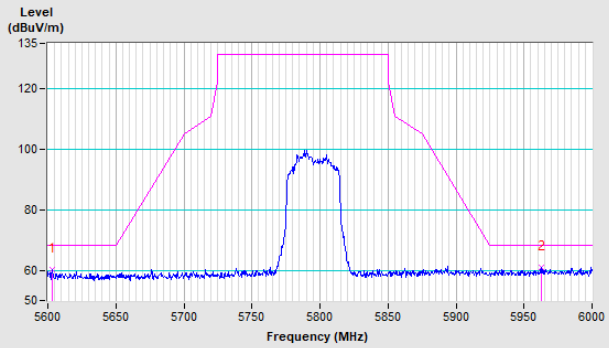
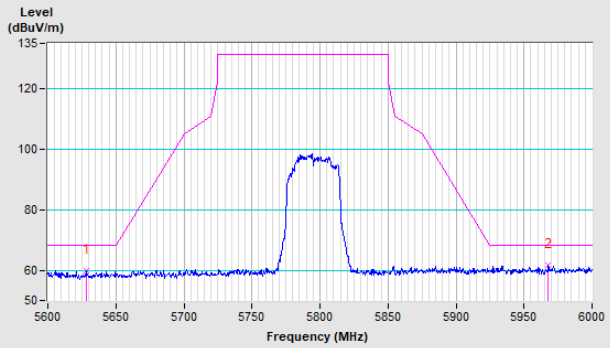
802.11ax (HE40) Channel 142

Horizontal (Peak)



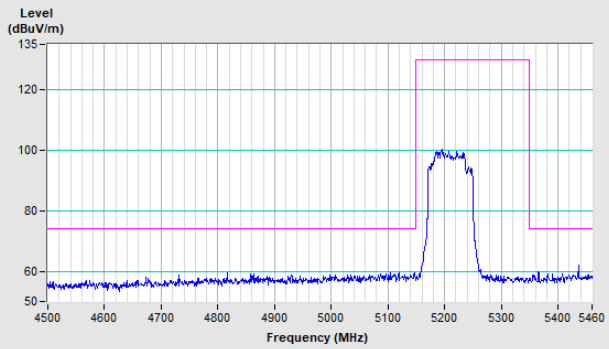
Vertical (Peak)



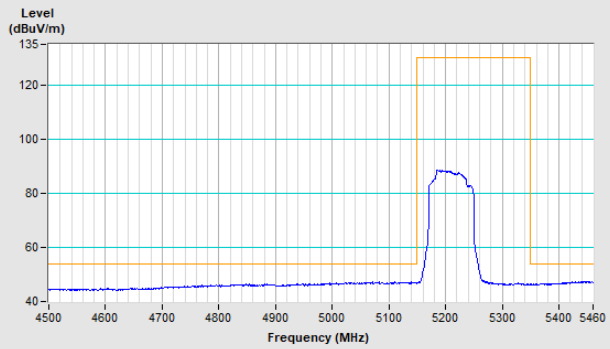
802.11ax (HE40) Channel 151	
Horizontal (Peak)	Vertical (Peak)
	
802.11ax (HE40) Channel 159	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE80) Channel 42

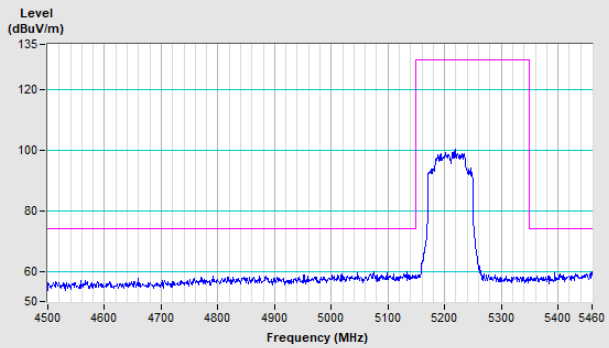
Horizontal (Peak)



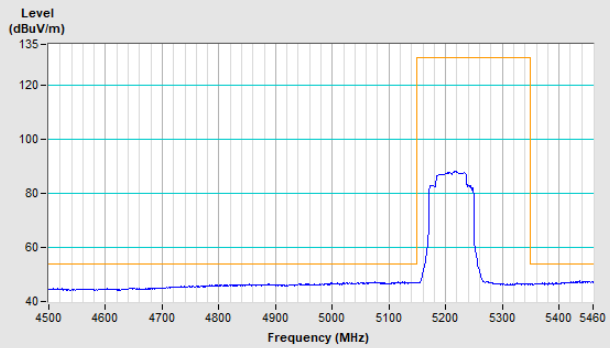
Horizontal (Average)



Vertical (Peak)

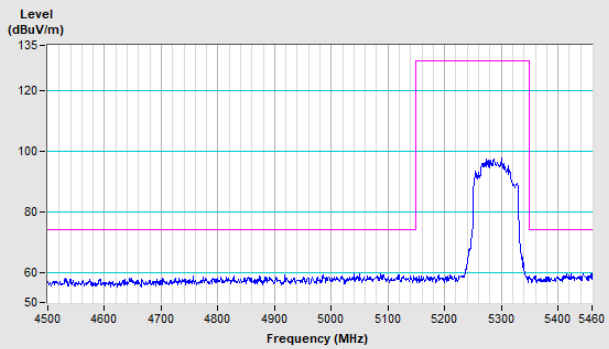


Vertical (Average)

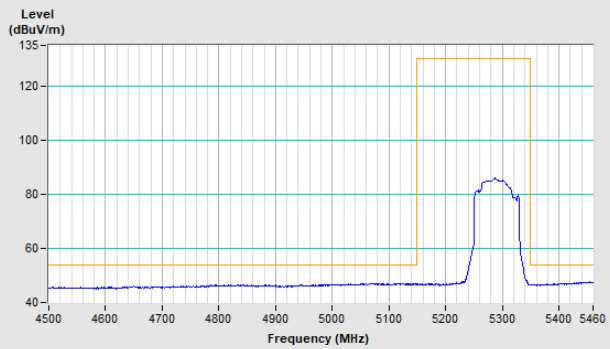


802.11ax (HE80) Channel 58

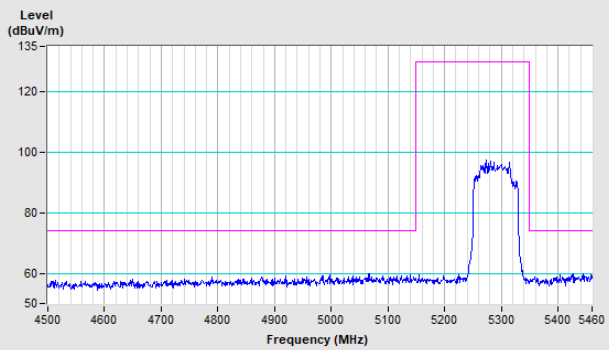
Horizontal (Peak)



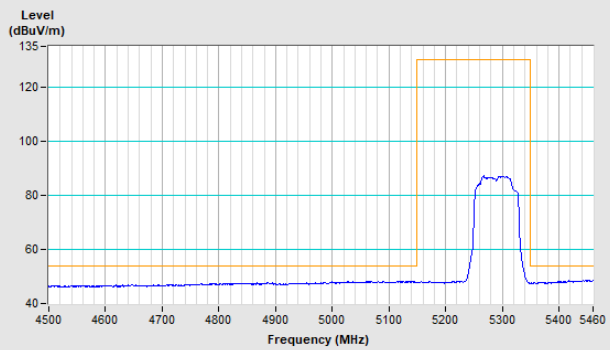
Horizontal (Average)



Vertical (Peak)

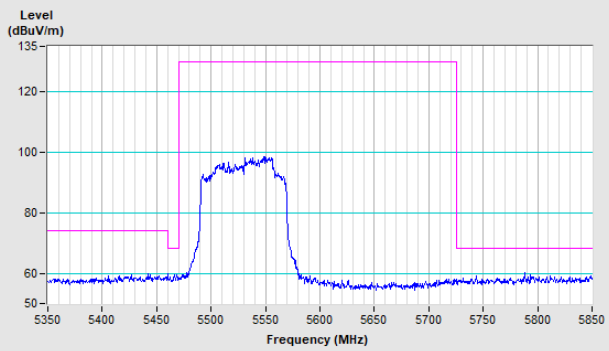


Vertical (Average)

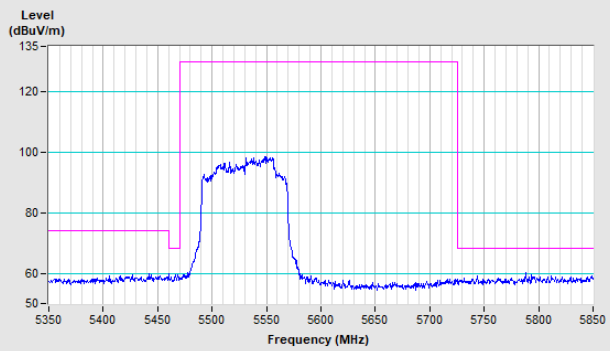


802.11ax (HE80) Channel 106

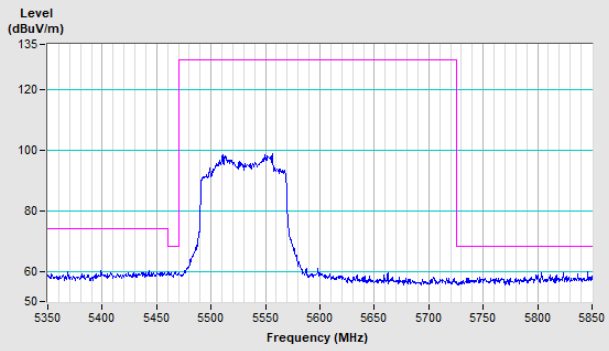
Horizontal (Peak)



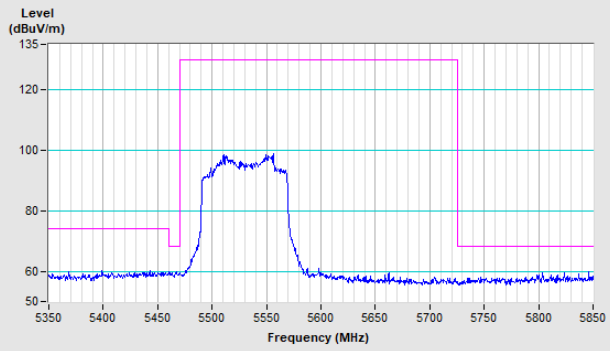
Horizontal (Average)



Vertical (Peak)

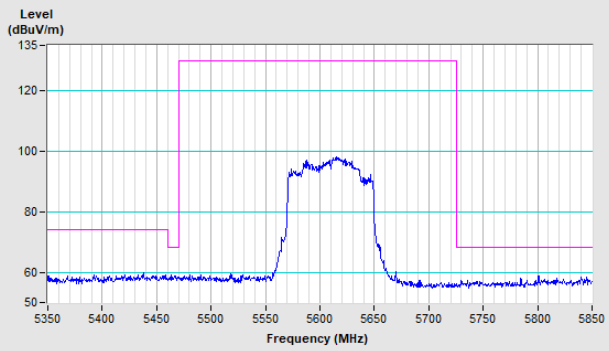


Vertical (Average)

