

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBEFM-WTW-P24110678-4
FCC ID: ARS-CRD29
Product: Wi-Fi module
Brand: Philips
Model No.: CRD29
Received Date: 2024/11/28
Test Date: 2024/12/20 ~ 2025/1/10
Issued Date: 2025/1/22

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FCC Registration / Test Location:198487 / TW2021 for Test Location(1)
Designation Number: 281270 / TW0032 for Test Location(2)

Approved by: Jeremy Lin, Date: 2025/1/22
Jeremy Lin / Project Engineer

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Prepared by : Annie Chang / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEFM-WTW-P24110678-4	Original release.	2025/1/22

1 Certificate

Product: Wi-Fi module

Brand: Philips

Test Model: CRD29

Sample Status: Engineering sample

Applicant: TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.

Test Date: 2024/12/20 ~ 2025/1/10

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

Measurement ANSI C63.10-2013

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

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -12.08 dB at 0.16956 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -6.7 dB at 34.36 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -5.8 dB at 10360.00 and 10400.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

Notes:

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Expanded Uncertainty (k=2) (±)
26 dB Bandwidth	-	960 Hz
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	960 Hz
Occupied Bandwidth	-	960 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	Wi-Fi module
Brand	Philips
Test Model	CRD29
Status of EUT	Engineering sample
Power Supply Rating	DC 3.3V from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	Up to 1201.0 Mbps
Operating Frequency	5.18 ~ 5.24 GHz, 5.26 ~ 5.32 GHz, 5.5 ~ 5.72 GHz, 5.745 ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):12 802.11ac (VHT80), 802.11ax (HE80) 6
Output Power	5.18 GHz ~ 5.24 GHz : 26.156 mW (14.18 dBm) 5.26 GHz ~ 5.32 GHz : 27.58 mW (14.41 dBm) 5.5 GHz ~ 5.72 GHz : 26.581 mW (14.25 dBm) 5.745 GHz ~ 5.825 GHz : 26.218 mW (14.19 dBm)
EUT Category	Client device

Note:

1. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology used for the EUT.
2. Simultaneously transmission combination.

Combination	Technology	
1	WLAN (2.4 GHz)	Bluetooth
2	WLAN (5 GHz)	Bluetooth

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

3. The EUT does not support Partial RU technology.
4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Brand	Model	Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable Length
1(WIFI)	0/1	TPV	368GAAWA1950YL	2.99	2.4~2.5	Dipole	ipex(MHF)	70mm
				3.73	5.15~5.85	Dipole	ipex(MHF)	70mm
2(WIFI)	0/1	TPV	SLK-GJ-P2808A-L-200I-B	2.01	2.4~2.5	PIFA	ipex(MHF)	200mm
				2.74	5.15~5.85	PIFA	ipex(MHF)	200mm
3(WIFI)	0/1	TPV	SLK-GJ-P2808B-R-550I-G	2.9	2.4~2.5	PIFA	ipex(MHF)	550mm
				2.79	5.15~5.85	PIFA	ipex(MHF)	550mm
4(WIFI)	0/1	TPV	SLK-GJ-T3018-R-507I-G	1.99	2.4~2.5	PIFA	ipex(MHF)	507mm
				1.72	5.15~5.85	PIFA	ipex(MHF)	507mm
5(BT)	2	TPV	368GAAWA1920YL	2.22	2.4~2.5	PIFA	ipex(MHF)	35mm

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

2. The EUT incorporates a MIMO function:

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

Note: The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz) and 802.11ax mode for 20 MHz (40 MHz, 80 MHz). Therefore the investigated worst case is the representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The PIFA(SLK-GJ-P2808A-L-200I-B)/ PIFA(SLK-GJ-P2808B-R-550I-G)/ PIFA(SLK-GJ-T3018-R-507I-G) antenna can be used in the following ways: X / Y / Z axis. Pre-scan in these ways and find the worst case as a representative test condition. 2. The Dipole(368GAAWA1950YL) antenna can be used in the following ways: X / Z axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	1. The PIFA antenna the worst condition: PIFA(SLK-GJ-P2808B-R-550I-G) on Z axis. 2. The Dipole antenna the worst condition: Dipole(368GAAWA1950YL) on Z axis.

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

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

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

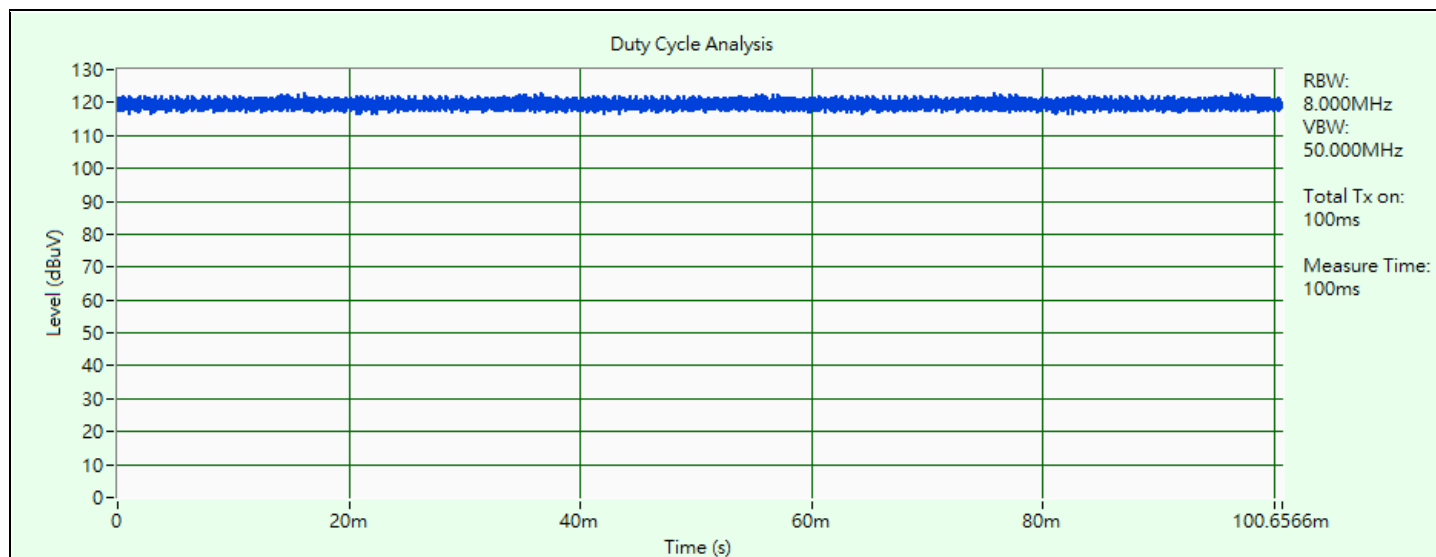
3.5 Duty Cycle of Test Signal

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

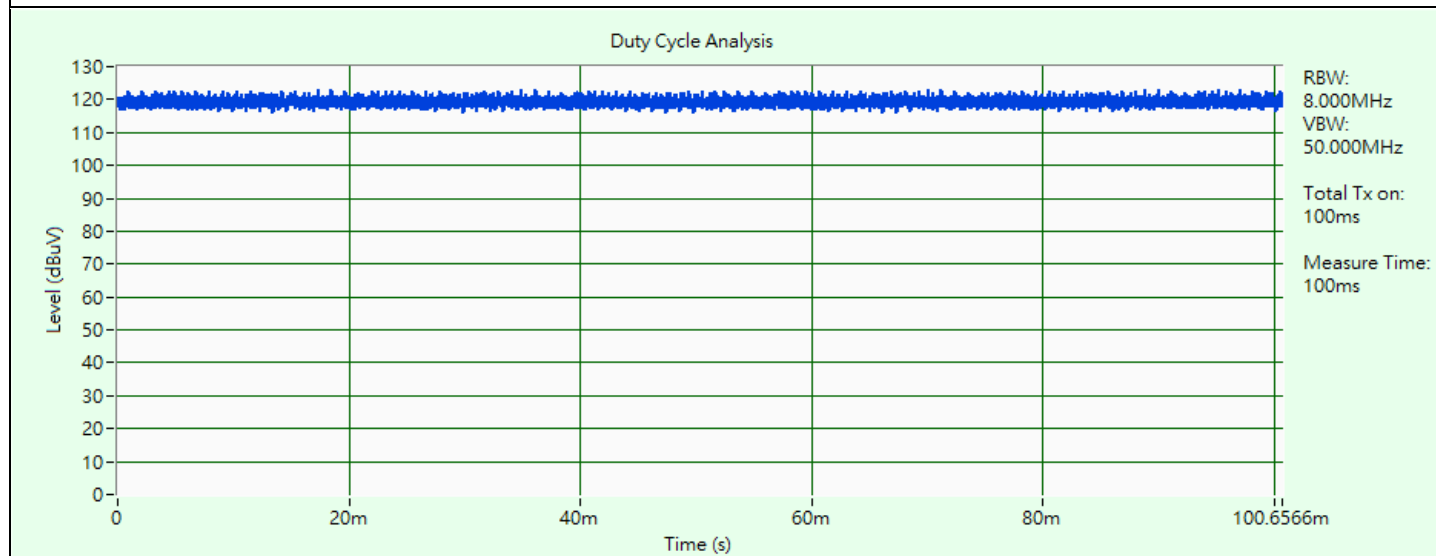
802.11ax (HE20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

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

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

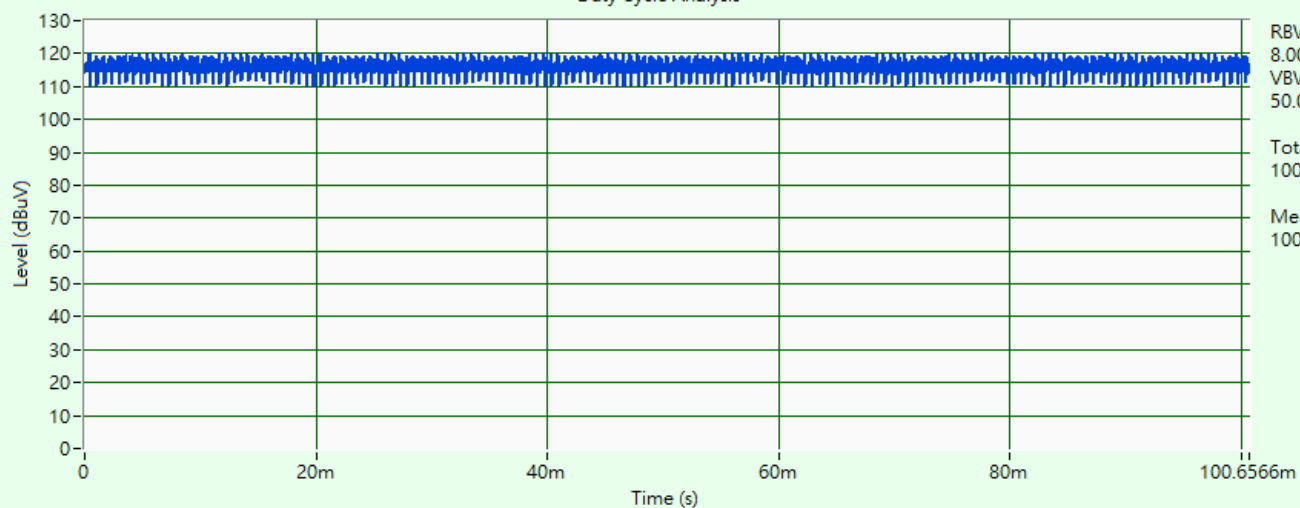


802.11a



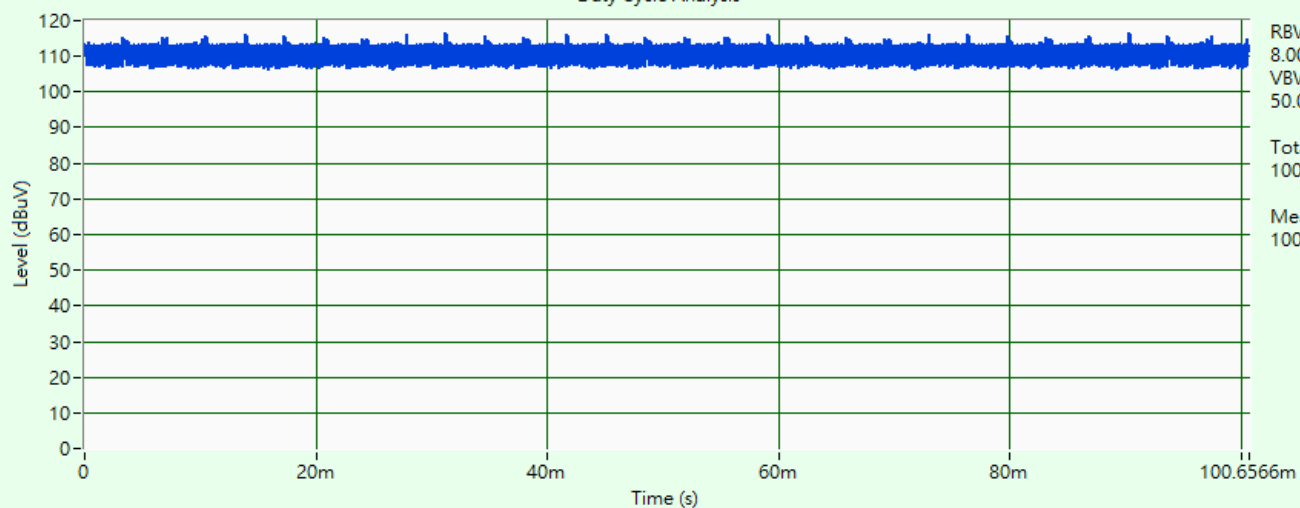
802.11ax (HE20)

Duty Cycle Analysis



802.11ax (HE40)

Duty Cycle Analysis



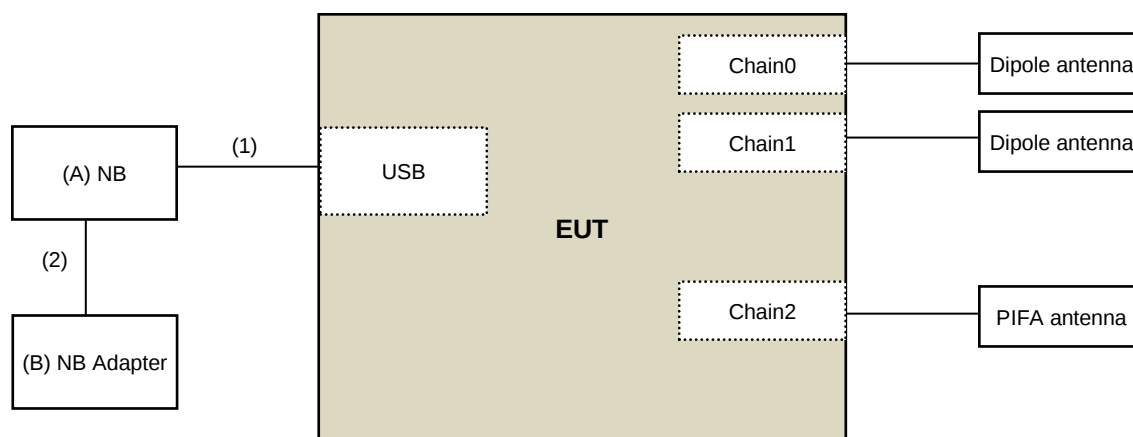
802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

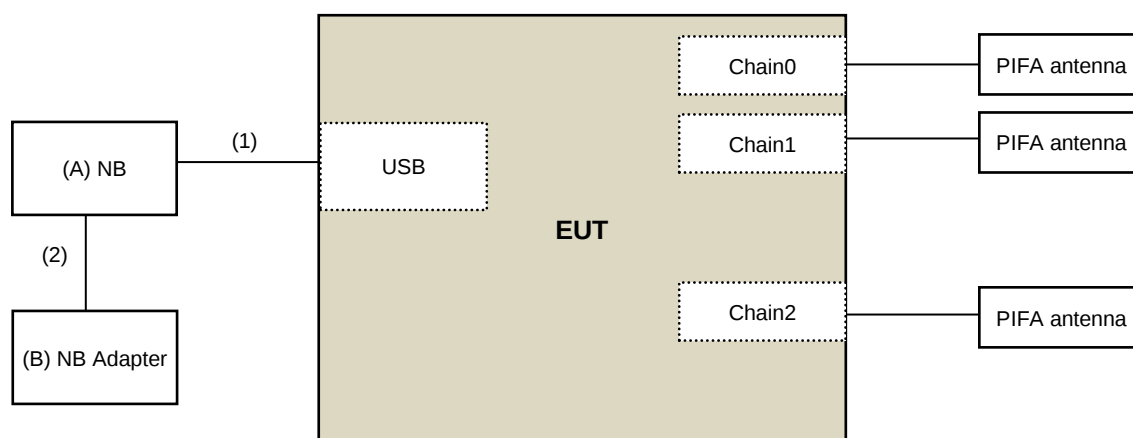
Controlling software (RTL8852B_USB_MP_Package_ALPHA_v1.0.52) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

Mode A



Mode B



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	NB	Lenovo	IdeaPad 5 15ITL05	N/A	N/A	Provided by Lab
B	NB Adapter	Lenovo	ADLX65CLGC2A	N/A	N/A	Provided by Lab

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

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030A	MY54490260	2024/7/17	2025/7/16
Signal Analyzer R&S	FSV40	101042	2024/9/12	2025/9/11
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/1/7

4.2 RF Output Power

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

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2025/1/7

4.3 Power Spectral Density

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

4.4 6 dB Bandwidth

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

4.5 Occupied Bandwidth

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

4.6 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-01-305	2024/2/6	2025/2/5
		E1-01-306	2024/3/13	2025/3/12
EMI Test Receiver R&S	ESR3	102412	2024/12/26	2025/12/25
		102414	2024/12/11	2025/12/10
Fixed Attenuator STI	STI02-2200-10	NO.4	2024/8/30	2025/8/29
High Voltage Probe Schwarzbeck	TK9420	00982	2024/12/6	2025/12/5
Isolation Transformer Erika Fiedler	D-65396	017	2024/9/18	2025/9/17
LISN R&S	ENV216	101196	2024/5/22	2025/5/21
LISN Schwarzbeck	NNLK 8121	8121-731	2024/6/12	2025/6/11
		8121-808	2024/4/26	2025/4/25
	NNLK 8129	8129229	2024/10/14	2025/10/13
	NSLK 8128	8128-244	2024/11/11	2025/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2024/5/16	2025/5/15
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2024/1/18	2025/1/17
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2025/1/9 ~ 2025/1/10

4.7 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1214	2024/10/15	2025/10/14
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC330N	980798	2024/1/15	2025/1/14
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-3000	201249	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-9000	201251(with PAD)	2024/1/15	2025/1/14
Software BV ADT	ADT_Radiated_V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/1/10

4.8 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28 2024/12/30	2024/12/27 2025/12/29
Horn Antenna RFSPIN	DRH18-E	210104A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier Agilent	83017A	MY39501357	2024/6/12	2025/6/11
Preamplifier EMCI	EMC184045SE	980788	2024/1/15	2025/1/14
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2024/1/15	2025/1/14
	EMC101G-KM-KM-3000	201258	2024/1/15	2025/1/14
	EMC101G-KM-KM-5000	201261	2024/1/15	2025/1/14
	EMC104-SM-SM-1000	210103	2024/1/15	2025/1/14
	EMC104-SM-SM-3000	201241	2024/1/15	2025/1/14
	EMC104-SM-SM-9000	201244	2024/1/15	2025/1/14
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2024/12/20 ~ 2025/1/10

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 AC Power Conducted Emissions

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

Notes:

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

5.7 Unwanted Emissions below 1 GHz

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

Frequencies (MHz)	1. Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Notes:

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

5.8 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

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

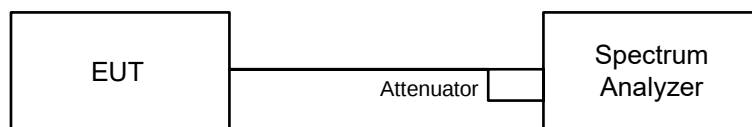
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

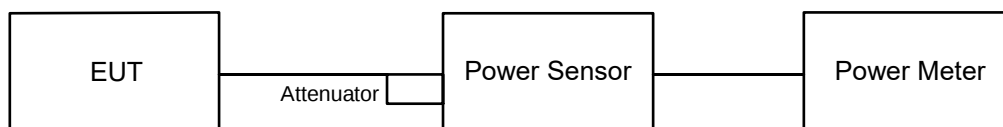


6.1.2 Test Procedure

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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

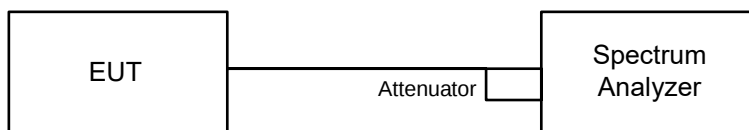
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:

Method SA-1

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

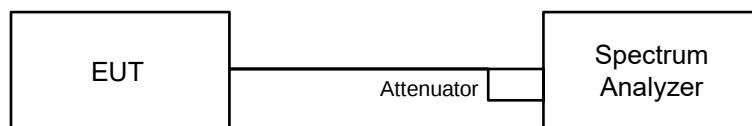
For specified measurement bandwidth 500 kHz:

Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

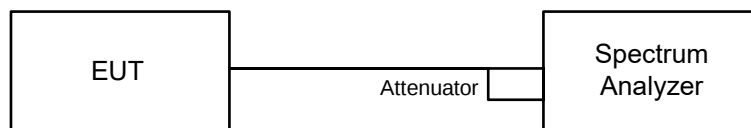


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

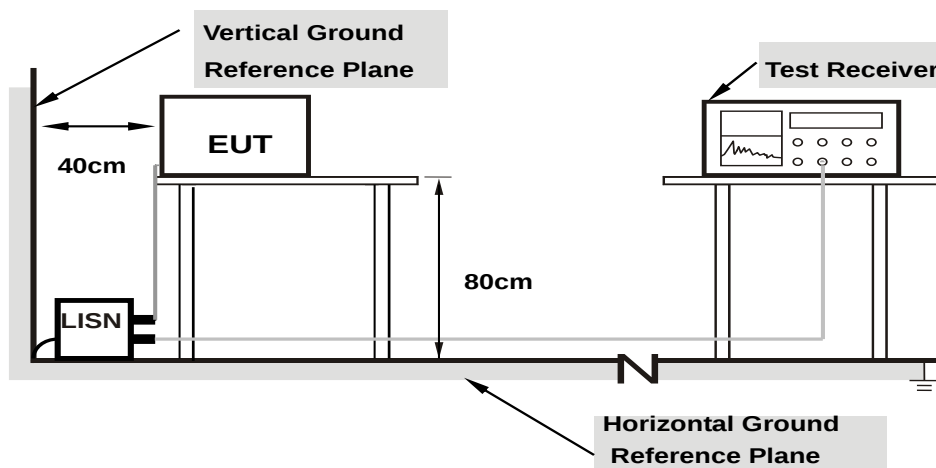


6.5.2 Test Procedure

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

6.6 AC Power Conducted Emissions

6.6.1 Test Setup



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

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

6.6.2 Test Procedure

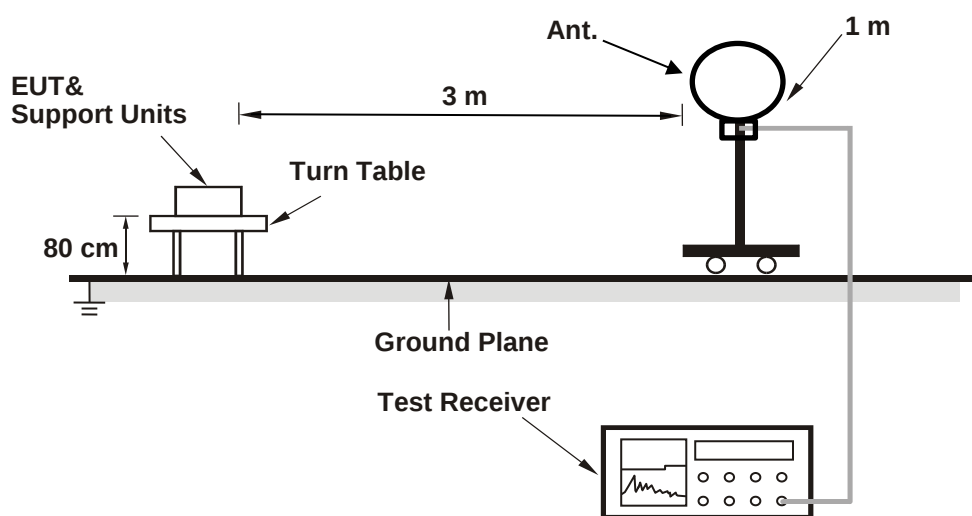
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

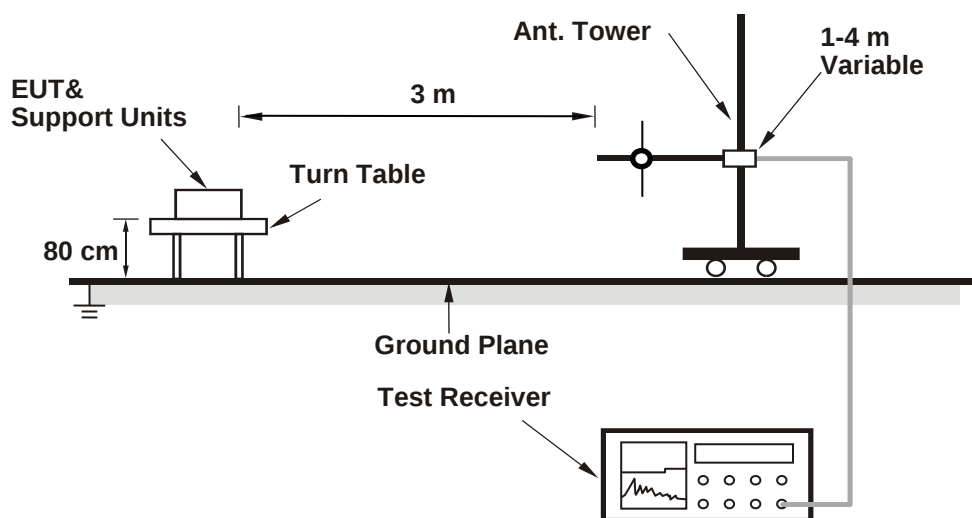
6.7 Unwanted Emissions below 1 GHz

6.7.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.7.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

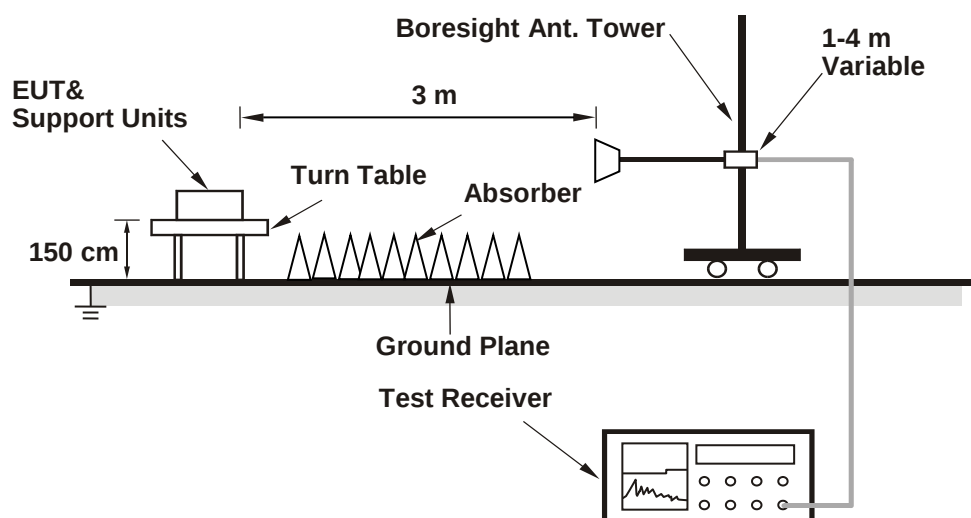
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the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

Notes:

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

6.8 Unwanted Emissions above 1 GHz

6.8.1 Test Setup



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

6.8.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	18.54	18.54
60	5300	18.54	18.53
64	5320	18.53	18.52
100	5500	18.54	18.50
116	5580	18.53	18.52
140	5700	18.54	18.53
144 (U-NII-2C)	5720	14.25	14.23
144 (U-NII-3)	5720	4.26	4.32

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	18.54	23.68 < 24
60	5300	18.53	23.67 < 24
64	5320	18.52	23.67 < 24
100	5500	18.50	23.67 < 24
116	5580	18.52	23.67 < 24
140	5700	18.53	23.67 < 24
144 (U-NII-2C)	5720	14.23	22.53 < 24

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

802.11ax (HE20)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.66	20.63
60	5300	20.62	20.64
64	5320	20.67	20.67
100	5500	20.62	20.67
116	5580	20.69	20.71
140	5700	20.68	20.66
144 (U-NII-2C)	5720	15.29	15.31
144 (U-NII-3)	5720	5.39	5.37

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.63	24.14 > 24
60	5300	20.62	24.14 > 24
64	5320	20.67	24.15 > 24
100	5500	20.62	24.14 > 24
116	5580	20.69	24.15 > 24
140	5700	20.66	24.15 > 24
144 (U-NII-2C)	5720	15.29	22.84 < 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	40.50	40.48
62	5310	40.51	40.51
102	5510	40.52	40.50
110	5550	40.47	40.51
134	5670	40.49	40.49
142 (U-NII-2C)	5710	35.27	35.26
142 (U-NII-3)	5710	5.25	5.24

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	40.48	27.07 > 24
62	5310	40.51	27.07 > 24
102	5510	40.50	27.07 > 24
110	5550	40.47	27.07 > 24
134	5670	40.49	27.07 > 24
142 (U-NII-2C)	5710	35.26	26.47 > 24

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

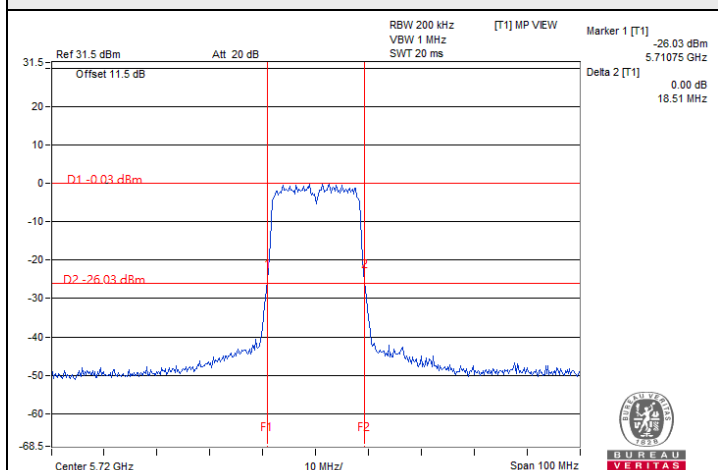
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	82.25	81.75
106	5530	81.90	81.92
122	5610	82.03	81.99
138 (U-NII-2C)	5690	75.85	75.80
138 (U-NII-3)	5690	6.24	6.18

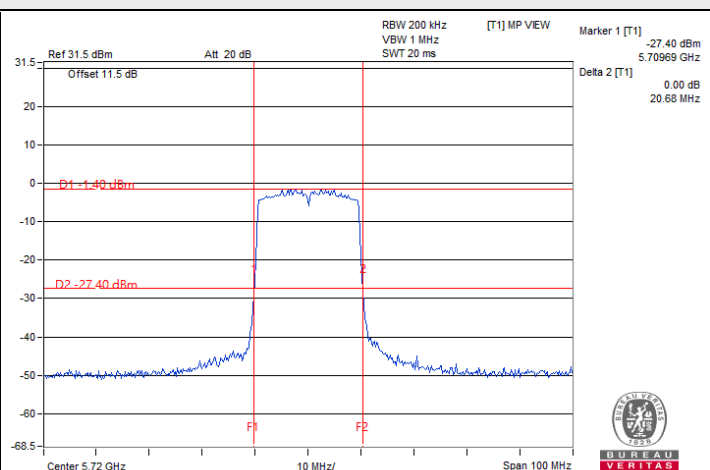
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	81.75	30.12 > 24
106	5530	81.90	30.13 > 24
122	5610	81.99	30.13 > 24
138 (U-NII-2C)	5690	75.80	29.79 > 24

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

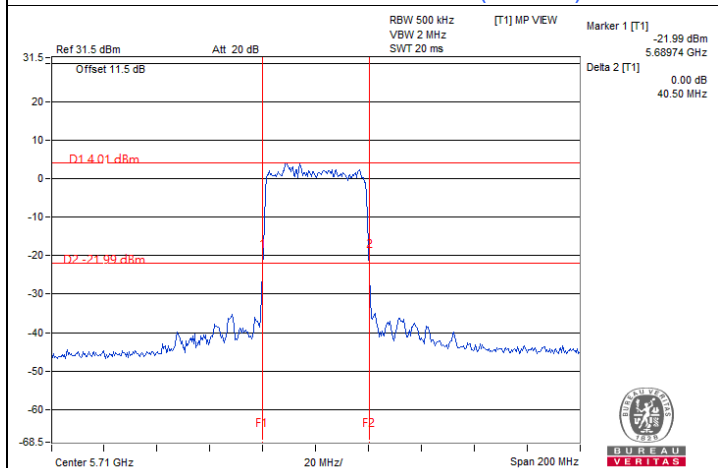
Spectrum Plot of Minimum Value



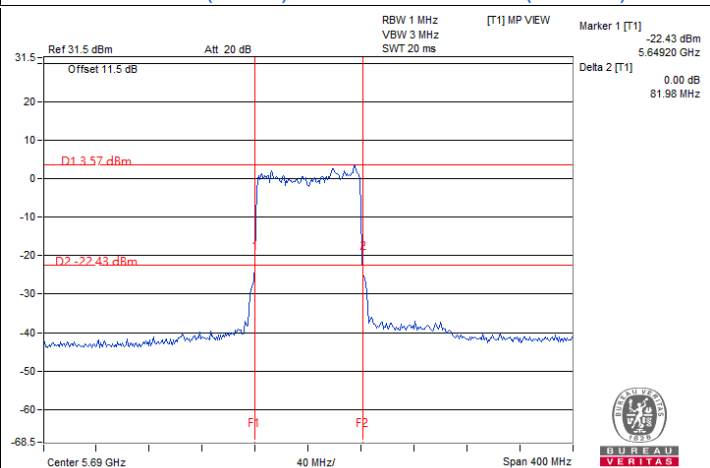
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	10.30	10.16	21.09	13.24	24	Pass
40	5200	10.21	10.11	20.752	13.17	24	Pass
48	5240	10.22	10.05	20.635	13.15	24	Pass
52	5260	10.49	10.29	21.885	13.40	23.68	Pass
60	5300	10.29	10.15	21.042	13.23	23.67	Pass
64	5320	10.28	10.16	21.041	13.23	23.67	Pass
100	5500	10.27	10.16	21.017	13.23	23.67	Pass
116	5580	10.24	10.09	20.778	13.18	23.67	Pass
140	5700	10.47	10.37	22.032	13.43	23.67	Pass
*144 (U-NII-2C)	5720	9.40	9.57	17.767	12.50	22.53	Pass
*144 (U-NII-3)	5720	3.04	3.28	4.142	6.17	30	Pass
149	5745	10.20	10.10	20.704	13.16	30	Pass
157	5785	10.29	10.15	21.042	13.23	30	Pass
165	5825	10.27	10.17	21.041	13.23	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	8.62	8.42	14.228	11.53	24	Pass
40	5200	8.52	8.37	13.983	11.46	24	Pass
48	5240	8.74	8.56	14.66	11.66	24	Pass
52	5260	8.85	8.65	15.002	11.76	24	Pass
60	5300	8.59	8.43	14.194	11.52	24	Pass
64	5320	8.35	8.17	13.401	11.27	24	Pass
100	5500	8.60	8.44	14.227	11.53	24	Pass
116	5580	8.38	8.26	13.585	11.33	24	Pass
140	5700	8.84	8.71	15.086	11.79	24	Pass
*144 (U-NII-2C)	5720	8.09	7.98	12.722	11.05	24	Pass
*144 (U-NII-3)	5720	2.18	1.96	3.222	5.08	30	Pass
149	5745	8.37	8.27	13.585	11.33	30	Pass
157	5785	8.68	8.48	14.426	11.59	30	Pass
165	5825	8.49	8.34	13.887	11.43	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	11.06	10.98	25.296	14.03	24	Pass
46	5230	10.96	10.86	24.664	13.92	24	Pass
54	5270	11.27	11.17	26.489	14.23	24	Pass
62	5310	11.21	11.01	25.831	14.12	24	Pass
102	5510	11.14	10.95	25.447	14.06	24	Pass
110	5550	11.04	10.92	25.065	13.99	24	Pass
134	5670	11.04	10.90	25.008	13.98	24	Pass
*142 (U-NII-2C)	5710	11.13	11.14	25.973	14.15	24	Pass
*142 (U-NII-3)	5710	0.31	0.35	2.158	3.34	30	Pass
151	5755	11.14	10.99	25.562	14.08	30	Pass
159	5795	11.04	10.84	24.84	13.95	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 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	11.10	10.93	25.27	14.03	24	Pass
58	5290	11.13	10.97	25.474	14.06	24	Pass
106	5530	11.17	10.99	25.652	14.09	24	Pass
122	5610	11.03	10.86	24.866	13.96	24	Pass
*138 (U-NII-2C)	5690	9.93	10.42	20.856	13.19	24	Pass
*138 (U-NII-3)	5690	-2.04	-1.50	1.3331	1.25	30	Pass
155	5775	11.11	10.85	25.074	13.99	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 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	8.73	8.56	14.642	11.66	24	Pass
40	5200	8.72	8.53	14.576	11.64	24	Pass
48	5240	8.85	8.74	15.155	11.81	24	Pass
52	5260	8.96	8.79	15.439	11.89	24	Pass
60	5300	8.69	8.57	14.591	11.64	24	Pass
64	5320	8.52	8.37	13.983	11.46	24	Pass
100	5500	8.74	8.54	14.627	11.65	24	Pass
116	5580	8.57	8.41	14.129	11.50	24	Pass
140	5700	8.96	8.85	15.544	11.92	24	Pass
*144 (U-NII-2C)	5720	8.12	8.22	13.124	11.18	22.84	Pass
*144 (U-NII-3)	5720	2.57	2.65	3.648	5.62	30	Pass
149	5745	8.56	8.41	14.112	11.50	30	Pass
157	5785	8.80	8.66	14.931	11.74	30	Pass
165	5825	8.66	8.51	14.441	11.60	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 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	11.22	11.11	26.156	14.18	24	Pass
46	5230	11.16	11.06	25.826	14.12	24	Pass
54	5270	11.47	11.32	27.58	14.41	24	Pass
62	5310	11.33	11.16	26.645	14.26	24	Pass
102	5510	11.27	11.10	26.279	14.20	24	Pass
110	5550	11.23	11.09	26.127	14.17	24	Pass
134	5670	11.21	11.10	26.095	14.17	24	Pass
*142 (U-NII-2C)	5710	10.88	10.64	23.834	13.77	24	Pass
*142 (U-NII-3)	5710	0.78	0.56	2.334	3.68	30	Pass
151	5755	11.25	11.10	26.218	14.19	30	Pass
159	5795	11.19	11.00	25.742	14.11	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.

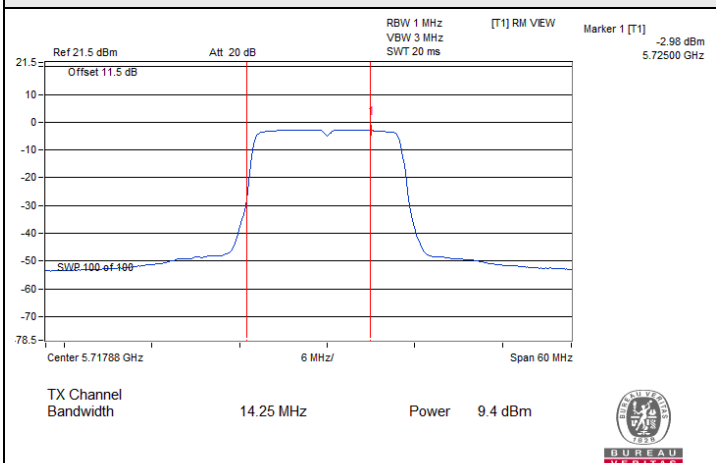
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	11.24	11.06	26.069	14.16	24	Pass
58	5290	11.28	11.14	26.429	14.22	24	Pass
106	5530	11.29	11.18	26.581	14.25	24	Pass
122	5610	11.21	11.02	25.86	14.13	24	Pass
*138 (U-NII-2C)	5690	10.92	9.86	22.042	13.43	24	Pass
*138 (U-NII-3)	5690	-0.42	-1.50	1.6158	2.08	30	Pass
155	5775	11.22	11.03	25.92	14.14	30	Pass

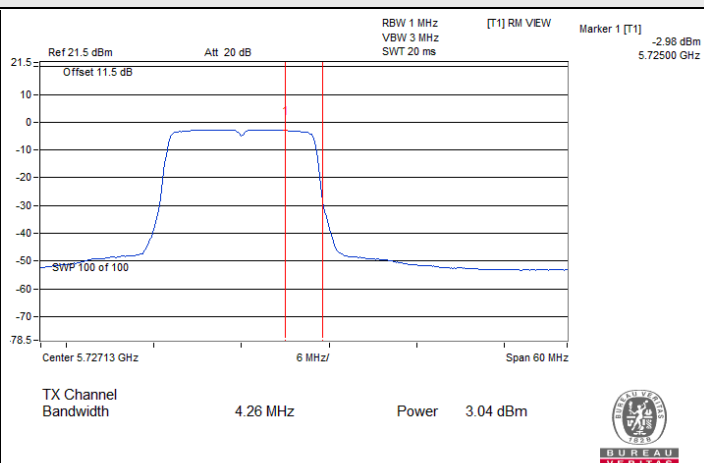
Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 3.73 dBi < 6 dBi, so the output power limit shall not be reduced.