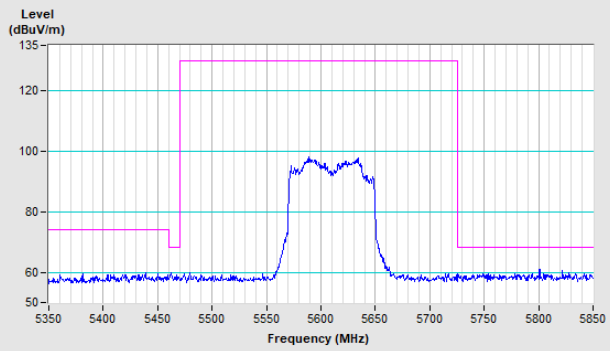


802.11ax (HE80) Channel 122

Horizontal (Peak)

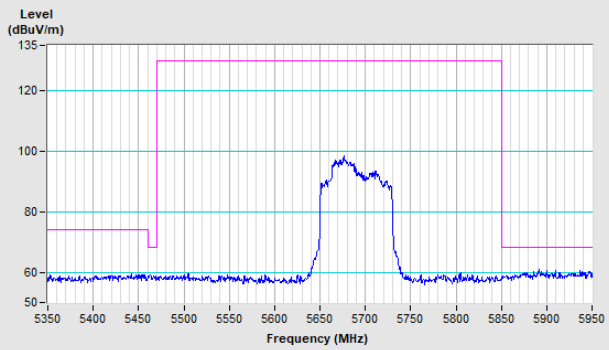


Vertical (Peak)

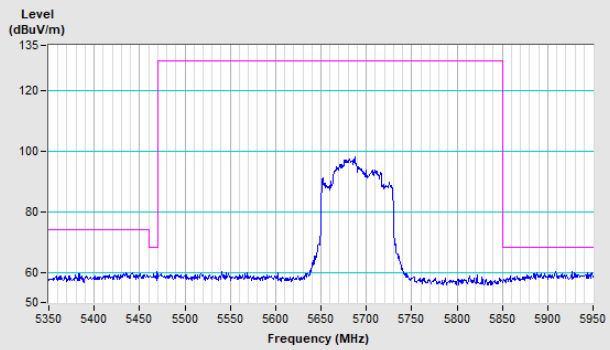


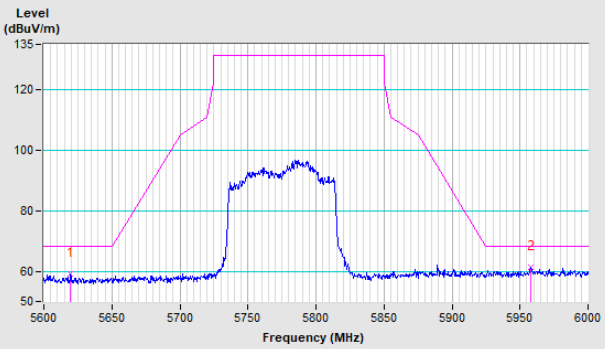
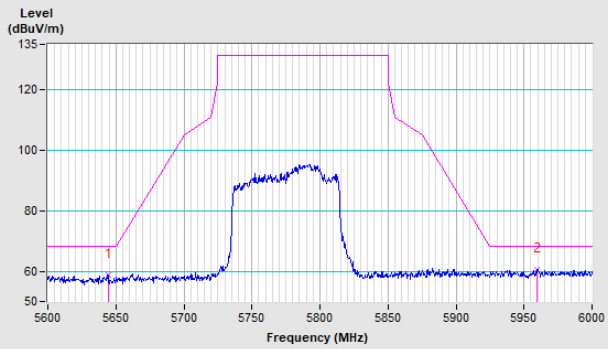
802.11ax (HE80) Channel 138

Horizontal (Peak)



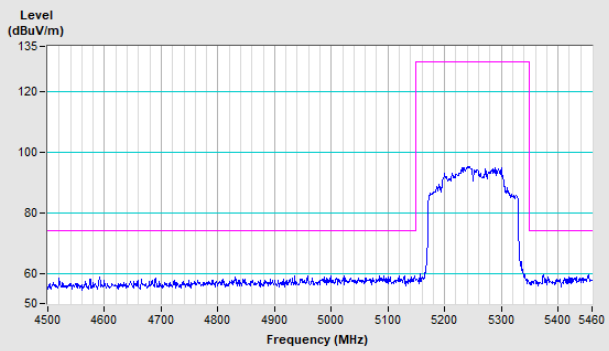
Vertical (Peak)



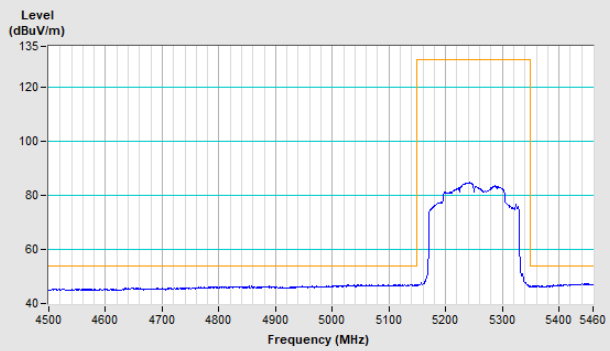
802.11ax (HE80) Channel 155	
Horizontal (Peak)	**Vertical (Peak)**
	

802.11ax (HE160) Channel 50

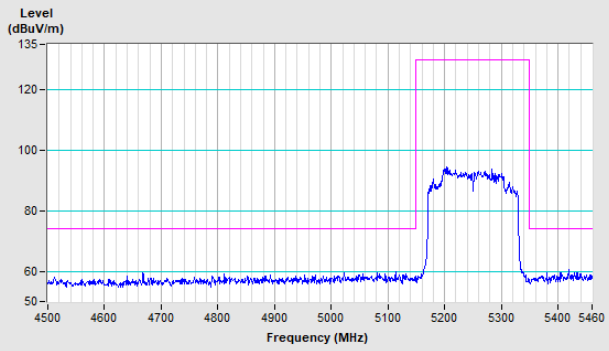
Horizontal (Peak)



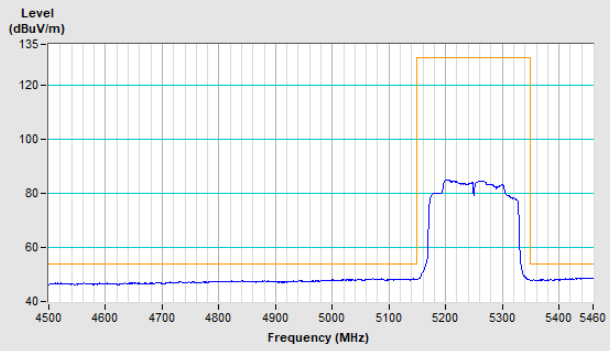
Horizontal (Average)



Vertical (Peak)

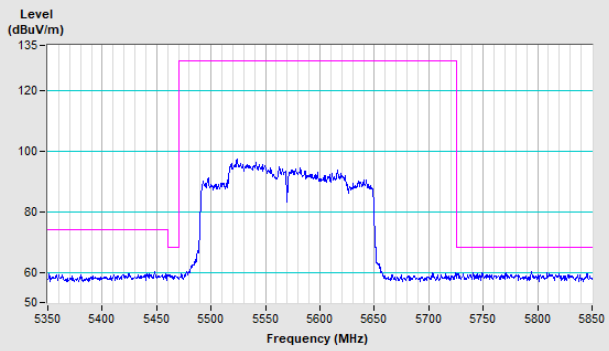


Vertical (Average)

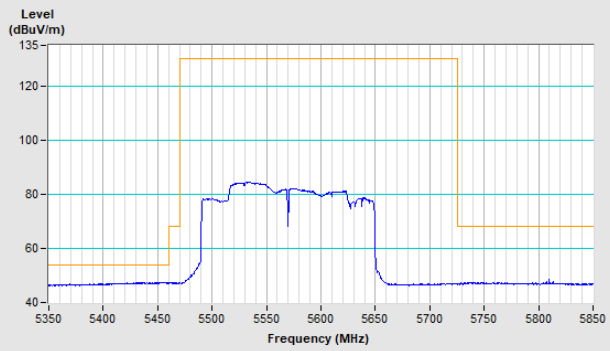


802.11ax (HE160) Channel 114

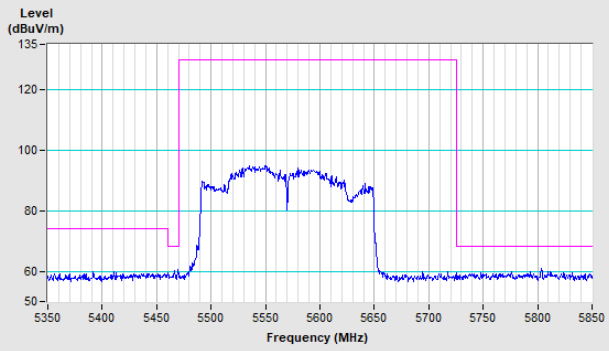
Horizontal (Peak)



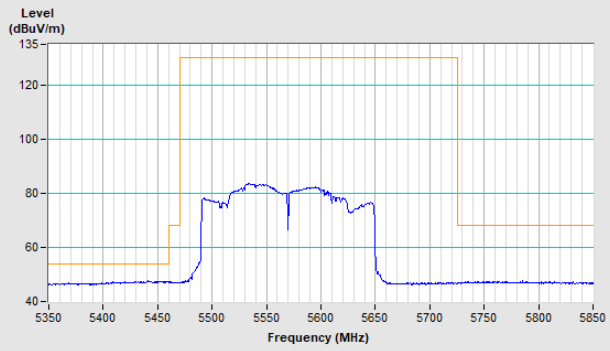
Horizontal (Average)



Vertical (Peak)

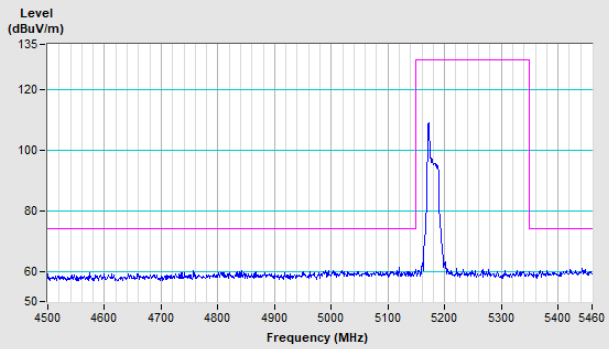


Vertical (Average)

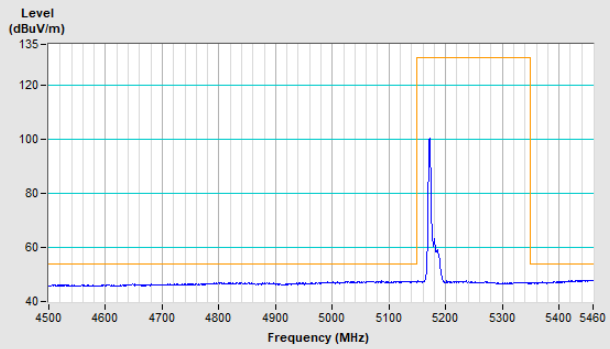


20 MHz Preamble 802.11ax (RU26) Channel 36

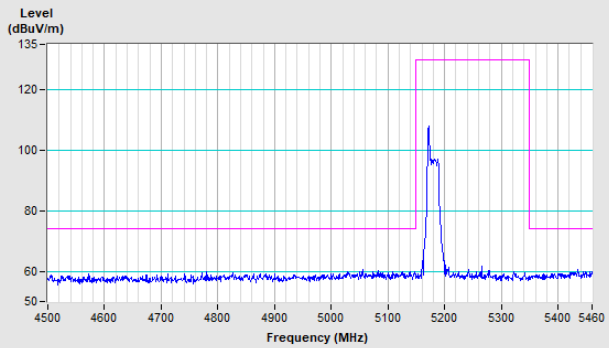
Horizontal (Peak)



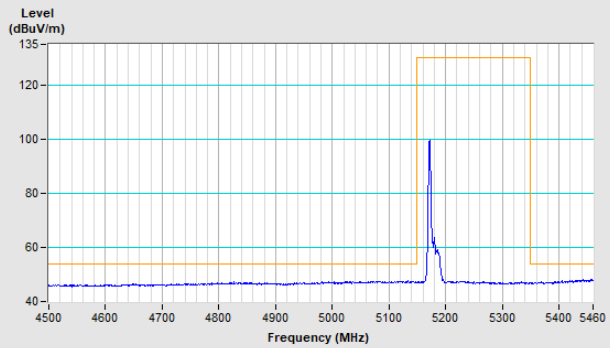
Horizontal (Average)



Vertical (Peak)

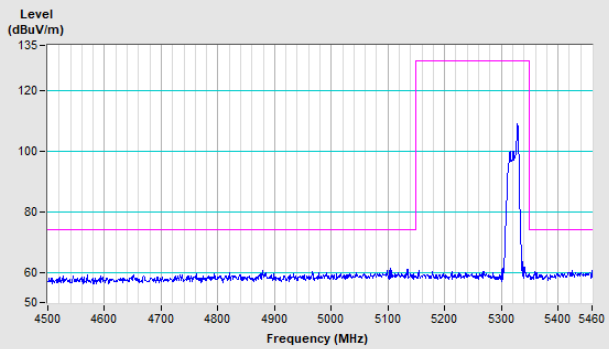


Vertical (Average)

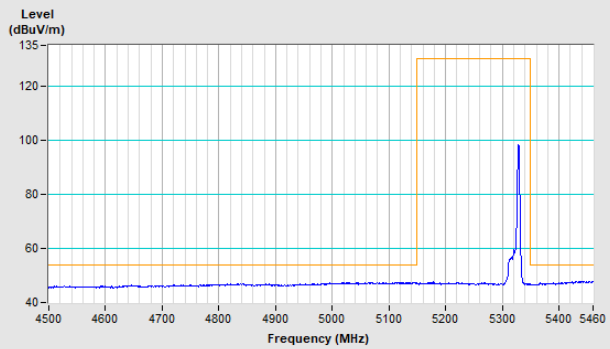


20 MHz Preamble 802.11ax (RU26) Channel 64

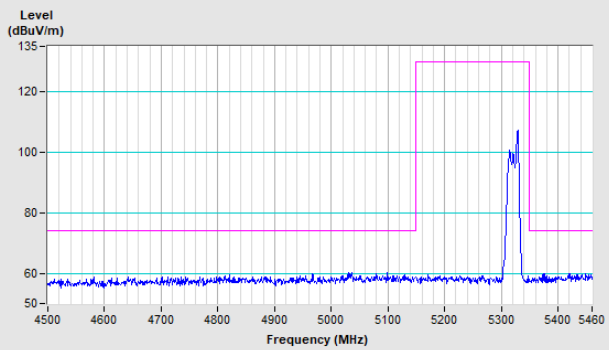
Horizontal (Peak)



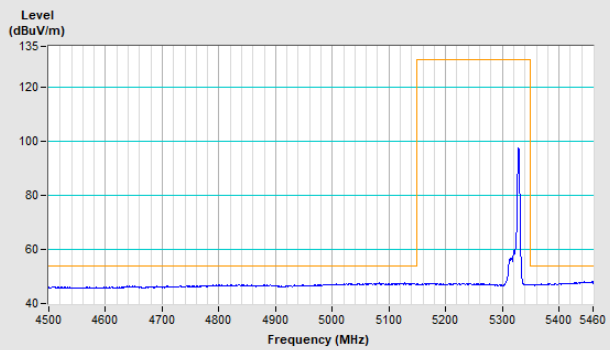
Horizontal (Average)



Vertical (Peak)

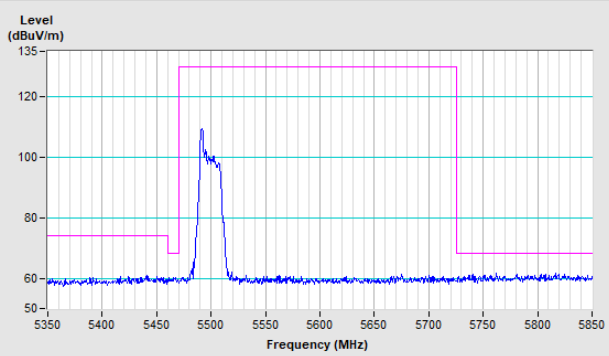


Vertical (Average)

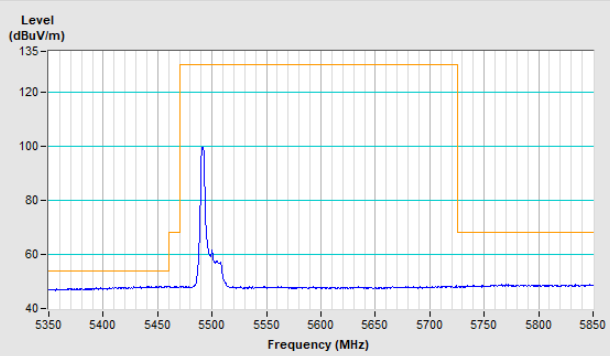


20 MHz Preamble 802.11ax (RU26) Channel 100

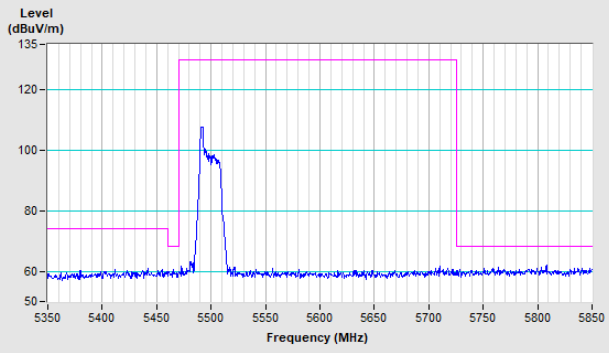
Horizontal (Peak)



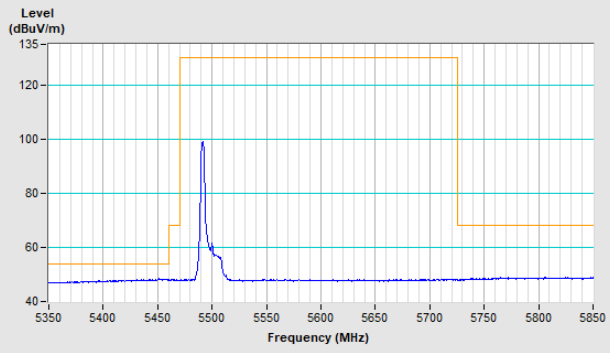
Horizontal (Average)



Vertical (Peak)

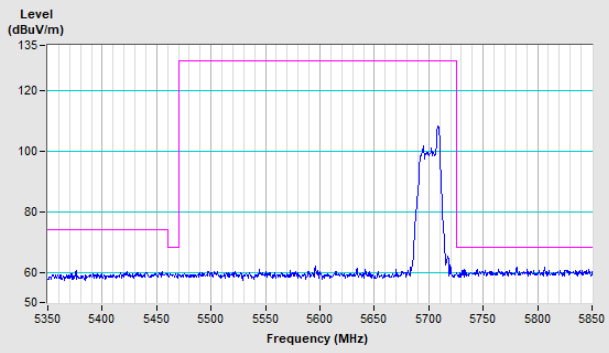


Vertical (Average)

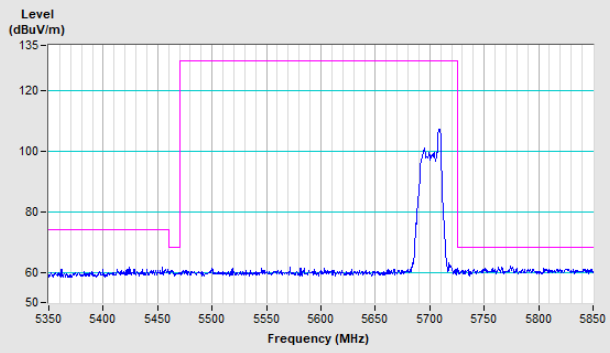


20 MHz Preamble 802.11ax (RU26) Channel 140

Horizontal (Peak)

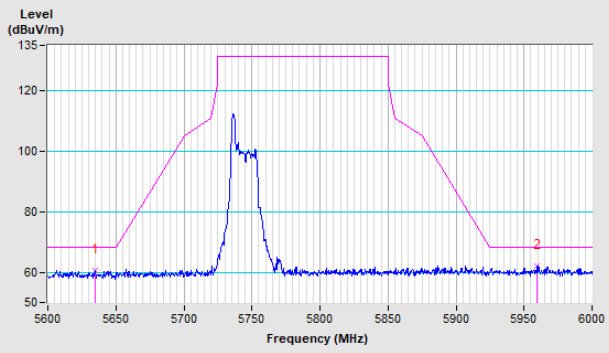


Vertical (Peak)

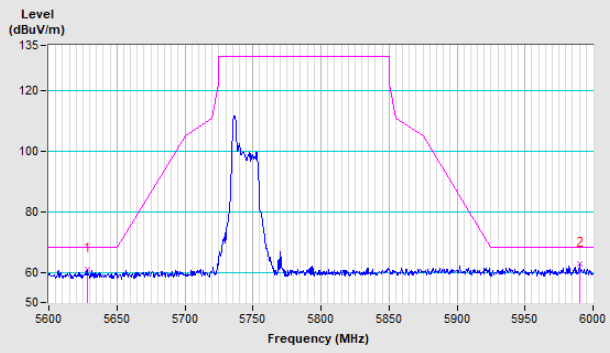


20 MHz Preamble 802.11ax (RU26) Channel 149

Horizontal (Peak)

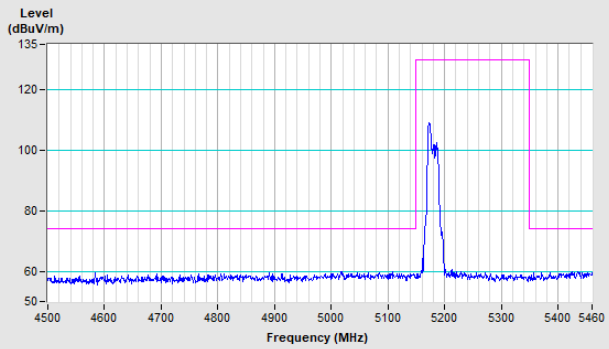


Vertical (Peak)