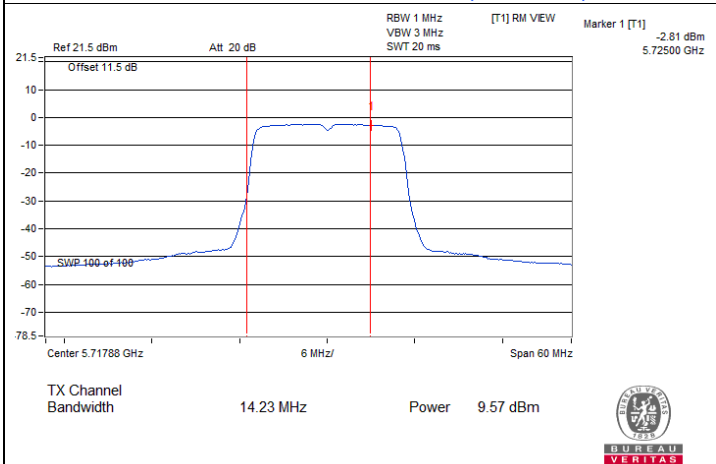
Spectrum Plot for channel straddling



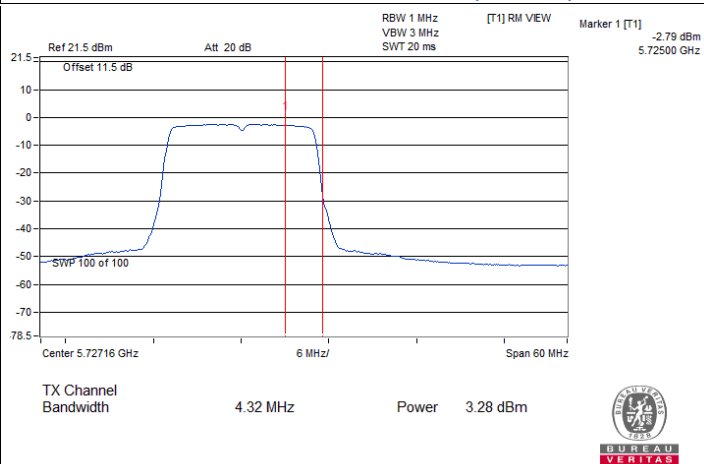
802.11a / Chain 0 : CH 144 (U-NII-2C)



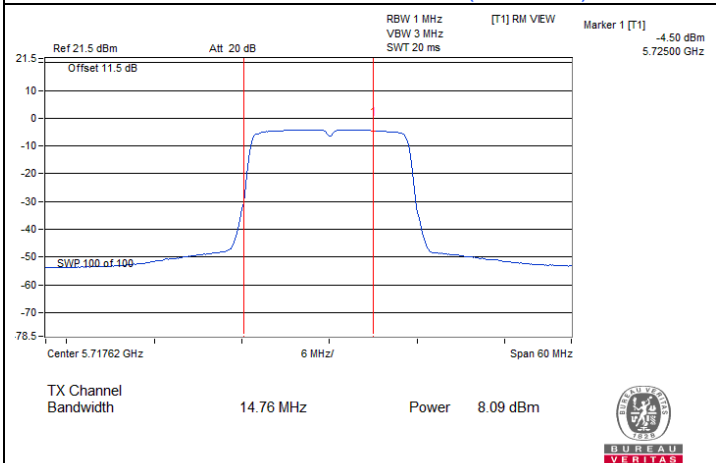
802.11a / Chain 0 : CH 144 (U-NII-3)



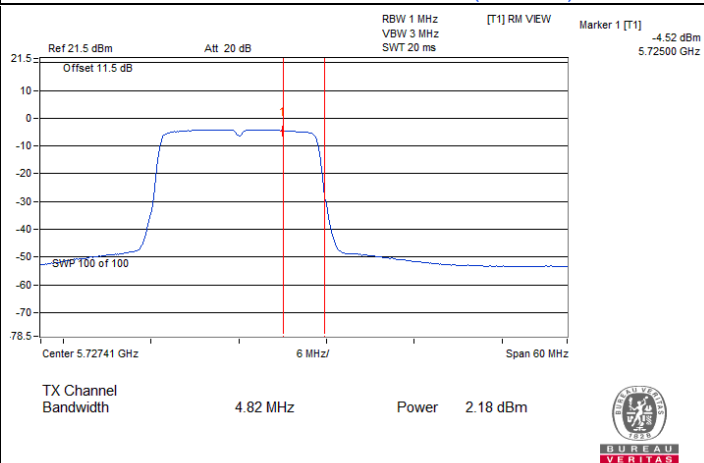
802.11a / Chain 1 : CH 144 (U-NII-2C)



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

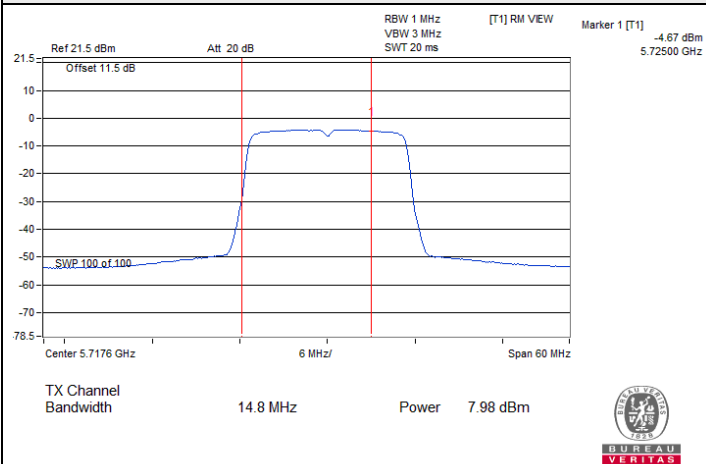


802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-2C)

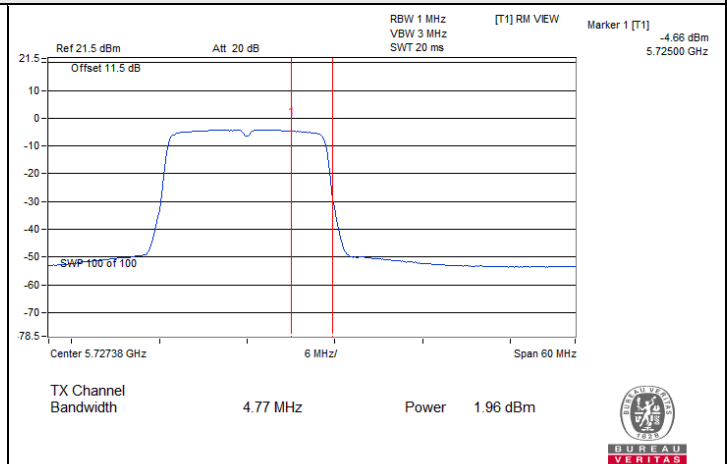


802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-3)

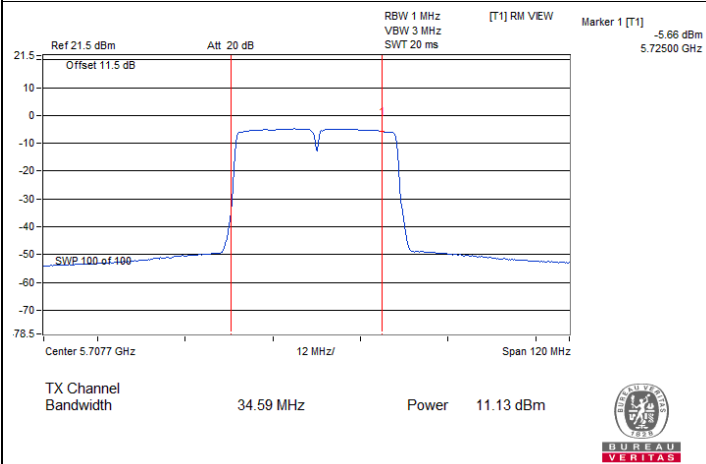
Spectrum Plot for channel straddling



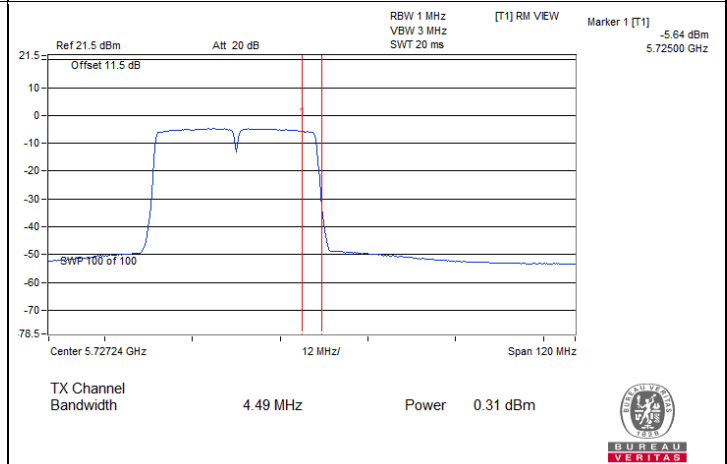
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-2C)



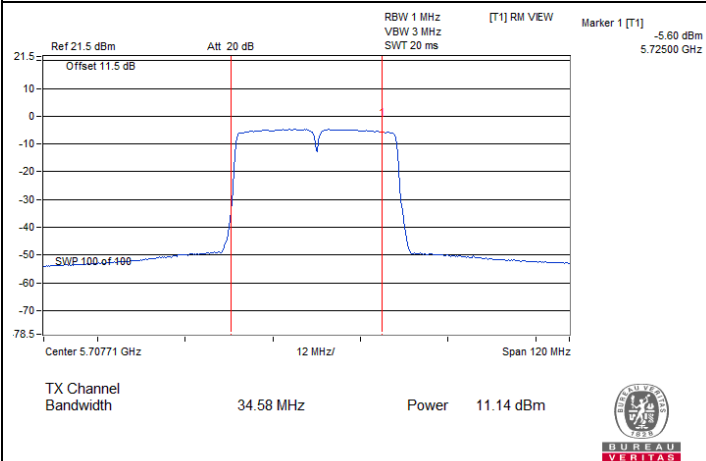
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-3)



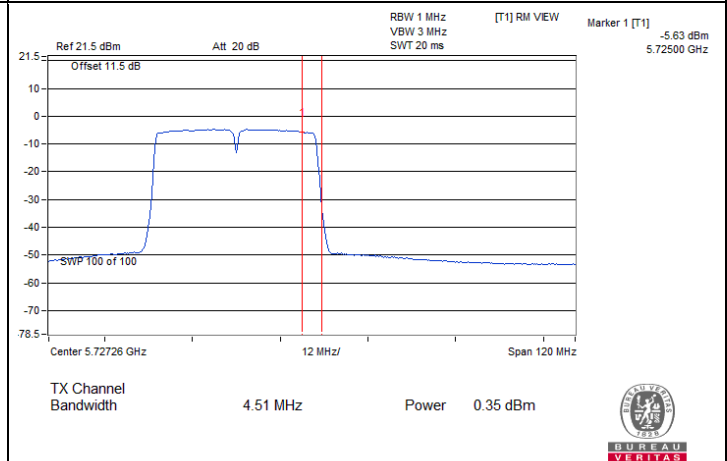
802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-2C)



802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-3)

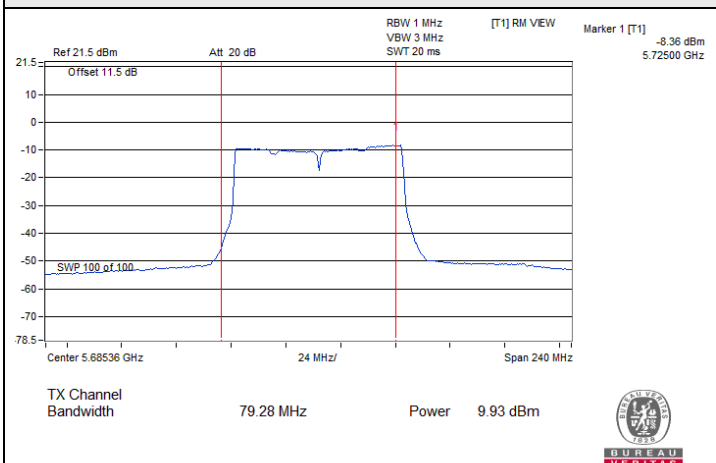


802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-2C)

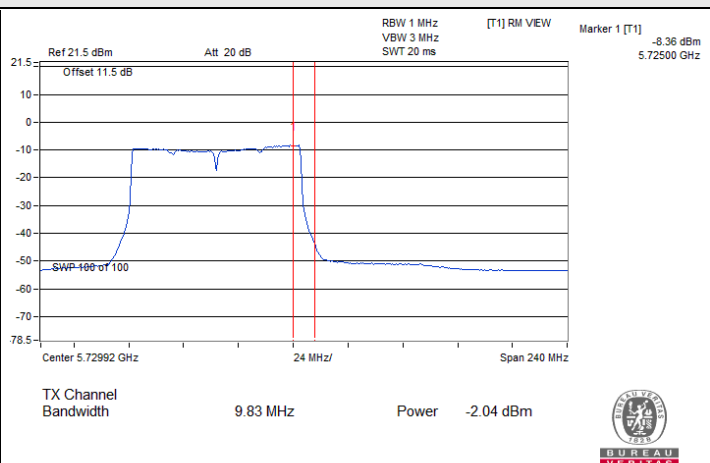


802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-3)

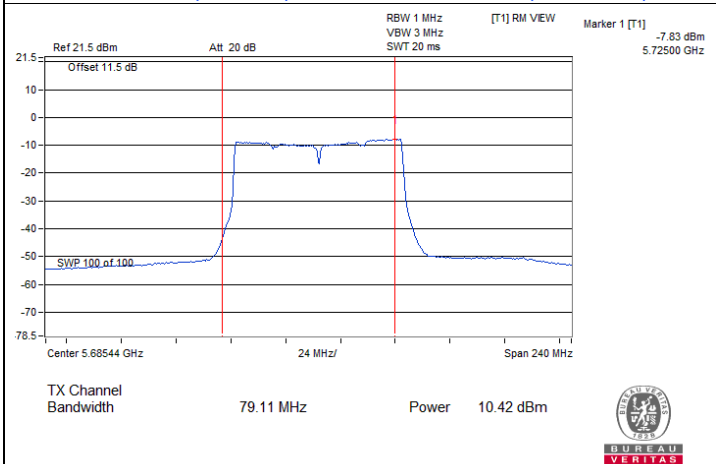
Spectrum Plot for channel straddling



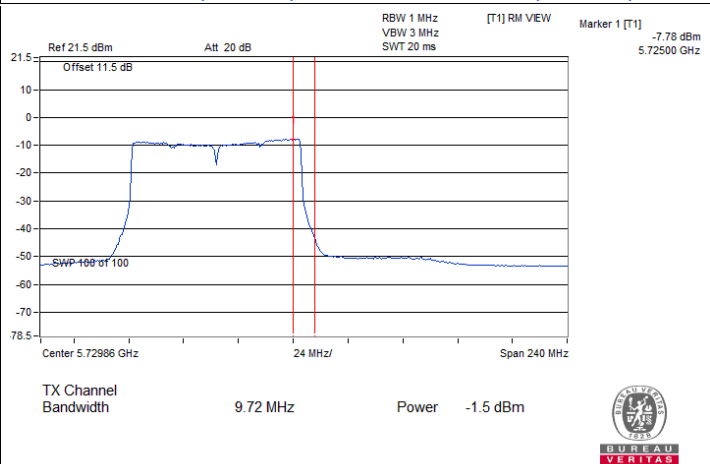
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-2C)



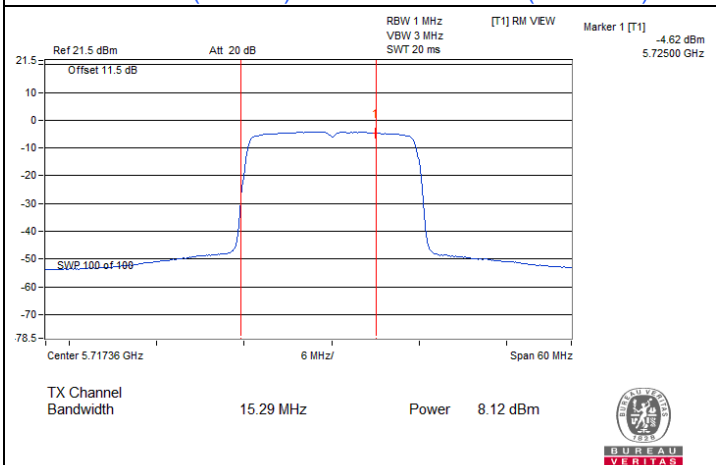
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-3)



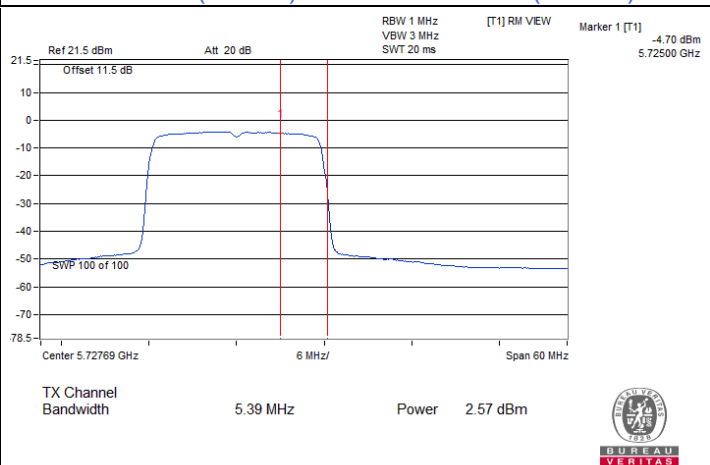
802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-2C)



802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-3)

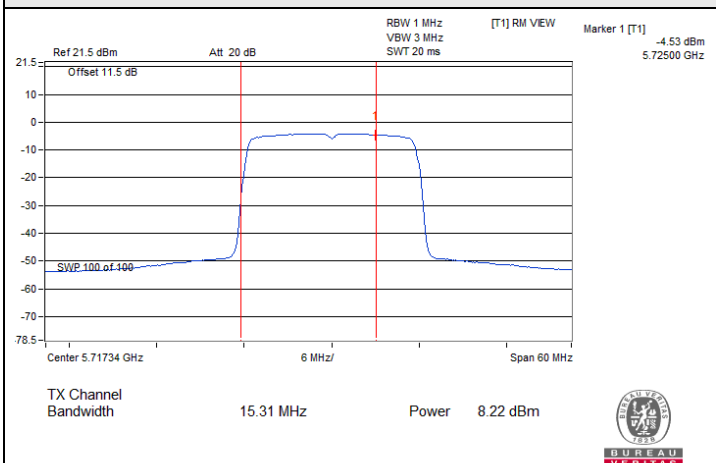


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)

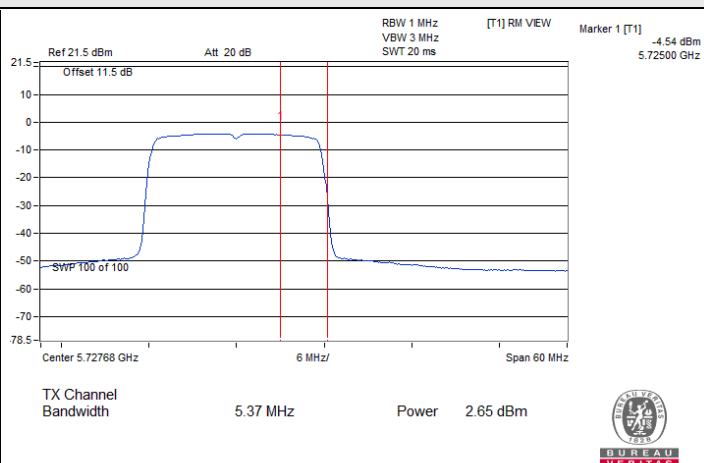


802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)

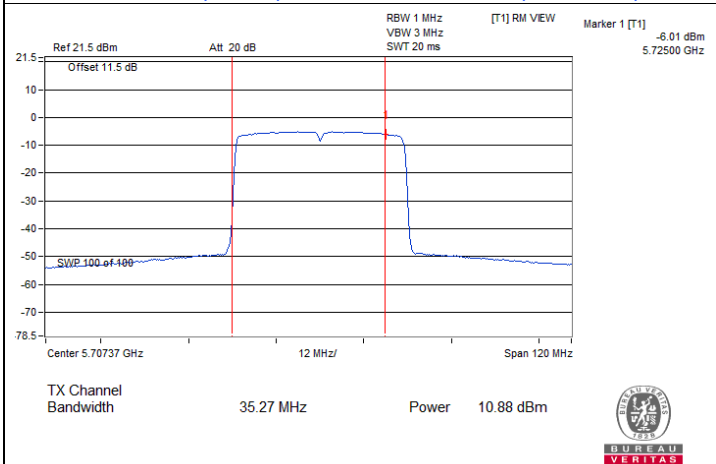
Spectrum Plot for channel straddling



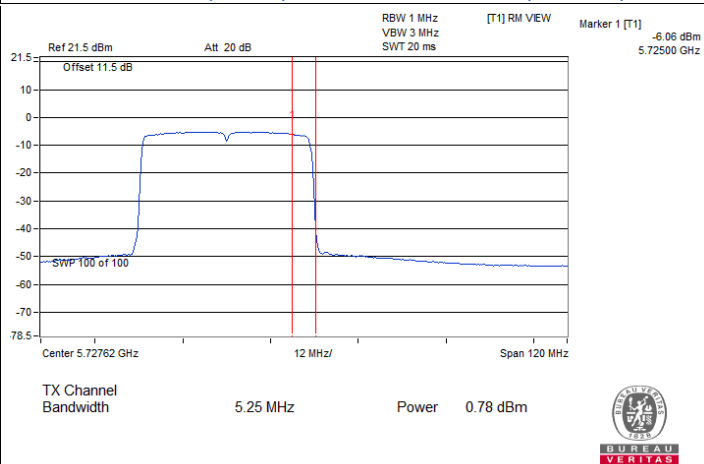
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)



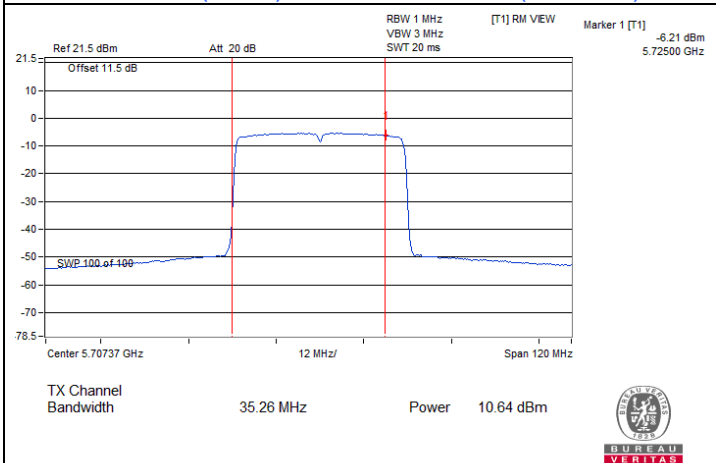
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



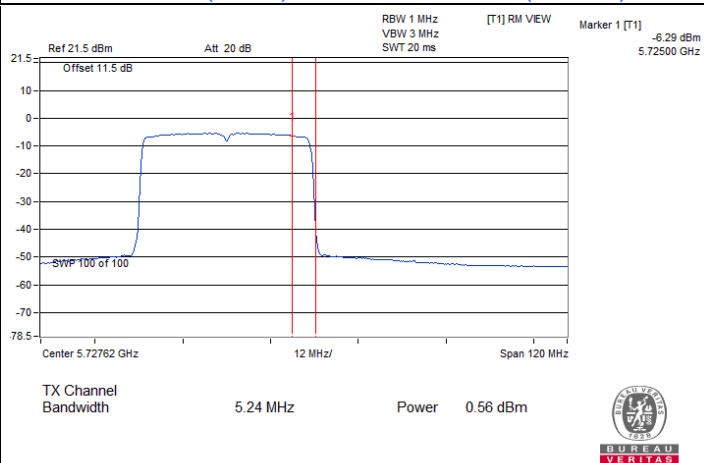
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



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

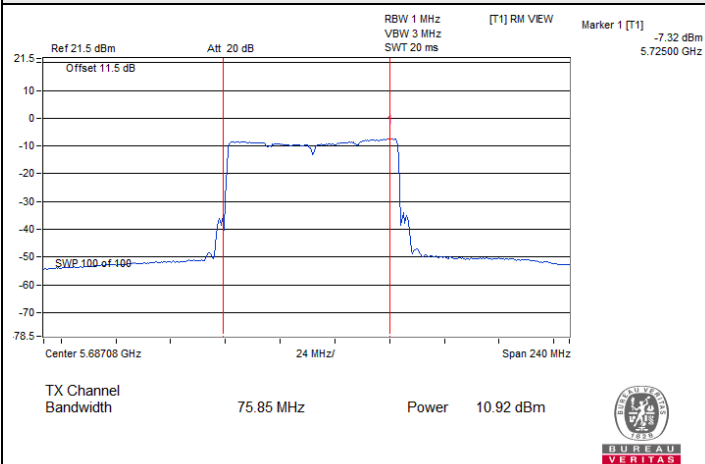


802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)

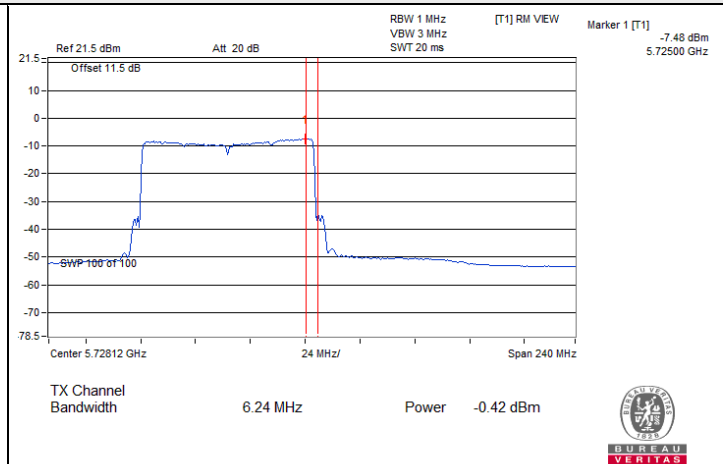


802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)

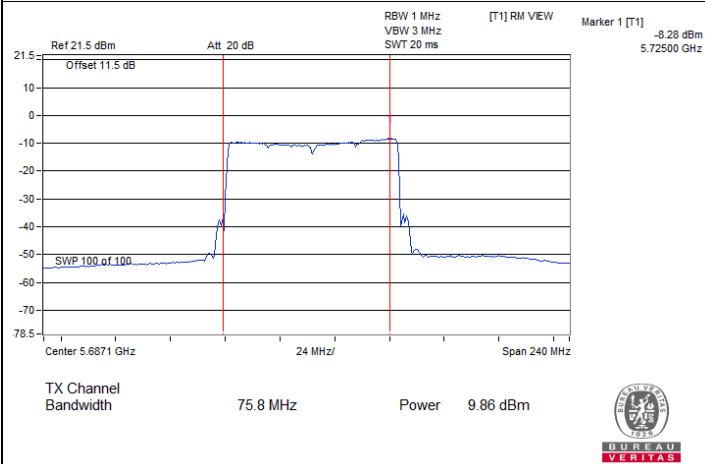
Spectrum Plot for channel straddling



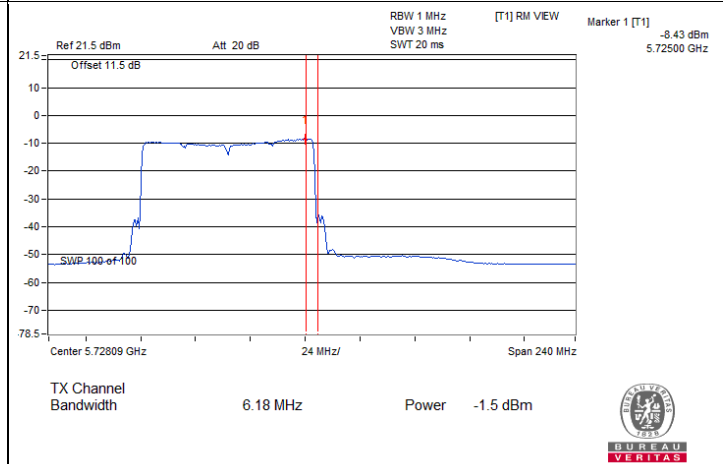
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-3.71	-3.43	-0.56	10.26	Pass
40	5200	-3.79	-3.54	-0.65	10.26	Pass
48	5240	-3.68	-3.53	-0.59	10.26	Pass
52	5260	-3.71	-3.49	-0.59	10.26	Pass
60	5300	-3.45	-3.24	-0.33	10.26	Pass
64	5320	-3.67	-3.33	-0.49	10.26	Pass
100	5500	-3.13	-2.94	-0.02	10.26	Pass
116	5580	-2.77	-2.61	0.32	10.26	Pass
140	5700	-2.71	-2.60	0.36	10.26	Pass
144 (U-NII-2C)	5720	-2.72	-2.55	0.38	10.26	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-1, the directional gain is 6.74 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
36	5180	-5.87	-5.53	-2.69	10.26	Pass
40	5200	-6.06	-5.60	-2.81	10.26	Pass
48	5240	-5.94	-5.59	-2.75	10.26	Pass
52	5260	-5.91	-5.56	-2.72	10.26	Pass
60	5300	-5.70	-5.18	-2.42	10.26	Pass
64	5320	-5.73	-5.30	-2.50	10.26	Pass
100	5500	-5.23	-5.01	-2.11	10.26	Pass
116	5580	-4.89	-4.69	-1.78	10.26	Pass
140	5700	-4.83	-4.63	-1.72	10.26	Pass
144 (U-NII-2C)	5720	-4.29	-4.64	-1.45	10.26	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 = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-1, the directional gain is 6.74 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
38	5190	-6.12	-6.21	-3.15	10.26	Pass
46	5230	-6.20	-6.14	-3.16	10.26	Pass
54	5270	-6.31	-6.19	-3.24	10.26	Pass
62	5310	-6.06	-5.94	-2.99	10.26	Pass
102	5510	-5.61	-6.34	-2.95	10.26	Pass
110	5550	-5.64	-6.36	-2.97	10.26	Pass
134	5670	-5.45	-6.20	-2.80	10.26	Pass
142 (U-NII-2C)	5710	-5.25	-5.48	-2.35	10.26	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 6.74 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
- For U-NII-2A, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
- For U-NII-2C, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1			
42	5210	-9.12	-9.16	-6.13	10.26	Pass
58	5290	-8.51	-8.57	-5.53	10.26	Pass
106	5530	-7.48	-8.49	-4.95	10.26	Pass
122	5610	-7.15	-8.14	-4.61	10.26	Pass
138 (U-NII-2C)	5690	-7.53	-8.54	-5.00	10.26	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-1, the directional gain is 6.74 dBi > 6dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
- For U-NII-2A, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.
- For U-NII-2C, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.74-6) = 10.26 dBm/MHz.

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	144 (U-NII-3)	5720	-11.38	-9.16	3.01	-6.15	29.26	Pass
	149	5745	-10.02	-7.8	3.01	-4.79	29.26	Pass
	157	5785	-10.05	-7.83	3.01	-4.82	29.26	Pass
	165	5825	-9.95	-7.73	3.01	-4.72	29.26	Pass
Chain 1	144 (U-NII-3)	5720	-11.2	-8.98	3.01	-5.97	29.26	Pass
	149	5745	-10.97	-8.75	3.01	-5.74	29.26	Pass
	157	5785	-10.86	-8.64	3.01	-5.63	29.26	Pass
	165	5825	-11.06	-8.84	3.01	-5.83	29.26	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.74-6) = 29.26 dBm/500kHz.

802.11ax (HE20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	144 (U-NII-3)	5720	-13.76	-11.54	3.01	-8.53	29.26	Pass
	149	5745	-13.4	-11.18	3.01	-8.17	29.26	Pass
	157	5785	-13.28	-11.06	3.01	-8.05	29.26	Pass
	165	5825	-13.48	-11.26	3.01	-8.25	29.26	Pass
Chain 1	144 (U-NII-3)	5720	-13.53	-11.31	3.01	-8.3	29.26	Pass
	149	5745	-14.03	-11.81	3.01	-8.8	29.26	Pass
	157	5785	-14.12	-11.9	3.01	-8.89	29.26	Pass
	165	5825	-14.28	-12.06	3.01	-9.05	29.26	Pass

Notes:

1. Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.74-6) = 29.26 dBm/500kHz.

802.11ax (HE40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	142 (U-NII-3)	5710	-15.24	-13.02	3.01	-10.01	29.26	Pass
	151	5755	-14.24	-12.02	3.01	-9.01	29.26	Pass
	159	5795	-14.34	-12.12	3.01	-9.11	29.26	Pass
Chain 1	142 (U-NII-3)	5710	-15.43	-13.21	3.01	-10.2	29.26	Pass
	151	5755	-14.54	-12.32	3.01	-9.31	29.26	Pass
	159	5795	-14.72	-12.5	3.01	-9.49	29.26	Pass

Notes:

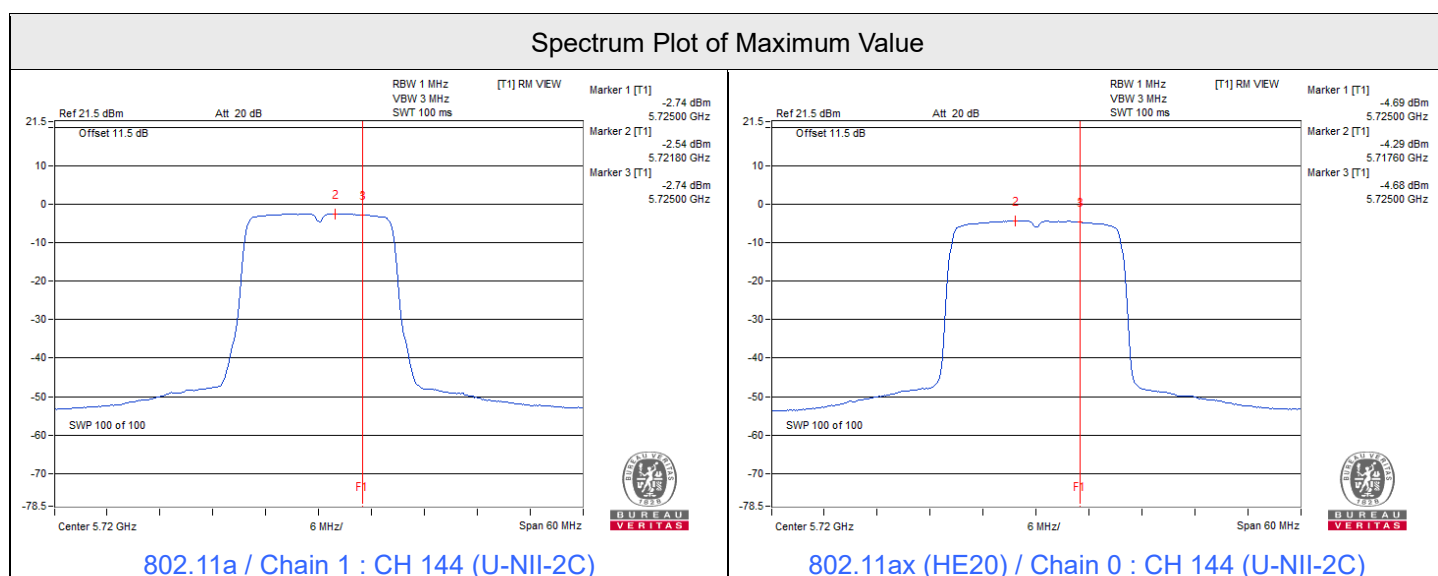
- Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-3, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.74-6) = 29.26 dBm/500kHz.

802.11ax (HE80)

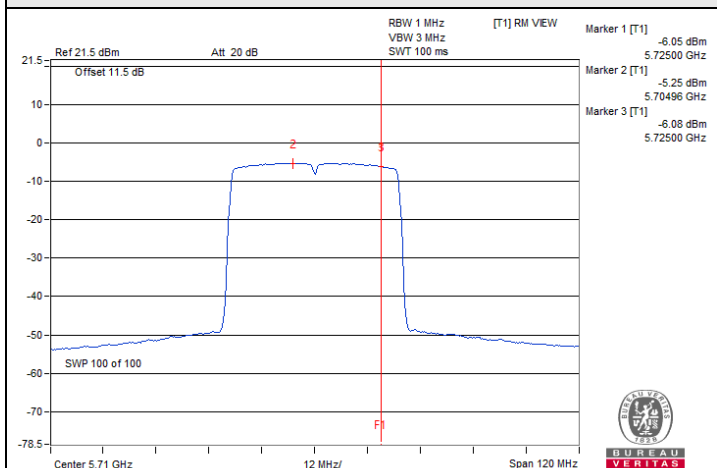
TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
Chain 0	138 (U-NII-3)	5690	-16.42	-14.2	3.01	-11.19	29.26	Pass
	155	5775	-16.39	-14.17	3.01	-11.16	29.26	Pass
Chain 1	138 (U-NII-3)	5690	-17.34	-15.12	3.01	-12.11	29.26	Pass
	155	5775	-17.51	-15.29	3.01	-12.28	29.26	Pass

Notes:

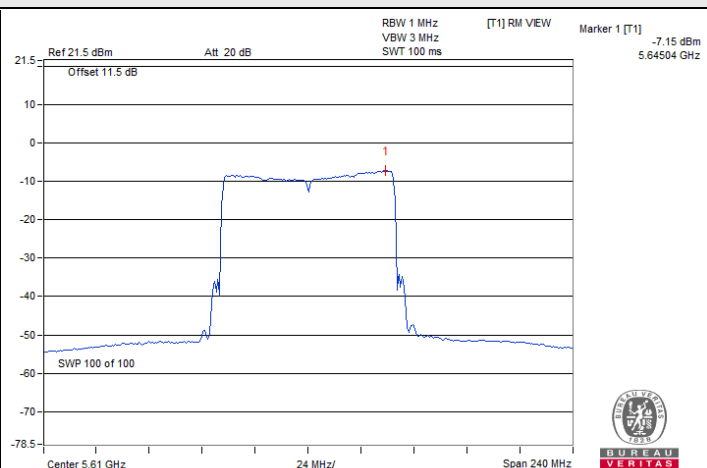
- Method E) 2) c) Measure and add 10 log(NANT) dB of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- For U-NII-3, the directional gain is 6.74 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.74-6) = 29.26 dBm/500kHz.