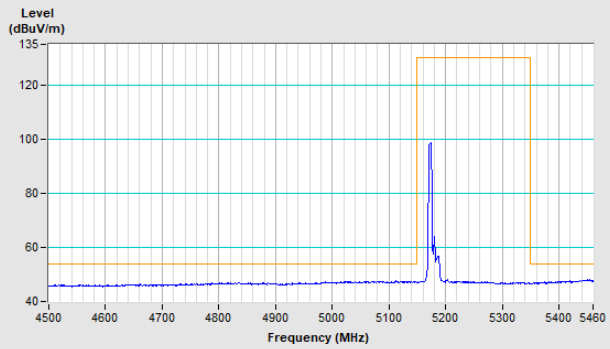


20 MHz Preamble 802.11ax (RU52) Channel 36

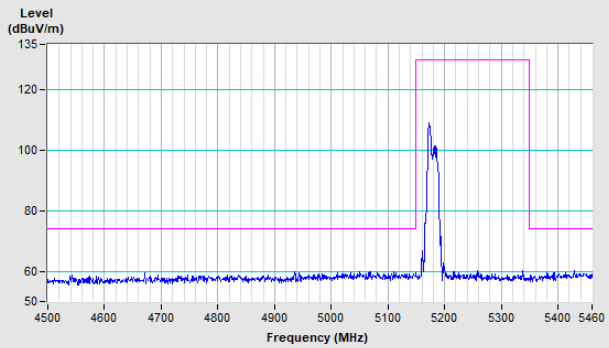
Horizontal (Peak)



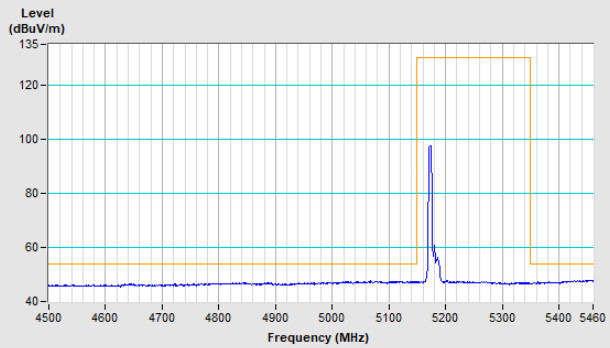
Horizontal (Average)



Vertical (Peak)

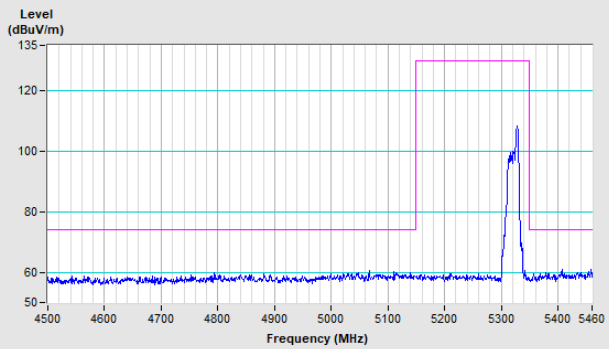


Vertical (Average)

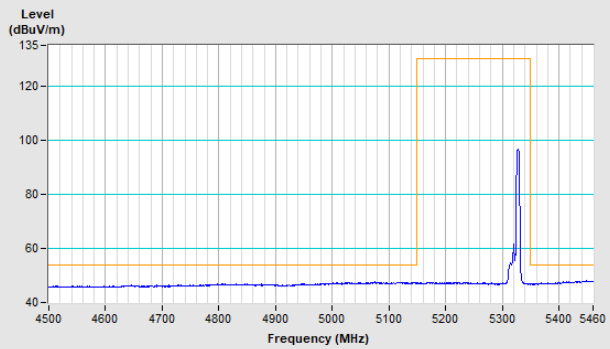


20 MHz Preamble 802.11ax (RU52) Channel 64

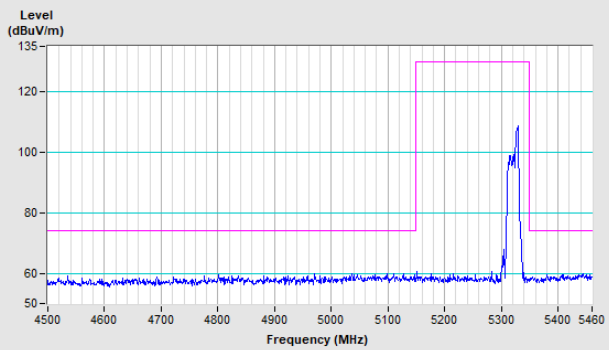
Horizontal (Peak)



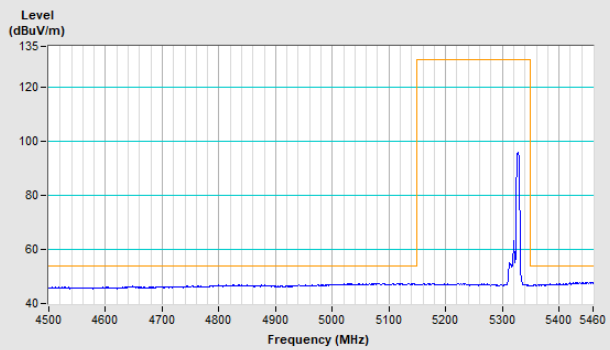
Horizontal (Average)



Vertical (Peak)

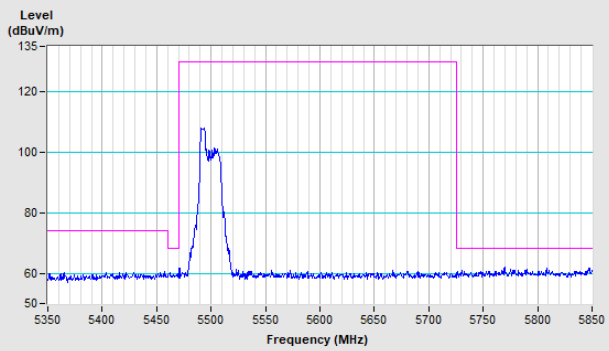


Vertical (Average)

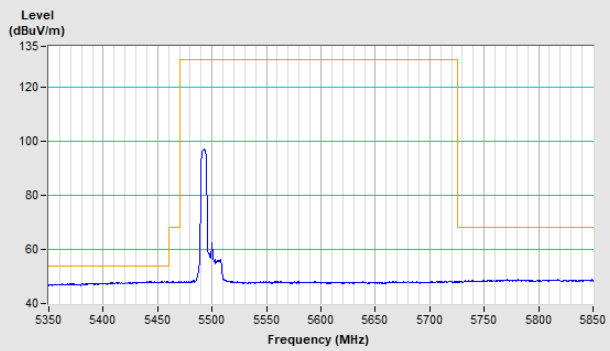


20 MHz Preamble 802.11ax (RU52) Channel 100

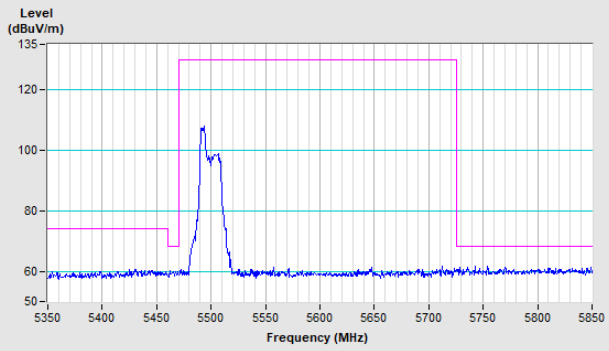
Horizontal (Peak)



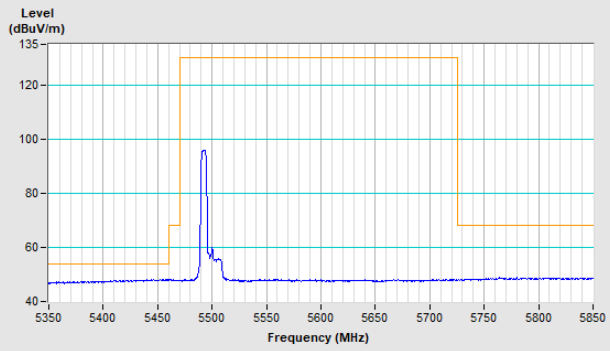
Horizontal (Average)



Vertical (Peak)

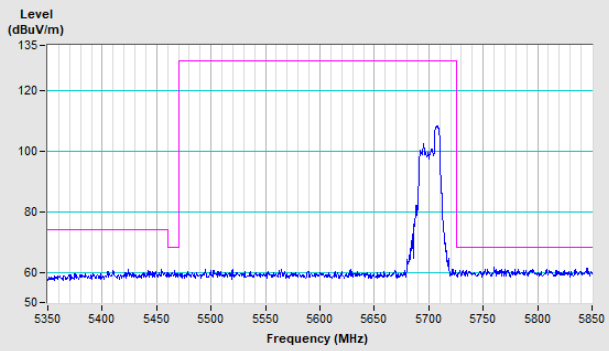


Vertical (Average)

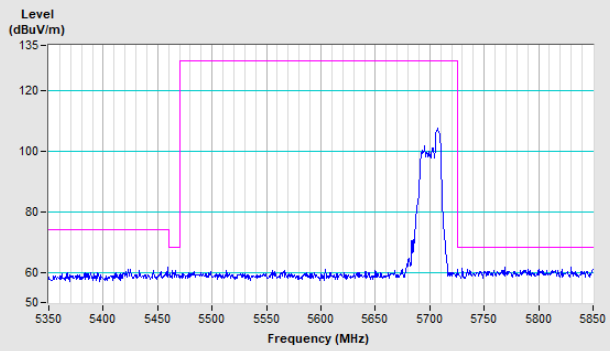


20 MHz Preamble 802.11ax (RU52) Channel 140

Horizontal (Peak)

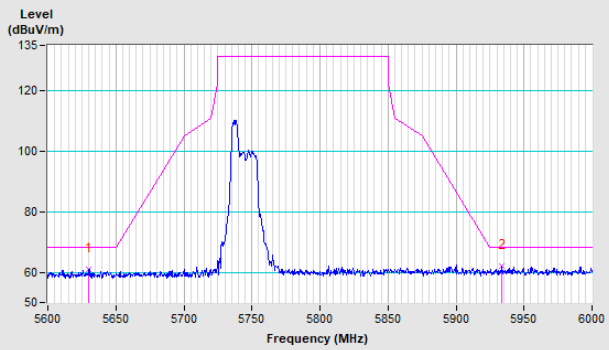


Vertical (Peak)

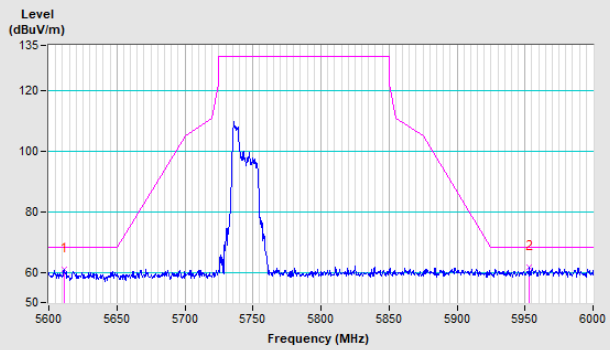


20 MHz Preamble 802.11ax (RU52) Channel 149

Horizontal (Peak)

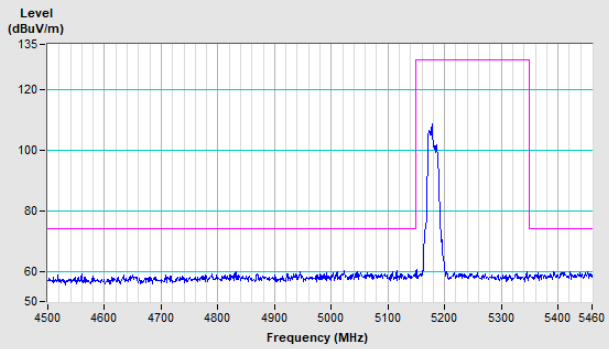


Vertical (Peak)