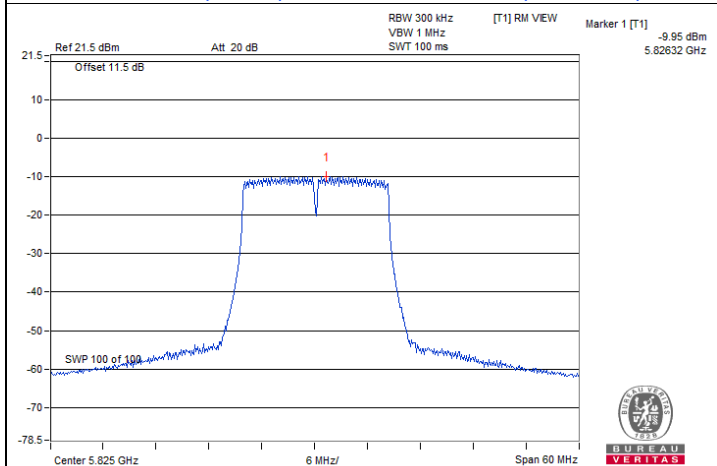
Spectrum Plot of Maximum Value



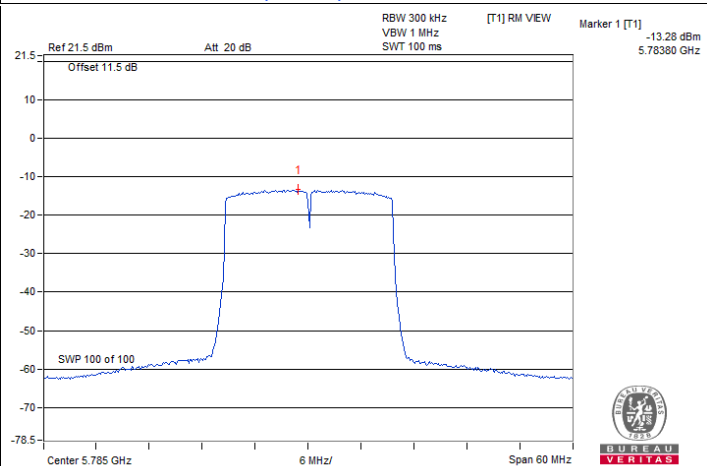
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



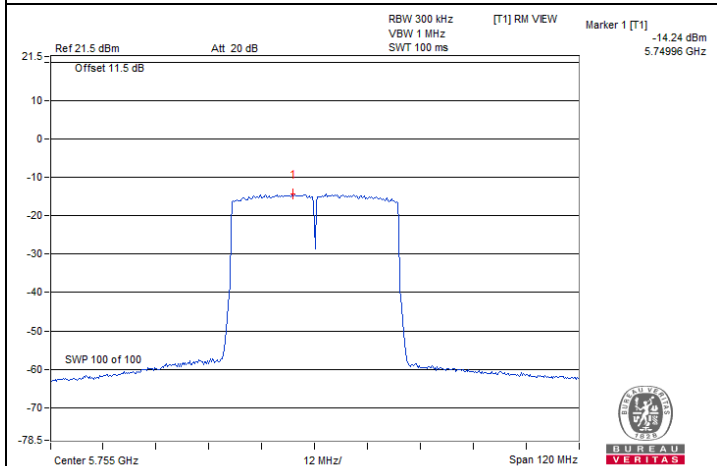
802.11ax (HE80) / Chain 0 : CH 122



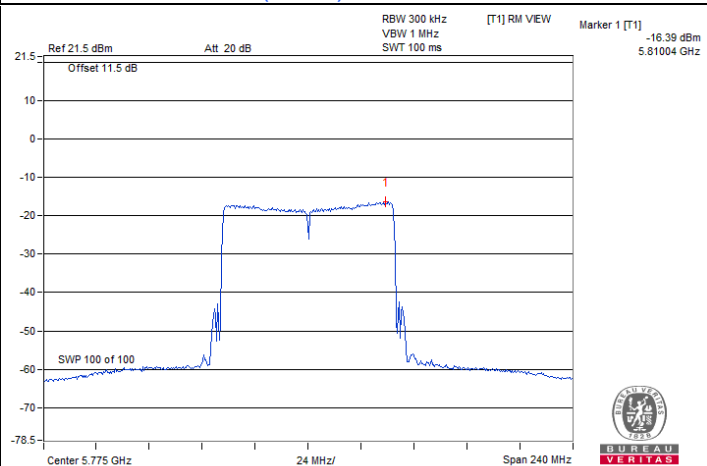
802.11a / Chain 0 : CH 165



802.11ax (HE20) / Chain 0 : CH 157



802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	3.19	3.26	0.5	Pass
149	5745	16.38	16.36	0.5	Pass
157	5785	16.38	16.37	0.5	Pass
165	5825	16.38	16.37	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.27	4.25	0.5	Pass
149	5745	18.72	18.70	0.5	Pass
157	5785	18.73	18.68	0.5	Pass
165	5825	18.72	18.71	0.5	Pass

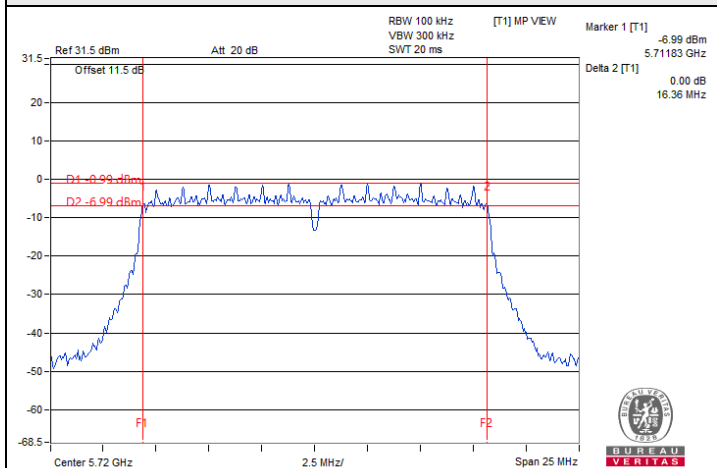
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	4.00	3.79	0.5	Pass
151	5755	37.75	37.74	0.5	Pass
159	5795	37.74	37.76	0.5	Pass

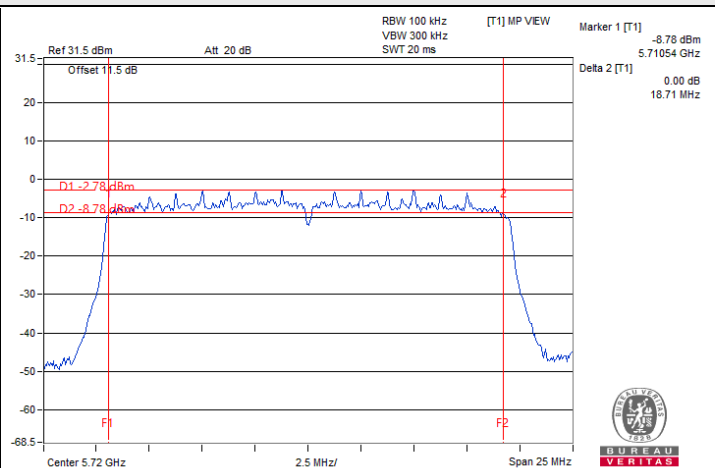
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	3.97	3.94	0.5	Pass
155	5775	77.78	77.74	0.5	Pass

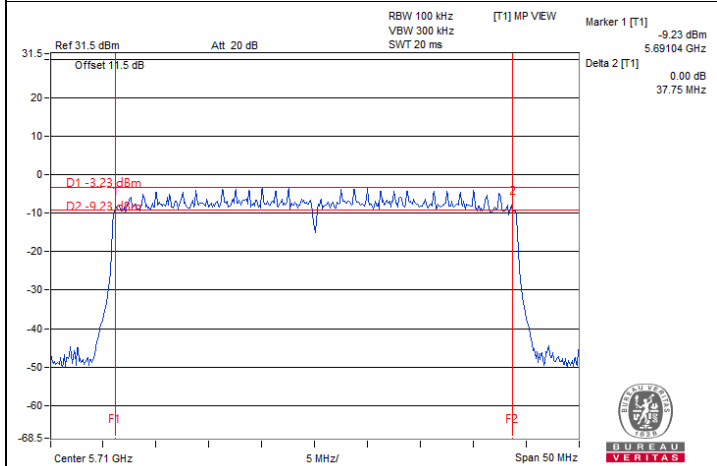
Spectrum Plot of Minimum Value



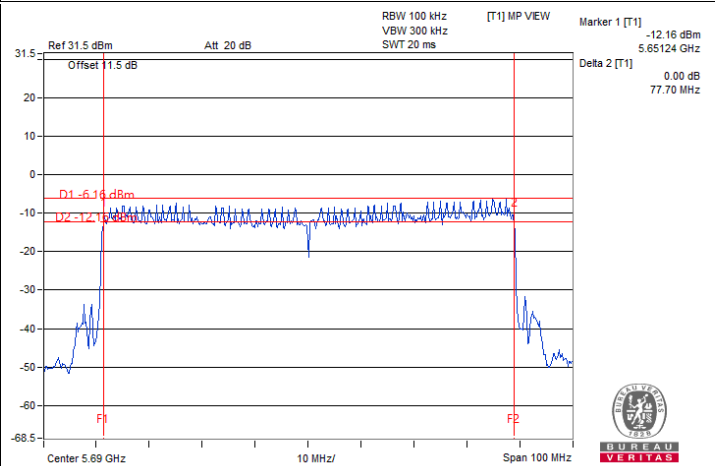
802.11a / Chain 0 : CH 144 (U-NII-3)



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



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



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

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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 76% RH	Tested By:	Waydi Tuan
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.44	16.32
40	5200	16.32	16.32
48	5240	16.32	16.32
52	5260	16.32	16.32
60	5300	16.32	16.32
64	5320	16.32	16.32
100	5500	16.32	16.32
116	5580	16.32	16.32
140	5700	16.32	16.32
144 (U-NII-2C)	5720	13.16	13.16
144 (U-NII-3)	5720	3.16	3.28
149	5745	16.44	16.32
157	5785	16.32	16.32
165	5825	16.44	16.32

802.11ax (HE20)

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

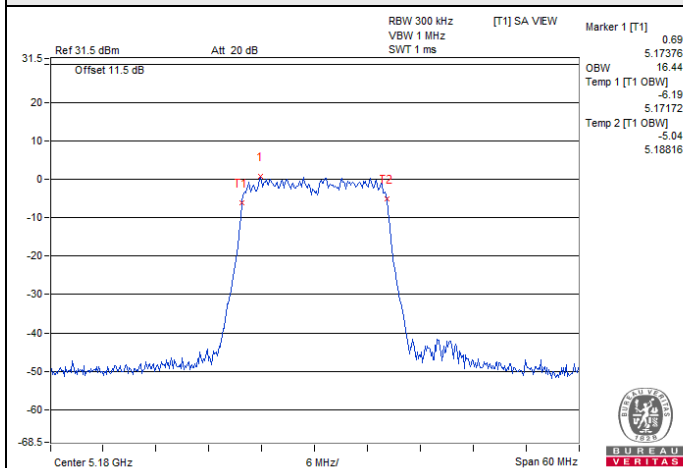
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.92	37.92
46	5230	37.92	37.92
54	5270	37.92	37.92
62	5310	37.68	37.92
102	5510	37.92	37.68
110	5550	37.68	37.92
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

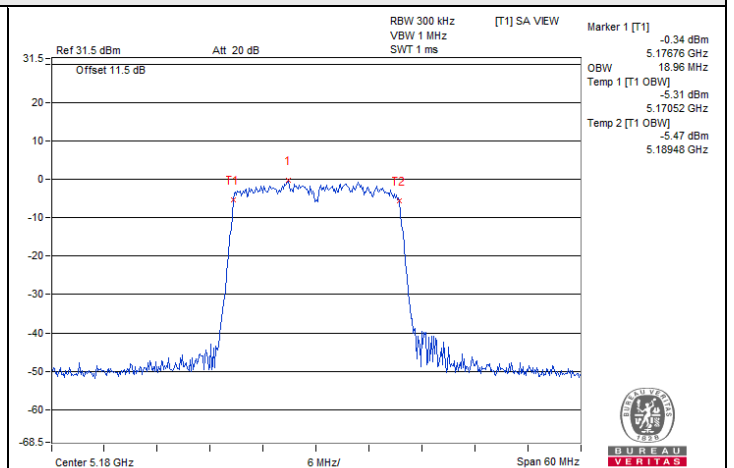
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.76
58	5290	77.28	77.76
106	5530	77.76	77.76
122	5610	77.76	77.76
138 (U-NII-2C)	5690	73.40	73.88
138 (U-NII-3)	5690	3.88	3.88
155	5775	77.76	77.76

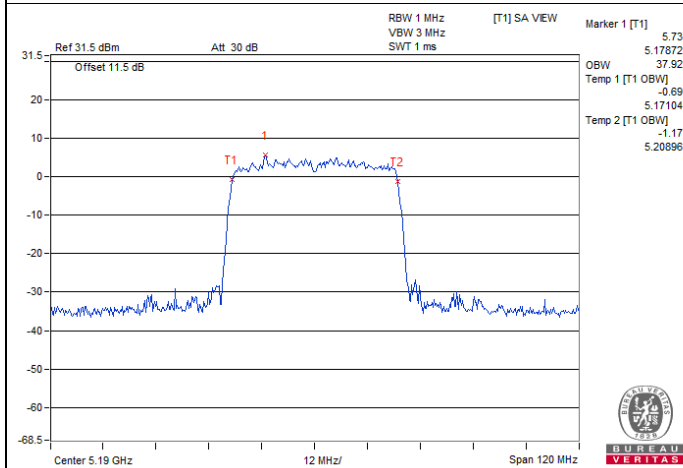
Spectrum Plot of Maximum Value



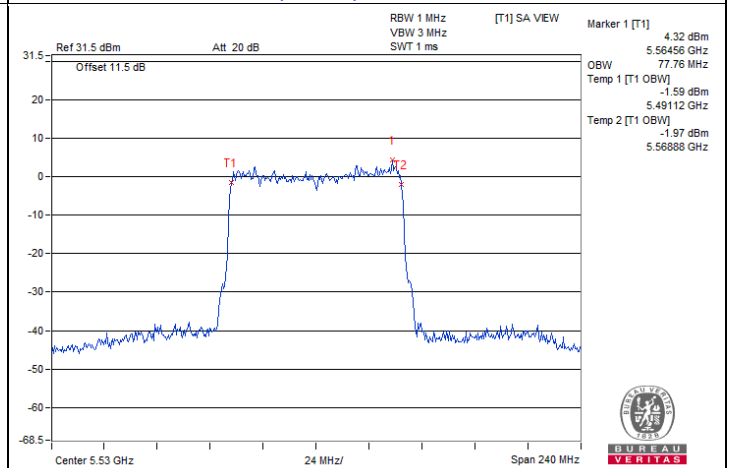
802.11a / Chain 0 : CH 36



802.11ax (HE20) / Chain 0 : CH 36

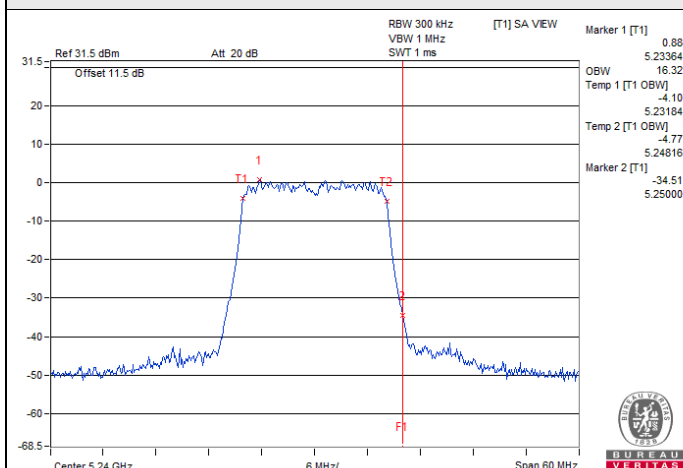


802.11ax (HE40) / Chain 0 : CH 38

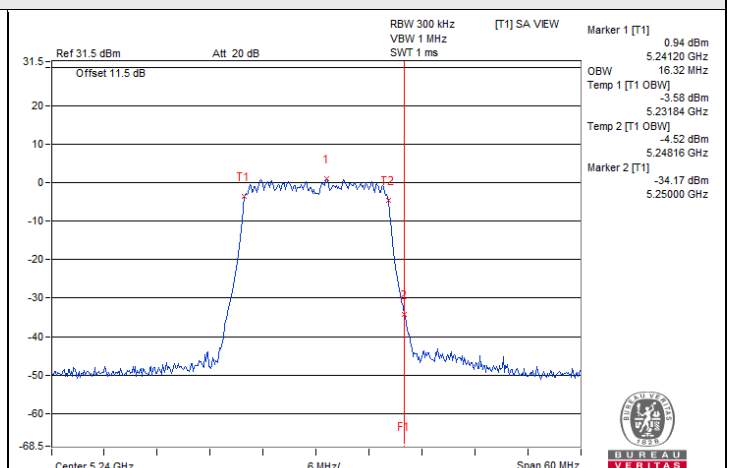


802.11ax (HE80) / Chain 0 : CH 106

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

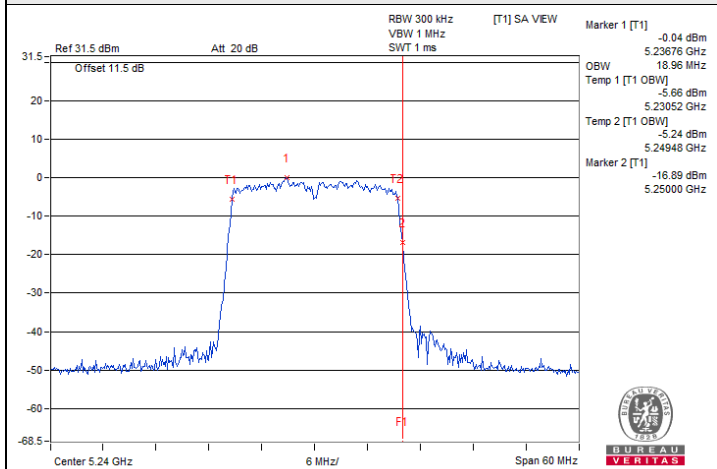


802.11a / Chain 0 : CH 48

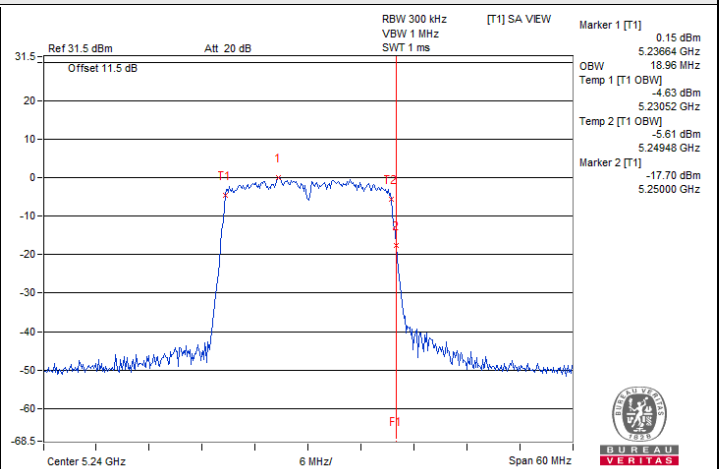


802.11a / Chain 1 : CH 48

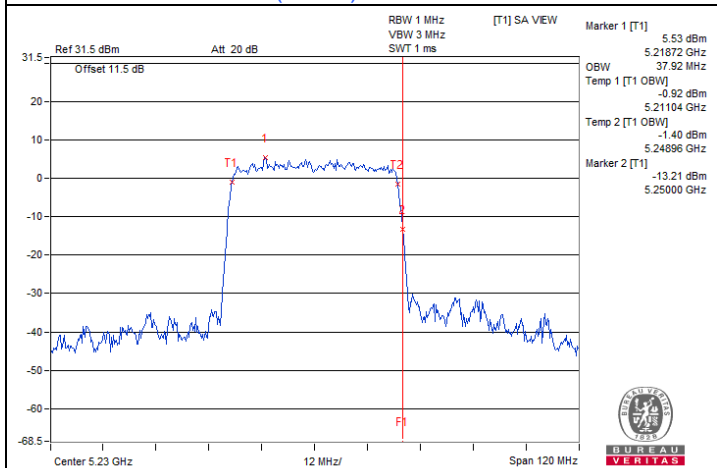
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A)



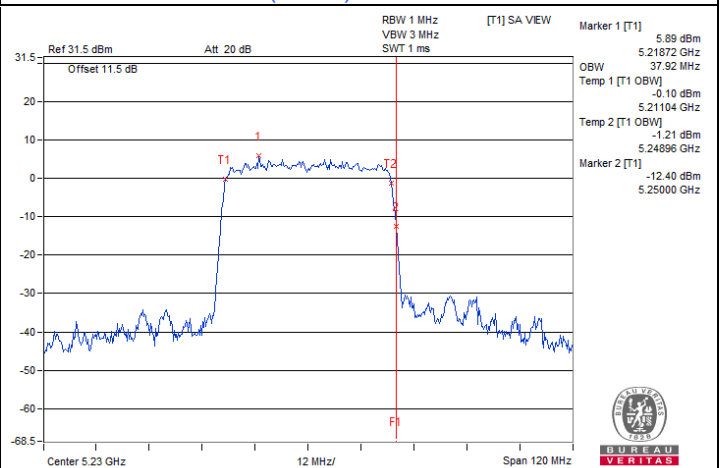
802.11ax (HE20) / Chain 0 : CH 48



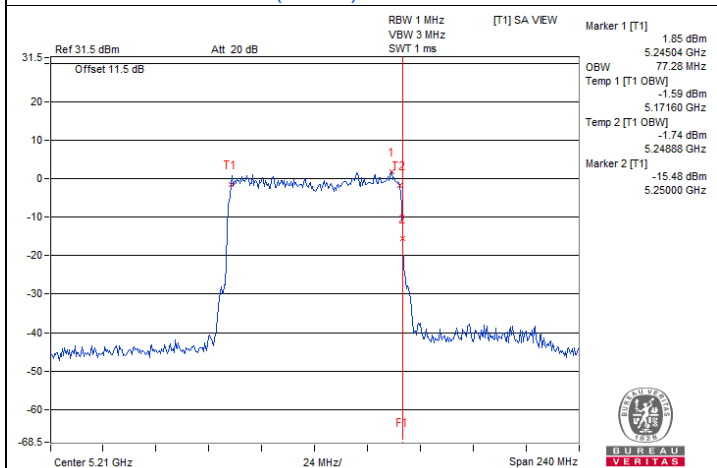
802.11ax (HE20) / Chain 1 : CH 48



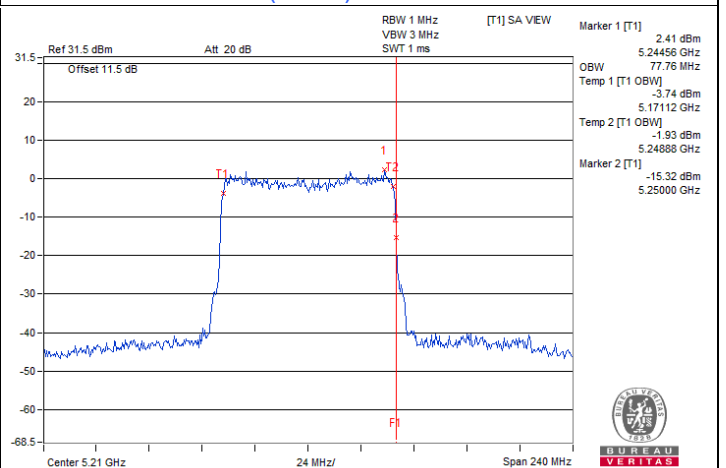
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46

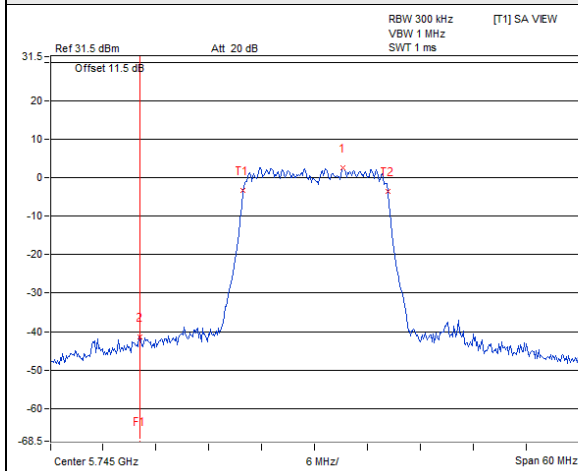


802.11ax (HE80) / Chain 0 : CH 42

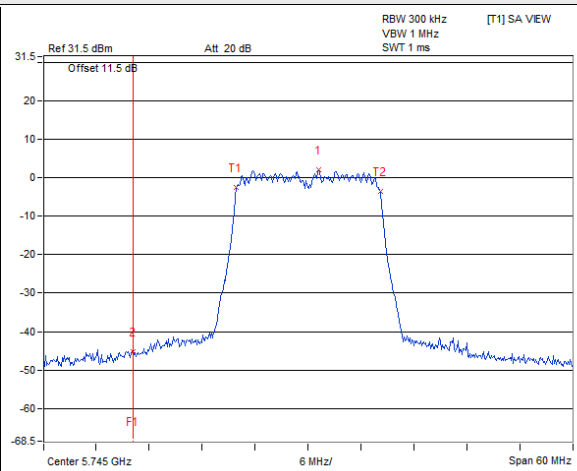


802.11ax (HE80) / Chain 1 : CH 42

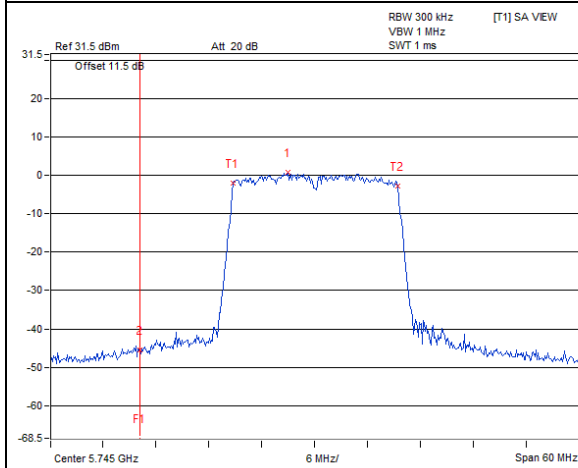
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C)



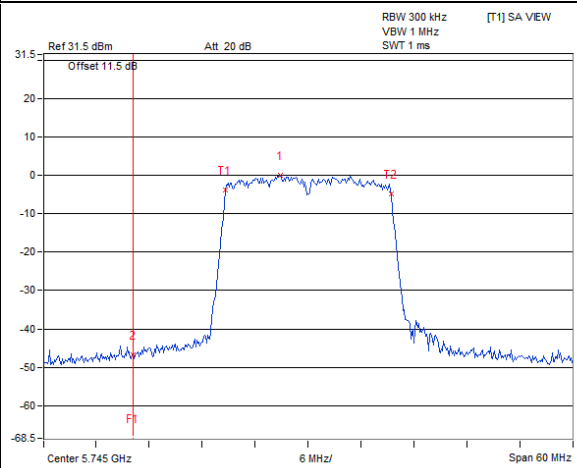
802.11a / Chain 0 : CH 149



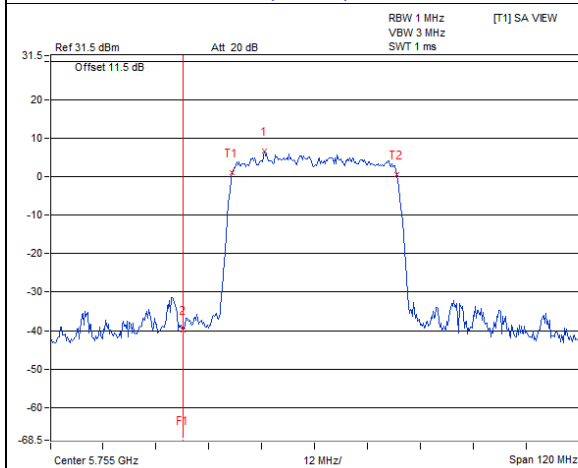
802.11a / Chain 1 : CH 149



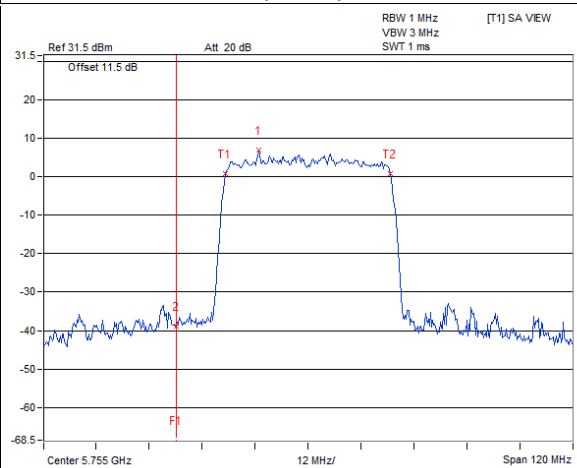
802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE20) / Chain 1 : CH 149

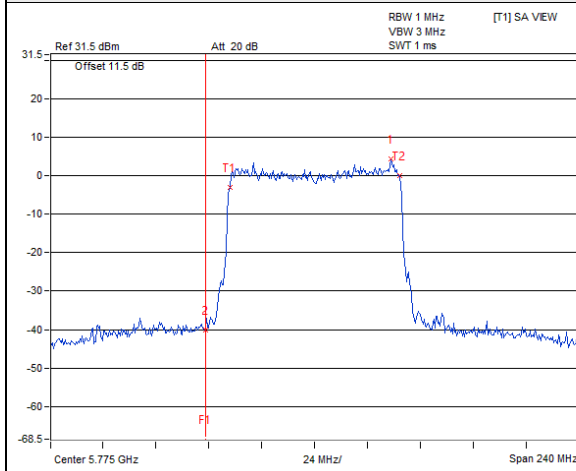


802.11ax (HE40) / Chain 0 : CH 151

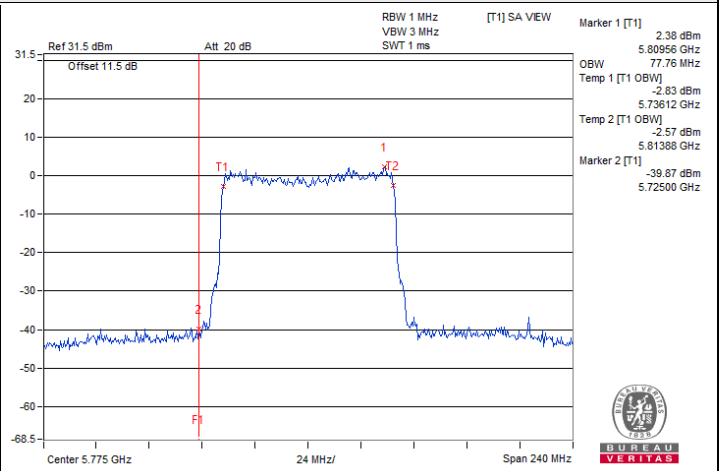


802.11ax (HE40) / Chain 1 : CH 151

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



802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

7.6 AC Power Conducted Emissions

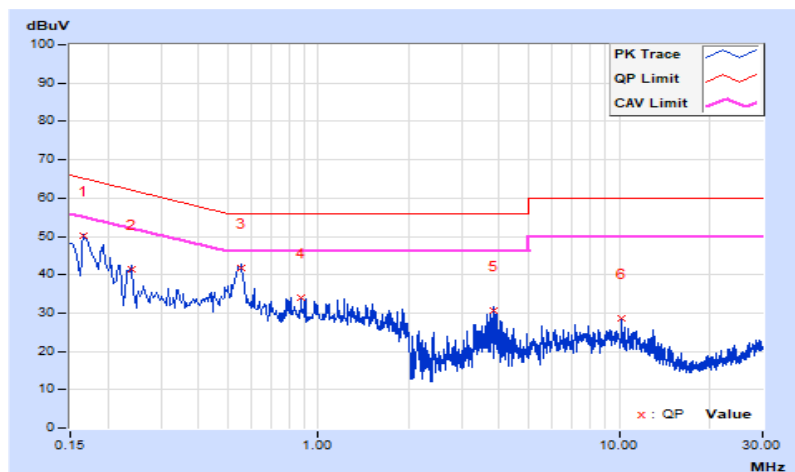
Mode A

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 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	Jed Wu		

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	0.16564	10.10	40.11	18.65	50.21	28.75	65.18	55.18	-14.97	-26.43
2	0.23962	10.12	31.27	18.47	41.39	28.59	62.11	52.11	-20.72	-23.52
3	0.55389	10.16	31.63	22.39	41.79	32.55	56.00	46.00	-14.21	-13.45
4	0.87546	10.19	23.70	13.48	33.89	23.67	56.00	46.00	-22.11	-22.33
5	3.80688	10.51	20.16	7.34	30.67	17.85	56.00	46.00	-25.33	-28.15
6	10.18990	11.38	17.37	9.53	28.75	20.91	60.00	50.00	-31.25	-29.09

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

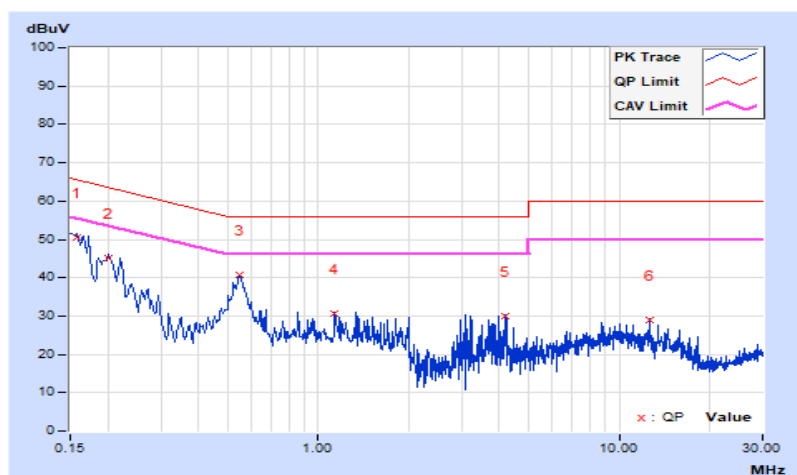


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

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	0.15760	10.35	40.29	16.40	50.64	26.75	65.59	55.59	-14.95	-28.84
2	0.20084	10.36	34.72	13.92	45.08	24.28	63.58	53.58	-18.50	-29.30
3	0.54520	10.40	30.20	19.88	40.60	30.28	56.00	46.00	-15.40	-15.72
4	1.13749	10.45	20.27	10.25	30.72	20.70	56.00	46.00	-25.28	-25.30
5	4.17843	10.79	19.15	8.41	29.94	19.20	56.00	46.00	-26.06	-26.80
6	12.66947	12.10	16.82	9.34	28.92	21.44	60.00	50.00	-31.08	-28.56

Remarks:

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



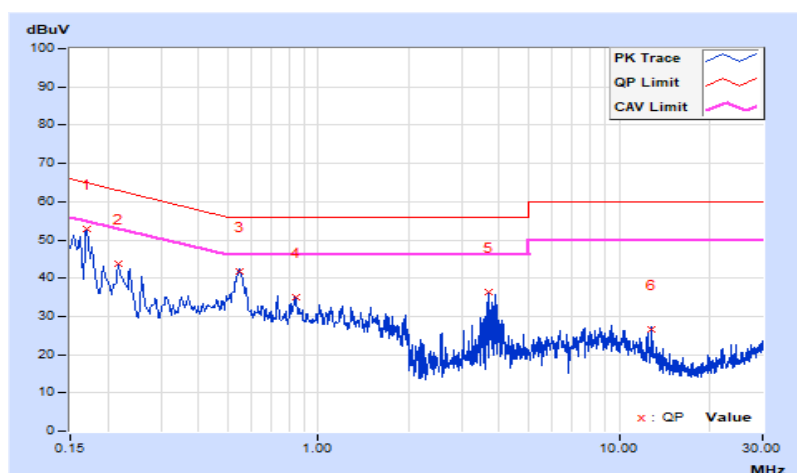
Mode B

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 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	Jed Wu		

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	0.16956	10.10	42.80	23.93	52.90	34.03	64.98	54.98	-12.08	-20.95
2	0.21649	10.11	33.70	18.11	43.81	28.22	62.95	52.95	-19.14	-24.73
3	0.54664	10.16	31.72	21.08	41.88	31.24	56.00	46.00	-14.12	-14.76
4	0.84026	10.19	24.93	18.88	35.12	29.07	56.00	46.00	-20.88	-16.93
5	3.70128	10.50	25.73	13.02	36.23	23.52	56.00	46.00	-19.77	-22.48
6	12.87284	11.82	14.83	9.14	26.65	20.96	60.00	50.00	-33.35	-29.04

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

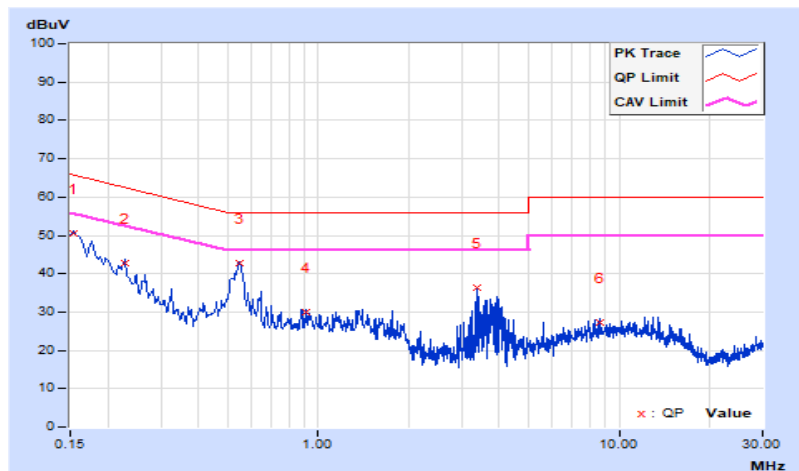


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75 % RH
Tested By	Jed Wu		

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	0.15391	10.35	40.24	20.90	50.59	31.25	65.79	55.79	-15.20	-24.54
2	0.22792	10.36	32.28	13.57	42.64	23.93	62.53	52.53	-19.89	-28.60
3	0.54664	10.40	32.51	21.83	42.91	32.23	56.00	46.00	-13.09	-13.77
4	0.91065	10.42	19.67	10.21	30.09	20.63	56.00	46.00	-25.91	-25.37
5	3.35321	10.69	25.77	12.35	36.46	23.04	56.00	46.00	-19.54	-22.96
6	8.59421	11.42	15.98	7.92	27.40	19.34	60.00	50.00	-32.60	-30.66

Remarks:

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



7.7 Unwanted Emissions below 1 GHz

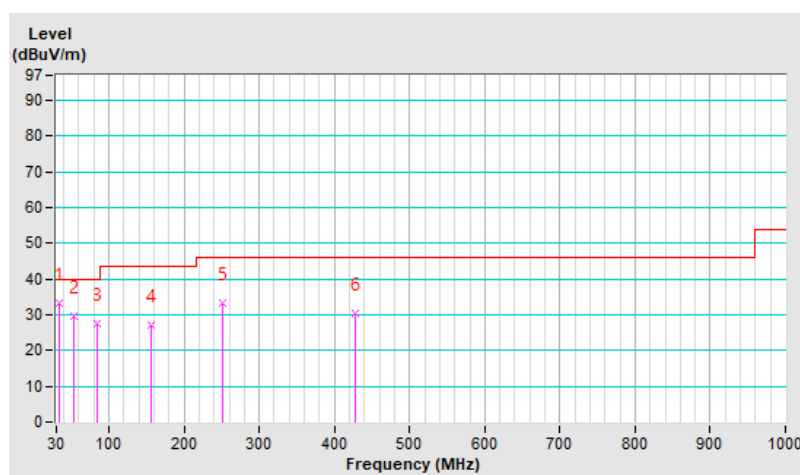
Mode A

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.9 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.36	33.3 QP	40.0	-6.7	1.62 H	294	47.4	-14.1
2	53.74	29.7 QP	40.0	-10.3	2.00 H	249	42.9	-13.2
3	83.78	27.7 QP	40.0	-12.3	2.41 H	201	46.3	-18.6
4	156.46	27.1 QP	43.5	-16.4	4.00 H	6	40.0	-12.9
5	250.45	33.2 QP	46.0	-12.8	3.01 H	131	47.3	-14.1
6	427.79	30.4 QP	46.0	-15.6	3.54 H	71	39.5	-9.1

Remarks:

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

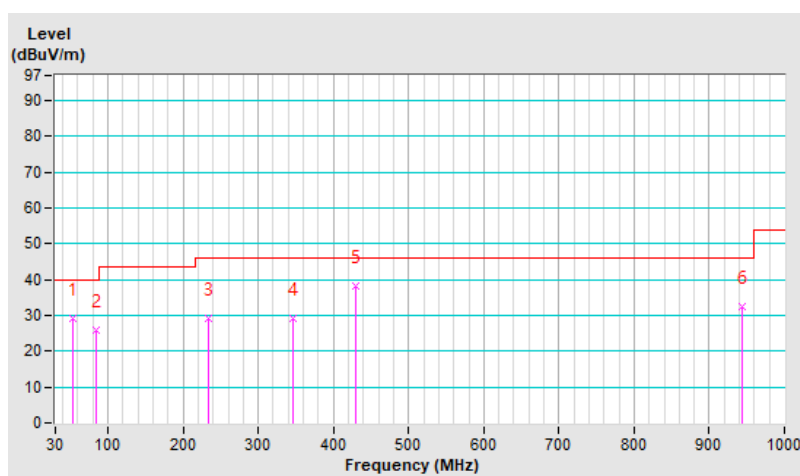


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.9 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	53.74	29.3 QP	40.0	-10.7	1.00 V	354	42.5	-13.2
2	83.78	25.8 QP	40.0	-14.2	1.00 V	5	44.4	-18.6
3	233.01	29.1 QP	46.0	-16.9	1.38 V	293	44.1	-15.0
4	346.39	29.2 QP	46.0	-16.8	1.80 V	242	40.5	-11.3
5	429.73	38.4 QP	46.0	-7.6	2.23 V	191	47.4	-9.0
6	944.28	32.5 QP	46.0	-13.5	2.54 V	154	32.4	0.1

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



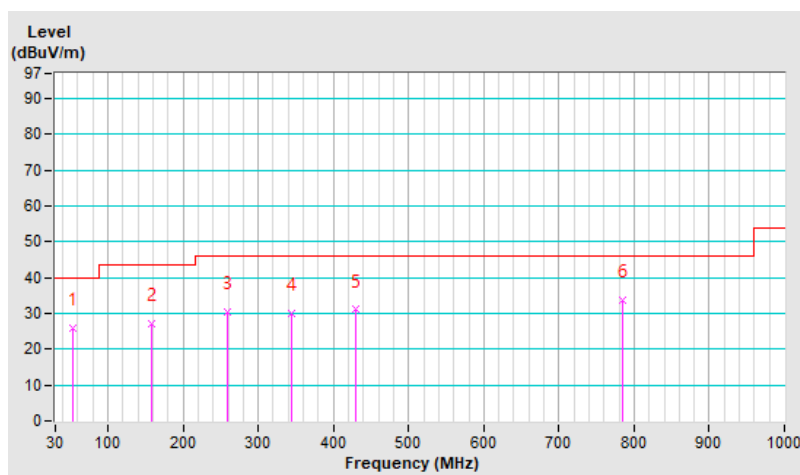
Mode B

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.9 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	53.09	25.9 QP	40.0	-14.1	2.94 H	109	39.0	-13.1
2	157.74	27.1 QP	43.5	-16.4	2.45 H	166	40.0	-12.9
3	258.52	30.6 QP	46.0	-15.4	2.06 H	213	44.4	-13.8
4	344.77	30.0 QP	46.0	-16.0	1.65 H	261	41.3	-11.3
5	429.07	31.0 QP	46.0	-15.0	1.23 H	312	40.0	-9.0
6	784.71	33.5 QP	46.0	-12.5	1.00 H	5	35.5	-2.0

Remarks:

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

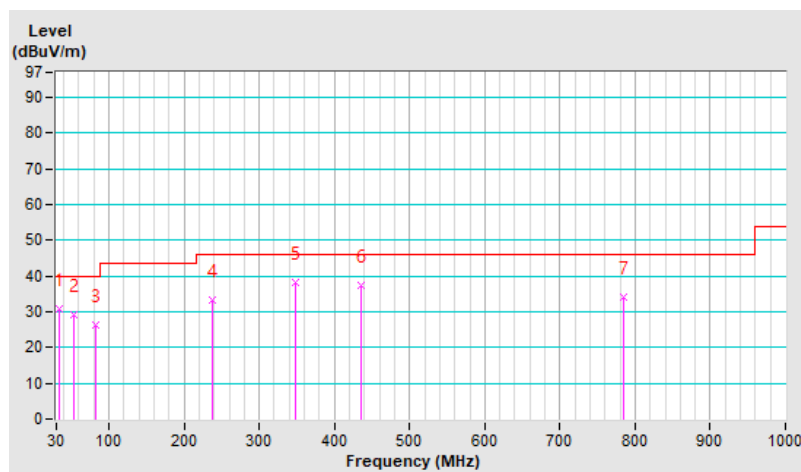


RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.9 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.36	30.9 QP	40.0	-9.1	1.43 V	59	45.0	-14.1
2	53.74	29.3 QP	40.0	-10.7	1.00 V	116	42.5	-13.2
3	82.81	26.2 QP	40.0	-13.8	1.38 V	184	44.7	-18.5
4	236.89	33.3 QP	46.0	-12.7	1.81 V	237	47.9	-14.6
5	347.36	38.2 QP	46.0	-7.8	2.21 V	285	49.5	-11.3
6	434.57	37.2 QP	46.0	-8.8	2.59 V	330	46.0	-8.8
7	784.24	34.0 QP	46.0	-12.0	3.80 V	339	36.0	-2.0