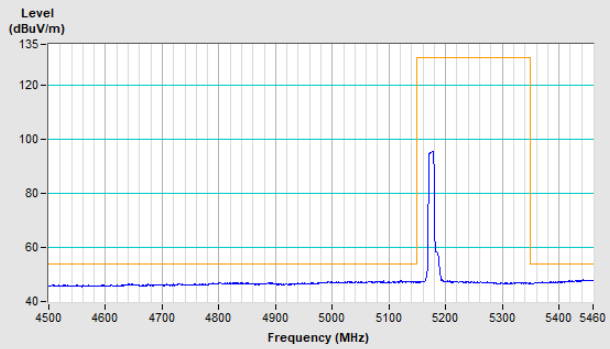


20 MHz Preamble 802.11ax (RU106) Channel 36

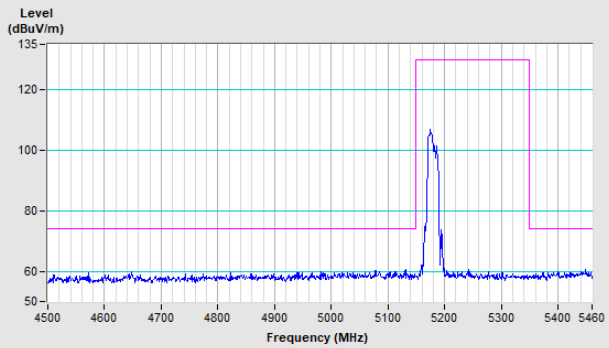
Horizontal (Peak)



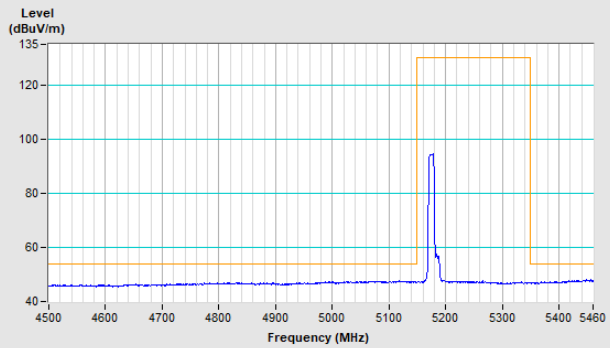
Horizontal (Average)



Vertical (Peak)

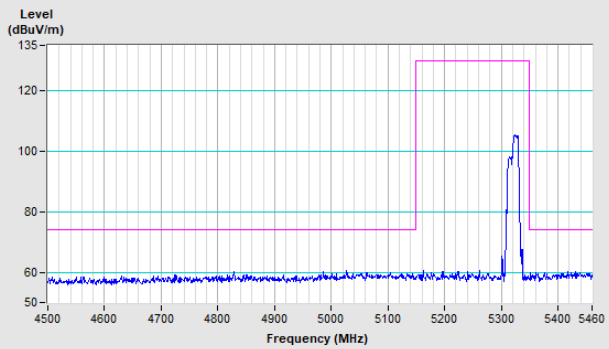


Vertical (Average)

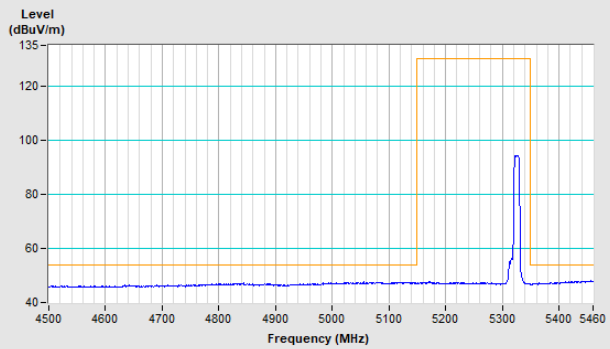


20 MHz Preamble 802.11ax (RU106) Channel 64

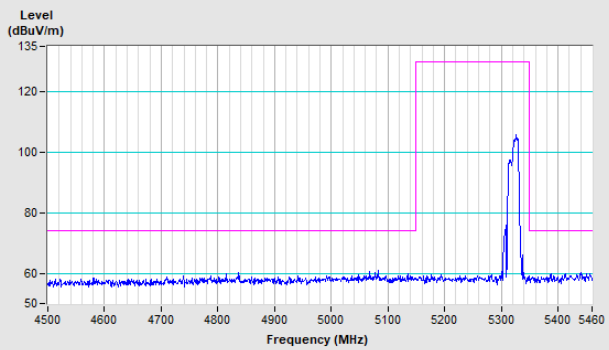
Horizontal (Peak)



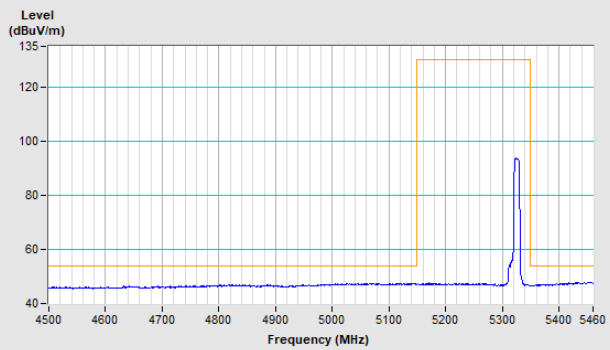
Horizontal (Average)



Vertical (Peak)

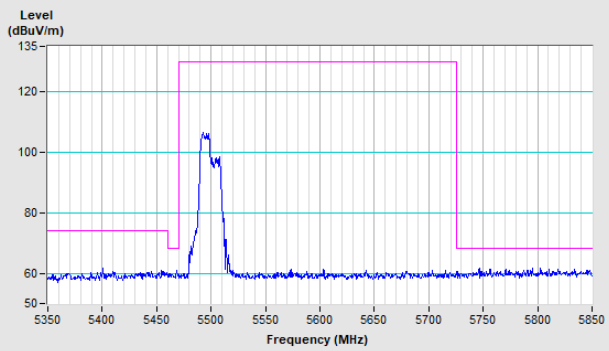


Vertical (Average)

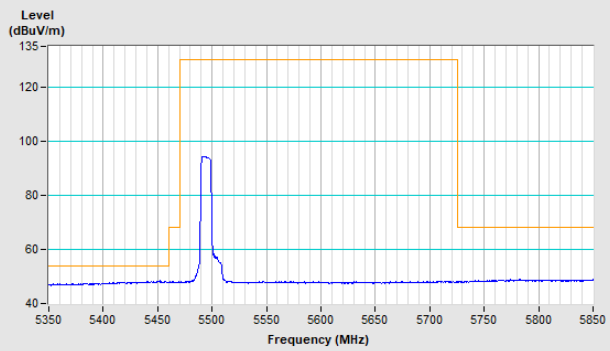


20 MHz Preamble 802.11ax (RU106) Channel 100

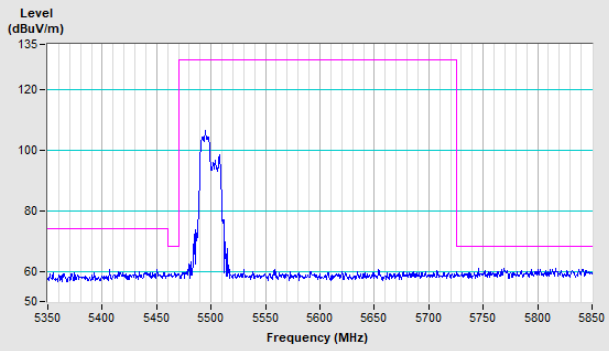
Horizontal (Peak)



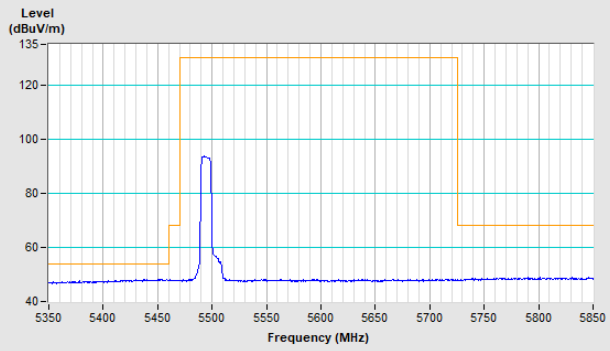
Horizontal (Average)



Vertical (Peak)

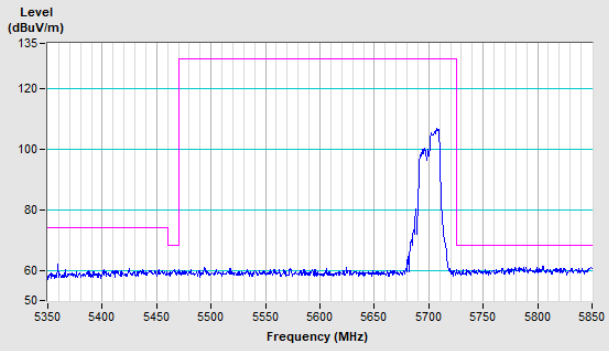


Vertical (Average)

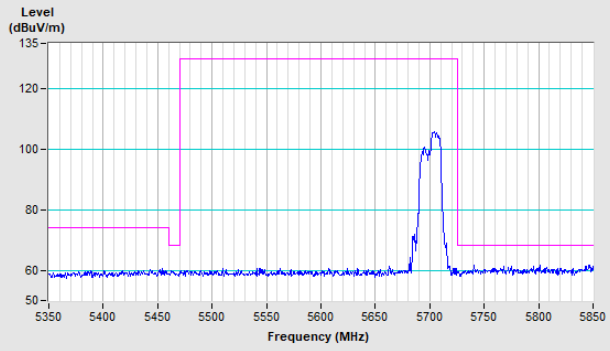


20 MHz Preamble 802.11ax (RU106) Channel 140

Horizontal (Peak)

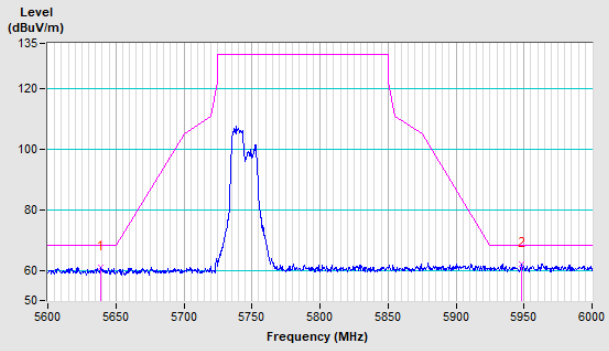


Vertical (Peak)

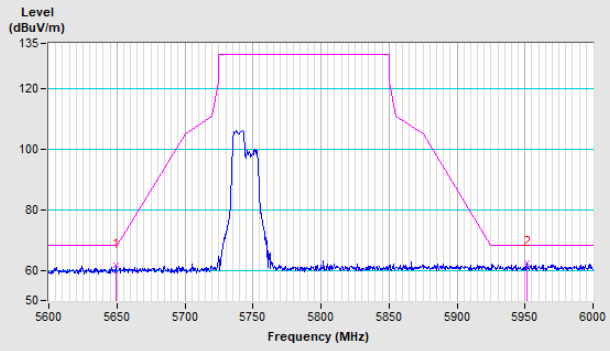


20 MHz Preamble 802.11ax (RU106) Channel 149

Horizontal (Peak)