Remarks:

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



7.8 Unwanted Emissions above 1 GHz

Mode A

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	48.9 PK	74.0	-25.1	2.30 H	44	46.1	2.8
2	5150.00	38.0 AV	54.0	-16.0	2.30 H	44	35.2	2.8
3	*5180.00	97.0 PK			2.30 H	44	56.2	40.8
4	*5180.00	85.3 AV			2.30 H	44	44.5	40.8
5	#10360.00	55.6 PK	68.2	-12.6	1.84 H	222	46.2	9.4
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	50.7 PK	74.0	-23.3	1.22 V	5	47.9	2.8
2	5150.00	38.8 AV	54.0	-15.2	1.22 V	5	36.0	2.8
3	*5180.00	104.0 PK			1.22 V	5	63.2	40.8
4	*5180.00	92.0 AV			1.22 V	5	51.2	40.8
5	#10360.00	56.8 PK	68.2	-11.4	1.64 V	239	47.4	9.4

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	97.1 PK			2.26 H	45	56.3	40.8
2	*5200.00	84.9 AV			2.26 H	45	44.1	40.8
3	#10400.00	55.4 PK	68.2	-12.8	1.85 H	145	46.2	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	104.4 PK			1.19 V	55	63.6	40.8
2	*5200.00	91.9 AV			1.19 V	55	51.1	40.8
3	#10400.00	56.7 PK	68.2	-11.5	1.68 V	269	47.5	9.2

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	96.5 PK			2.25 H	49	55.8	40.7
2	*5240.00	85.2 AV			2.25 H	49	44.5	40.7
3	5350.00	47.8 PK	74.0	-26.2	2.25 H	49	45.2	2.6
4	5350.00	37.2 AV	54.0	-16.8	2.25 H	49	34.6	2.6
5	#10480.00	55.3 PK	68.2	-12.9	2.14 H	263	46.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	103.4 PK			1.22 V	73	62.7	40.7
2	*5240.00	91.0 AV			1.22 V	73	50.3	40.7
3	5350.00	49.2 PK	74.0	-24.8	1.22 V	73	46.6	2.6
4	5350.00	38.3 AV	54.0	-15.7	1.22 V	73	35.7	2.6
5	#10480.00	56.6 PK	68.2	-11.6	1.94 V	225	47.5	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	48.0 PK	74.0	-26.0	2.31 H	44	45.2	2.8
2	5150.00	37.4 AV	54.0	-16.6	2.31 H	44	34.6	2.8
3	*5260.00	96.1 PK			2.31 H	44	55.5	40.6
4	*5260.00	85.2 AV			2.31 H	44	44.6	40.6
5	#10520.00	54.3 PK	68.2	-13.9	2.15 H	41	45.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	50.0 PK	74.0	-24.0	1.31 V	40	47.2	2.8
2	5150.00	38.8 AV	54.0	-15.2	1.31 V	40	36.0	2.8
3	*5260.00	103.3 PK			1.31 V	40	62.7	40.6
4	*5260.00	91.4 AV			1.31 V	40	50.8	40.6
5	#10520.00	56.6 PK	68.2	-11.6	1.65 V	238	47.5	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	96.3 PK			2.25 H	53	55.9	40.4
2	*5300.00	85.7 AV			2.25 H	53	45.3	40.4
3	10600.00	54.3 PK	74.0	-19.7	1.84 H	139	45.3	9.0
4	10600.00	41.9 AV	54.0	-12.1	1.84 H	139	32.9	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	103.6 PK			1.29 V	52	63.2	40.4
2	*5300.00	91.8 AV			1.29 V	52	51.4	40.4
3	10600.00	55.3 PK	74.0	-18.7	1.84 V	145	46.3	9.0
4	10600.00	42.5 AV	54.0	-11.5	1.84 V	145	33.5	9.0

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	97.2 PK			2.16 H	56	56.8	40.4
2	*5320.00	86.3 AV			2.16 H	56	45.9	40.4
3	5350.00	50.2 PK	74.0	-23.8	2.16 H	56	47.6	2.6
4	5350.00	38.1 AV	54.0	-15.9	2.16 H	56	35.5	2.6
5	10640.00	54.2 PK	74.0	-19.8	2.25 H	196	45.2	9.0
6	10640.00	41.3 AV	54.0	-12.7	2.25 H	196	32.3	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	104.9 PK			2.38 V	140	64.5	40.4
2	*5320.00	92.4 AV			2.38 V	140	52.0	40.4
3	5350.00	51.1 PK	74.0	-22.9	2.38 V	140	48.5	2.6
4	5350.00	39.1 AV	54.0	-14.9	2.38 V	140	36.5	2.6
5	10640.00	55.3 PK	74.0	-18.7	1.52 V	358	46.3	9.0
6	10640.00	42.5 AV	54.0	-11.5	1.52 V	358	33.5	9.0

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.0 PK	74.0	-25.0	2.23 H	47	46.2	2.8
2	5460.00	37.3 AV	54.0	-16.7	2.23 H	47	34.5	2.8
3	#5470.00	51.1 PK	68.2	-17.1	2.23 H	47	48.2	2.9
4	*5500.00	97.4 PK			2.23 H	47	56.4	41.0
5	*5500.00	87.5 AV			2.23 H	47	46.5	41.0
6	11000.00	54.2 PK	74.0	-19.8	2.31 H	62	45.2	9.0
7	11000.00	41.9 AV	54.0	-12.1	2.31 H	62	32.9	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.2 PK	74.0	-23.8	1.15 V	40	47.4	2.8
2	5460.00	38.6 AV	54.0	-15.4	1.15 V	40	35.8	2.8
3	#5470.00	52.1 PK	68.2	-16.1	1.15 V	40	49.2	2.9
4	*5500.00	104.9 PK			1.15 V	40	63.9	41.0
5	*5500.00	92.8 AV			1.15 V	40	51.8	41.0
6	11000.00	55.3 PK	74.0	-18.7	1.85 V	224	46.3	9.0
7	11000.00	42.8 AV	54.0	-11.2	1.85 V	224	33.8	9.0

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	97.4 PK			2.14 H	63	56.1	41.3
2	*5580.00	87.6 AV			2.14 H	63	46.3	41.3
3	11160.00	55.1 PK	74.0	-18.9	1.87 H	141	45.6	9.5
4	11160.00	41.7 AV	54.0	-12.3	1.87 H	141	32.2	9.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	105.4 PK			1.21 V	45	64.1	41.3
2	*5580.00	93.6 AV			1.21 V	45	52.3	41.3
3	11160.00	56.0 PK	74.0	-18.0	2.35 V	214	46.5	9.5
4	11160.00	42.7 AV	54.0	-11.3	2.35 V	214	33.2	9.5

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	95.3 PK			2.36 H	56	53.3	42.0
2	*5700.00	85.2 AV			2.36 H	56	43.2	42.0
3	#5725.00	51.5 PK	68.2	-16.7	2.36 H	56	47.2	4.3
4	11400.00	54.9 PK	74.0	-19.1	1.52 H	241	45.3	9.6
5	11400.00	41.8 AV	54.0	-12.2	1.52 H	241	32.2	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	102.9 PK			1.19 V	31	60.9	42.0
2	*5700.00	90.1 AV			1.19 V	31	48.1	42.0
3	#5725.00	52.3 PK	68.2	-15.9	1.19 V	31	48.0	4.3
4	11400.00	55.9 PK	74.0	-18.1	1.64 V	235	46.3	9.6
5	11400.00	43.2 AV	54.0	-10.8	1.64 V	235	33.6	9.6

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.7 PK	68.2	-18.5	1.66 H	325	46.8	2.9
2	*5720.00	95.3 PK			2.28 H	60	53.2	42.1
3	*5720.00	85.4 AV			2.28 H	60	43.3	42.1
4	11440.00	54.9 PK	74.0	-19.1	1.35 H	241	45.2	9.7
5	11440.00	41.9 AV	54.0	-12.1	1.35 H	241	32.2	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	51.8 PK	68.2	-16.4	1.00 V	33	48.9	2.9
2	*5720.00	102.2 PK			1.00 V	33	60.1	42.1
3	*5720.00	90.1 AV			1.00 V	33	48.0	42.1
4	11440.00	55.9 PK	74.0	-18.1	1.64 V	239	46.2	9.7
5	11440.00	43.1 AV	54.0	-10.9	1.64 V	239	33.4	9.7

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.48	51.7 PK	68.2	-16.5	2.23 H	46	48.2	3.5
2	*5745.00	95.8 PK			2.23 H	46	53.5	42.3
3	*5745.00	85.9 AV			2.23 H	46	43.6	42.3
4	#5976.64	53.2 PK	68.2	-15.0	2.23 H	46	48.8	4.4
5	11490.00	54.9 PK	74.0	-19.1	1.87 H	145	45.2	9.7
6	11490.00	41.8 AV	54.0	-12.2	1.87 H	145	32.1	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5617.96	53.2 PK	68.2	-15.0	1.33 V	34	49.7	3.5
2	*5745.00	102.9 PK			1.33 V	34	60.6	42.3
3	*5745.00	91.2 AV			1.33 V	34	48.9	42.3
4	#5945.59	52.2 PK	68.2	-16.0	1.33 V	34	47.7	4.5
5	11490.00	56.2 PK	74.0	-17.8	2.26 V	254	46.5	9.7
6	11490.00	43.1 AV	54.0	-10.9	2.26 V	254	33.4	9.7

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.48	51.0 PK	68.2	-17.2	2.34 H	58	47.4	3.6
2	*5785.00	96.7 PK			2.34 H	58	54.3	42.4
3	*5785.00	87.0 AV			2.34 H	58	44.6	42.4
4	#5946.35	51.7 PK	68.2	-16.5	2.34 H	58	47.2	4.5
5	11570.00	54.6 PK	74.0	-19.4	2.39 H	62	45.2	9.4
6	11570.00	41.6 AV	54.0	-12.4	2.39 H	62	32.2	9.4
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	#5628.60	50.6 PK	68.2	-17.6	1.15 V	73	47.0	3.6
2	*5785.00	103.8 PK			1.15 V	73	61.4	42.4
3	*5785.00	91.9 AV			1.15 V	73	49.5	42.4
4	#5952.72	51.1 PK	68.2	-17.1	1.15 V	73	46.7	4.4
5	11570.00	56.2 PK	74.0	-17.8	1.52 V	284	46.8	9.4
6	11570.00	43.2 AV	54.0	-10.8	1.52 V	284	33.8	9.4

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.1 °C, 77.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5635.68	50.9 PK	68.2	-17.3	2.31 H	41	47.3	3.6
2	*5825.00	96.8 PK			2.31 H	41	54.3	42.5
3	*5825.00	87.1 AV			2.31 H	41	44.6	42.5
4	#5958.88	51.4 PK	68.2	-16.8	2.31 H	41	47.0	4.4
5	11650.00	54.8 PK	74.0	-19.2	2.30 H	258	45.2	9.6
6	11650.00	41.7 AV	54.0	-12.3	2.30 H	258	32.1	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.68	52.4 PK	68.2	-15.8	1.18 V	36	48.5	3.9
2	*5825.00	104.1 PK			1.18 V	36	61.6	42.5
3	*5825.00	92.6 AV			1.18 V	36	50.1	42.5
4	#5949.51	53.0 PK	68.2	-15.2	1.18 V	36	48.5	4.5
5	11650.00	56.2 PK	74.0	-17.8	1.63 V	299	46.6	9.6
6	11650.00	43.1 AV	54.0	-10.9	1.63 V	299	33.5	9.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.4 PK	74.0	-20.6	1.07 H	210	50.6	2.8
2	5150.00	39.8 AV	54.0	-14.2	1.07 H	210	37.0	2.8
3	*5180.00	100.2 PK			1.07 H	210	59.4	40.8
4	*5180.00	82.2 AV			1.07 H	210	41.4	40.8
5	#10360.00	55.9 PK	68.2	-12.3	1.96 H	36	46.5	9.4
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	54.3 PK	74.0	-19.7	1.72 V	2	51.5	2.8
2	5150.00	40.3 AV	54.0	-13.7	1.72 V	2	37.5	2.8
3	*5180.00	108.1 PK			1.72 V	2	67.3	40.8
4	*5180.00	89.5 AV			1.72 V	2	48.7	40.8
5	#10360.00	56.9 PK	68.2	-11.3	1.84 V	234	47.5	9.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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			1.13 H	198	59.1	40.8
2	*5200.00	81.7 AV			1.13 H	198	40.9	40.8
3	#10400.00	55.8 PK	68.2	-12.4	2.35 H	158	46.6	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	107.3 PK			1.37 V	177	66.5	40.8
2	*5200.00	87.1 AV			1.37 V	177	46.3	40.8
3	#10400.00	56.8 PK	68.2	-11.4	1.52 V	143	47.6	9.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	100.3 PK			1.04 H	205	59.6	40.7
2	*5240.00	82.0 AV			1.04 H	205	41.3	40.7
3	5350.00	49.5 PK	74.0	-24.5	1.04 H	205	46.9	2.6
4	5350.00	38.2 AV	54.0	-15.8	1.04 H	205	35.6	2.6
5	#10480.00	55.4 PK	68.2	-12.8	2.26 H	321	46.3	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	106.6 PK			1.51 V	176	65.9	40.7
2	*5240.00	88.1 AV			1.51 V	176	47.4	40.7
3	5350.00	50.4 PK	74.0	-23.6	1.51 V	176	47.8	2.6
4	5350.00	39.2 AV	54.0	-14.8	1.51 V	176	36.6	2.6
5	#10480.00	56.9 PK	68.2	-11.3	1.87 V	41	47.8	9.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.3 PK	74.0	-22.7	1.10 H	197	48.5	2.8
2	5150.00	39.1 AV	54.0	-14.9	1.10 H	197	36.3	2.8
3	*5260.00	102.7 PK			1.10 H	197	62.1	40.6
4	*5260.00	84.8 AV			1.10 H	197	44.2	40.6
5	#10520.00	55.3 PK	68.2	-12.9	1.63 H	265	46.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.7 PK	74.0	-21.3	1.24 V	51	49.9	2.8
2	5150.00	39.9 AV	54.0	-14.1	1.24 V	51	37.1	2.8
3	*5260.00	108.5 PK			1.24 V	51	67.9	40.6
4	*5260.00	90.4 AV			1.24 V	51	49.8	40.6
5	#10520.00	56.9 PK	68.2	-11.3	1.54 V	136	47.8	9.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	102.1 PK			1.09 H	203	61.7	40.4
2	*5300.00	83.0 AV			1.09 H	203	42.6	40.4
3	10600.00	55.2 PK	74.0	-18.8	2.34 H	162	46.2	9.0
4	10600.00	41.6 AV	54.0	-12.4	2.34 H	162	32.6	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	107.7 PK			1.21 V	46	67.3	40.4
2	*5300.00	90.0 AV			1.21 V	46	49.6	40.4
3	10600.00	56.6 PK	74.0	-17.4	1.34 V	265	47.6	9.0
4	10600.00	42.7 AV	54.0	-11.3	1.34 V	265	33.7	9.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	100.0 PK			1.12 H	201	59.6	40.4
2	*5320.00	80.7 AV			1.12 H	201	40.3	40.4
3	5350.00	48.8 PK	74.0	-25.2	1.12 H	201	46.2	2.6
4	5350.00	38.4 AV	54.0	-15.6	1.12 H	201	35.8	2.6
5	10640.00	55.3 PK	74.0	-18.7	1.63 H	269	46.3	9.0
6	10640.00	41.5 AV	54.0	-12.5	1.63 H	269	32.5	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.7 PK			1.10 V	51	66.3	40.4
2	*5320.00	87.4 AV			1.10 V	51	47.0	40.4
3	5350.00	49.9 PK	74.0	-24.1	1.10 V	51	47.3	2.6
4	5350.00	39.5 AV	54.0	-14.5	1.10 V	51	36.9	2.6
5	10640.00	56.5 PK	74.0	-17.5	1.85 V	241	47.5	9.0
6	10640.00	42.5 AV	54.0	-11.5	1.85 V	241	33.5	9.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	50.0 PK	74.0	-24.0	1.22 H	350	47.2	2.8
2	5460.00	38.7 AV	54.0	-15.3	1.22 H	350	35.9	2.8
3	#5470.00	51.9 PK	68.2	-16.3	1.22 H	350	49.0	2.9
4	*5500.00	100.0 PK			1.22 H	350	59.0	41.0
5	*5500.00	82.9 AV			1.22 H	350	41.9	41.0
6	11000.00	55.2 PK	74.0	-18.8	1.66 H	339	46.2	9.0
7	11000.00	41.8 AV	54.0	-12.2	1.66 H	339	32.8	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	51.2 PK	74.0	-22.8	1.19 V	3	48.4	2.8
2	5460.00	39.6 AV	54.0	-14.4	1.19 V	3	36.8	2.8
3	#5470.00	52.8 PK	68.2	-15.4	1.19 V	3	49.9	2.9
4	*5500.00	108.0 PK			1.19 V	3	67.0	41.0
5	*5500.00	90.6 AV			1.19 V	3	49.6	41.0
6	11000.00	56.3 PK	74.0	-17.7	1.84 V	153	47.3	9.0
7	11000.00	42.6 AV	54.0	-11.4	1.84 V	153	33.6	9.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	99.7 PK			1.18 H	347	58.4	41.3
2	*5580.00	82.8 AV			1.18 H	347	41.5	41.3
3	11160.00	56.1 PK	74.0	-17.9	1.39 H	66	46.6	9.5
4	11160.00	42.0 AV	54.0	-12.0	1.39 H	66	32.5	9.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	108.5 PK			1.21 V	10	67.2	41.3
2	*5580.00	91.4 AV			1.21 V	10	50.1	41.3
3	11160.00	57.3 PK	74.0	-16.7	2.36 V	251	47.8	9.5
4	11160.00	43.4 AV	54.0	-10.6	2.36 V	251	33.9	9.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	93.4 PK			1.74 H	354	51.4	42.0
2	*5700.00	77.6 AV			1.74 H	354	35.6	42.0
3	#5725.00	50.7 PK	68.2	-17.5	1.74 H	354	46.4	4.3
4	11400.00	55.8 PK	74.0	-18.2	1.87 H	45	46.2	9.6
5	11400.00	42.2 AV	54.0	-11.8	1.87 H	45	32.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	104.9 PK			1.22 V	42	62.9	42.0
2	*5700.00	85.8 AV			1.22 V	42	43.8	42.0
3	#5725.00	52.5 PK	68.2	-15.7	1.22 V	42	48.2	4.3
4	11400.00	57.1 PK	74.0	-16.9	1.34 V	158	47.5	9.6
5	11400.00	43.1 AV	54.0	-10.9	1.34 V	158	33.5	9.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	51.5 PK	68.2	-16.7	1.00 H	319	48.6	2.9
2	*5720.00	95.6 PK			1.00 H	319	53.5	42.1
3	*5720.00	79.9 AV			1.00 H	319	37.8	42.1
4	11440.00	56.0 PK	74.0	-18.0	1.25 H	215	46.3	9.7
5	11440.00	42.2 AV	54.0	-11.8	1.25 H	215	32.5	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	52.4 PK	68.2	-15.8	1.30 V	41	49.5	2.9
2	*5720.00	105.4 PK			1.30 V	41	63.3	42.1
3	*5720.00	86.8 AV			1.30 V	41	44.7	42.1
4	11440.00	57.1 PK	74.0	-16.9	2.31 V	154	47.4	9.7
5	11440.00	43.3 AV	54.0	-10.7	2.31 V	154	33.6	9.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.68	51.2 PK	68.2	-17.0	1.16 H	346	47.3	3.9
2	*5745.00	98.0 PK			1.16 H	346	55.7	42.3
3	*5745.00	80.8 AV			1.16 H	346	38.5	42.3
4	#5941.31	52.1 PK	68.2	-16.1	1.16 H	346	47.6	4.5
5	11490.00	56.1 PK	74.0	-17.9	2.85 H	296	46.4	9.7
6	11490.00	42.2 AV	54.0	-11.8	2.85 H	296	32.5	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.44	51.4 PK	68.2	-16.8	1.39 V	3	47.8	3.6
2	*5745.00	106.4 PK			1.39 V	3	64.1	42.3
3	*5745.00	86.3 AV			1.39 V	3	44.0	42.3
4	#5970.60	53.7 PK	68.2	-14.5	1.39 V	3	49.3	4.4
5	11490.00	57.3 PK	74.0	-16.7	2.31 V	65	47.6	9.7
6	11490.00	43.3 AV	54.0	-10.7	2.31 V	65	33.6	9.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5627.16	51.7 PK	68.2	-16.5	1.18 H	353	48.1	3.6
2	*5785.00	98.7 PK			1.18 H	353	56.3	42.4
3	*5785.00	82.0 AV			1.18 H	353	39.6	42.4
4	#5959.64	53.6 PK	68.2	-14.6	1.18 H	353	49.2	4.4
5	11570.00	56.2 PK	74.0	-17.8	1.44 H	225	46.8	9.4
6	11570.00	41.9 AV	54.0	-12.1	1.44 H	225	32.5	9.4
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	#5647.28	52.4 PK	68.2	-15.8	1.36 V	12	48.5	3.9
2	*5785.00	106.7 PK			1.36 V	12	64.3	42.4
3	*5785.00	86.7 AV			1.36 V	12	44.3	42.4
4	#5934.31	53.0 PK	68.2	-15.2	1.36 V	12	48.5	4.5
5	11570.00	56.9 PK	74.0	-17.1	1.88 V	296	47.5	9.4
6	11570.00	42.8 AV	54.0	-11.2	1.88 V	296	33.4	9.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.16	52.4 PK	68.2	-15.8	1.14 H	349	48.8	3.6
2	*5825.00	98.0 PK			1.14 H	349	55.5	42.5
3	*5825.00	81.1 AV			1.14 H	349	38.6	42.5
4	#5974.20	53.8 PK	68.2	-14.4	1.14 H	349	49.4	4.4
5	11650.00	55.9 PK	74.0	-18.1	1.36 H	269	46.3	9.6
6	11650.00	42.2 AV	54.0	-11.8	1.36 H	269	32.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.88	51.6 PK	68.2	-16.6	1.42 V	6	47.7	3.9
2	*5825.00	106.7 PK			1.42 V	6	64.2	42.5
3	*5825.00	87.0 AV			1.42 V	6	44.5	42.5
4	#5946.71	53.2 PK	68.2	-15.0	1.42 V	6	48.7	4.5
5	11650.00	57.4 PK	74.0	-16.6	2.25 V	218	47.8	9.6
6	11650.00	43.2 AV	54.0	-10.8	2.25 V	218	33.6	9.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.1 PK	74.0	-22.9	1.50 H	22	48.3	2.8
2	5150.00	40.0 AV	54.0	-14.0	1.50 H	22	37.2	2.8
3	*5190.00	98.0 PK			1.50 H	22	57.2	40.8
4	*5190.00	80.6 AV			1.50 H	22	39.8	40.8
5	#10380.00	55.6 PK	68.2	-12.6	1.84 H	111	46.3	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.6 PK	74.0	-20.4	1.49 V	48	50.8	2.8
2	5150.00	40.7 AV	54.0	-13.3	1.49 V	48	37.9	2.8
3	*5190.00	106.1 PK			1.49 V	48	65.3	40.8
4	*5190.00	87.8 AV			1.49 V	48	47.0	40.8
5	#10380.00	56.7 PK	68.2	-11.5	1.64 V	182	47.4	9.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	98.2 PK			1.05 H	21	57.6	40.6
2	*5230.00	80.1 AV			1.05 H	21	39.5	40.6
3	5350.00	50.4 PK	74.0	-23.6	1.05 H	21	47.8	2.6
4	5350.00	39.3 AV	54.0	-14.7	1.05 H	21	36.7	2.6
5	#10460.00	55.3 PK	68.2	-12.9	2.28 H	154	46.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	106.1 PK			1.47 V	170	65.5	40.6
2	*5230.00	87.7 AV			1.47 V	170	47.1	40.6
3	5350.00	51.6 PK	74.0	-22.4	1.47 V	170	49.0	2.6
4	5350.00	39.4 AV	54.0	-14.6	1.47 V	170	36.8	2.6
5	#10460.00	56.9 PK	68.2	-11.3	1.85 V	251	47.8	9.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.5 PK	74.0	-22.5	1.69 H	338	48.7	2.8
2	5150.00	39.9 AV	54.0	-14.1	1.69 H	338	37.1	2.8
3	*5270.00	96.0 PK			1.69 H	338	55.5	40.5
4	*5270.00	80.6 AV			1.69 H	338	40.1	40.5
5	#10540.00	55.2 PK	68.2	-13.0	1.13 H	295	46.2	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.4 PK	74.0	-21.6	1.39 V	178	49.6	2.8
2	5150.00	40.0 AV	54.0	-14.0	1.39 V	178	37.2	2.8
3	*5270.00	105.9 PK			1.39 V	178	65.4	40.5
4	*5270.00	90.0 AV			1.39 V	178	49.5	40.5
5	#10540.00	56.5 PK	68.2	-11.7	1.87 V	149	47.5	9.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	96.4 PK			2.05 H	204	56.0	40.4
2	*5310.00	76.8 AV			2.05 H	204	36.4	40.4
3	5350.00	50.9 PK	74.0	-23.1	2.05 H	204	48.3	2.6
4	5350.00	39.2 AV	54.0	-14.8	2.05 H	204	36.6	2.6
5	10620.00	55.2 PK	74.0	-18.8	1.85 H	146	46.3	8.9
6	10620.00	41.3 AV	54.0	-12.7	1.85 H	146	32.4	8.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.2 PK			1.60 V	0	65.8	40.4
2	*5310.00	87.7 AV			1.60 V	0	47.3	40.4
3	5350.00	55.9 PK	74.0	-18.1	1.60 V	0	53.3	2.6
4	5350.00	40.3 AV	54.0	-13.7	1.60 V	0	37.7	2.6
5	10620.00	56.3 PK	74.0	-17.7	1.89 V	225	47.4	8.9
6	10620.00	42.6 AV	54.0	-11.4	1.89 V	225	33.7	8.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	51.4 PK	74.0	-22.6	1.14 H	49	48.6	2.8
2	5460.00	39.5 AV	54.0	-14.5	1.14 H	49	36.7	2.8
3	#5470.00	53.1 PK	68.2	-15.1	1.14 H	49	50.2	2.9
4	*5510.00	98.1 PK			1.14 H	49	57.1	41.0
5	*5510.00	83.7 AV			1.14 H	49	42.7	41.0
6	11020.00	55.3 PK	74.0	-18.7	1.87 H	45	46.3	9.0
7	11020.00	41.5 AV	54.0	-12.5	1.87 H	45	32.5	9.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.4 PK	74.0	-21.6	1.49 V	318	49.6	2.8
2	5460.00	40.3 AV	54.0	-13.7	1.49 V	318	37.5	2.8
3	#5470.00	54.4 PK	68.2	-13.8	1.49 V	318	51.5	2.9
4	*5510.00	106.8 PK			1.49 V	318	65.8	41.0
5	*5510.00	87.1 AV			1.49 V	318	46.1	41.0
6	11020.00	56.5 PK	74.0	-17.5	2.35 V	184	47.5	9.0
7	11020.00	42.6 AV	54.0	-11.4	2.35 V	184	33.6	9.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	98.6 PK			1.20 H	61	57.4	41.2
2	*5550.00	84.1 AV			1.20 H	61	42.9	41.2
3	11100.00	55.8 PK	74.0	-18.2	1.33 H	269	46.5	9.3
4	11100.00	41.7 AV	54.0	-12.3	1.33 H	269	32.4	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	106.8 PK			1.38 V	23	65.6	41.2
2	*5550.00	87.5 AV			1.38 V	23	46.3	41.2
3	11100.00	56.8 PK	74.0	-17.2	1.34 V	169	47.5	9.3
4	11100.00	42.9 AV	54.0	-11.1	1.34 V	169	33.6	9.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	94.4 PK			1.40 H	351	52.5	41.9
2	*5670.00	78.9 AV			1.40 H	351	37.0	41.9
3	#5725.00	52.4 PK	68.2	-15.8	1.40 H	350	48.1	4.3
4	11340.00	56.3 PK	74.0	-17.7	2.28 H	214	46.5	9.8
5	11340.00	42.2 AV	54.0	-11.8	2.28 H	214	32.4	9.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	104.7 PK			1.49 V	179	62.8	41.9
2	*5670.00	87.2 AV			1.49 V	179	45.3	41.9
3	#5725.00	53.4 PK	68.2	-14.8	1.49 V	179	49.1	4.3
4	11340.00	57.4 PK	74.0	-16.6	1.85 V	241	47.6	9.8
5	11340.00	43.6 AV	54.0	-10.4	1.85 V	241	33.8	9.8

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 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	52.8 PK	68.2	-15.4	1.47 H	359	49.9	2.9
2	*5710.00	93.4 PK			1.47 H	359	51.3	42.1
3	*5710.00	76.9 AV			1.47 H	359	34.8	42.1
4	11420.00	56.1 PK	74.0	-17.9	1.23 H	263	46.5	9.6
5	11420.00	42.3 AV	54.0	-11.7	1.23 H	263	32.7	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	52.5 PK	68.2	-15.7	2.21 V	38	49.6	2.9
2	*5710.00	104.2 PK			2.21 V	38	62.1	42.1
3	*5710.00	85.6 AV			2.21 V	38	43.5	42.1
4	11420.00	57.2 PK	74.0	-16.8	2.21 V	145	47.6	9.6
5	11420.00	43.0 AV	54.0	-11.0	2.21 V	145	33.4	9.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.44	50.9 PK	68.2	-17.3	1.54 H	170	47.2	3.7
2	*5755.00	94.7 PK			1.54 H	170	52.4	42.3
3	*5755.00	79.1 AV			1.54 H	170	36.8	42.3
4	#5954.16	52.6 PK	68.2	-15.6	1.54 H	170	48.2	4.4
5	11510.00	56.0 PK	74.0	-18.0	1.64 H	199	46.4	9.6
6	11510.00	42.2 AV	54.0	-11.8	1.64 H	199	32.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.84	51.7 PK	68.2	-16.5	2.30 V	0	47.8	3.9
2	*5755.00	105.2 PK			2.30 V	0	62.9	42.3
3	*5755.00	84.5 AV			2.30 V	0	42.2	42.3
4	#5958.44	53.1 PK	68.2	-15.1	2.30 V	0	48.7	4.4
5	11510.00	57.2 PK	74.0	-16.8	1.28 V	146	47.6	9.6
6	11510.00	43.1 AV	54.0	-10.9	1.28 V	146	33.5	9.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	19.5 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.84	53.5 PK	68.2	-14.7	1.49 H	176	50.0	3.5
2	*5795.00	94.5 PK			1.49 H	176	52.1	42.4
3	*5795.00	78.7 AV			1.49 H	176	36.3	42.4
4	#5966.00	52.2 PK	68.2	-16.0	1.49 H	176	47.8	4.4
5	11590.00	55.6 PK	74.0	-18.4	1.87 H	146	46.2	9.4
6	11590.00	41.9 AV	54.0	-12.1	1.87 H	146	32.5	9.4
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	#5618.92	52.8 PK	68.2	-15.4	2.28 V	13	49.3	3.5
2	*5795.00	105.1 PK			2.28 V	13	62.7	42.4
3	*5795.00	84.9 AV			2.28 V	13	42.5	42.4
4	#5947.27	52.8 PK	68.2	-15.4	2.28 V	13	48.3	4.5
5	11590.00	57.2 PK	74.0	-16.8	1.66 V	295	47.8	9.4
6	11590.00	43.0 AV	54.0	-11.0	1.66 V	295	33.6	9.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.7 PK	74.0	-20.3	1.23 H	338	50.6	3.1
2	5150.00	40.6 AV	54.0	-13.4	1.23 H	338	37.5	3.1
3	*5210.00	93.8 PK			1.23 H	338	53.1	40.7
4	*5210.00	78.3 AV			1.23 H	338	37.6	40.7
5	5350.00	52.0 PK	74.0	-22.0	1.23 H	338	49.2	2.8
6	5350.00	39.2 AV	54.0	-14.8	1.23 H	338	36.4	2.8
7	#10420.00	55.3 PK	68.2	-12.9	1.83 H	269	46.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.6 PK	74.0	-16.4	1.53 V	8	54.5	3.1
2	5150.00	42.3 AV	54.0	-11.7	1.53 V	8	39.2	3.1
3	*5210.00	103.7 PK			1.53 V	8	63.0	40.7
4	*5210.00	85.3 AV			1.53 V	8	44.6	40.7
5	5350.00	53.4 PK	74.0	-20.6	1.53 V	8	50.6	2.8
6	5350.00	40.1 AV	54.0	-13.9	1.53 V	8	37.3	2.8
7	#10420.00	56.6 PK	68.2	-11.6	1.64 V	43	47.5	9.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.0 PK	74.0	-22.0	1.51 H	210	48.9	3.1
2	5150.00	40.3 AV	54.0	-13.7	1.51 H	210	37.2	3.1
3	*5290.00	91.3 PK			1.51 H	210	50.8	40.5
4	*5290.00	76.9 AV			1.51 H	210	36.4	40.5
5	5350.00	54.4 PK	74.0	-19.6	1.51 H	210	51.6	2.8
6	5350.00	40.4 AV	54.0	-13.6	1.51 H	210	37.6	2.8
7	#10580.00	55.3 PK	68.2	-12.9	1.69 H	333	46.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.3 PK	74.0	-20.7	1.48 V	173	50.2	3.1
2	5150.00	40.5 AV	54.0	-13.5	1.48 V	173	37.4	3.1
3	*5290.00	102.1 PK			1.48 V	173	61.6	40.5
4	*5290.00	86.5 AV			1.48 V	173	46.0	40.5
5	5350.00	49.8 PK	74.0	-24.2	1.48 V	173	47.0	2.8
6	5350.00	43.0 AV	54.0	-11.0	1.48 V	173	40.2	2.8
7	#10580.00	57.0 PK	68.2	-11.2	1.89 V	333	47.9	9.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.6 PK	74.0	-20.4	1.35 H	358	50.6	3.0
2	5460.00	40.4 AV	54.0	-13.6	1.35 H	358	37.4	3.0
3	#5470.00	54.1 PK	68.2	-14.1	1.35 H	358	51.0	3.1
4	*5530.00	91.6 PK			1.35 H	358	50.5	41.1
5	*5530.00	76.6 AV			1.35 H	358	35.5	41.1
6	11060.00	55.6 PK	74.0	-18.4	1.84 H	64	46.3	9.3
7	11060.00	41.8 AV	54.0	-12.2	1.84 H	64	32.5	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.0 PK	74.0	-16.0	1.59 V	4	55.0	3.0
2	5460.00	42.5 AV	54.0	-11.5	1.59 V	4	39.5	3.0
3	#5470.00	58.1 PK	68.2	-10.1	1.59 V	4	55.0	3.1
4	*5530.00	102.8 PK			1.59 V	4	61.7	41.1
5	*5530.00	86.2 AV			1.59 V	4	45.1	41.1
6	11060.00	57.1 PK	74.0	-16.9	1.38 V	164	47.8	9.3
7	11060.00	42.9 AV	54.0	-11.1	1.38 V	164	33.6	9.3

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	90.8 PK			1.50 H	182	49.4	41.4
2	*5610.00	75.9 AV			1.50 H	182	34.5	41.4
3	#5725.00	54.6 PK	68.2	-13.6	1.50 H	182	50.1	4.5
4	11220.00	56.1 PK	74.0	-17.9	1.32 H	226	46.3	9.8
5	11220.00	41.9 AV	54.0	-12.1	1.32 H	226	32.1	9.8
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	*5610.00	100.2 PK			1.52 V	42	58.8	41.4
2	*5610.00	83.7 AV			1.52 V	42	42.3	41.4
3	#5725.00	55.5 PK	68.2	-12.7	1.52 V	42	51.0	4.5
4	11220.00	57.3 PK	74.0	-16.7	1.87 V	145	47.5	9.8
5	11220.00	43.4 AV	54.0	-10.6	1.87 V	145	33.6	9.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	52.7 PK	68.2	-15.5	1.68 H	183	49.6	3.1
2	*5690.00	92.1 PK			1.69 H	183	50.1	42.0
3	*5690.00	75.9 AV			1.69 H	183	33.9	42.0
4	11380.00	56.2 PK	74.0	-17.8	2.35 H	116	46.3	9.9
5	11380.00	42.3 AV	54.0	-11.7	2.35 H	116	32.4	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	54.0 PK	68.2	-14.2	1.45 V	175	50.9	3.1
2	*5690.00	101.3 PK			1.45 V	175	59.3	42.0
3	*5690.00	85.5 AV			1.45 V	175	43.5	42.0
4	11380.00	57.7 PK	74.0	-16.3	1.97 V	254	47.8	9.9
5	11380.00	43.5 AV	54.0	-10.5	1.97 V	254	33.6	9.9

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	25.2 °C, 71.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.20	56.7 PK	68.2	-11.5	1.38 H	47	52.6	4.1
2	*5775.00	92.8 PK			1.38 H	47	50.4	42.4
3	*5775.00	78.4 AV			1.38 H	47	36.0	42.4
4	#5950.44	57.2 PK	68.2	-11.0	1.38 H	47	52.6	4.6
5	11550.00	55.9 PK	74.0	-18.1	2.04 H	156	46.3	9.6
6	11550.00	42.0 AV	54.0	-12.0	2.04 H	156	32.4	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.00	56.6 PK	68.2	-11.6	1.32 V	181	52.5	4.1
2	*5775.00	102.3 PK			1.32 V	181	59.9	42.4
3	*5775.00	85.6 AV			1.32 V	181	43.2	42.4
4	#5940.31	57.4 PK	68.2	-10.8	1.32 V	181	52.7	4.7
5	11550.00	57.4 PK	74.0	-16.6	2.01 V	251	47.8	9.6
6	11550.00	43.5 AV	54.0	-10.5	2.01 V	251	33.9	9.6

Remarks:

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

Mode B

RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.6 PK	74.0	-19.4	1.33 H	171	51.5	3.1
2	5150.00	41.1 AV	54.0	-12.9	1.33 H	171	38.0	3.1
3	*5180.00	104.3 PK			1.33 H	171	63.5	40.8
4	*5180.00	93.3 AV			1.33 H	171	52.5	40.8
5	#10360.00	58.6 PK	68.2	-9.6	1.50 H	197	49.3	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	2.17 V	172	54.1	3.1
2	5150.00	41.8 AV	54.0	-12.2	2.17 V	172	38.7	3.1
3	*5180.00	105.9 PK			2.17 V	172	65.1	40.8
4	*5180.00	94.6 AV			2.17 V	172	53.8	40.8
5	#10360.00	62.4 PK	68.2	-5.8	1.46 V	170	53.1	9.3

Remarks:

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

RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	104.0 PK			1.32 H	169	63.2	40.8
2	*5200.00	93.1 AV			1.32 H	169	52.3	40.8
3	#10400.00	58.3 PK	68.2	-9.9	1.44 H	196	49.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	105.9 PK			2.15 V	161	65.1	40.8
2	*5200.00	95.5 AV			2.15 V	161	54.7	40.8
3	#10400.00	62.4 PK	68.2	-5.8	1.51 V	172	53.3	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.8 PK			1.36 H	170	63.1	40.7
2	*5240.00	92.8 AV			1.36 H	170	52.1	40.7
3	5350.00	52.9 PK	74.0	-21.1	1.36 H	170	50.1	2.8
4	5350.00	39.5 AV	54.0	-14.5	1.36 H	170	36.7	2.8
5	#10480.00	57.5 PK	68.2	-10.7	1.84 H	123	48.3	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	104.8 PK			2.13 V	161	64.1	40.7
2	*5240.00	94.6 AV			2.13 V	161	53.9	40.7
3	5350.00	53.9 PK	74.0	-20.1	2.13 V	161	51.1	2.8
4	5350.00	40.4 AV	54.0	-13.6	2.13 V	161	37.6	2.8
5	#10480.00	58.9 PK	68.2	-9.3	2.13 V	164	49.7	9.2

Remarks:

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

RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.3 PK	74.0	-19.7	1.35 H	168	51.2	3.1
2	5150.00	40.2 AV	54.0	-13.8	1.35 H	168	37.1	3.1
3	*5260.00	105.1 PK			1.35 H	168	64.5	40.6
4	*5260.00	94.7 AV			1.35 H	168	54.1	40.6
5	#10520.00	58.4 PK	68.2	-9.8	1.82 H	239	49.2	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.1 PK	74.0	-18.9	2.16 V	162	52.0	3.1
2	5150.00	41.0 AV	54.0	-13.0	2.16 V	162	37.9	3.1
3	*5260.00	106.2 PK			2.16 V	162	65.6	40.6
4	*5260.00	95.6 AV			2.16 V	162	55.0	40.6
5	#10520.00	59.5 PK	68.2	-8.7	1.84 V	150	50.3	9.2

Remarks:

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

RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.6 PK			1.31 H	172	63.2	40.4
2	*5300.00	93.5 AV			1.31 H	172	53.1	40.4
3	10600.00	60.2 PK	74.0	-13.8	1.63 H	188	51.1	9.1
4	10600.00	46.2 AV	54.0	-7.8	1.63 H	188	37.1	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	104.8 PK			2.21 V	162	64.4	40.4
2	*5300.00	94.6 AV			2.21 V	162	54.2	40.4
3	10600.00	61.6 PK	74.0	-12.4	1.34 V	265	52.5	9.1
4	10600.00	47.4 AV	54.0	-6.6	1.34 V	265	38.3	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	102.7 PK			1.33 H	169	62.3	40.4
2	*5320.00	90.8 AV			1.33 H	169	50.4	40.4
3	5350.00	53.6 PK	74.0	-20.4	1.33 H	169	50.8	2.8
4	5350.00	39.7 AV	54.0	-14.3	1.33 H	169	36.9	2.8
5	10640.00	60.9 PK	74.0	-13.1	1.85 H	236	51.8	9.1
6	10640.00	46.7 AV	54.0	-7.3	1.85 H	236	37.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	103.5 PK			2.46 V	197	63.1	40.4
2	*5320.00	91.7 AV			2.46 V	197	51.3	40.4
3	5350.00	54.4 PK	74.0	-19.6	2.46 V	197	51.6	2.8
4	5350.00	40.6 AV	54.0	-13.4	2.46 V	197	37.8	2.8
5	10640.00	61.7 PK	74.0	-12.3	1.40 V	277	52.6	9.1
6	10640.00	47.7 AV	54.0	-6.3	1.40 V	277	38.6	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	52.5 PK	74.0	-21.5	1.31 H	174	49.5	3.0
2	5460.00	40.2 AV	54.0	-13.8	1.31 H	174	37.2	3.0
3	#5470.00	54.3 PK	68.2	-13.9	1.31 H	174	51.2	3.1
4	*5500.00	102.6 PK			1.31 H	174	61.6	41.0
5	*5500.00	92.6 AV			1.31 H	174	51.6	41.0
6	11000.00	60.4 PK	74.0	-13.6	1.65 H	254	51.3	9.1
7	11000.00	46.7 AV	54.0	-7.3	1.65 H	254	37.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.5 PK	74.0	-20.5	2.06 V	166	50.5	3.0
2	5460.00	41.0 AV	54.0	-13.0	2.06 V	166	38.0	3.0
3	#5470.00	55.2 PK	68.2	-13.0	2.06 V	166	52.1	3.1
4	*5500.00	103.7 PK			2.06 V	166	62.7	41.0
5	*5500.00	93.9 AV			2.06 V	166	52.9	41.0
6	11000.00	61.6 PK	74.0	-12.4	1.64 V	265	52.5	9.1
7	11000.00	47.8 AV	54.0	-6.2	1.64 V	265	38.7	9.1

Remarks:

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

RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	102.8 PK			1.31 H	175	61.5	41.3
2	*5580.00	93.1 AV			1.31 H	175	51.8	41.3
3	11160.00	60.9 PK	74.0	-13.1	1.52 H	236	51.3	9.6
4	11160.00	47.2 AV	54.0	-6.8	1.52 H	236	37.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	103.8 PK			1.98 V	162	62.5	41.3
2	*5580.00	94.4 AV			1.98 V	162	53.1	41.3
3	11160.00	62.1 PK	74.0	-11.9	2.35 V	154	52.5	9.6
4	11160.00	47.0 AV	54.0	-7.0	2.35 V	154	37.4	9.6

Remarks:

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

RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	101.1 PK			1.33 H	170	59.1	42.0
2	*5700.00	90.2 AV			1.33 H	170	48.2	42.0
3	#5725.00	55.3 PK	68.2	-12.9	1.33 H	170	50.8	4.5
4	11400.00	61.3 PK	74.0	-12.7	1.36 H	269	51.4	9.9
5	11400.00	46.5 AV	54.0	-7.5	1.36 H	269	36.6	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	102.0 PK			1.97 V	177	60.0	42.0
2	*5700.00	91.1 AV			1.97 V	177	49.1	42.0
3	#5725.00	56.2 PK	68.2	-12.0	1.97 V	177	51.7	4.5
4	11400.00	62.5 PK	74.0	-11.5	1.64 V	298	52.6	9.9
5	11400.00	47.7 AV	54.0	-6.3	1.64 V	298	37.8	9.9

Remarks:

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

RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	53.9 PK	68.2	-14.3	1.33 H	174	50.8	3.1
2	*5720.00	99.9 PK			1.33 H	174	57.8	42.1
3	*5720.00	90.0 AV			1.33 H	174	47.9	42.1
4	11440.00	61.3 PK	74.0	-12.7	1.81 H	225	51.4	9.9
5	11440.00	46.7 AV	54.0	-7.3	1.81 H	225	36.8	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	55.0 PK	68.2	-13.2	1.95 V	169	51.9	3.1
2	*5720.00	101.0 PK			1.95 V	169	58.9	42.1
3	*5720.00	90.9 AV			1.95 V	169	48.8	42.1
4	11440.00	62.4 PK	74.0	-11.6	1.64 V	238	52.5	9.9
5	11440.00	47.5 AV	54.0	-6.5	1.64 V	238	37.6	9.9

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.28	52.8 PK	68.2	-15.4	1.33 H	169	48.7	4.1
2	*5745.00	101.6 PK			1.33 H	169	59.3	42.3
3	*5745.00	91.4 AV			1.33 H	169	49.1	42.3
4	#5969.92	54.2 PK	68.2	-14.0	1.33 H	169	49.6	4.6
5	11490.00	61.5 PK	74.0	-12.5	2.31 H	164	51.6	9.9
6	11490.00	46.4 AV	54.0	-7.6	2.31 H	164	36.5	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.28	53.7 PK	68.2	-14.5	2.03 V	168	49.6	4.1
2	*5745.00	102.8 PK			2.03 V	168	60.5	42.3
3	*5745.00	92.3 AV			2.03 V	168	50.0	42.3
4	#5936.47	54.7 PK	68.2	-13.5	2.03 V	168	50.0	4.7
5	11490.00	62.5 PK	74.0	-11.5	1.74 V	188	52.6	9.9
6	11490.00	47.3 AV	54.0	-6.7	1.74 V	188	37.4	9.9

Remarks:

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

RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.40	52.4 PK	68.2	-15.8	1.30 H	172	48.5	3.9
2	*5785.00	101.9 PK			1.30 H	172	59.5	42.4
3	*5785.00	91.7 AV			1.30 H	172	49.3	42.4
4	#5925.27	54.4 PK	68.2	-13.8	1.30 H	172	49.7	4.7
5	11570.00	60.8 PK	74.0	-13.2	1.24 H	123	51.3	9.5
6	11570.00	46.0 AV	54.0	-8.0	1.24 H	123	36.5	9.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.44	54.4 PK	68.2	-13.8	2.00 V	170	50.5	3.9
2	*5785.00	102.7 PK			2.00 V	170	60.3	42.4
3	*5785.00	92.6 AV			2.00 V	170	50.2	42.4
4	#5940.51	54.6 PK	68.2	-13.6	2.00 V	170	49.9	4.7
5	11570.00	62.3 PK	74.0	-11.7	1.78 V	164	52.8	9.5
6	11570.00	47.1 AV	54.0	-6.9	1.78 V	164	37.6	9.5

Remarks:

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

RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.16	56.7 PK	68.2	-11.5	1.35 H	166	52.6	4.1
2	*5825.00	101.8 PK			1.35 H	166	59.3	42.5
3	*5825.00	92.0 AV			1.35 H	166	49.5	42.5
4	#5961.76	56.6 PK	68.2	-11.6	1.35 H	166	52.0	4.6
5	11650.00	61.4 PK	74.0	-12.6	1.23 H	265	51.8	9.6
6	11650.00	46.0 AV	54.0	-8.0	1.23 H	265	36.4	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5614.20	56.3 PK	68.2	-11.9	2.05 V	172	52.5	3.8
2	*5825.00	103.3 PK			2.05 V	172	60.8	42.5
3	*5825.00	92.9 AV			2.05 V	172	50.4	42.5
4	#5943.03	56.5 PK	68.2	-11.7	2.05 V	172	51.8	4.7
5	11650.00	62.0 PK	74.0	-12.0	2.14 V	156	52.4	9.6
6	11650.00	47.0 AV	54.0	-7.0	2.14 V	156	37.4	9.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.02 H	191	52.5	3.1
2	5150.00	41.2 AV	54.0	-12.8	1.02 H	191	38.1	3.1
3	*5180.00	107.8 PK			1.02 H	191	67.0	40.8
4	*5180.00	91.7 AV			1.02 H	191	50.9	40.8
5	#10360.00	57.7 PK	68.2	-10.5	1.52 H	236	48.4	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.3 PK	74.0	-19.7	1.51 V	138	51.2	3.1
2	5150.00	40.9 AV	54.0	-13.1	1.51 V	138	37.8	3.1
3	*5180.00	105.3 PK			1.51 V	138	64.5	40.8
4	*5180.00	89.0 AV			1.51 V	138	48.2	40.8
5	#10360.00	56.6 PK	68.2	-11.6	1.38 V	170	47.3	9.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	107.6 PK			1.06 H	187	66.8	40.8
2	*5200.00	91.5 AV			1.06 H	187	50.7	40.8
3	#10400.00	57.3 PK	68.2	-10.9	1.34 H	169	48.2	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	104.9 PK			1.48 V	142	64.1	40.8
2	*5200.00	89.0 AV			1.48 V	142	48.2	40.8
3	#10400.00	56.5 PK	68.2	-11.7	2.34 V	169	47.4	9.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	108.6 PK			1.00 H	191	67.9	40.7
2	*5240.00	91.7 AV			1.00 H	191	51.0	40.7
3	5350.00	54.7 PK	74.0	-19.3	1.00 H	191	51.9	2.8
4	5350.00	40.5 AV	54.0	-13.5	1.00 H	191	37.7	2.8
5	#10480.00	57.7 PK	68.2	-10.5	1.52 H	134	48.5	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	104.9 PK			1.49 V	140	64.2	40.7
2	*5240.00	88.9 AV			1.49 V	140	48.2	40.7
3	5350.00	53.0 PK	74.0	-21.0	1.49 V	140	50.2	2.8
4	5350.00	39.1 AV	54.0	-14.9	1.49 V	140	36.3	2.8
5	#10480.00	56.5 PK	68.2	-11.7	2.36 V	154	47.3	9.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.0 PK	74.0	-19.0	1.28 H	205	51.9	3.1
2	5150.00	41.1 AV	54.0	-12.9	1.28 H	205	38.0	3.1
3	*5260.00	108.8 PK			1.28 H	205	68.2	40.6
4	*5260.00	92.0 AV			1.28 H	205	51.4	40.6
5	#10520.00	57.3 PK	68.2	-10.9	1.64 H	135	48.1	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.8 PK	74.0	-20.2	1.51 V	138	50.7	3.1
2	5150.00	39.7 AV	54.0	-14.3	1.51 V	138	36.6	3.1
3	*5260.00	104.9 PK			1.51 V	138	64.3	40.6
4	*5260.00	88.9 AV			1.51 V	138	48.3	40.6
5	#10520.00	56.2 PK	68.2	-12.0	1.34 V	169	47.0	9.2

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	108.8 PK			1.26 H	202	68.4	40.4
2	*5300.00	92.1 AV			1.26 H	202	51.7	40.4
3	10600.00	57.3 PK	74.0	-16.7	1.64 H	268	48.2	9.1
4	10600.00	44.2 AV	54.0	-9.8	1.64 H	268	35.1	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	104.9 PK			1.56 V	141	64.5	40.4
2	*5300.00	88.8 AV			1.56 V	141	48.4	40.4
3	10600.00	56.7 PK	74.0	-17.3	1.84 V	157	47.6	9.1
4	10600.00	43.5 AV	54.0	-10.5	1.84 V	157	34.4	9.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	105.8 PK			1.07 H	288	65.4	40.4
2	*5320.00	90.4 AV			1.07 H	288	50.0	40.4
3	5350.00	54.1 PK	74.0	-19.9	1.07 H	288	51.3	2.8
4	5350.00	41.0 AV	54.0	-13.0	1.07 H	288	38.2	2.8
5	10640.00	57.5 PK	74.0	-16.5	1.84 H	157	48.4	9.1
6	10640.00	44.6 AV	54.0	-9.4	1.84 H	157	35.5	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	101.7 PK			1.51 V	138	61.3	40.4
2	*5320.00	86.8 AV			1.51 V	138	46.4	40.4
3	5350.00	53.2 PK	74.0	-20.8	1.51 V	138	50.4	2.8
4	5350.00	40.6 AV	54.0	-13.4	1.51 V	138	37.8	2.8
5	10640.00	56.5 PK	74.0	-17.5	1.85 V	236	47.4	9.1
6	10640.00	43.3 AV	54.0	-10.7	1.85 V	236	34.2	9.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.9 PK	74.0	-20.1	1.31 H	205	50.9	3.0
2	5460.00	41.2 AV	54.0	-12.8	1.31 H	205	38.2	3.0
3	#5470.00	55.2 PK	68.2	-13.0	1.31 H	205	52.1	3.1
4	*5500.00	106.9 PK			1.31 H	205	65.9	41.0
5	*5500.00	88.3 AV			1.31 H	205	47.3	41.0
6	11000.00	57.7 PK	74.0	-16.3	1.34 H	256	48.6	9.1
7	11000.00	44.4 AV	54.0	-9.6	1.34 H	256	35.3	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.1 PK	74.0	-20.9	1.45 V	136	50.1	3.0
2	5460.00	40.4 AV	54.0	-13.6	1.45 V	136	37.4	3.0
3	#5470.00	54.7 PK	68.2	-13.5	1.45 V	136	51.6	3.1
4	*5500.00	103.1 PK			1.45 V	136	62.1	41.0
5	*5500.00	85.2 AV			1.45 V	136	44.2	41.0
6	11000.00	56.7 PK	74.0	-17.3	1.22 V	254	47.6	9.1
7	11000.00	43.6 AV	54.0	-10.4	1.22 V	254	34.5	9.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	107.0 PK			1.29 H	200	65.7	41.3
2	*5580.00	88.8 AV			1.29 H	200	47.5	41.3
3	11160.00	58.2 PK	74.0	-15.8	1.35 H	281	48.6	9.6
4	11160.00	45.2 AV	54.0	-8.8	1.35 H	281	35.6	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	103.6 PK			1.48 V	140	62.3	41.3
2	*5580.00	85.8 AV			1.48 V	140	44.5	41.3
3	11160.00	57.2 PK	74.0	-16.8	1.55 V	287	47.6	9.6
4	11160.00	44.4 AV	54.0	-9.6	1.55 V	287	34.8	9.6

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	102.1 PK			1.16 H	194	60.1	42.0
2	*5700.00	83.0 AV			1.16 H	194	41.0	42.0
3	#5725.00	56.1 PK	68.2	-12.1	1.16 H	194	51.6	4.5
4	11400.00	58.1 PK	74.0	-15.9	1.84 H	165	48.2	9.9
5	11400.00	45.5 AV	54.0	-8.5	1.84 H	165	35.6	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	101.5 PK			1.46 V	138	59.5	42.0
2	*5700.00	82.2 AV			1.46 V	138	40.2	42.0
3	#5725.00	54.7 PK	68.2	-13.5	1.46 V	138	50.2	4.5
4	11400.00	57.4 PK	74.0	-16.6	1.84 V	163	47.5	9.9
5	11400.00	44.2 AV	54.0	-9.8	1.84 V	163	34.3	9.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	54.9 PK	68.2	-13.3	1.00 H	226	51.8	3.1
2	*5720.00	102.5 PK			1.00 H	226	60.4	42.1
3	*5720.00	86.4 AV			1.00 H	226	44.3	42.1
4	11440.00	58.5 PK	74.0	-15.5	1.84 H	152	48.6	9.9
5	11440.00	45.5 AV	54.0	-8.5	1.84 H	152	35.6	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	53.3 PK	68.2	-14.9	1.48 V	139	50.2	3.1
2	*5720.00	101.3 PK			1.48 V	139	59.2	42.1
3	*5720.00	85.2 AV			1.48 V	139	43.1	42.1
4	11440.00	57.4 PK	74.0	-16.6	1.36 V	221	47.5	9.9
5	11440.00	44.1 AV	54.0	-9.9	1.36 V	221	34.2	9.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.12	54.1 PK	68.2	-14.1	1.00 H	173	50.2	3.9
2	*5745.00	103.9 PK			1.00 H	173	61.6	42.3
3	*5745.00	87.0 AV			1.00 H	173	44.7	42.3
4	#5993.96	54.9 PK	68.2	-13.3	1.00 H	173	50.3	4.6
5	11490.00	58.5 PK	74.0	-15.5	1.85 H	236	48.6	9.9
6	11490.00	45.5 AV	54.0	-8.5	1.85 H	236	35.6	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.52	54.4 PK	68.2	-13.8	1.02 V	185	50.3	4.1
2	*5745.00	102.4 PK			1.02 V	185	60.1	42.3
3	*5745.00	85.5 AV			1.02 V	185	43.2	42.3
4	#5938.23	53.8 PK	68.2	-14.4	1.02 V	185	49.1	4.7
5	11490.00	57.1 PK	74.0	-16.9	1.67 V	184	47.2	9.9
6	11490.00	44.3 AV	54.0	-9.7	1.67 V	184	34.4	9.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.04	53.7 PK	68.2	-14.5	1.03 H	181	49.8	3.9
2	*5785.00	104.2 PK			1.03 H	181	61.8	42.4
3	*5785.00	87.6 AV			1.03 H	181	45.2	42.4
4	#5942.75	55.0 PK	68.2	-13.2	1.03 H	181	50.3	4.7
5	11570.00	58.1 PK	74.0	-15.9	1.24 H	163	48.6	9.5
6	11570.00	44.9 AV	54.0	-9.1	1.24 H	163	35.4	9.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.28	53.2 PK	68.2	-15.0	1.45 V	139	49.4	3.8
2	*5785.00	102.9 PK			1.45 V	139	60.5	42.4
3	*5785.00	85.9 AV			1.45 V	139	43.5	42.4
4	#5948.87	54.1 PK	68.2	-14.1	1.45 V	139	49.4	4.7
5	11570.00	56.9 PK	74.0	-17.1	4.00 V	295	47.4	9.5
6	11570.00	44.1 AV	54.0	-9.9	4.00 V	295	34.6	9.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	24.8 °C, 75.8 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5629.56	54.0 PK	68.2	-14.2	1.02 H	178	50.1	3.9
2	*5825.00	104.6 PK			1.02 H	178	62.1	42.5
3	*5825.00	87.9 AV			1.02 H	178	45.4	42.5
4	#5956.28	55.0 PK	68.2	-13.2	1.02 H	178	50.4	4.6
5	11650.00	58.2 PK	74.0	-15.8	1.55 H	254	48.6	9.6
6	11650.00	45.3 AV	54.0	-8.7	1.55 H	254	35.7	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.80	53.8 PK	68.2	-14.4	1.48 V	139	49.8	4.0
2	*5825.00	103.1 PK			1.48 V	139	60.6	42.5
3	*5825.00	86.0 AV			1.48 V	139	43.5	42.5
4	#5938.63	54.5 PK	68.2	-13.7	1.48 V	139	49.8	4.7
5	11650.00	57.1 PK	74.0	-16.9	1.45 V	125	47.5	9.6
6	11650.00	44.2 AV	54.0	-9.8	1.45 V	125	34.6	9.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.3 PK	74.0	-12.7	1.21 H	278	58.2	3.1
2	5150.00	43.2 AV	54.0	-10.8	1.21 H	278	40.1	3.1
3	*5190.00	105.5 PK			1.21 H	278	64.7	40.8
4	*5190.00	88.7 AV			1.21 H	278	47.9	40.8
5	#10380.00	57.7 PK	68.2	-10.5	1.64 H	128	48.5	9.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.9 PK	74.0	-14.1	2.21 V	170	56.8	3.1
2	5150.00	42.7 AV	54.0	-11.3	2.21 V	170	39.6	3.1
3	*5190.00	104.1 PK			2.21 V	170	63.3	40.8
4	*5190.00	87.1 AV			2.21 V	170	46.3	40.8
5	#10380.00	56.5 PK	68.2	-11.7	1.64 V	178	47.3	9.2

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.0 PK			1.00 H	254	64.4	40.6
2	*5230.00	88.2 AV			1.00 H	254	47.6	40.6
3	5350.00	53.3 PK	74.0	-20.7	1.00 H	254	50.5	2.8
4	5350.00	40.5 AV	54.0	-13.5	1.00 H	254	37.7	2.8
5	#10460.00	57.7 PK	68.2	-10.5	1.87 H	147	48.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	103.8 PK			2.16 V	167	63.2	40.6
2	*5230.00	87.1 AV			2.16 V	167	46.5	40.6
3	5350.00	52.1 PK	74.0	-21.9	2.16 V	167	49.3	2.8
4	5350.00	39.0 AV	54.0	-15.0	2.16 V	167	36.2	2.8
5	#10460.00	56.5 PK	68.2	-11.7	1.85 V	254	47.4	9.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.2 PK	74.0	-19.8	1.01 H	277	51.1	3.1
2	5150.00	41.0 AV	54.0	-13.0	1.01 H	277	37.9	3.1
3	*5270.00	106.1 PK			1.01 H	277	65.6	40.5
4	*5270.00	88.6 AV			1.01 H	277	48.1	40.5
5	#10540.00	57.7 PK	68.2	-10.5	1.64 H	234	48.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.3 PK	74.0	-20.7	2.19 V	169	50.2	3.1
2	5150.00	39.8 AV	54.0	-14.2	2.19 V	169	36.7	3.1
3	*5270.00	104.9 PK			2.19 V	169	64.4	40.5
4	*5270.00	87.8 AV			2.19 V	169	47.3	40.5
5	#10540.00	56.6 PK	68.2	-11.6	2.36 V	251	47.5	9.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.6 PK			1.00 H	302	65.2	40.4
2	*5310.00	89.5 AV			1.00 H	302	49.1	40.4
3	5350.00	62.8 PK	74.0	-11.2	1.00 H	302	60.0	2.8
4	5350.00	44.5 AV	54.0	-9.5	1.00 H	302	41.7	2.8
5	10620.00	57.6 PK	74.0	-16.4	1.34 H	360	48.5	9.1
6	10620.00	44.8 AV	54.0	-9.2	1.34 H	360	35.7	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	104.5 PK			2.19 V	172	64.1	40.4
2	*5310.00	50.9 AV			2.19 V	172	48.2	2.7
3	5350.00	61.6 PK	74.0	-12.4	2.19 V	172	58.8	2.8
4	5350.00	43.2 AV	54.0	-10.8	2.19 V	172	40.4	2.8
5	10620.00	56.4 PK	74.0	-17.6	1.88 V	274	47.3	9.1
6	10620.00	43.7 AV	54.0	-10.3	1.88 V	274	34.6	9.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.1 PK	74.0	-18.9	1.00 H	311	52.1	3.0
2	5460.00	41.5 AV	54.0	-12.5	1.00 H	311	38.5	3.0
3	#5470.00	57.4 PK	68.2	-10.8	1.00 H	311	54.3	3.1
4	*5510.00	105.5 PK			1.00 H	311	64.5	41.0
5	*5510.00	88.1 AV			1.00 H	311	47.1	41.0
6	11020.00	57.5 PK	74.0	-16.5	1.64 H	254	48.4	9.1
7	11020.00	44.8 AV	54.0	-9.2	1.64 H	254	35.7	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.2 PK	74.0	-19.8	2.23 V	175	51.2	3.0
2	5460.00	40.4 AV	54.0	-13.6	2.23 V	175	37.4	3.0
3	#5470.00	56.4 PK	68.2	-11.8	2.23 V	175	53.3	3.1
4	*5510.00	104.2 PK			2.23 V	175	63.2	41.0
5	*5510.00	87.3 AV			2.23 V	175	46.3	41.0
6	11020.00	56.6 PK	74.0	-17.4	2.51 V	48	47.5	9.1
7	11020.00	43.4 AV	54.0	-10.6	2.51 V	48	34.3	9.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	105.7 PK			1.01 H	310	64.5	41.2
2	*5550.00	88.4 AV			1.01 H	310	47.2	41.2
3	11100.00	58.0 PK	74.0	-16.0	1.85 H	263	48.6	9.4
4	11100.00	45.1 AV	54.0	-8.9	1.85 H	263	35.7	9.4
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	*5550.00	104.5 PK			2.19 V	166	63.3	41.2
2	*5550.00	87.3 AV			2.19 V	166	46.1	41.2
3	11100.00	56.8 PK	74.0	-17.2	1.94 V	274	47.4	9.4
4	11100.00	44.0 AV	54.0	-10.0	1.94 V	274	34.6	9.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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			1.05 H	276	62.9	41.9
2	*5670.00	87.8 AV			1.05 H	276	45.9	41.9
3	#5725.00	55.7 PK	68.2	-12.5	1.05 H	276	51.2	4.5
4	11340.00	58.5 PK	74.0	-15.5	2.24 H	158	48.5	10.0
5	11340.00	45.8 AV	54.0	-8.2	2.24 H	158	35.8	10.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	103.5 PK			2.25 V	172	61.6	41.9
2	*5670.00	86.6 AV			2.25 V	172	44.7	41.9
3	#5725.00	54.9 PK	68.2	-13.3	2.25 V	172	50.4	4.5
4	11340.00	57.6 PK	74.0	-16.4	1.98 V	175	47.6	10.0
5	11340.00	44.3 AV	54.0	-9.7	1.98 V	175	34.3	10.0

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	55.9 PK	68.2	-12.3	2.30 H	292	52.8	3.1
2	*5710.00	106.1 PK			2.30 H	292	64.0	42.1
3	*5710.00	88.5 AV			2.30 H	292	46.4	42.1
4	11420.00	58.4 PK	74.0	-15.6	1.84 H	178	48.6	9.8
5	11420.00	45.4 AV	54.0	-8.6	1.84 H	178	35.6	9.8
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	54.5 PK	68.2	-13.7	2.21 V	174	51.4	3.1
2	*5710.00	105.2 PK			2.21 V	174	63.1	42.1
3	*5710.00	87.7 AV			2.21 V	174	45.6	42.1
4	11420.00	57.3 PK	74.0	-16.7	1.34 V	187	47.5	9.8
5	11420.00	44.3 AV	54.0	-9.7	1.34 V	187	34.5	9.8

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, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.32	54.2 PK	68.2	-14.0	2.34 H	291	50.4	3.8
2	*5755.00	105.9 PK			2.34 H	291	63.6	42.3
3	*5755.00	89.9 AV			2.34 H	291	47.6	42.3
4	#5941.15	54.6 PK	68.2	-13.6	2.34 H	291	49.9	4.7
5	11510.00	58.3 PK	74.0	-15.7	2.25 H	145	48.6	9.7
6	11510.00	45.3 AV	54.0	-8.7	2.25 H	145	35.6	9.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.52	52.1 PK	68.2	-16.1	2.23 V	178	48.1	4.0
2	*5755.00	104.5 PK			2.23 V	178	62.2	42.3
3	*5755.00	88.8 AV			2.23 V	178	46.5	42.3
4	#5965.36	54.0 PK	68.2	-14.2	2.23 V	178	49.4	4.6
5	11510.00	57.0 PK	74.0	-17.0	1.44 V	45	47.3	9.7
6	11510.00	44.3 AV	54.0	-9.7	1.44 V	45	34.6	9.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	27.3 °C, 74.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5619.36	54.0 PK	68.2	-14.2	2.35 H	301	50.2	3.8
2	*5795.00	106.2 PK			2.35 H	301	63.8	42.4
3	*5795.00	90.5 AV			2.35 H	301	48.1	42.4
4	#5990.92	56.5 PK	68.2	-11.7	2.35 H	301	51.9	4.6
5	11590.00	58.0 PK	74.0	-16.0	1.59 H	64	48.5	9.5
6	11590.00	45.0 AV	54.0	-9.0	1.59 H	64	35.5	9.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.92	52.8 PK	68.2	-15.4	2.19 V	172	48.7	4.1
2	*5795.00	104.8 PK			2.19 V	172	62.4	42.4
3	*5795.00	88.8 AV			2.19 V	172	46.4	42.4
4	#5963.36	54.4 PK	68.2	-13.8	2.19 V	172	49.8	4.6
5	11590.00	57.0 PK	74.0	-17.0	1.23 V	145	47.5	9.5
6	11590.00	43.7 AV	54.0	-10.3	1.23 V	145	34.2	9.5

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22.3 °C, 78.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.6 PK	74.0	-18.4	1.14 H	205	52.5	3.1
2	5150.00	41.9 AV	54.0	-12.1	1.14 H	205	38.8	3.1
3	*5210.00	103.4 PK			1.14 H	205	62.7	40.7
4	*5210.00	84.7 AV			1.14 H	205	44.0	40.7
5	5350.00	53.7 PK	74.0	-20.3	1.14 H	205	50.9	2.8
6	5350.00	40.5 AV	54.0	-13.5	1.14 H	205	37.7	2.8
7	#10420.00	57.7 PK	68.2	-10.5	1.34 H	168	48.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.9 PK	74.0	-19.1	3.80 V	199	51.8	3.1
2	5150.00	41.0 AV	54.0	-13.0	3.80 V	199	37.9	3.1
3	*5210.00	99.1 PK			3.80 V	199	58.4	40.7
4	*5210.00	83.3 AV			3.80 V	199	42.6	40.7
5	5350.00	52.0 PK	74.0	-22.0	3.80 V	199	49.2	2.8
6	5350.00	39.7 AV	54.0	-14.3	3.80 V	199	36.9	2.8
7	#10420.00	56.6 PK	68.2	-11.6	2.35 V	145	47.5	9.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22.3 °C, 78.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.3 PK	74.0	-19.7	1.02 H	206	51.2	3.1
2	5150.00	40.9 AV	54.0	-13.1	1.02 H	206	37.8	3.1
3	*5290.00	103.3 PK			1.02 H	206	62.8	40.5
4	*5290.00	87.0 AV			1.02 H	206	46.5	40.5
5	5350.00	58.5 PK	74.0	-15.5	1.02 H	206	55.7	2.8
6	5350.00	43.9 AV	54.0	-10.1	1.02 H	206	41.1	2.8
7	#10580.00	57.7 PK	68.2	-10.5	2.35 H	154	48.6	9.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.3 PK	74.0	-20.7	3.69 V	202	50.2	3.1
2	5150.00	39.9 AV	54.0	-14.1	3.69 V	202	36.8	3.1
3	*5290.00	99.0 PK			3.69 V	202	58.5	40.5
4	*5290.00	82.8 AV			3.69 V	202	42.3	40.5
5	5350.00	57.3 PK	74.0	-16.7	3.69 V	202	54.5	2.8
6	5350.00	43.1 AV	54.0	-10.9	3.69 V	202	40.3	2.8
7	#10580.00	56.7 PK	68.2	-11.5	1.78 V	145	47.6	9.1

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22.3 °C, 78.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.9 PK	74.0	-17.1	1.00 H	205	53.9	3.0
2	5460.00	42.5 AV	54.0	-11.5	1.00 H	205	39.5	3.0
3	#5470.00	57.4 PK	68.2	-10.8	1.00 H	205	54.3	3.1
4	*5530.00	101.8 PK			1.00 H	205	60.7	41.1
5	*5530.00	82.7 AV			1.00 H	205	41.6	41.1
6	11060.00	57.9 PK	74.0	-16.1	2.15 H	145	48.6	9.3
7	11060.00	45.0 AV	54.0	-9.0	2.15 H	145	35.7	9.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.3 PK	74.0	-18.7	3.72 V	204	52.3	3.0
2	5460.00	41.4 AV	54.0	-12.6	3.72 V	204	38.4	3.0
3	#5470.00	56.3 PK	68.2	-11.9	3.72 V	204	53.2	3.1
4	*5530.00	96.7 PK			3.72 V	204	55.6	41.1
5	*5530.00	77.8 AV			3.72 V	204	36.7	41.1
6	11060.00	56.7 PK	74.0	-17.3	2.32 V	111	47.4	9.3
7	11060.00	43.9 AV	54.0	-10.1	2.32 V	111	34.6	9.3

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22.3 °C, 78.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	100.7 PK			1.19 H	188	59.3	41.4
2	*5610.00	86.0 AV			1.19 H	188	44.6	41.4
3	#5725.00	56.4 PK	68.2	-11.8	1.19 H	188	51.9	4.5
4	11220.00	58.3 PK	74.0	-15.7	1.39 H	66	48.5	9.8
5	11220.00	45.3 AV	54.0	-8.7	1.39 H	66	35.5	9.8
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	*5610.00	95.7 PK			3.69 V	197	54.3	41.4
2	*5610.00	81.3 AV			3.69 V	197	39.9	41.4
3	#5725.00	55.3 PK	68.2	-12.9	3.69 V	197	50.8	4.5
4	11220.00	57.4 PK	74.0	-16.6	2.39 V	225	47.6	9.8
5	11220.00	44.1 AV	54.0	-9.9	2.39 V	225	34.3	9.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22.3 °C, 78.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	53.9 PK	68.2	-14.3	1.25 H	196	50.8	3.1
2	*5690.00	100.2 PK			1.25 H	196	58.2	42.0
3	*5690.00	84.8 AV			1.25 H	196	42.8	42.0
4	11380.00	58.5 PK	74.0	-15.5	2.14 H	241	48.6	9.9
5	11380.00	45.4 AV	54.0	-8.6	2.14 H	241	35.5	9.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5470.00	52.7 PK	68.2	-15.5	3.66 V	195	49.6	3.1
2	*5690.00	95.3 PK			3.66 V	195	53.3	42.0
3	*5690.00	79.7 AV			3.66 V	195	37.7	42.0
4	11380.00	57.2 PK	74.0	-16.8	2.14 V	158	47.3	9.9
5	11380.00	44.2 AV	54.0	-9.8	2.14 V	158	34.3	9.9

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22.3 °C, 78.3 % RH
Tested By	Ian Chang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.32	56.0 PK	68.2	-12.2	2.27 H	215	51.9	4.1
2	*5775.00	100.6 PK			2.27 H	215	58.2	42.4
3	*5775.00	84.6 AV			2.27 H	215	42.2	42.4
4	#5938.83	56.1 PK	68.2	-12.1	2.27 H	215	51.4	4.7
5	11550.00	58.2 PK	74.0	-15.8	2.58 H	145	48.6	9.6
6	11550.00	45.3 AV	54.0	-8.7	2.58 H	145	35.7	9.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5612.64	54.7 PK	68.2	-13.5	3.77 V	206	50.9	3.8
2	*5775.00	95.8 PK			3.77 V	206	53.4	42.4
3	*5775.00	80.2 AV			3.77 V	206	37.8	42.4
4	#5925.63	54.9 PK	68.2	-13.3	3.77 V	206	50.2	4.7
5	11550.00	57.0 PK	74.0	-17.0	2.84 V	156	47.4	9.6
6	11550.00	44.2 AV	54.0	-9.8	2.84 V	156	34.6	9.6

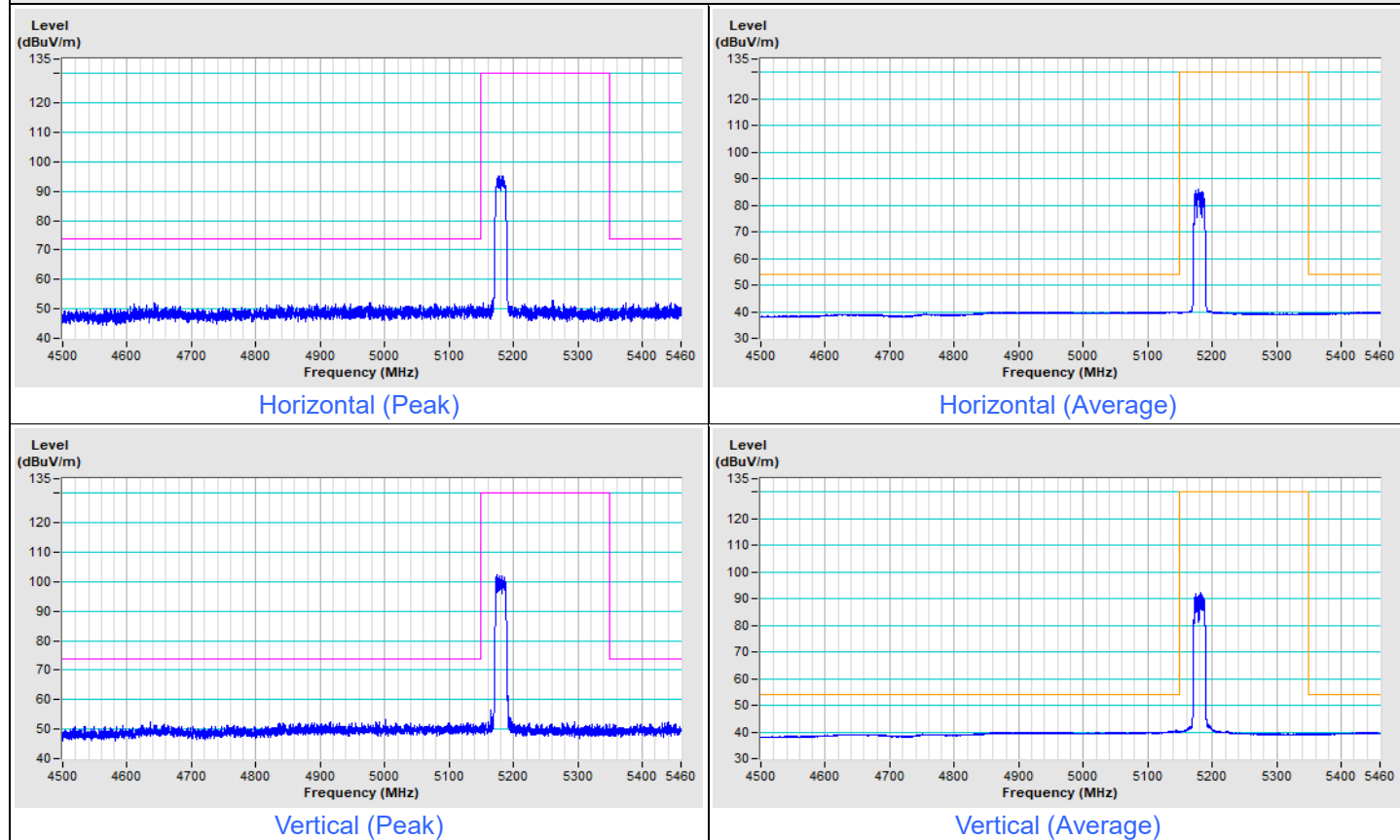
Remarks:

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

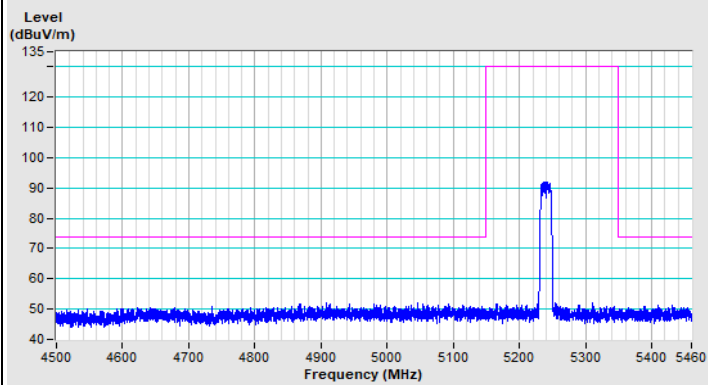
Plot of Band Edge_Mode A

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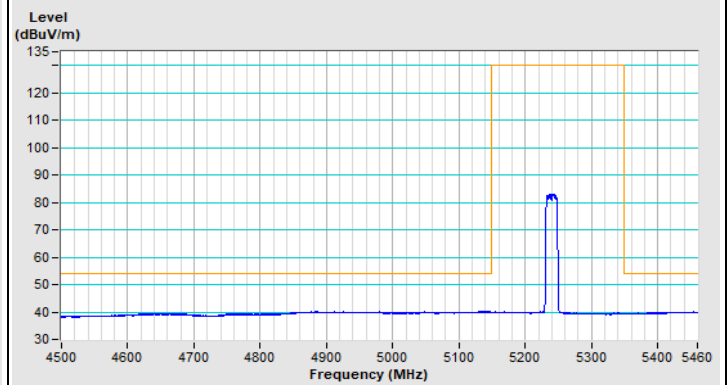
802.11a Channel 36



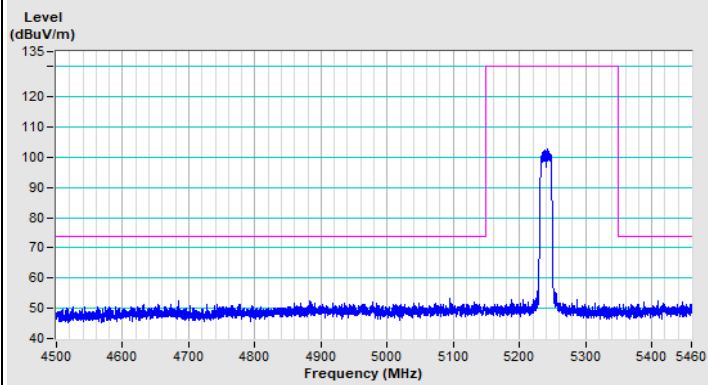
802.11a Channel 48



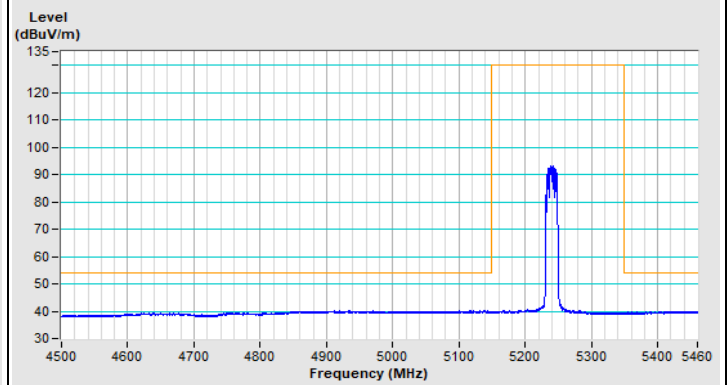
Horizontal (Peak)



Horizontal (Average)

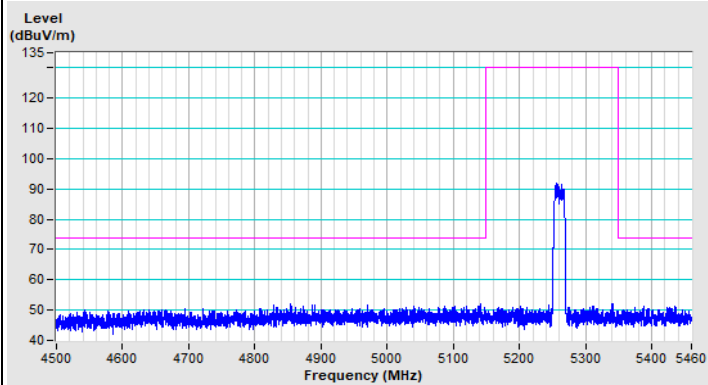


Vertical (Peak)