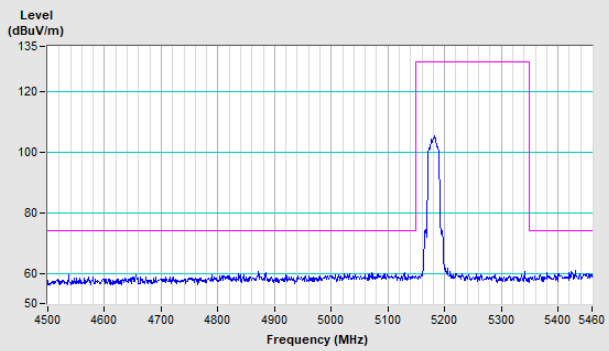


Vertical (Peak)

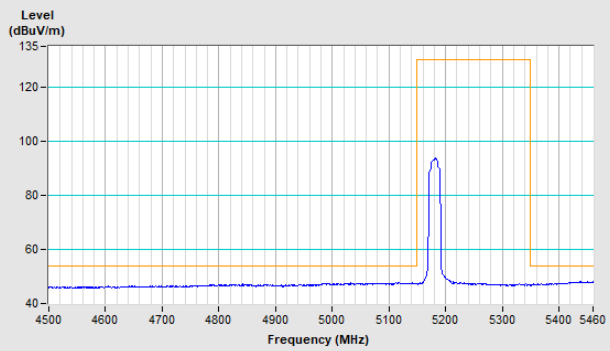


40 MHz Preamble 802.11ax (RU26) Channel 38

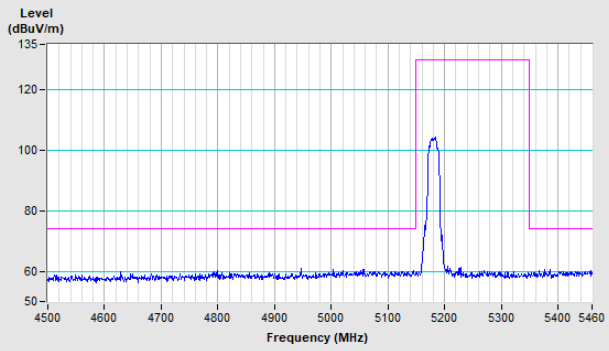
Horizontal (Peak)



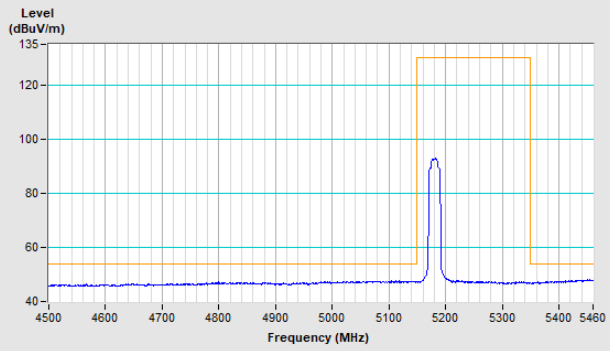
Horizontal (Average)



Vertical (Peak)

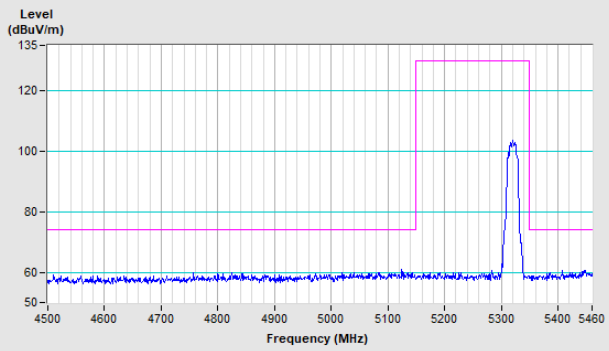


Vertical (Average)

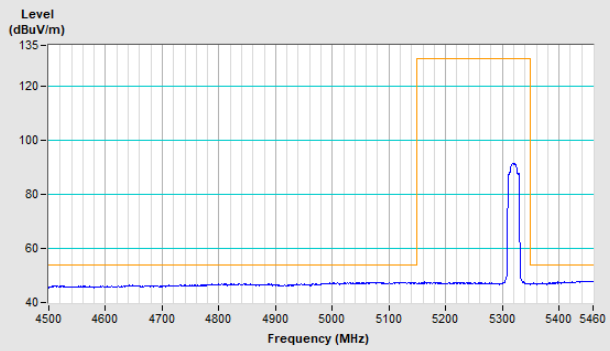


40 MHz Preamble 802.11ax (RU26) Channel 62

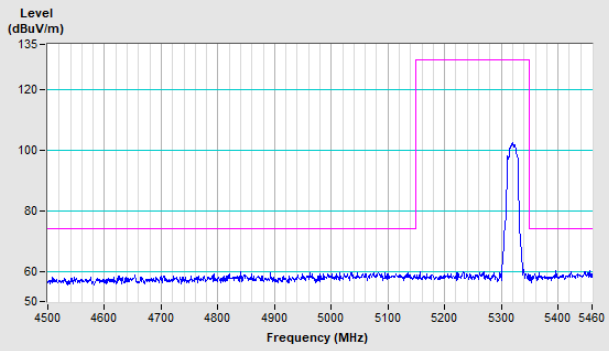
Horizontal (Peak)



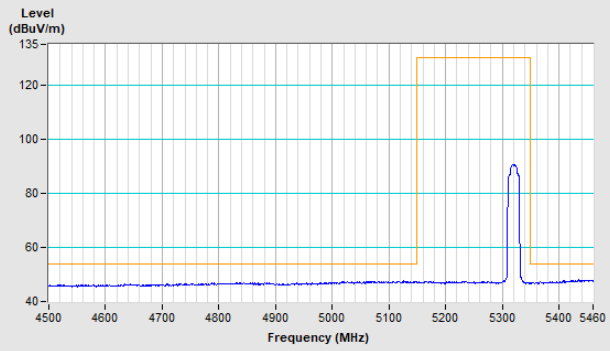
Horizontal (Average)



Vertical (Peak)

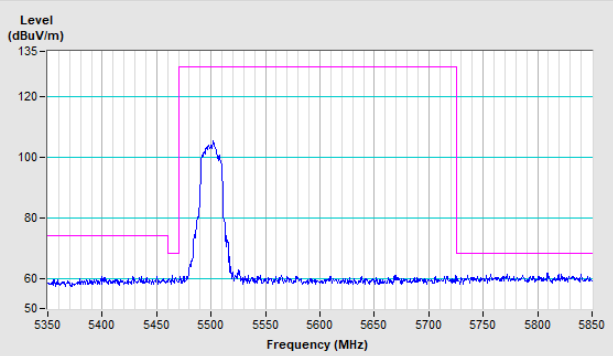


Vertical (Average)

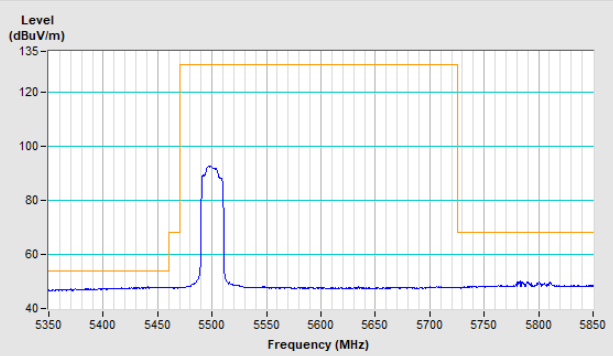


40 MHz Preamble 802.11ax (RU26) Channel 102

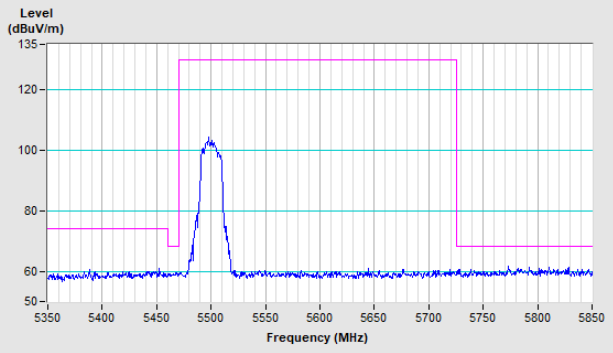
Horizontal (Peak)



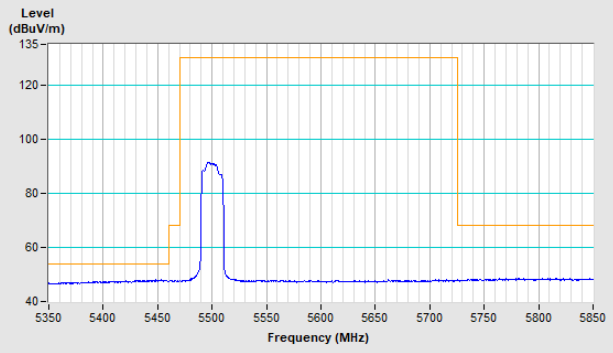
Horizontal (Average)



Vertical (Peak)

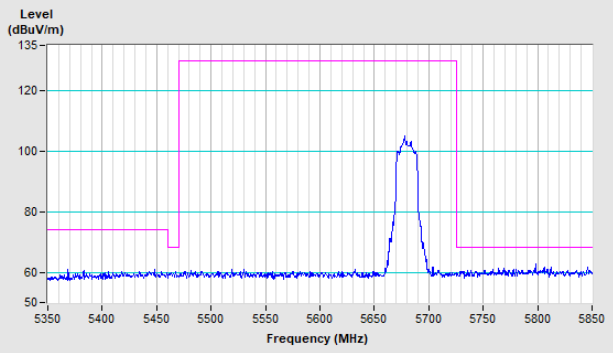


Vertical (Average)

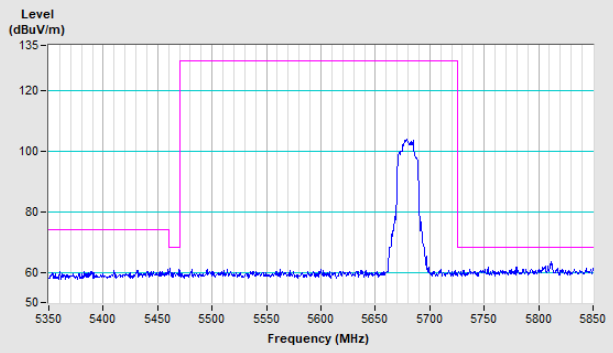


40 MHz Preamble 802.11ax (RU26) Channel 134

Horizontal (Peak)

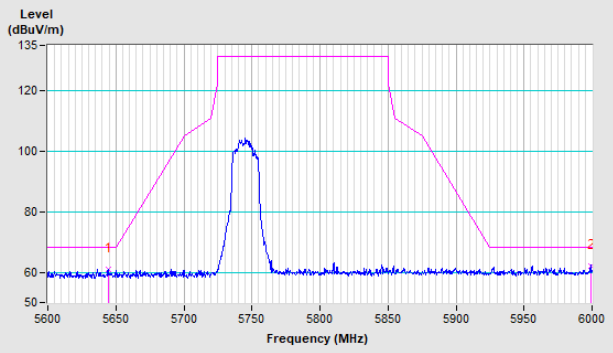


Vertical (Peak)