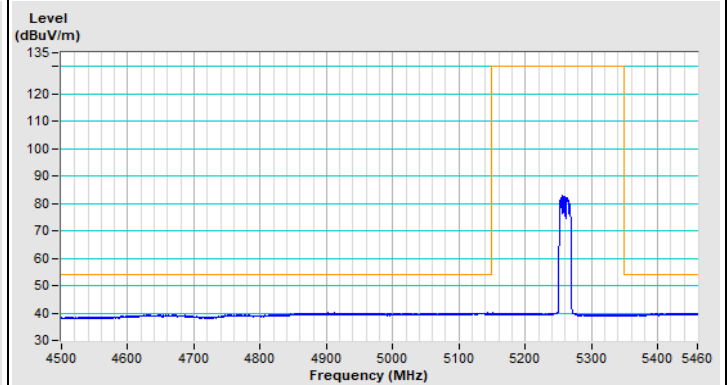


Vertical (Average)

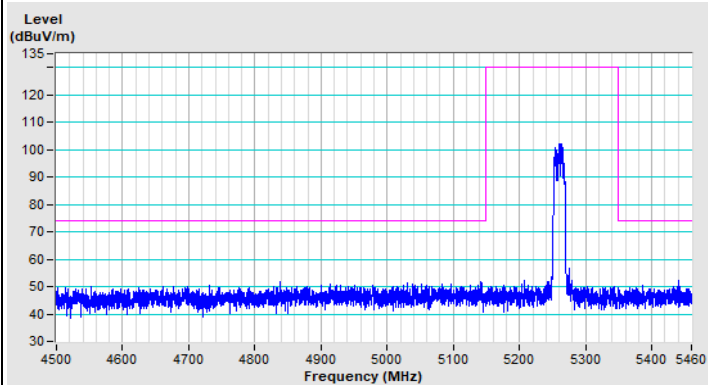
802.11a Channel 52



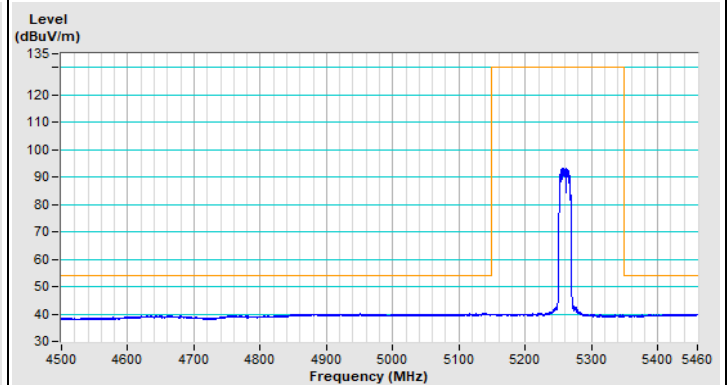
Horizontal (Peak)



Horizontal (Average)

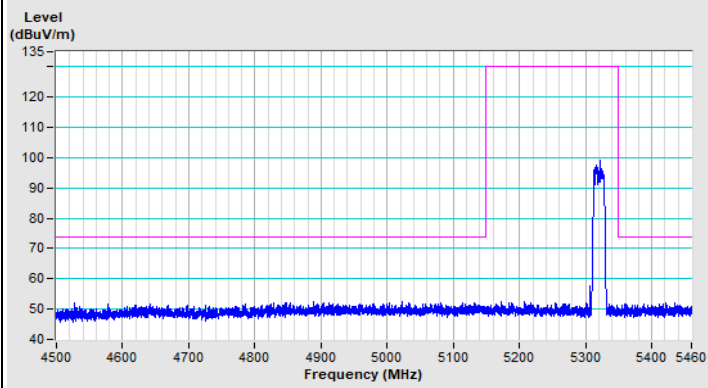


Vertical (Peak)

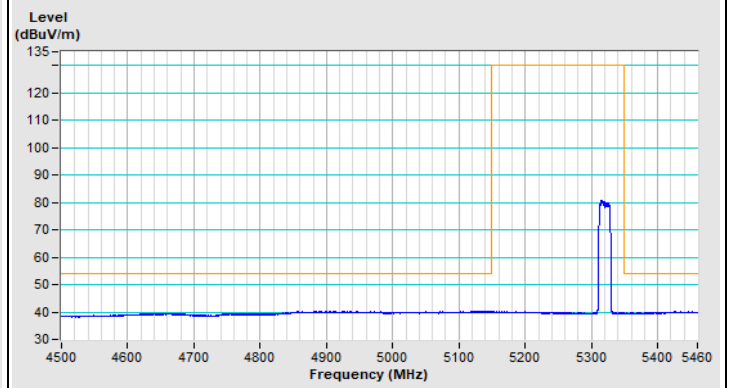


Vertical (Average)

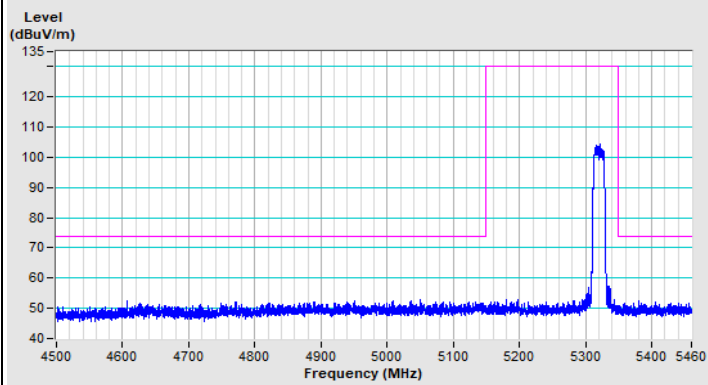
802.11a Channel 64



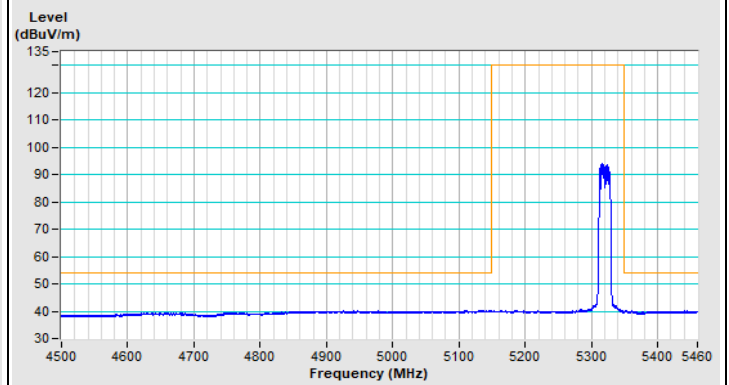
Horizontal (Peak)



Horizontal (Average)



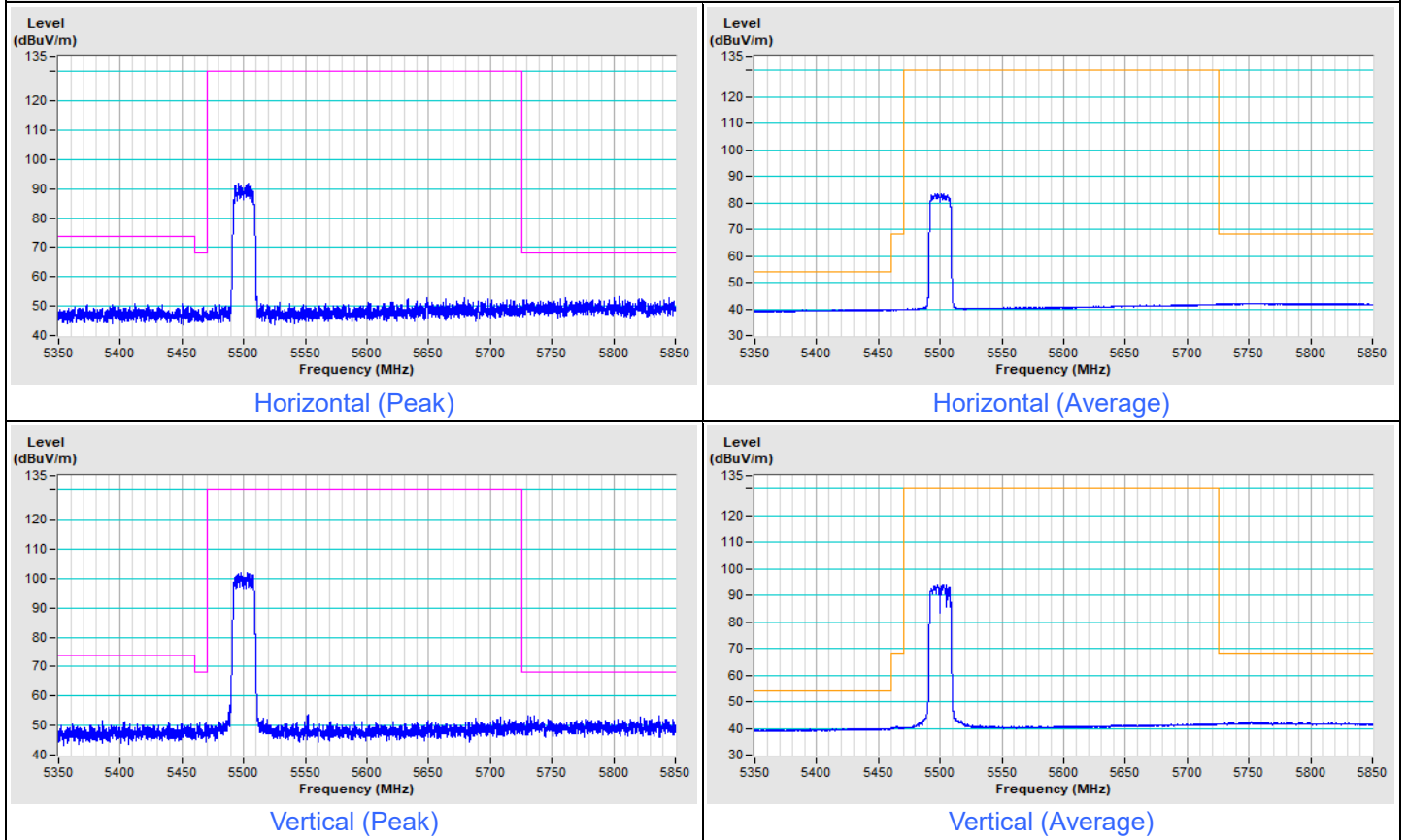
Vertical (Peak)



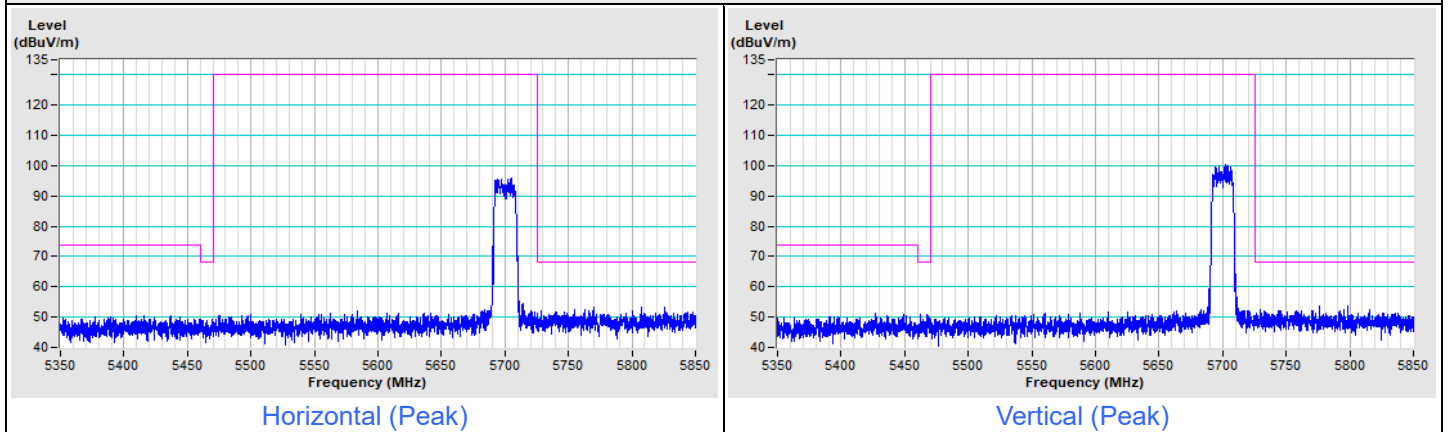
Vertical (Average)

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

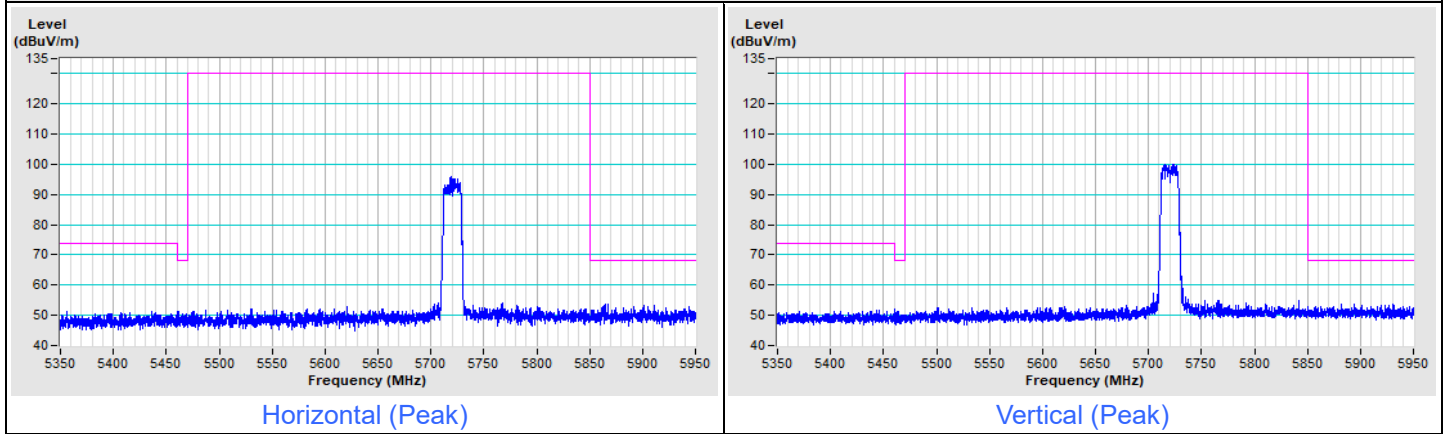


802.11a Channel 140



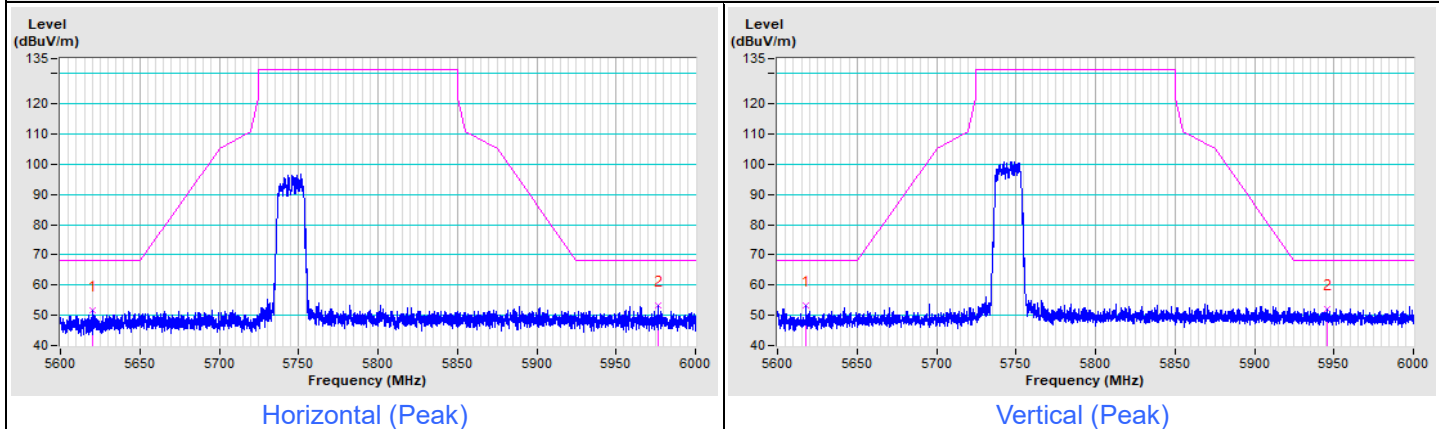
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11a Channel 144

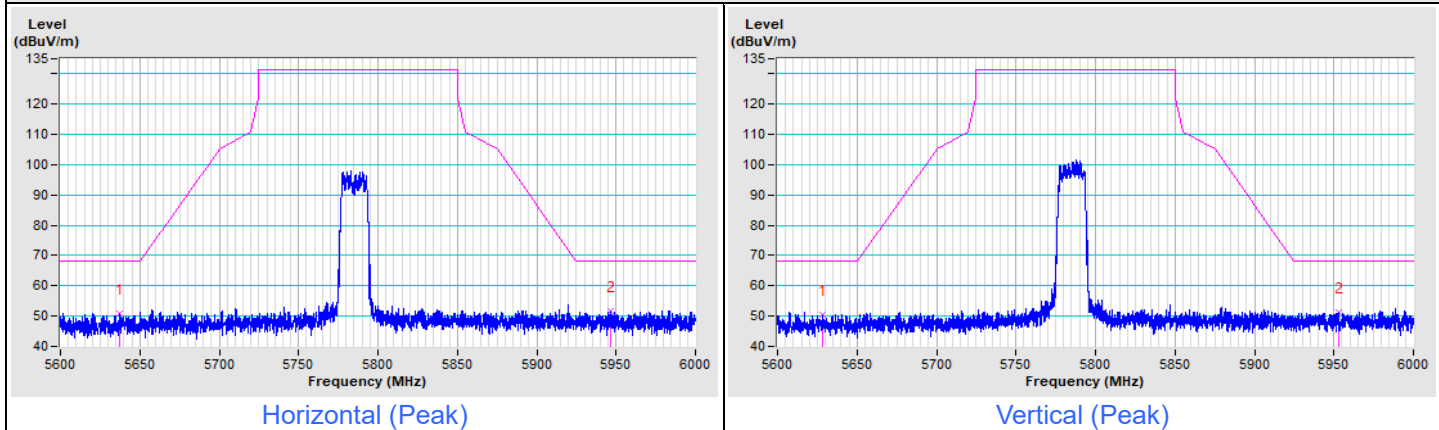


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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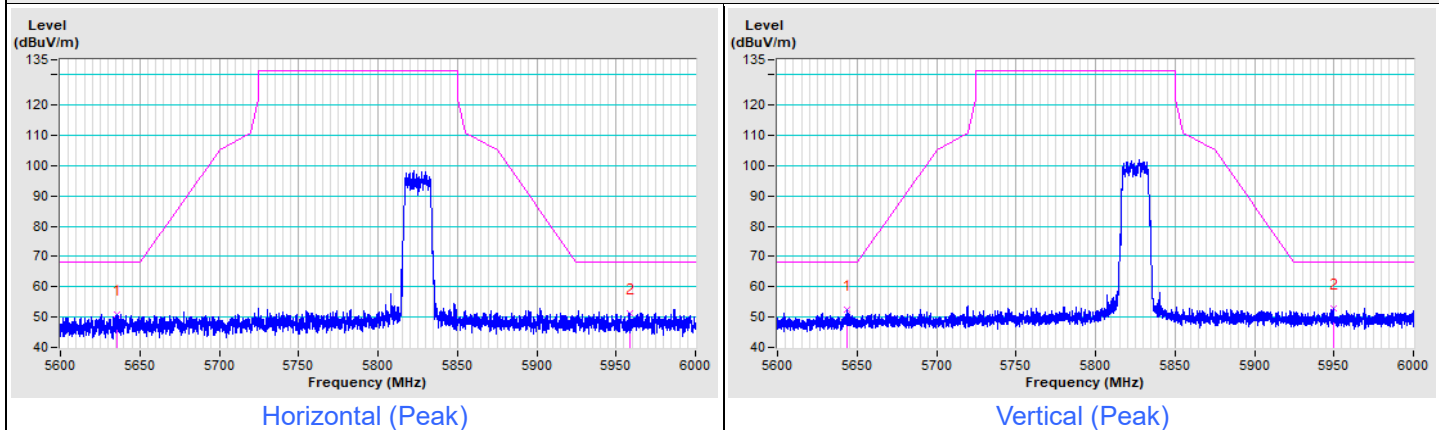
802.11a Channel 149



802.11a Channel 157

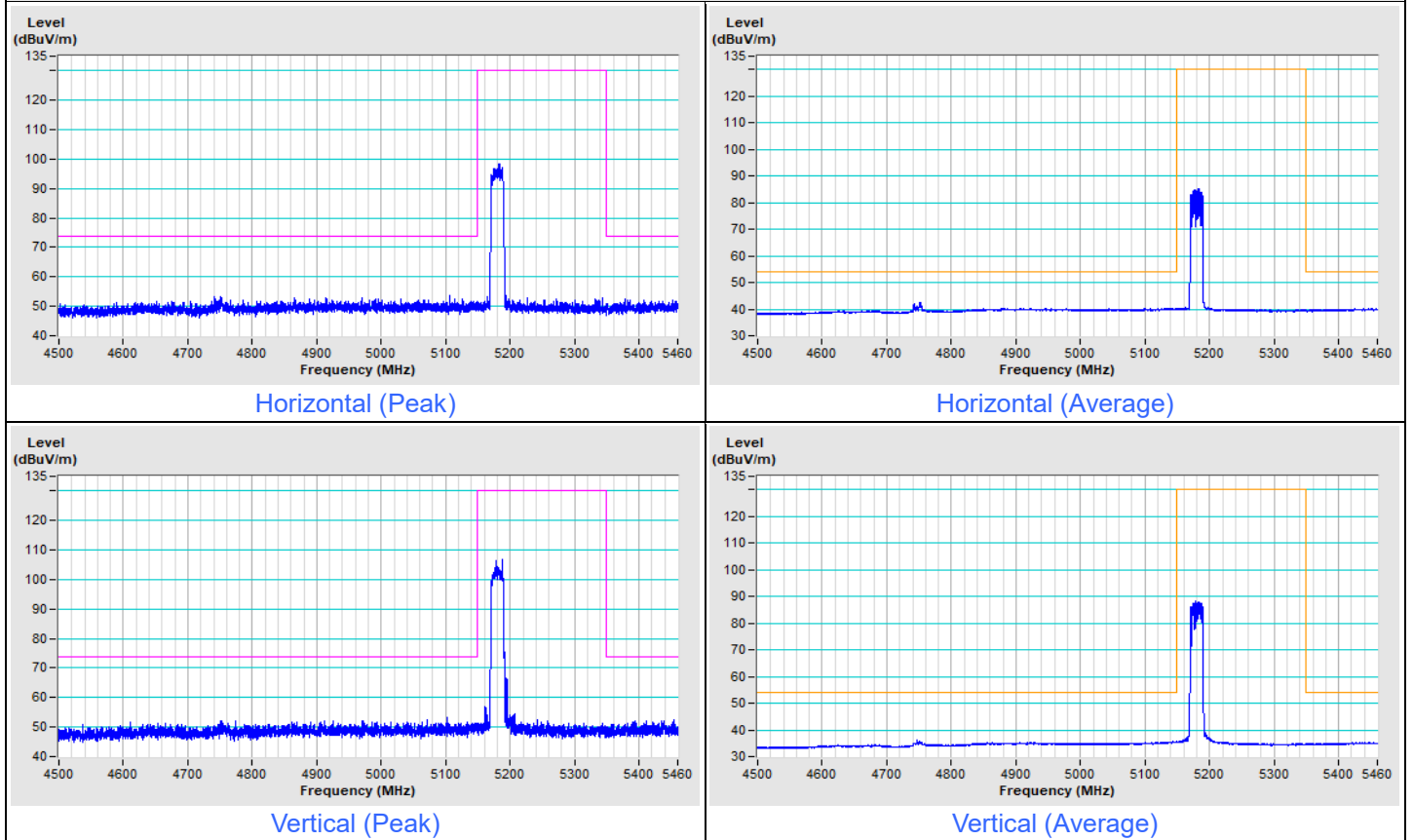


802.11a Channel 165

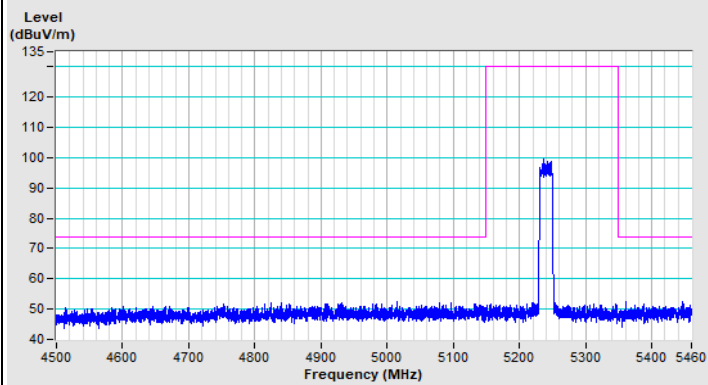


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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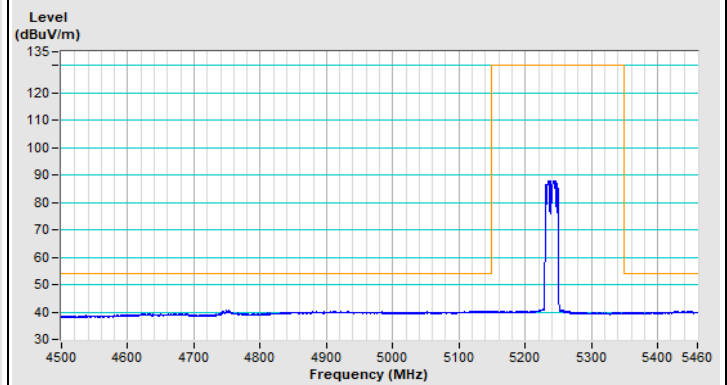
802.11ax (HE20) Channel 36



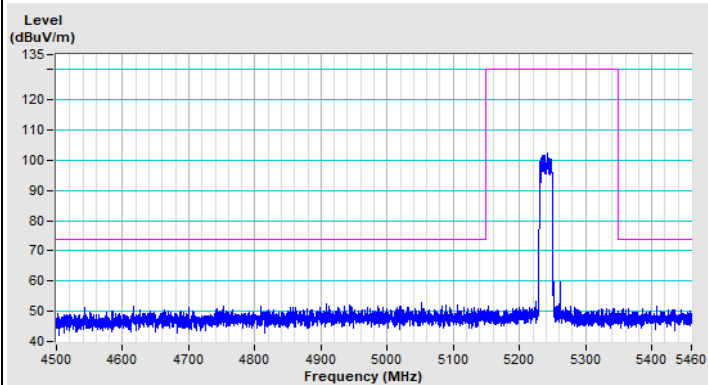
802.11ax (HE20) Channel 48



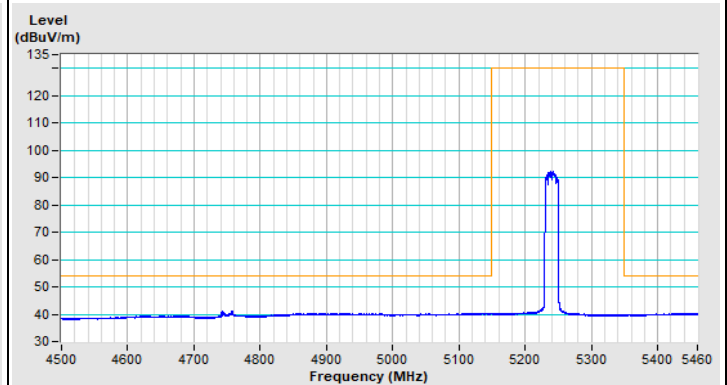
Horizontal (Peak)



Horizontal (Average)

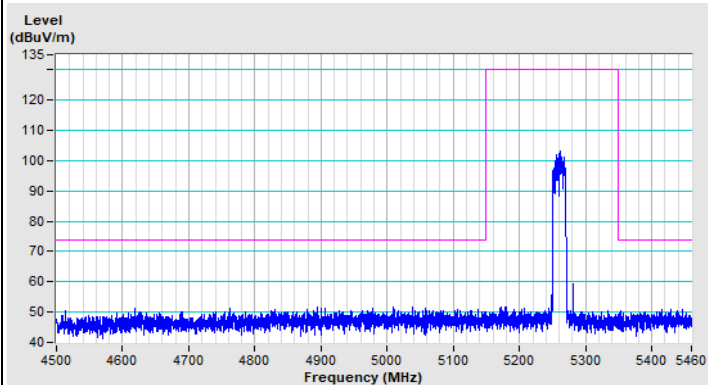


Vertical (Peak)

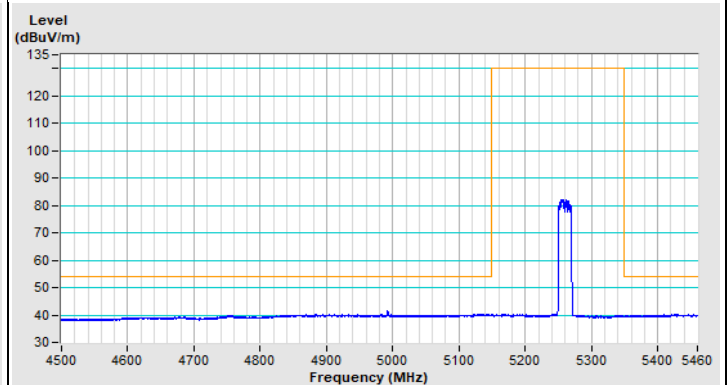


Vertical (Average)

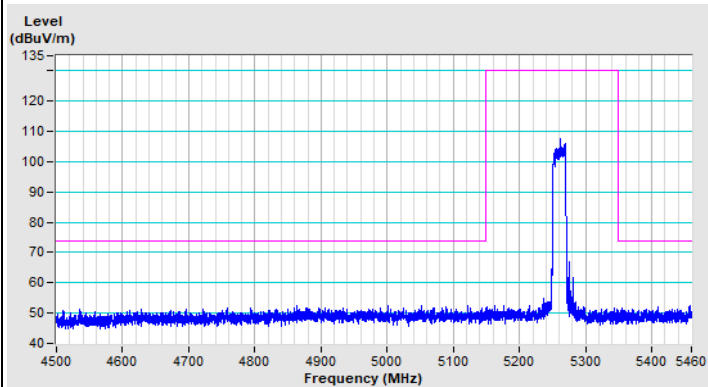
802.11ax (HE20) Channel 52



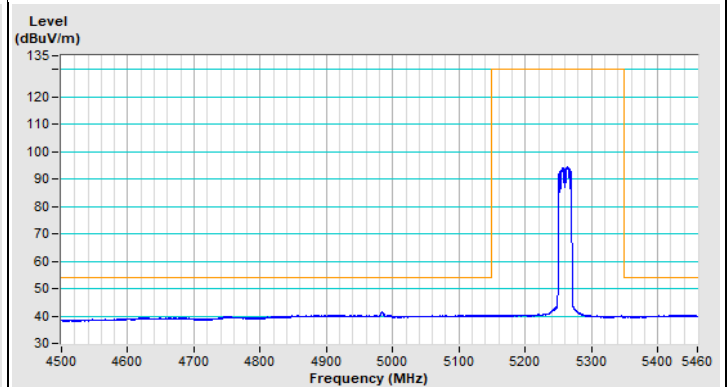
Horizontal (Peak)



Horizontal (Average)

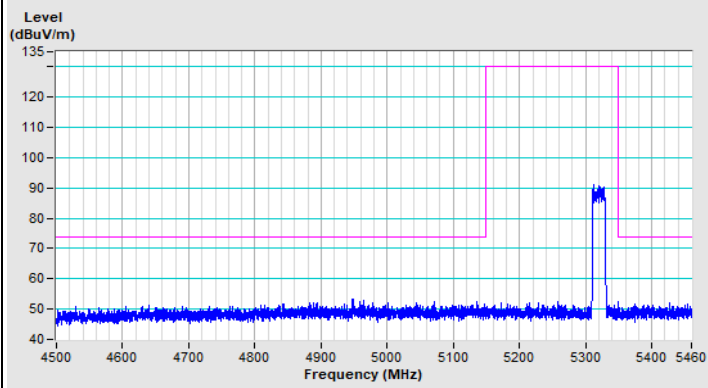


Vertical (Peak)

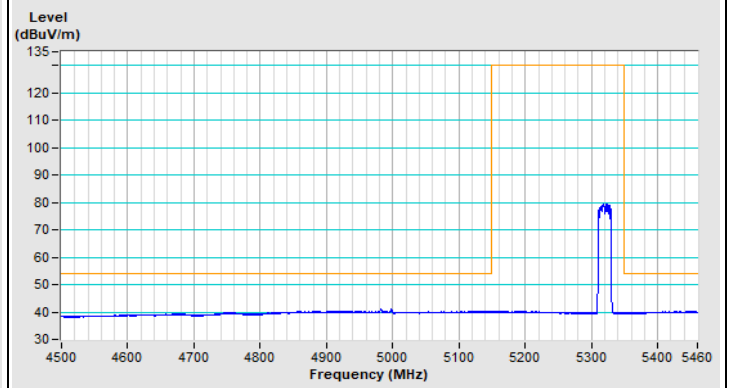


Vertical (Average)

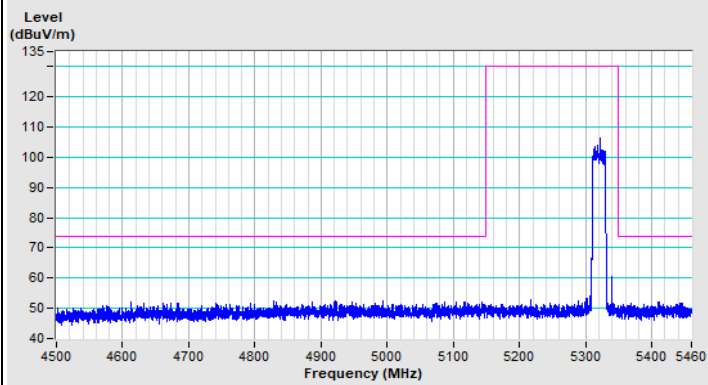
802.11ax (HE20) Channel 64



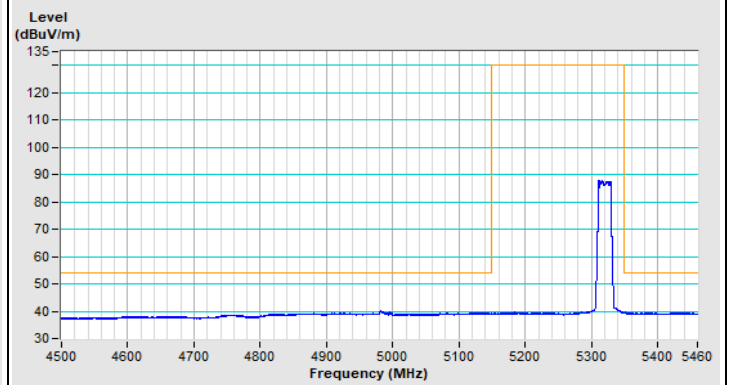
Horizontal (Peak)



Horizontal (Average)



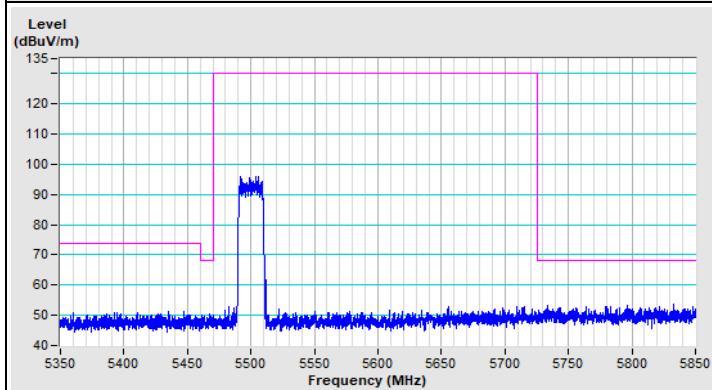
Vertical (Peak)



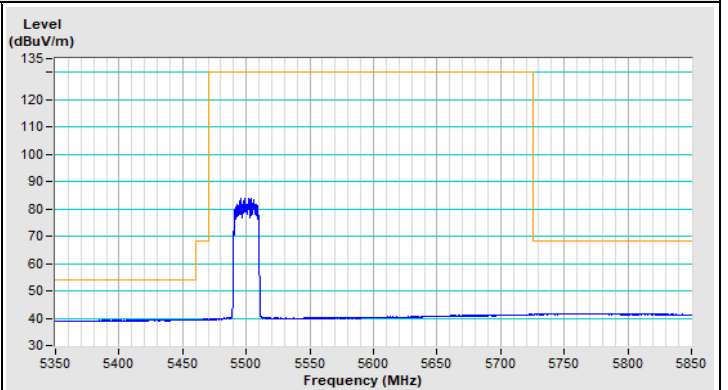
Vertical (Average)

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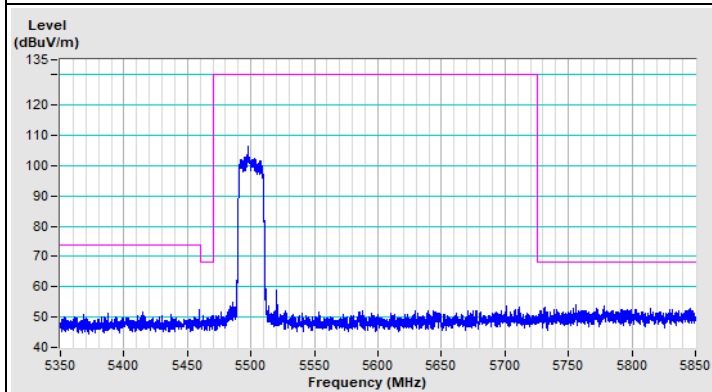
802.11ax (HE20) Channel 100



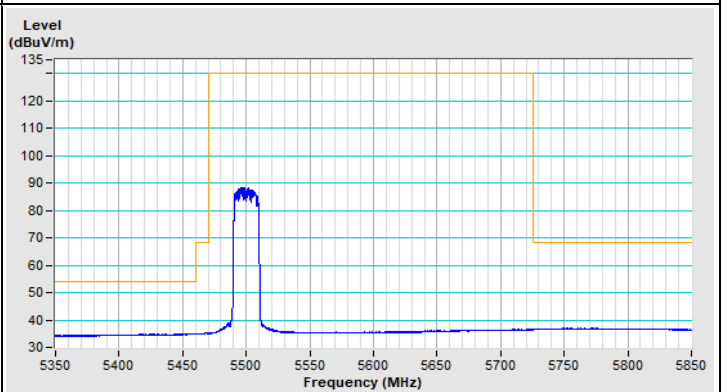
Horizontal (Peak)



Horizontal (Average)

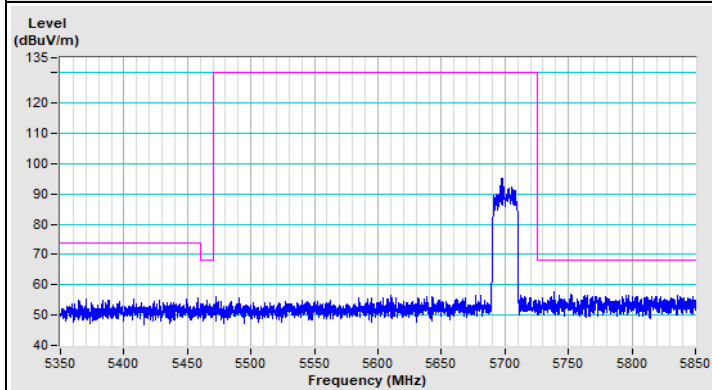


Vertical (Peak)

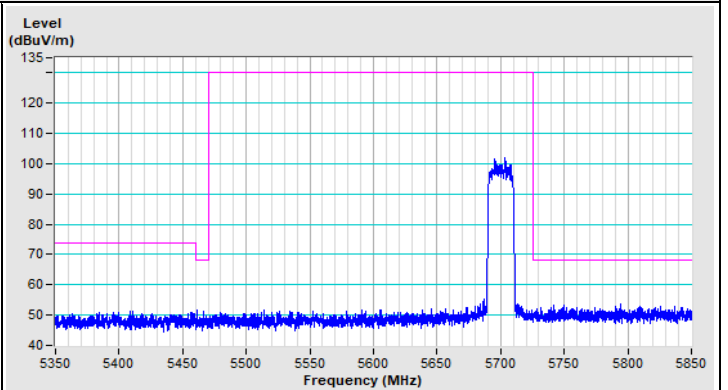


Vertical (Average)

802.11ax (HE20) Channel 140

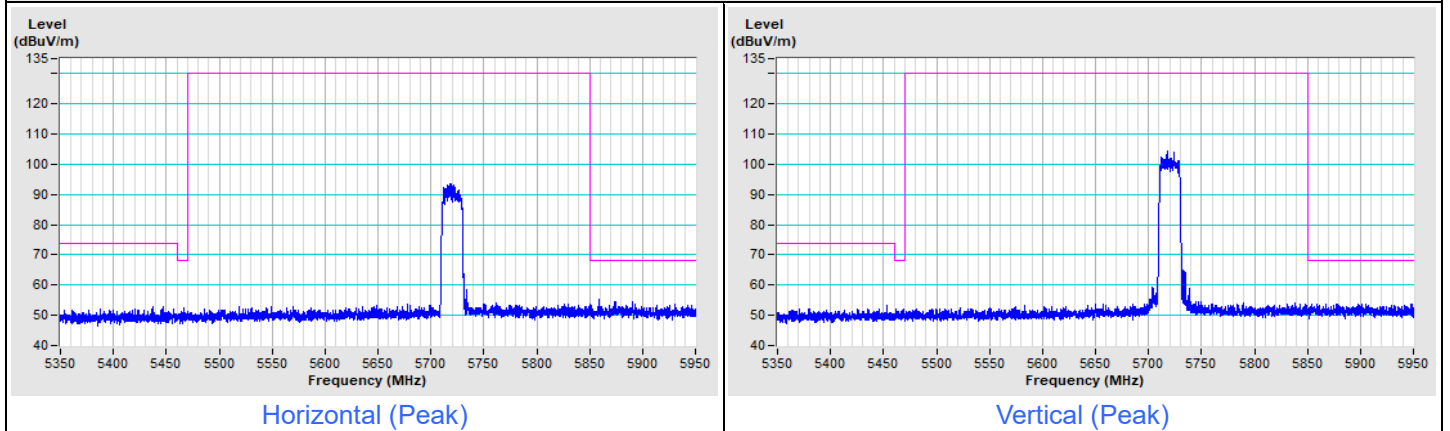


Horizontal (Peak)