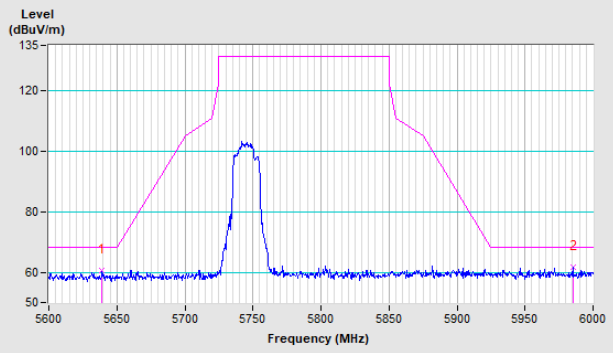


40 MHz Preamble 802.11ax (RU26) Channel 151

Horizontal (Peak)

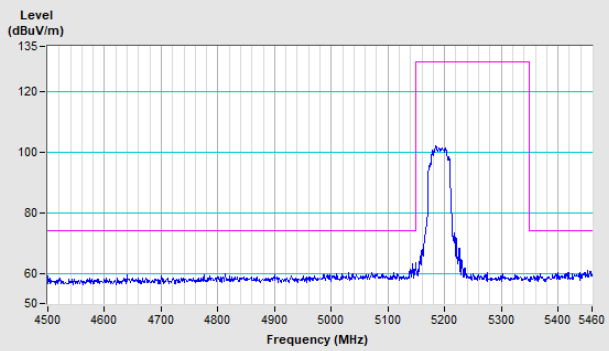


Vertical (Peak)

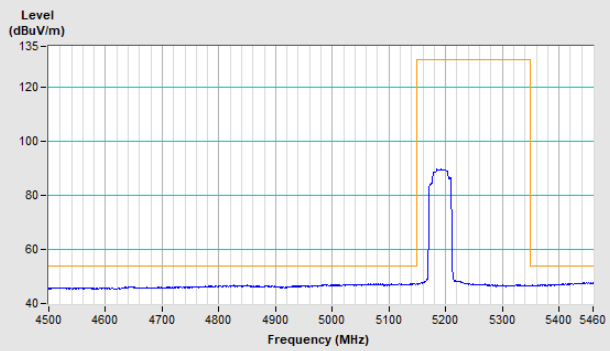


80 MHz Preamble 802.11ax (RU484) Channel 42

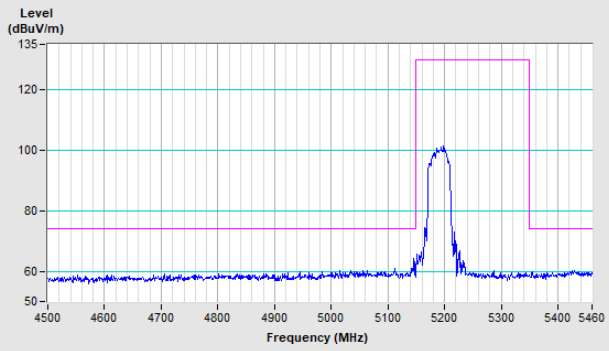
Horizontal (Peak)



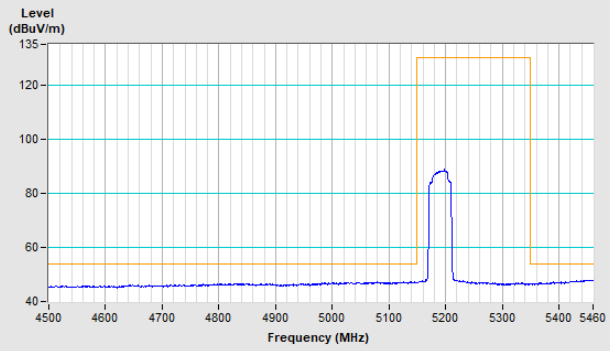
Horizontal (Average)



Vertical (Peak)

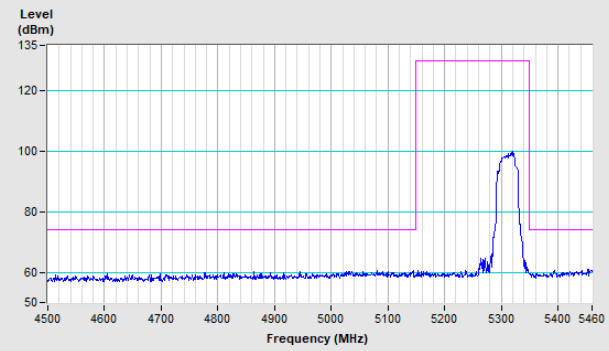


Vertical (Average)

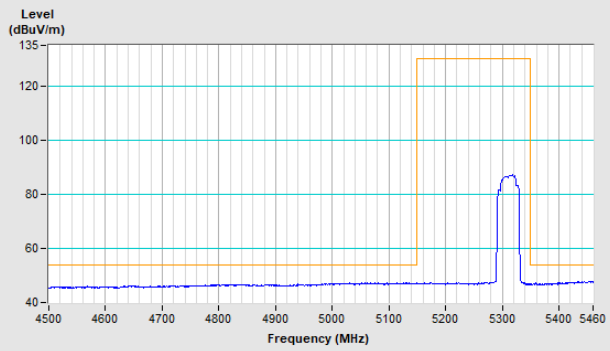


80 MHz Preamble 802.11ax (RU484) Channel 58

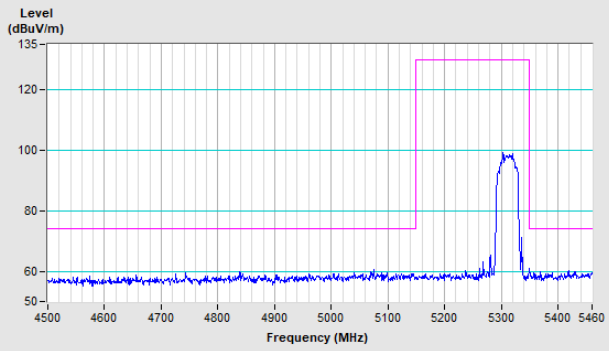
Horizontal (Peak)



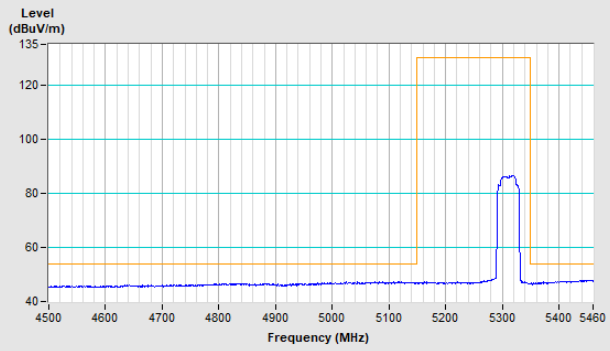
Horizontal (Average)



Vertical (Peak)

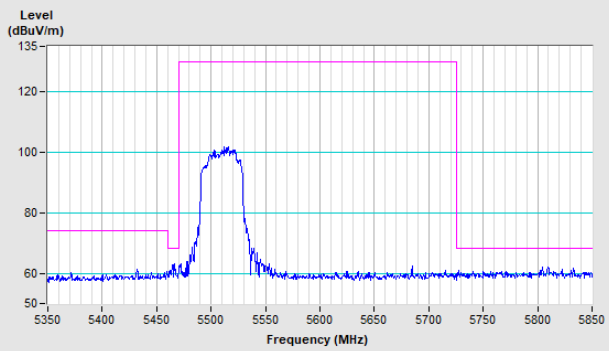


Vertical (Average)

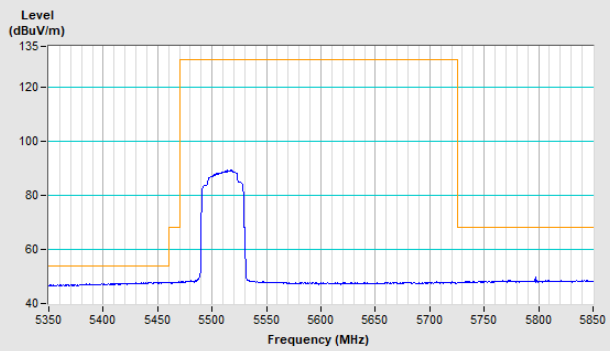


80 MHz Preamble 802.11ax (RU484) Channel 106

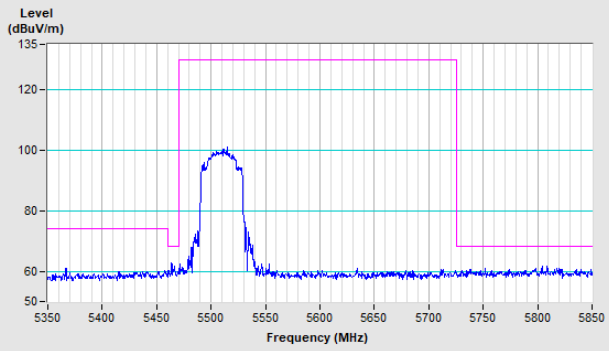
Horizontal (Peak)



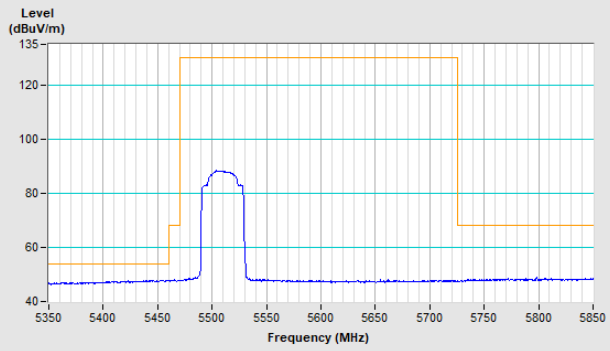
Horizontal (Average)



Vertical (Peak)

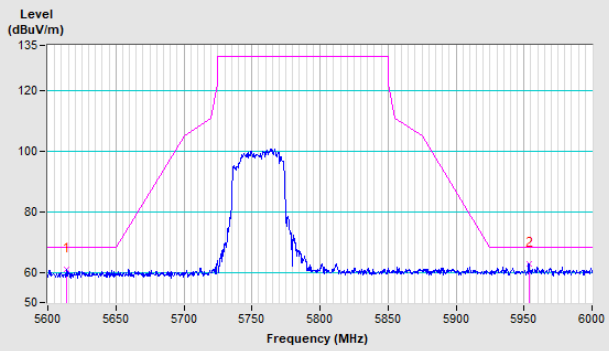


Vertical (Average)

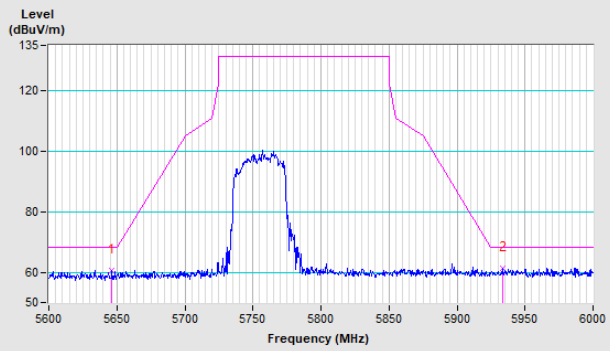


80 MHz Preamble 802.11ax (RU484) Channel 155

Horizontal (Peak)

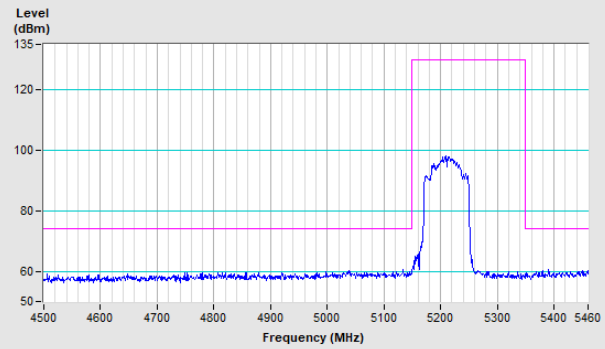


Vertical (Peak)