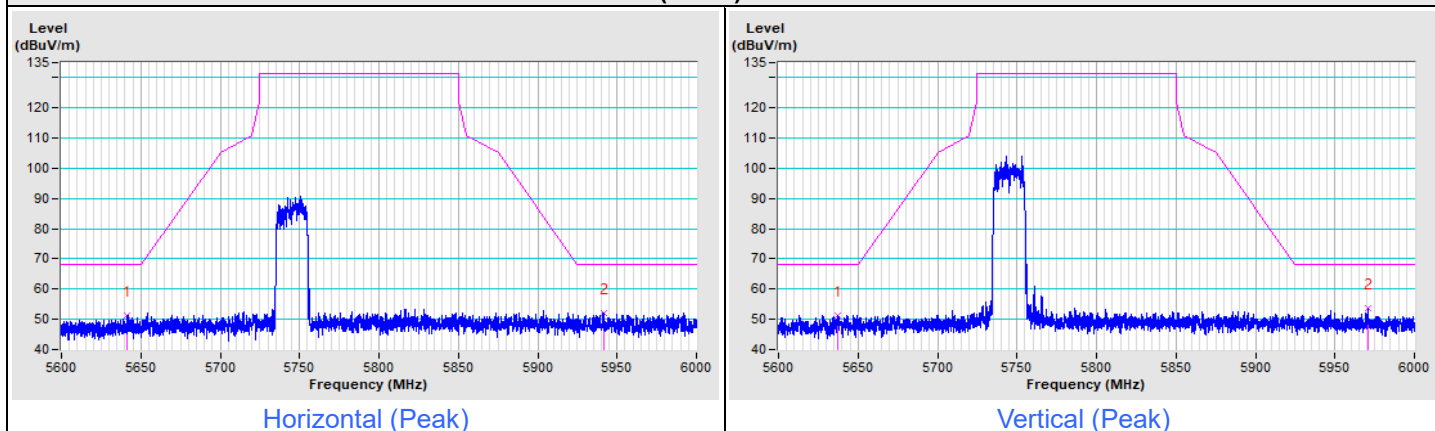
Vertical (Peak)

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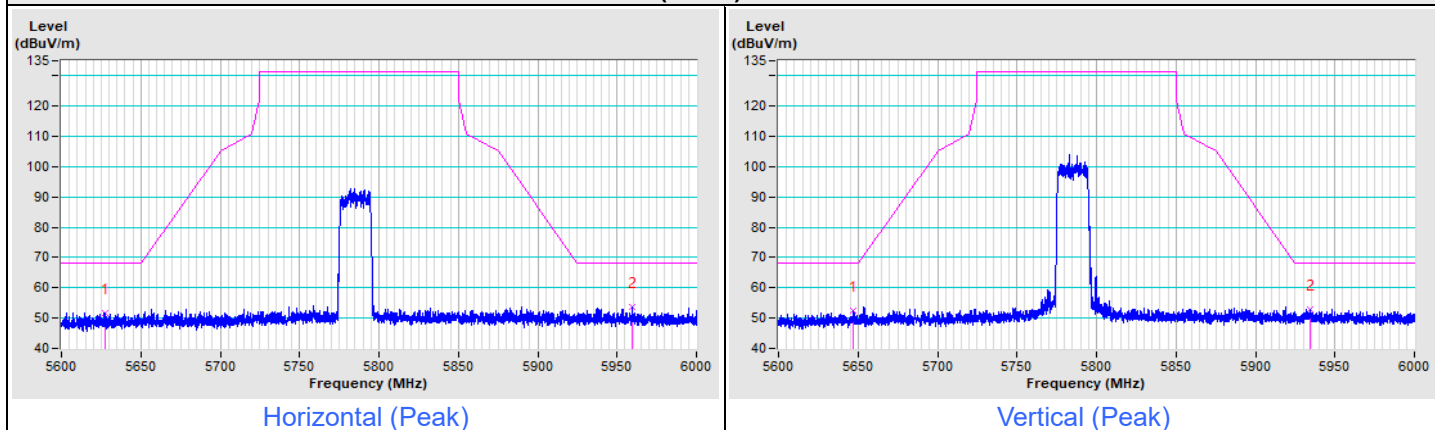
802.11ax (HE20) Channel 144

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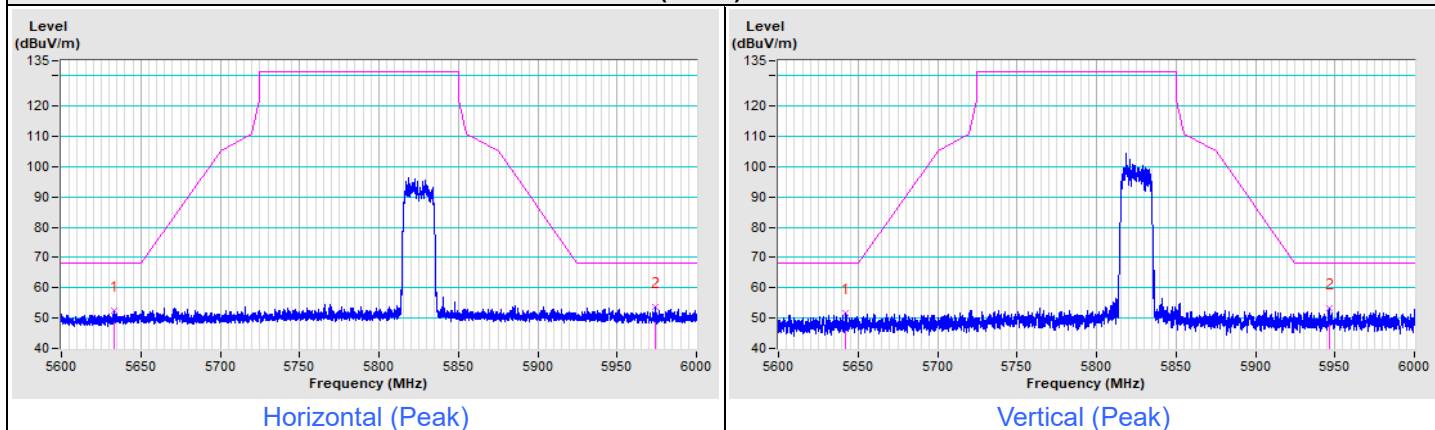
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

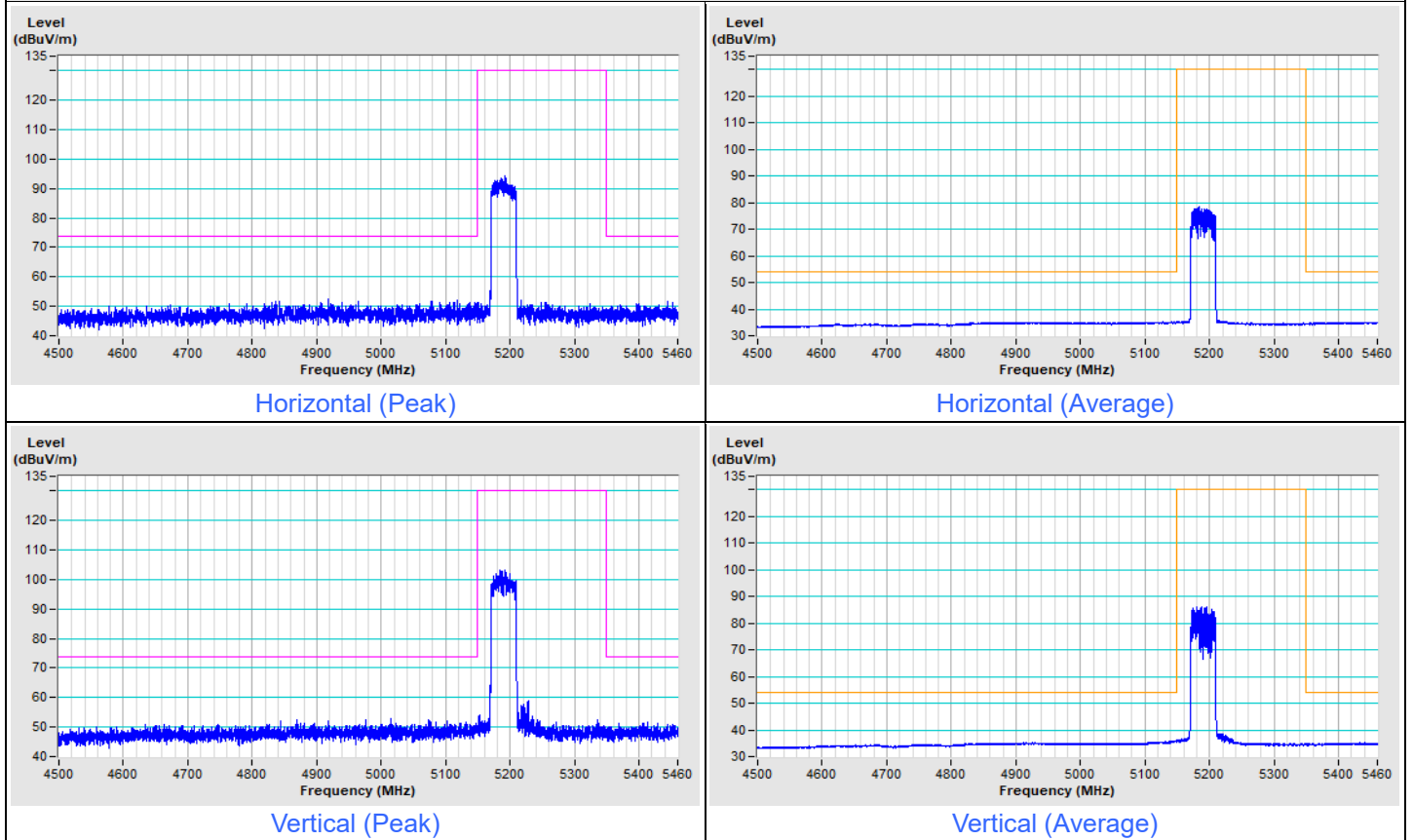


802.11ax (HE20) Channel 165

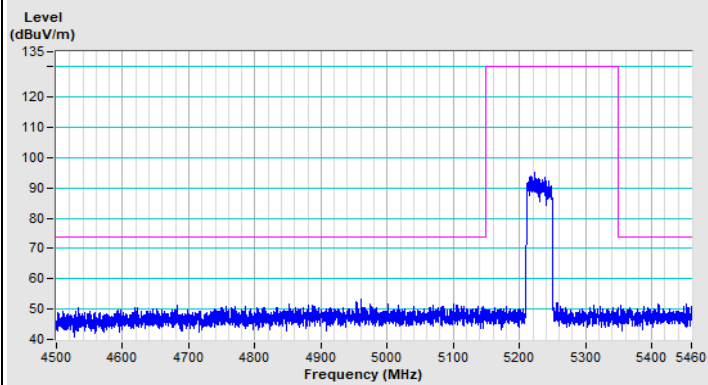


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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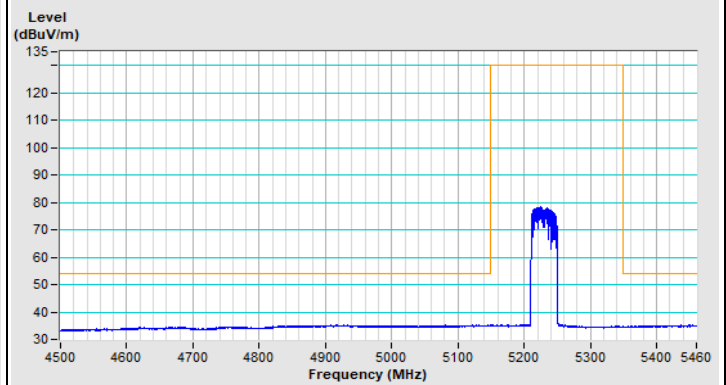
802.11ax (HE40) Channel 38



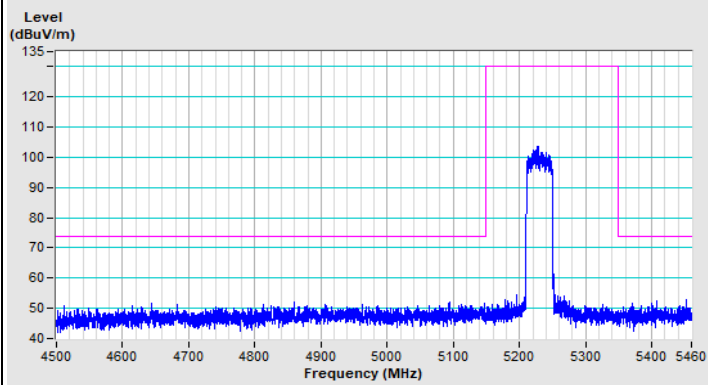
802.11ax (HE40) Channel 46



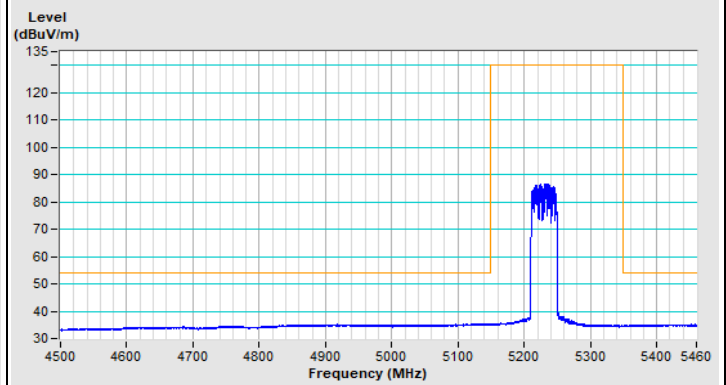
Horizontal (Peak)



Horizontal (Average)

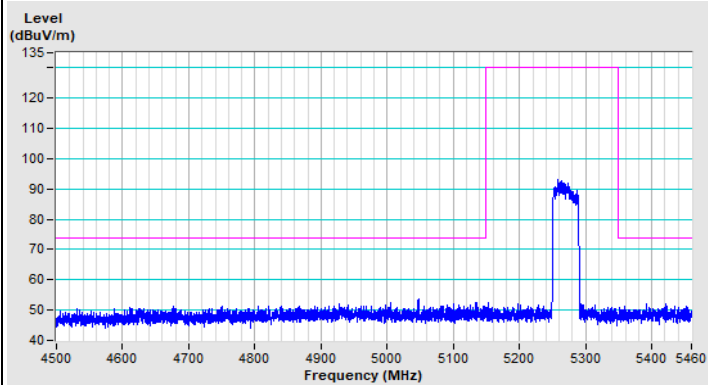


Vertical (Peak)

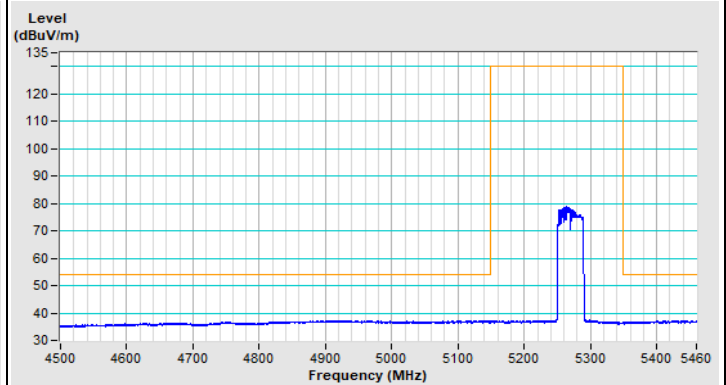


Vertical (Average)

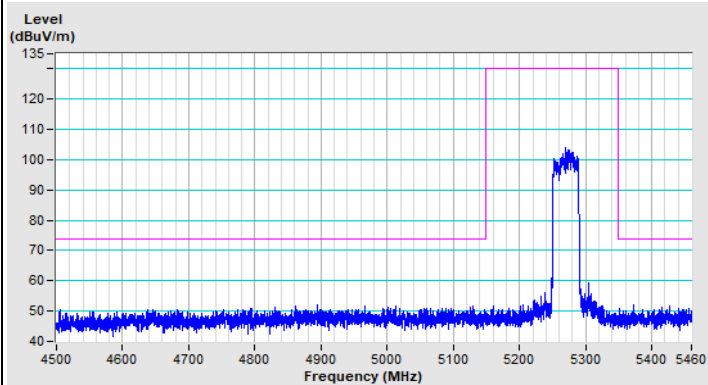
802.11ax (HE40) Channel 54



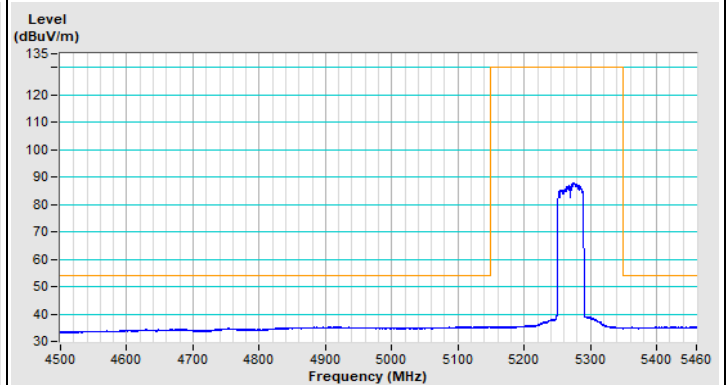
Horizontal (Peak)



Horizontal (Average)

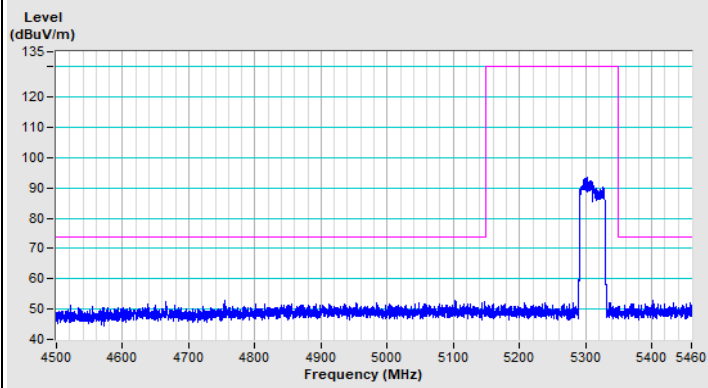


Vertical (Peak)

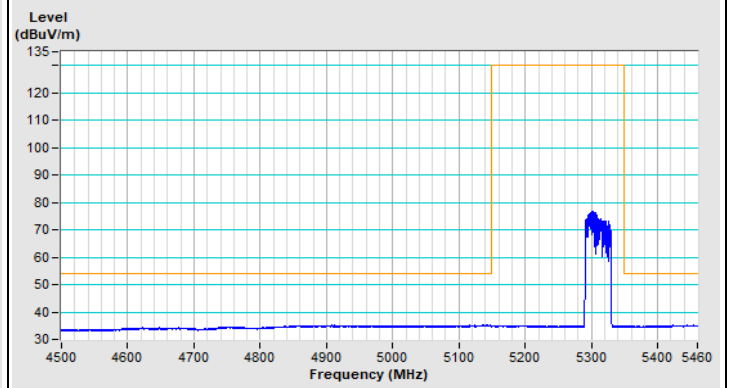


Vertical (Average)

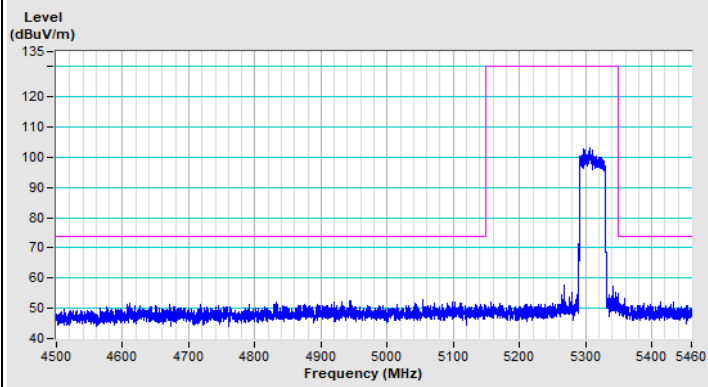
802.11ax (HE40) Channel 62



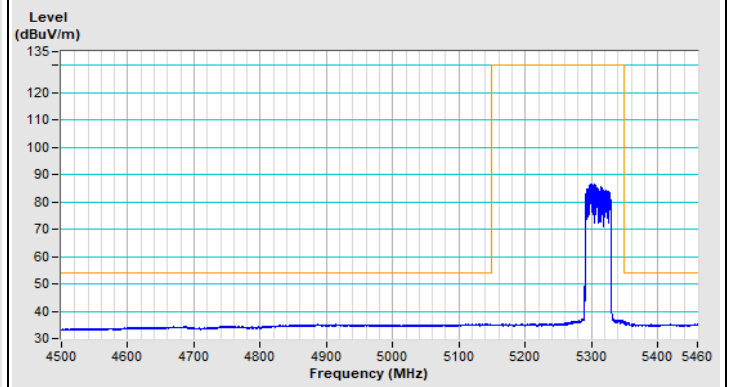
Horizontal (Peak)



Horizontal (Average)



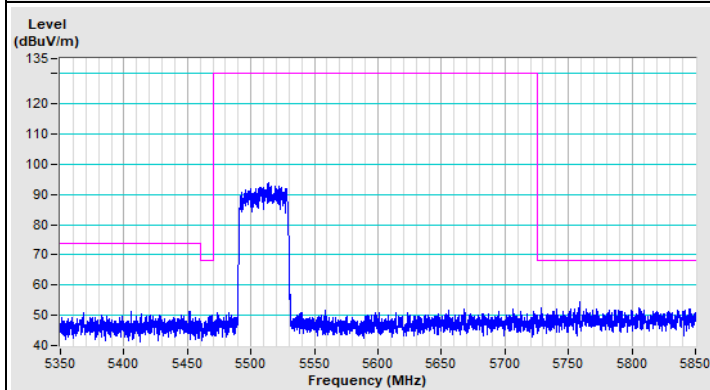
Vertical (Peak)



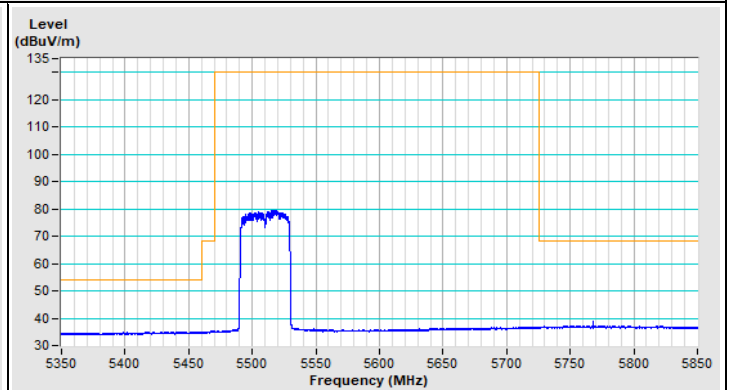
Vertical (Average)

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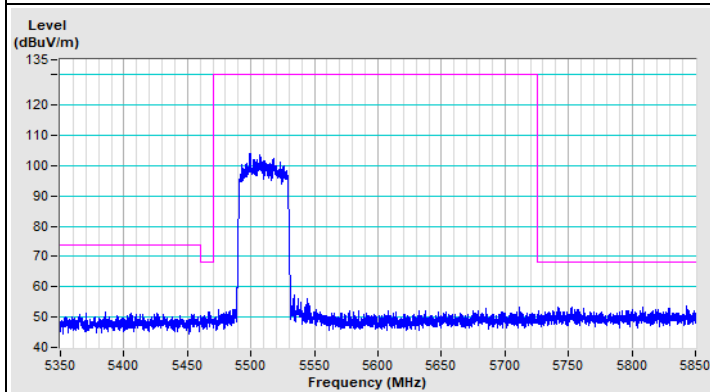
802.11ax (HE40) Channel 102



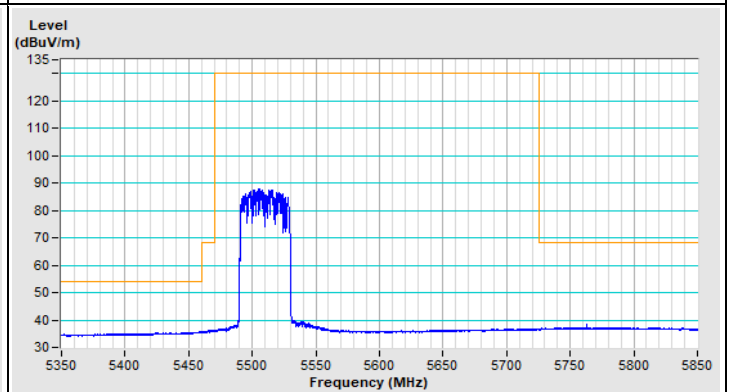
Horizontal (Peak)



Horizontal (Average)

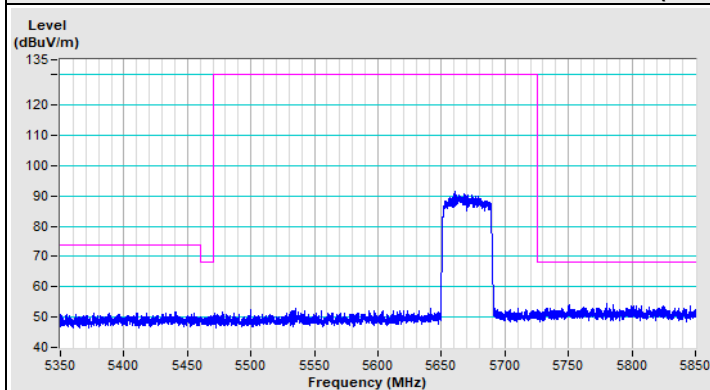


Vertical (Peak)

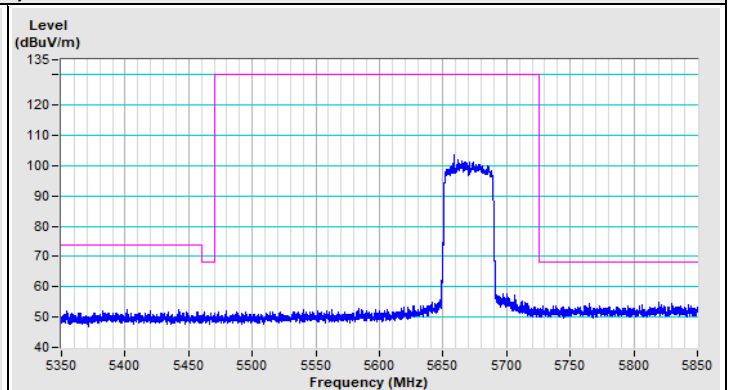


Vertical (Average)

802.11ax (HE40) Channel 134



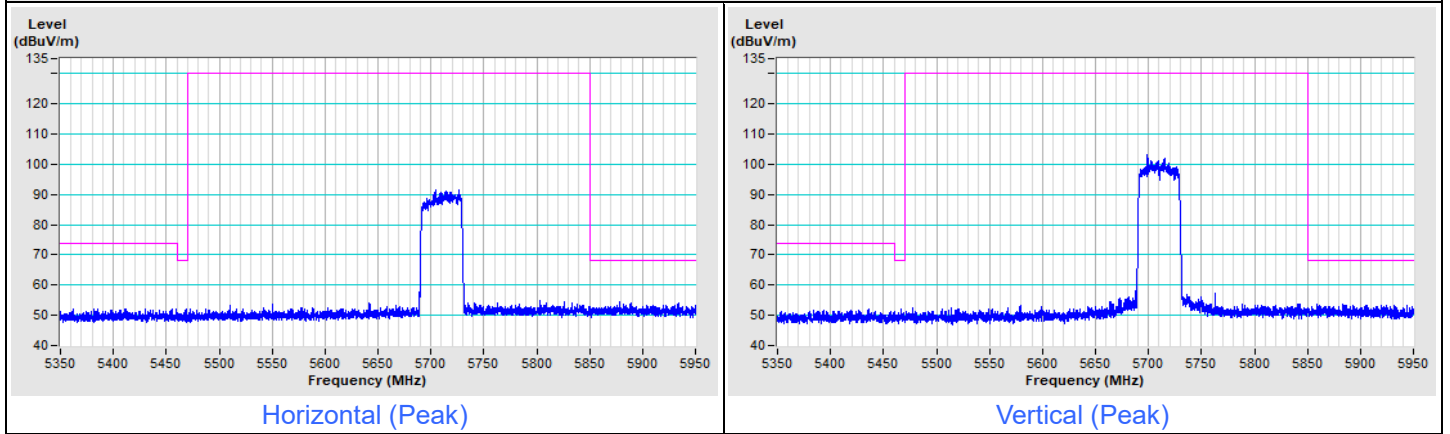
Horizontal (Peak)



Vertical (Peak)

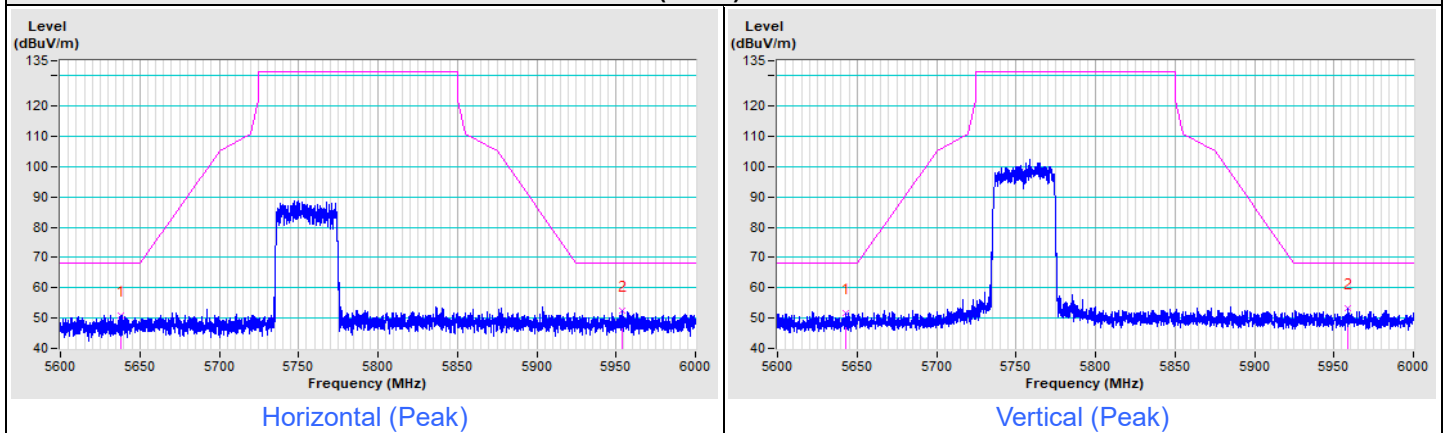
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 142

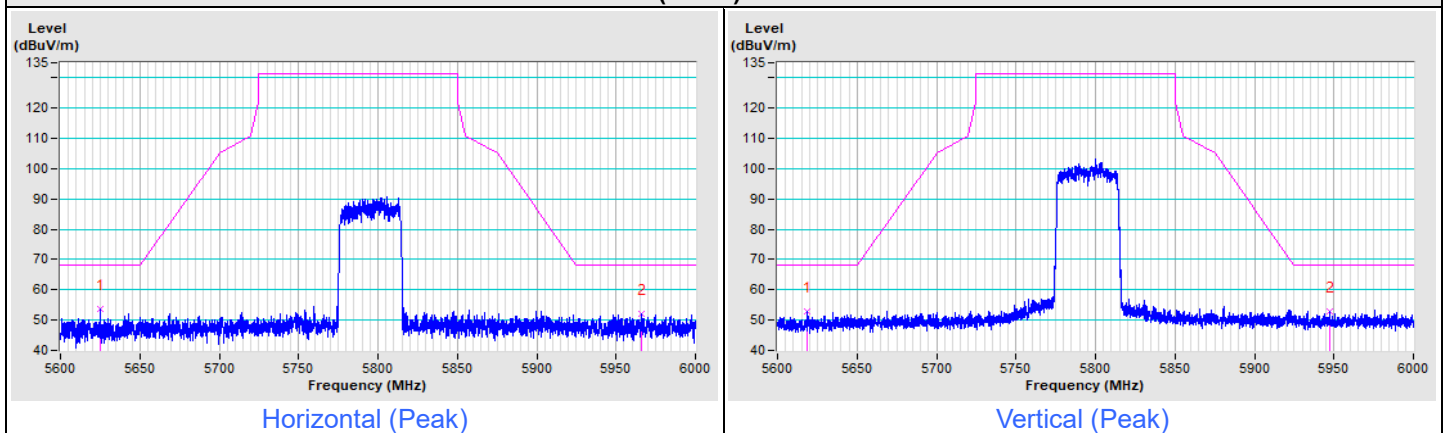


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

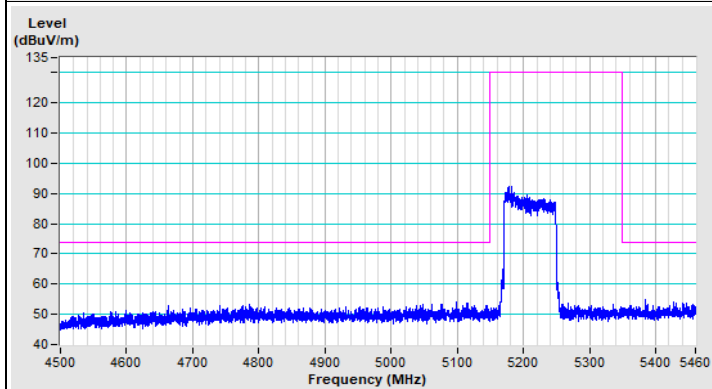


802.11ax (HE40) Channel 159

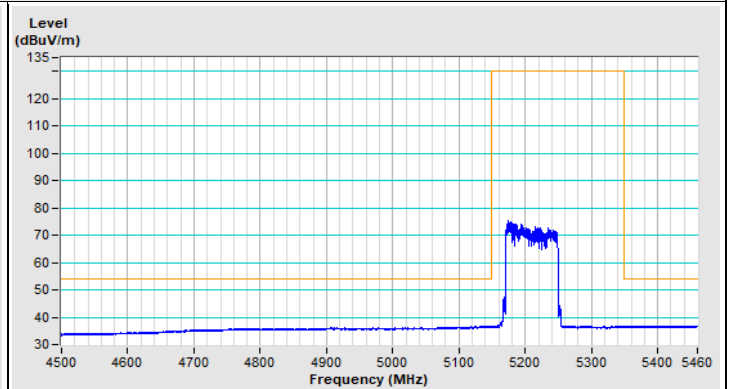


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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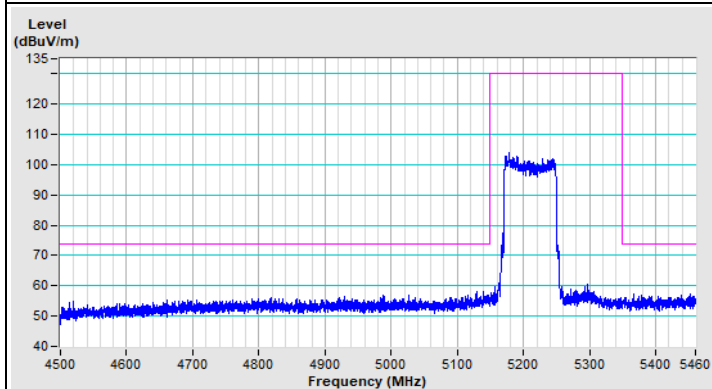
802.11ax (HE80) Channel 42



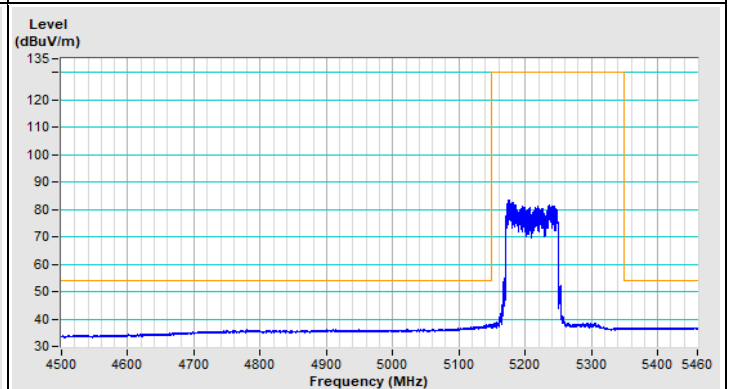
Horizontal (Peak)



Horizontal (Average)

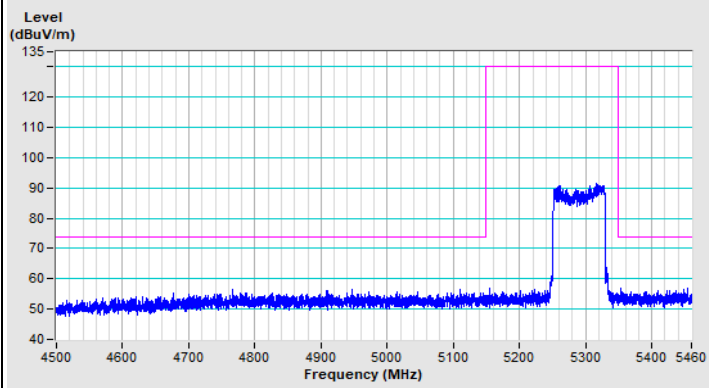


Vertical (Peak)

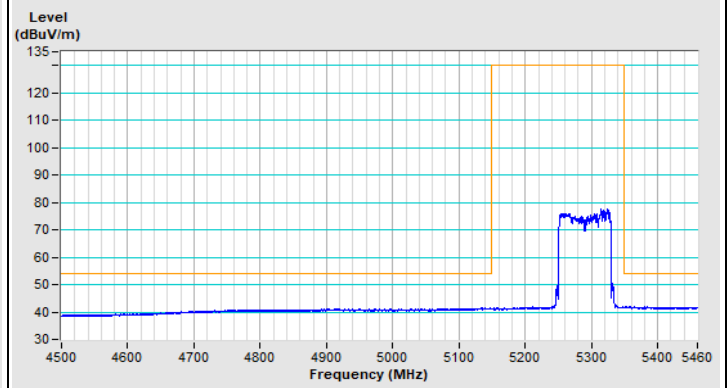


Vertical (Average)

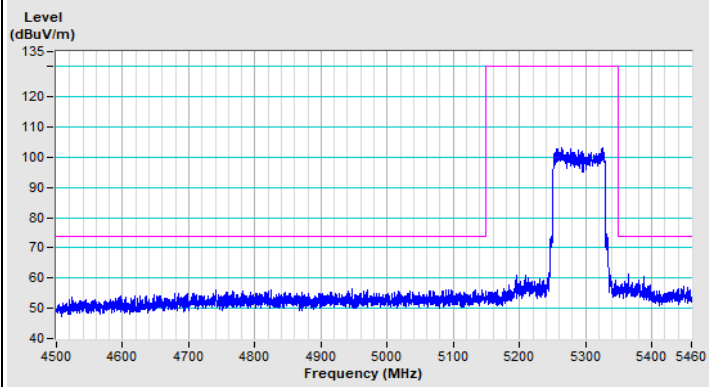
802.11ax (HE80) Channel 58



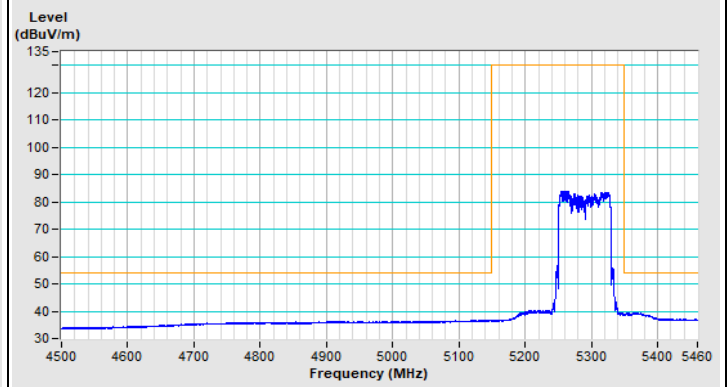
Horizontal (Peak)



Horizontal (Average)