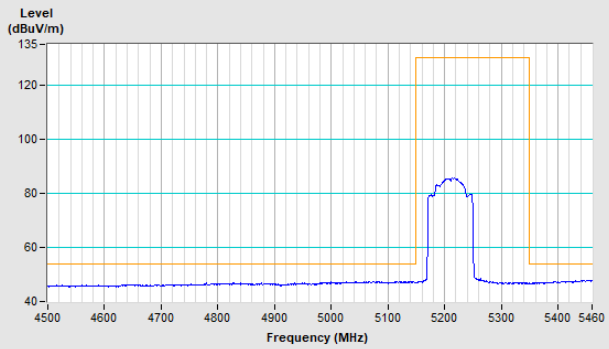


160 MHz Preamble 802.11ax (RU996) Channel 50

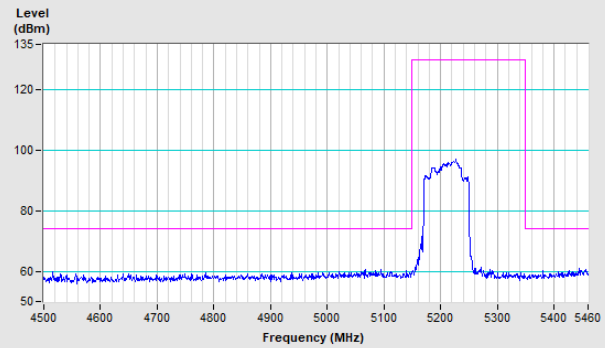
Horizontal (Peak)



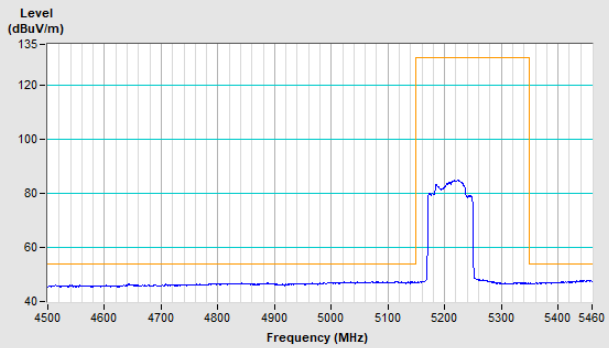
Horizontal (Average)



Vertical (Peak)

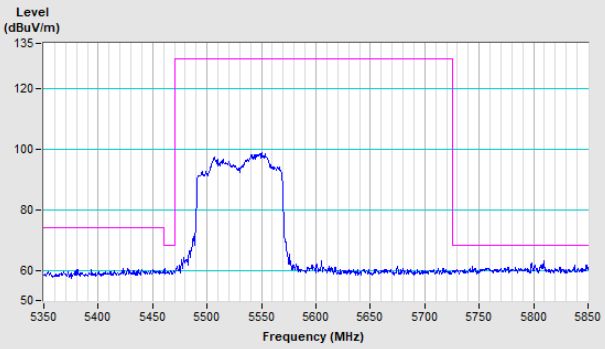


Vertical (Average)

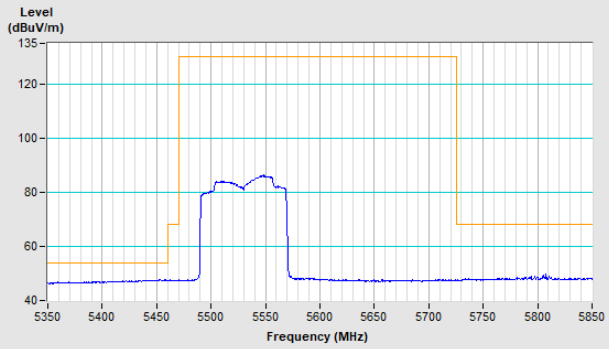


160 MHz Preamble 802.11ax (RU996) Channel 114

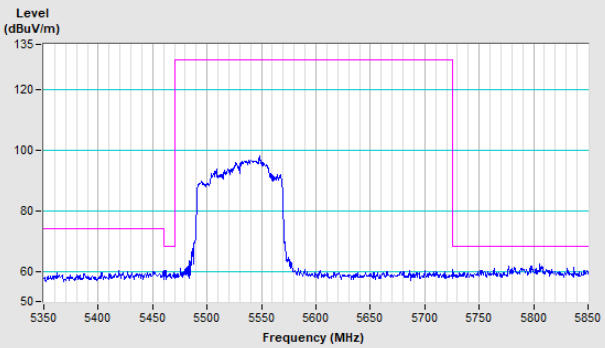
Horizontal (Peak)



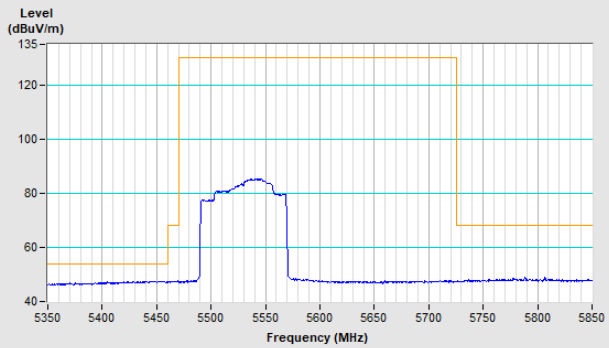
Horizontal (Average)



Vertical (Peak)

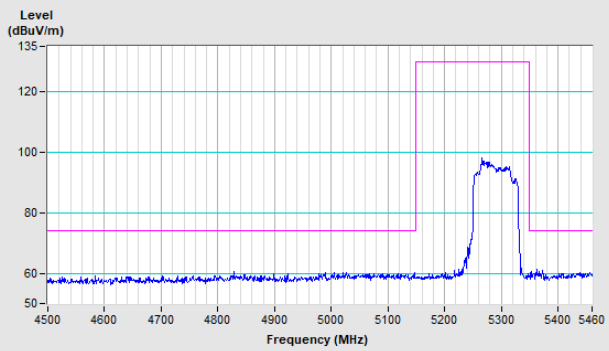


Vertical (Average)

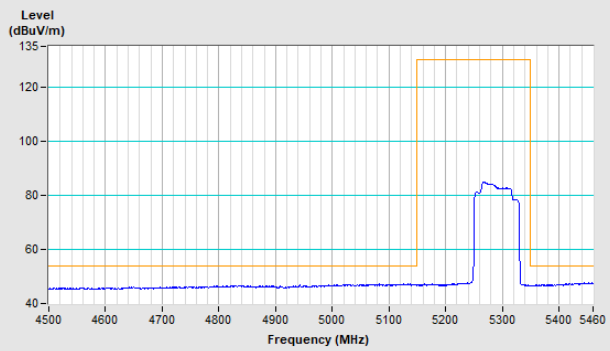


160 MHz Preamble 802.11ax (RU996/S67) Channel 50

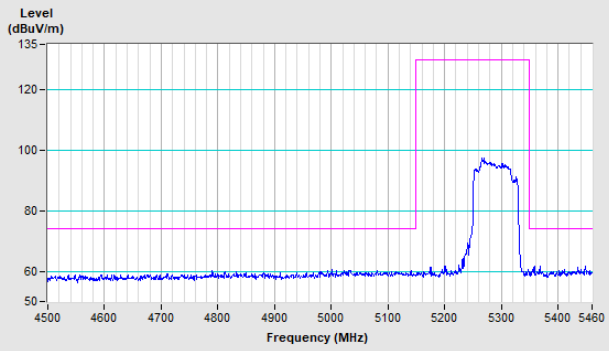
Horizontal (Peak)



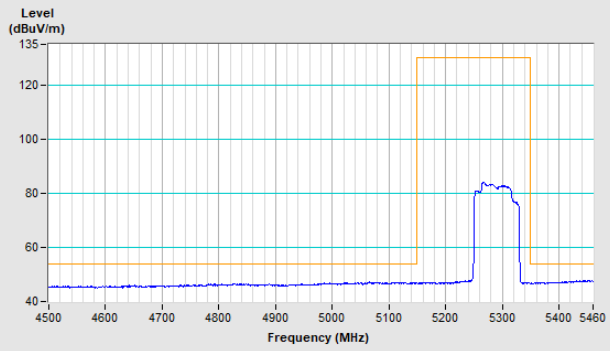
Horizontal (Average)



Vertical (Peak)

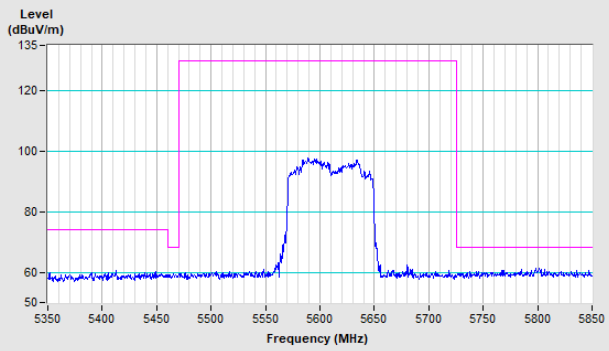


Vertical (Average)

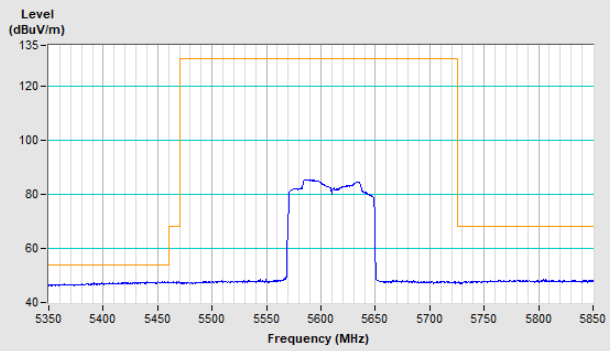


160 MHz Preamble 802.11ax (RU996/S67) Channel 114

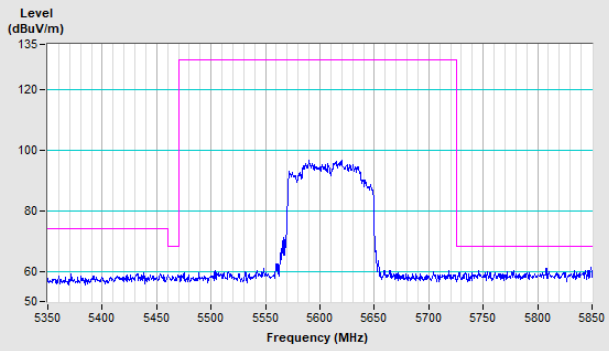
Horizontal (Peak)



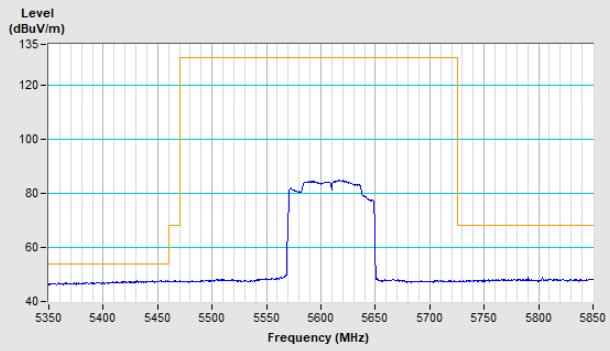
Horizontal (Average)



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:

Lin Kou EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

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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