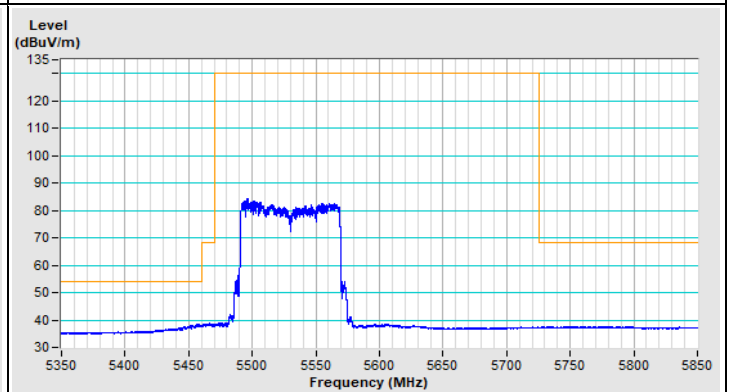
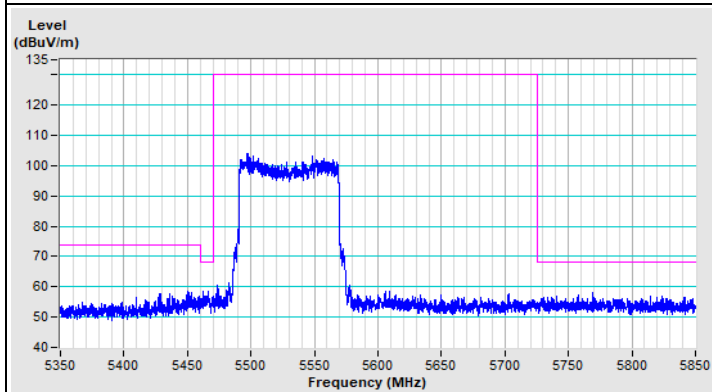
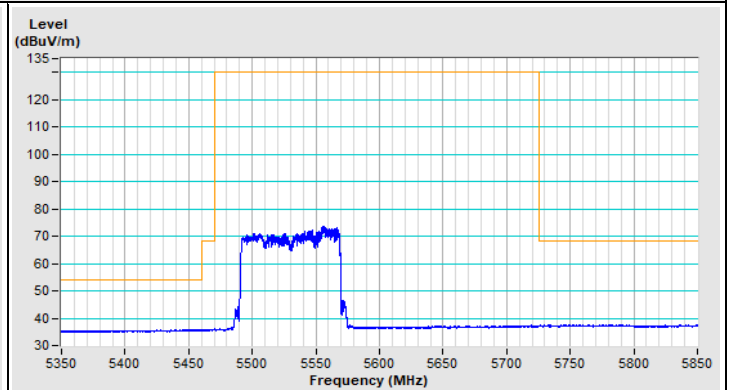
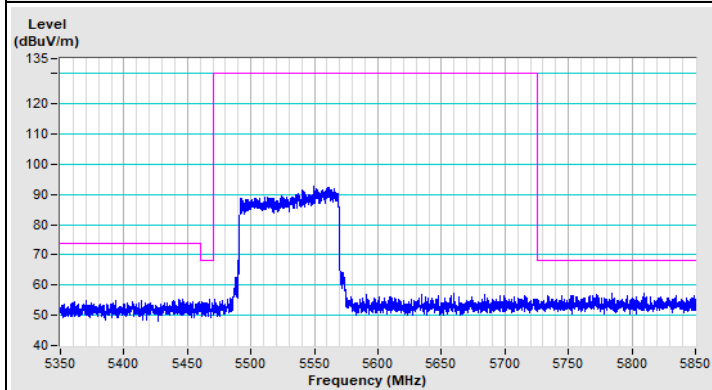
Vertical (Peak)



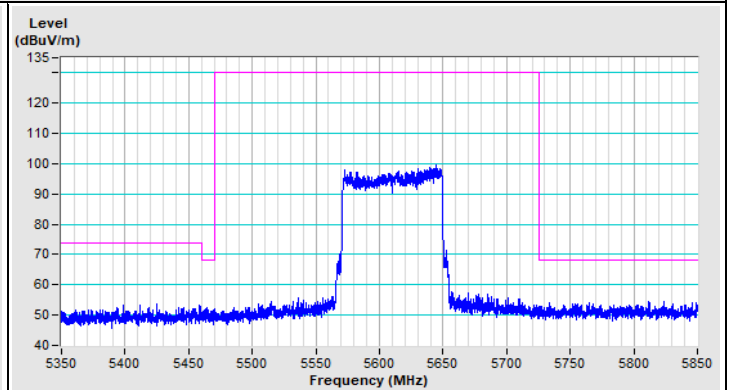
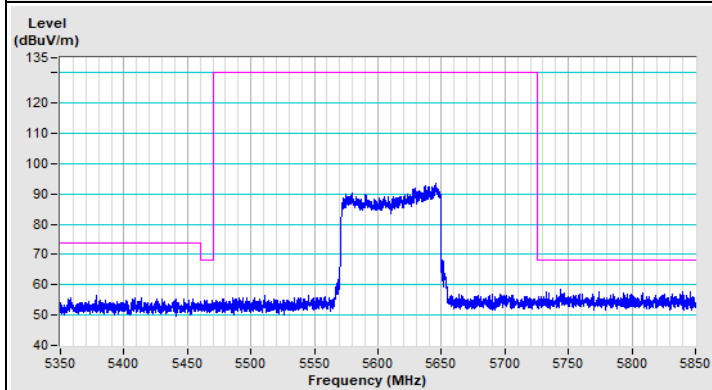
Vertical (Average)

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

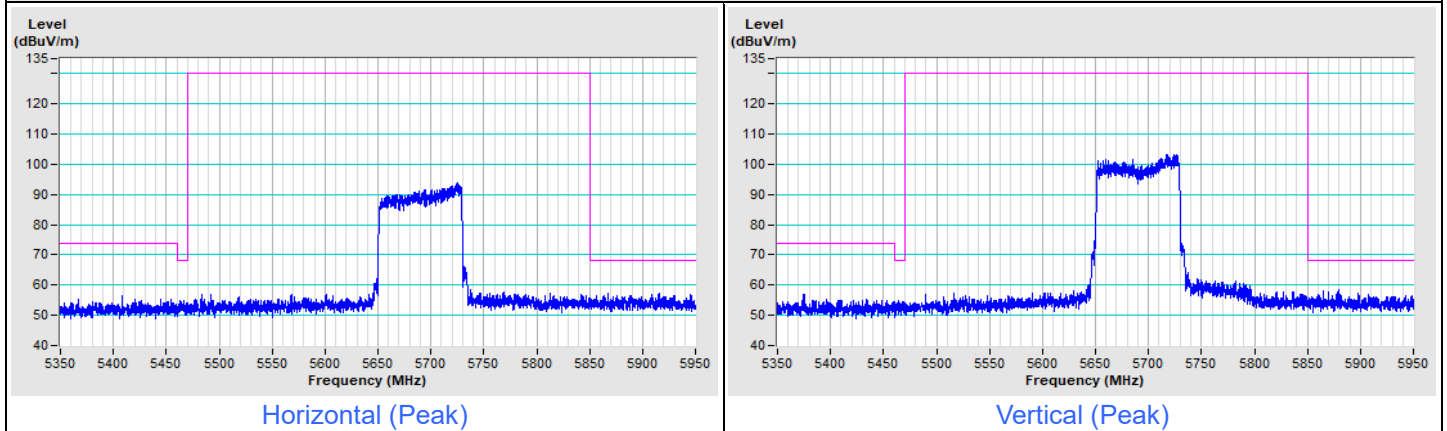


802.11ax (HE80) Channel 122



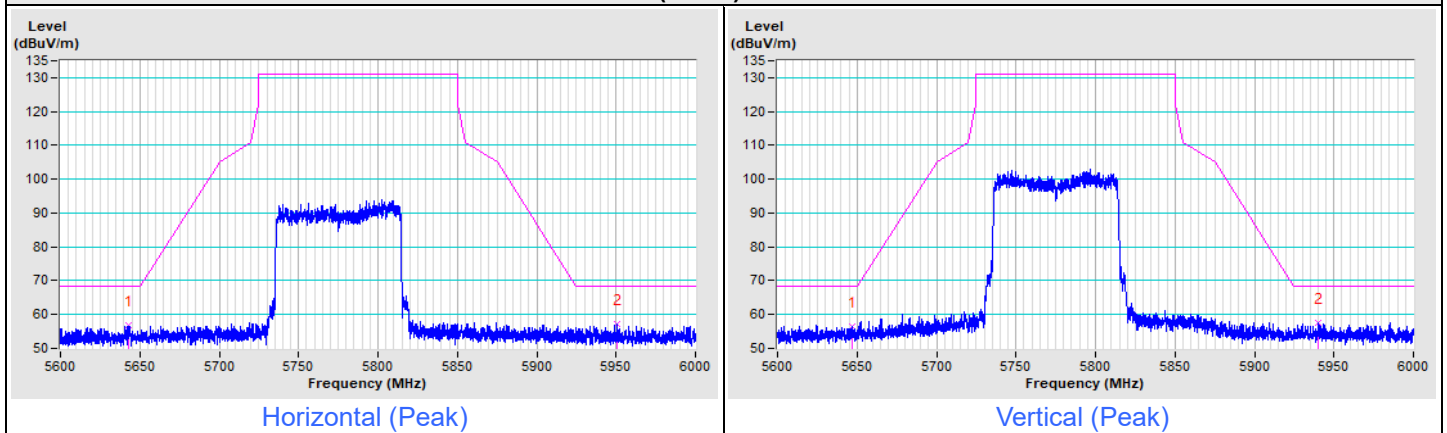
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 138



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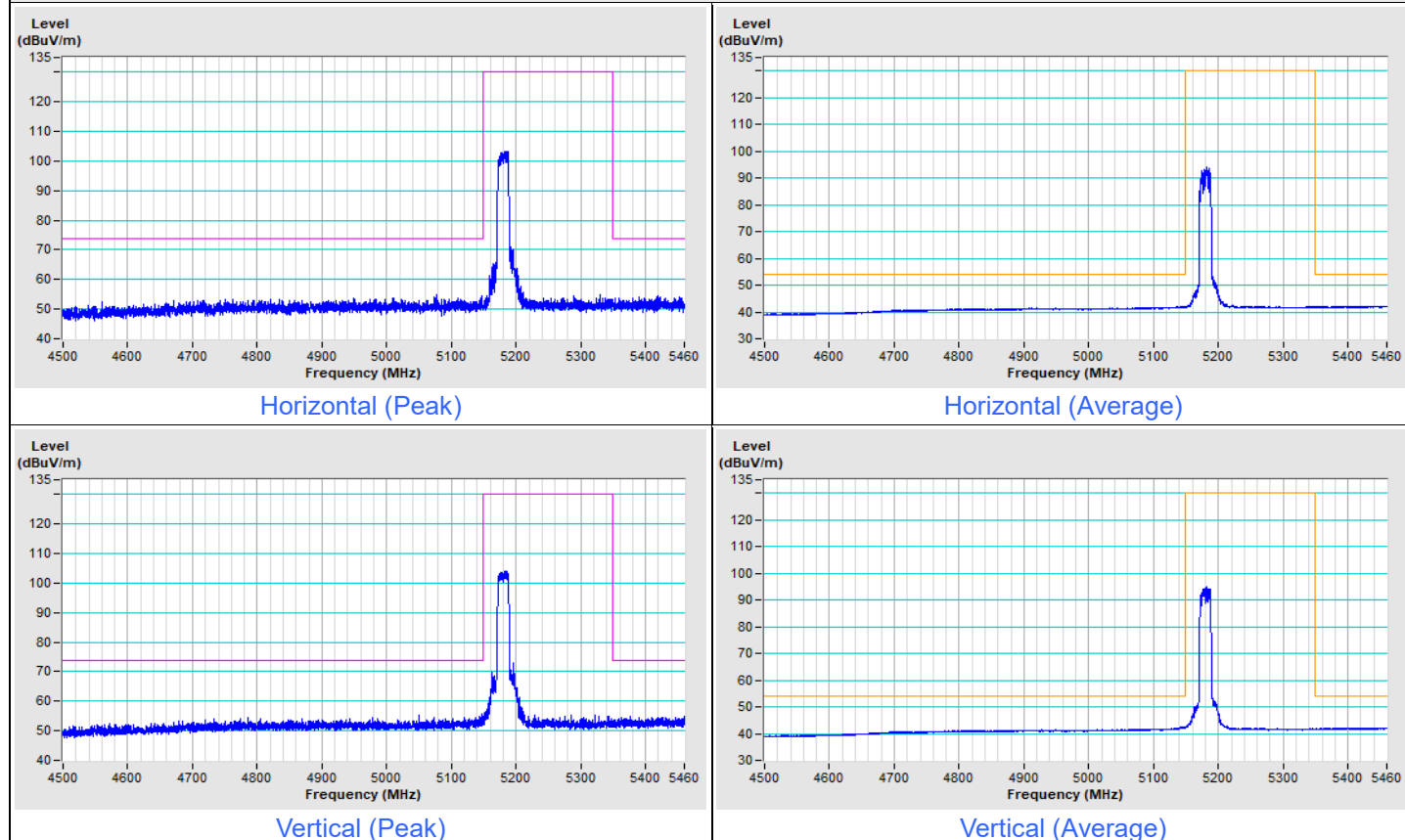
802.11ax (HE80) Channel 155



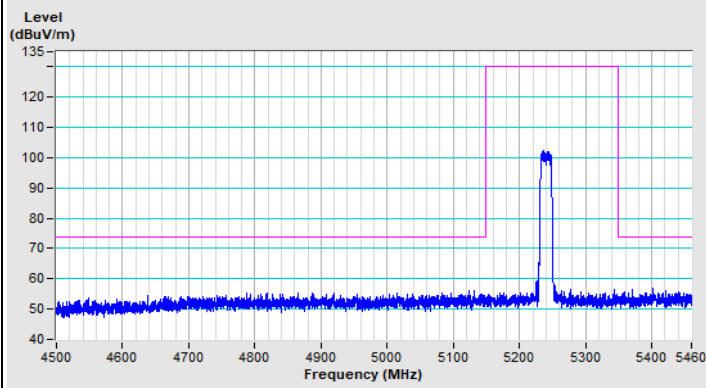
Plot of Band Edge_Mode B

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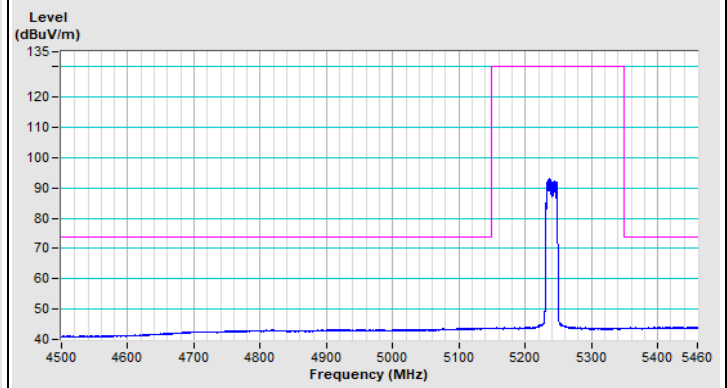
802.11a Channel 36



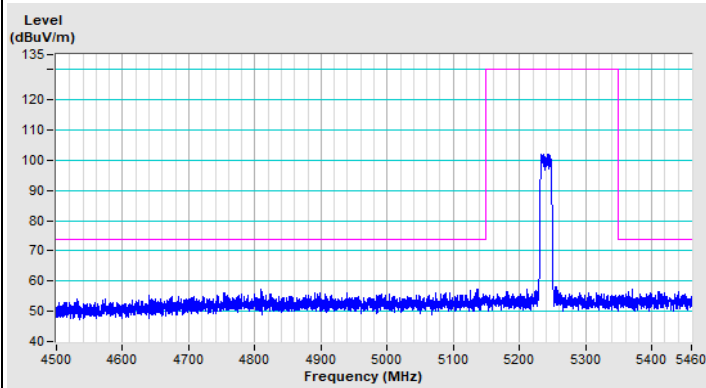
802.11a Channel 48



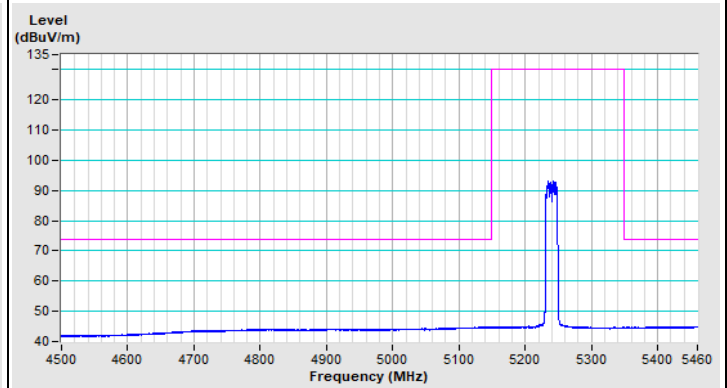
Horizontal (Peak)



Horizontal (Average)

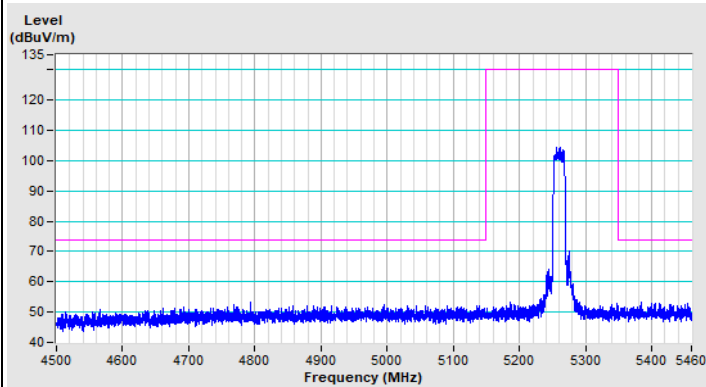


Vertical (Peak)

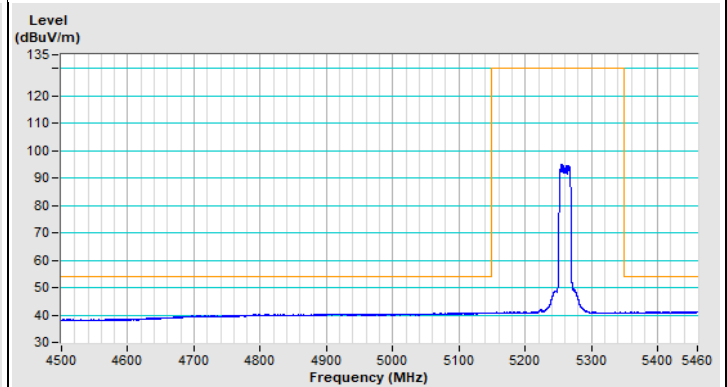


Vertical (Average)

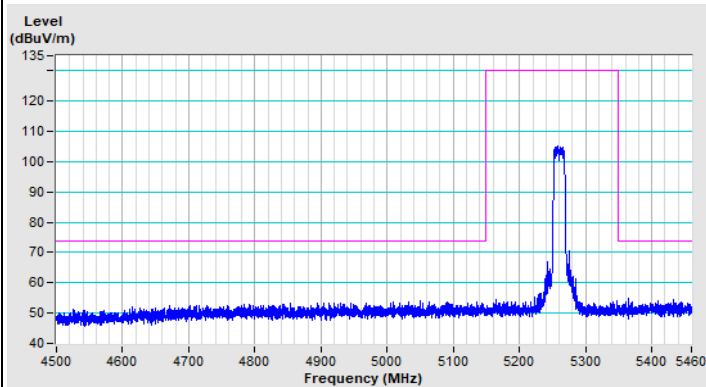
802.11a Channel 52



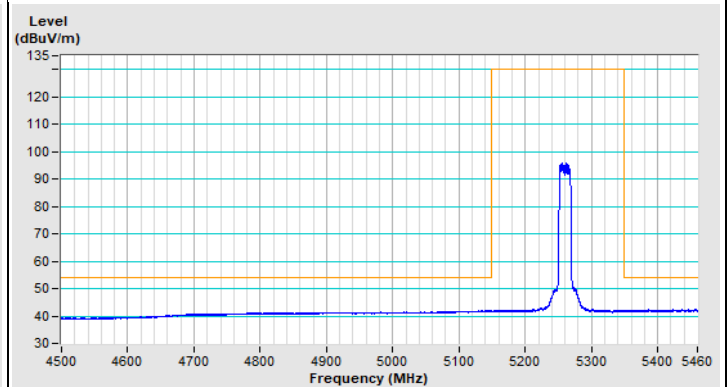
Horizontal (Peak)



Horizontal (Average)

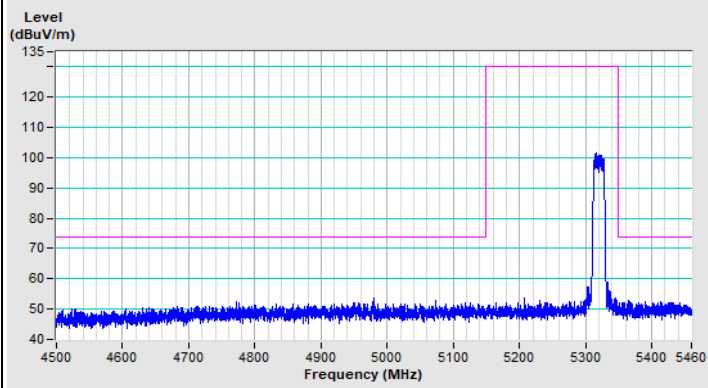


Vertical (Peak)

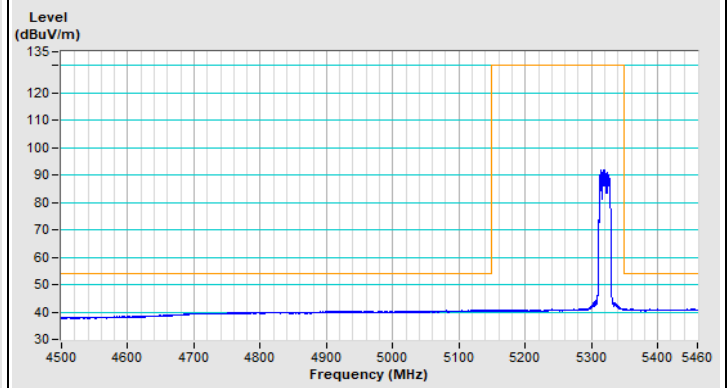


Vertical (Average)

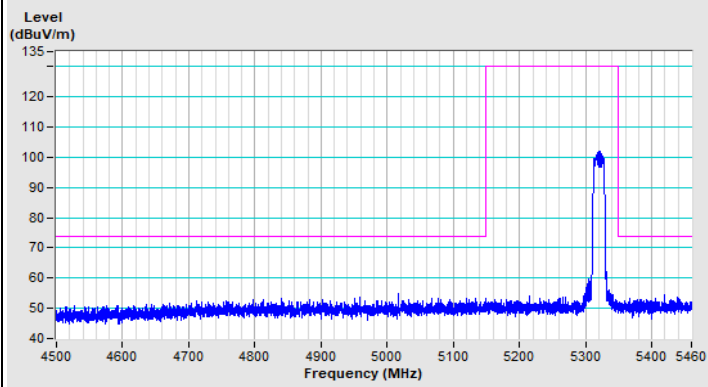
802.11a Channel 64



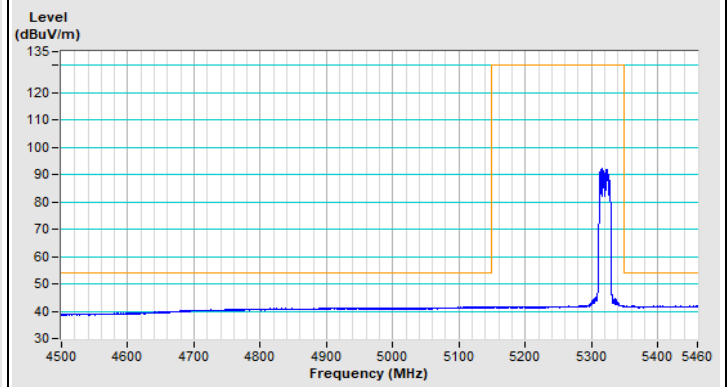
Horizontal (Peak)



Horizontal (Average)



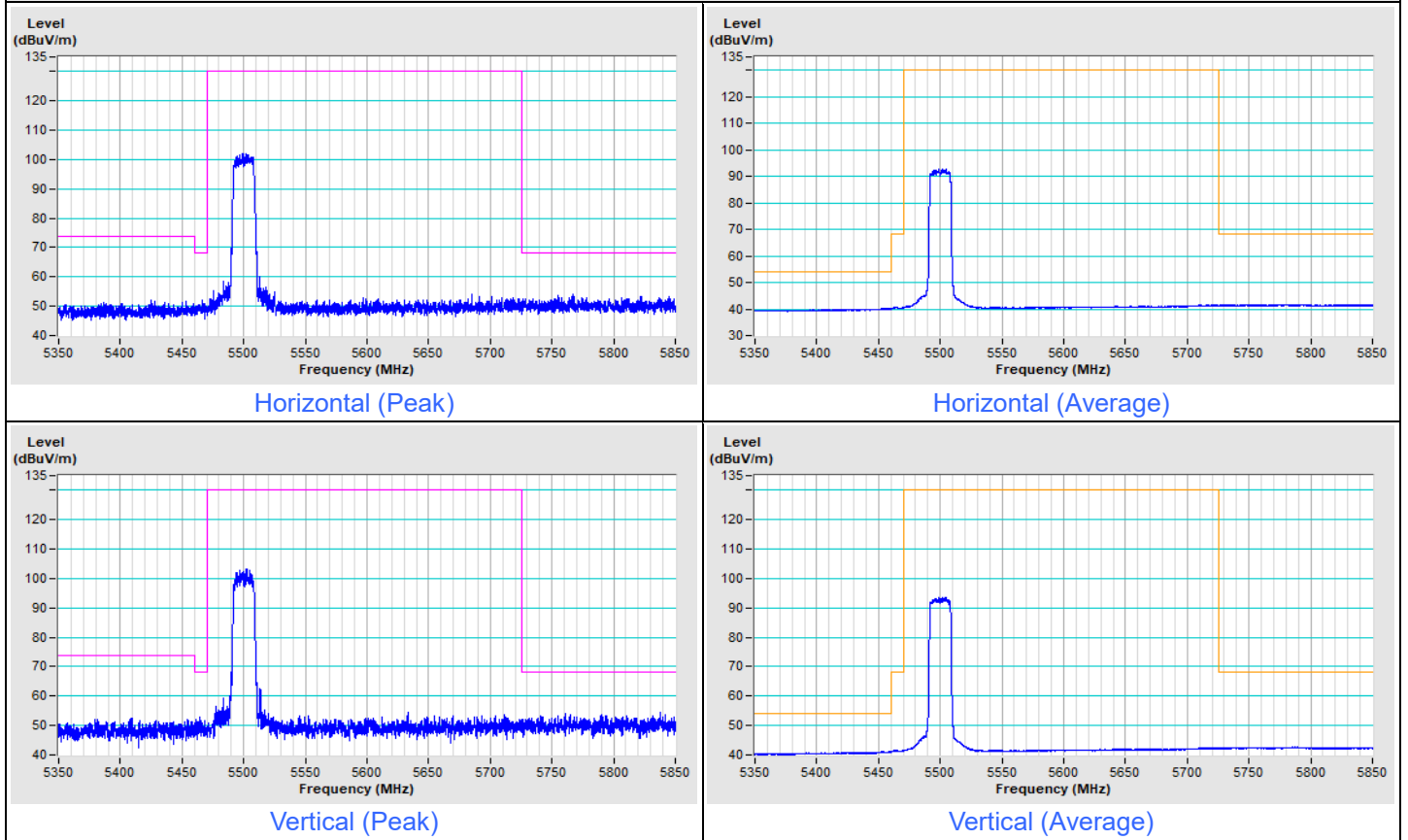
Vertical (Peak)



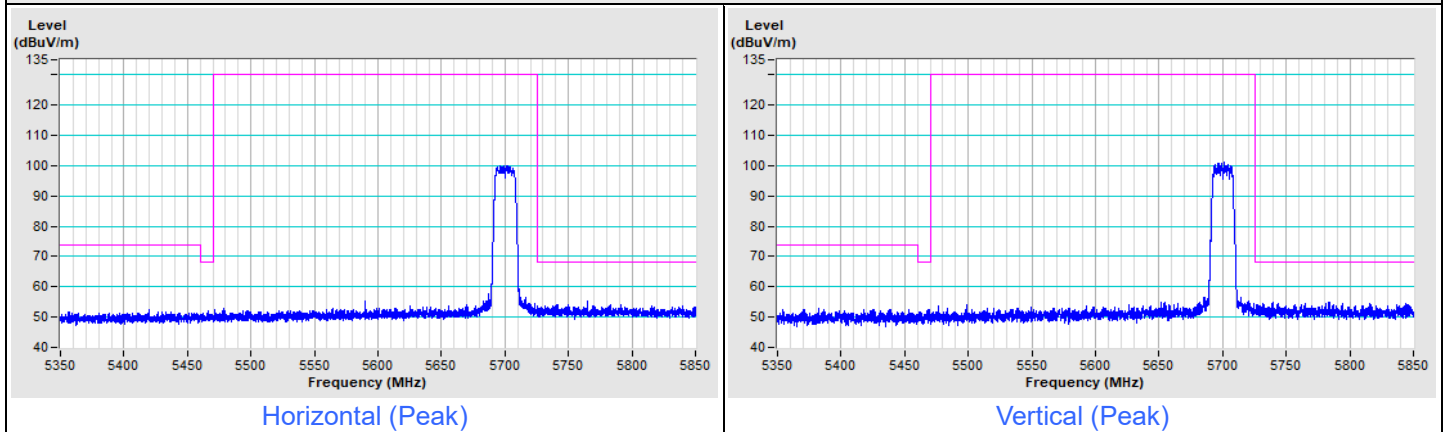
Vertical (Average)

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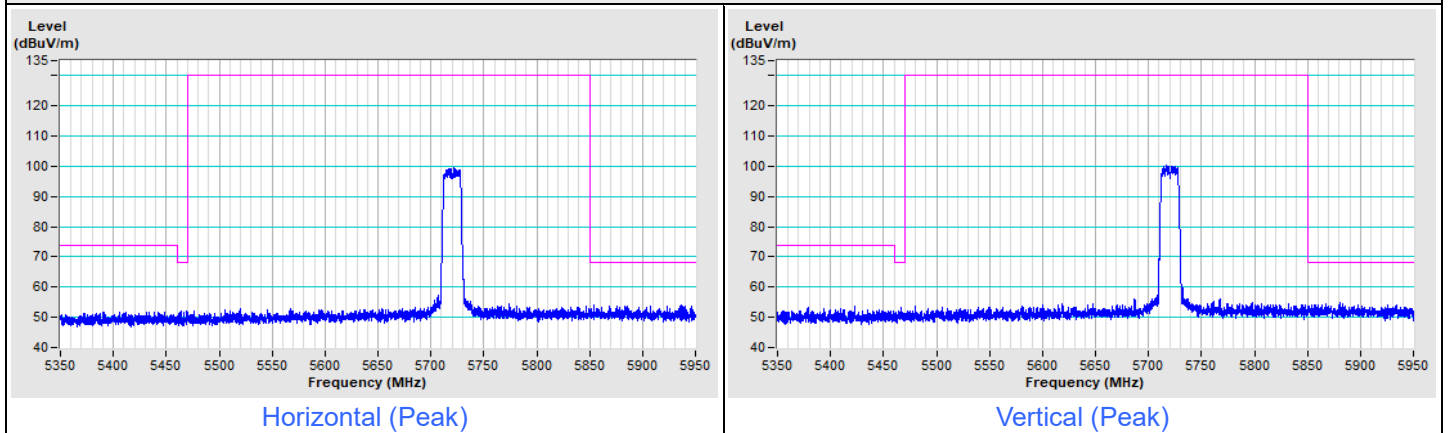
802.11a Channel 100



802.11a Channel 140

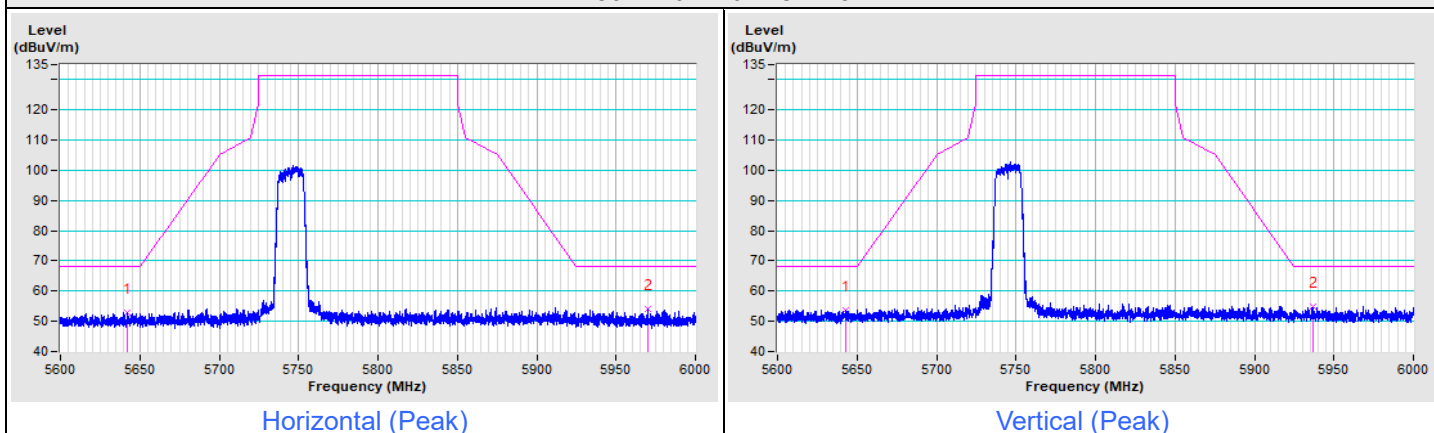


Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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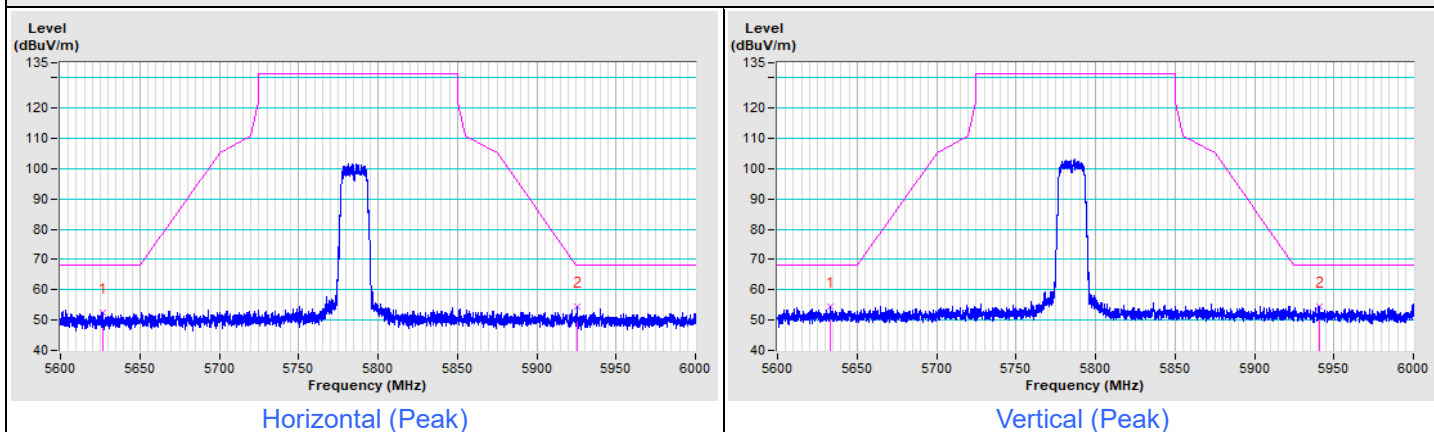
802.11a Channel 144

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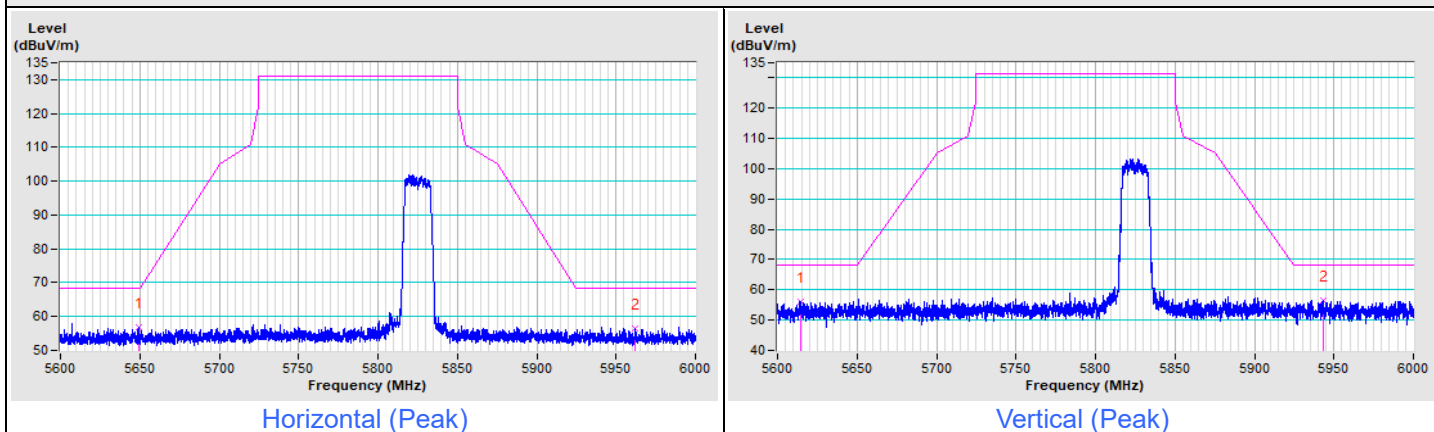
802.11a Channel 149



802.11a Channel 157

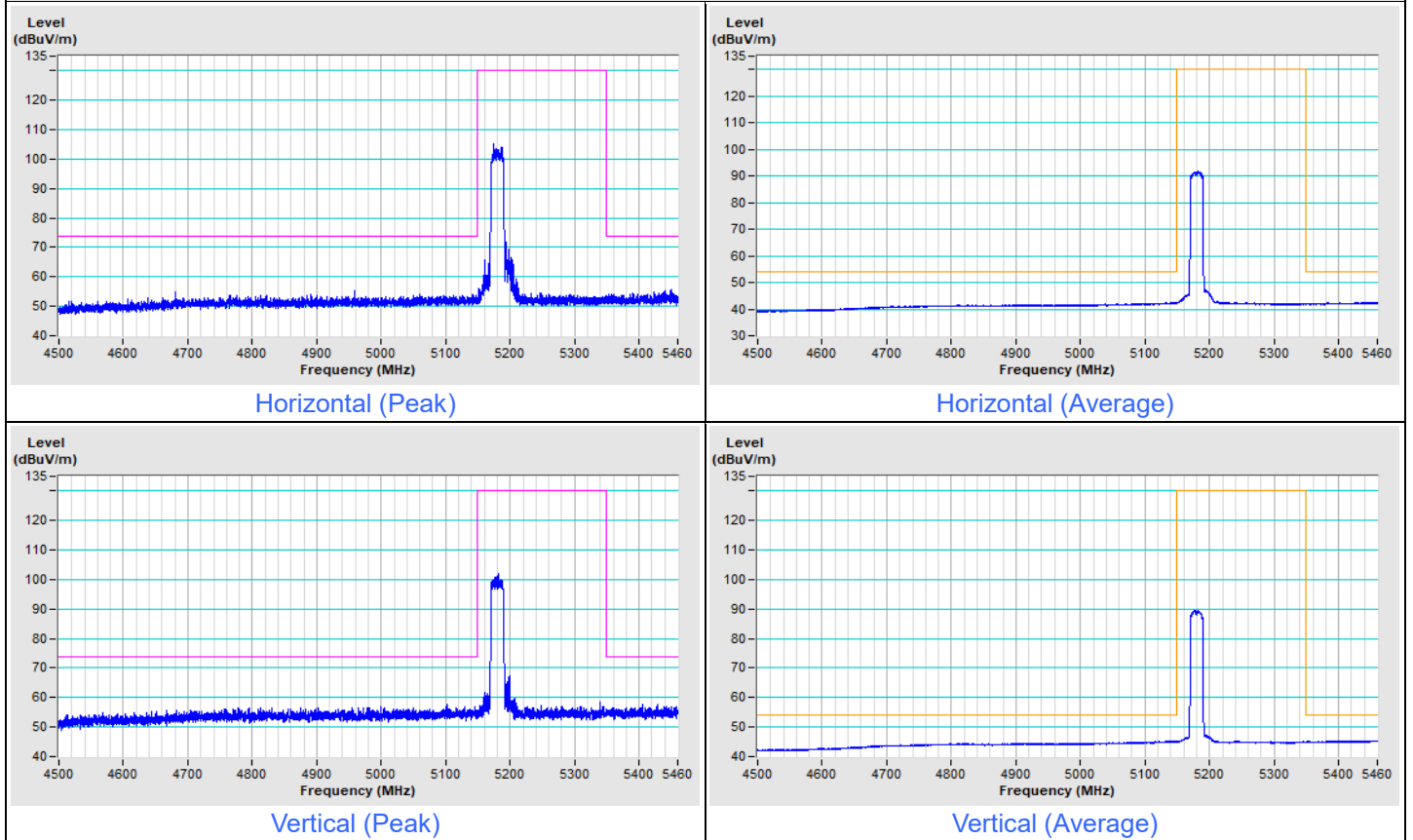


802.11a Channel 165

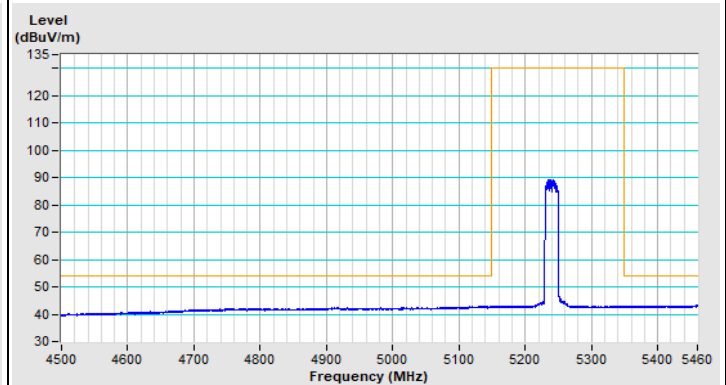
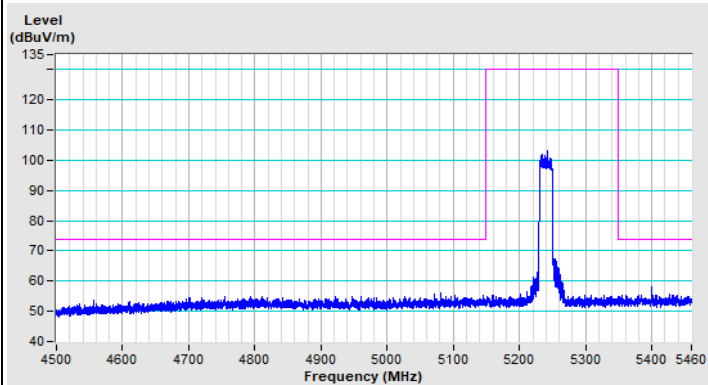
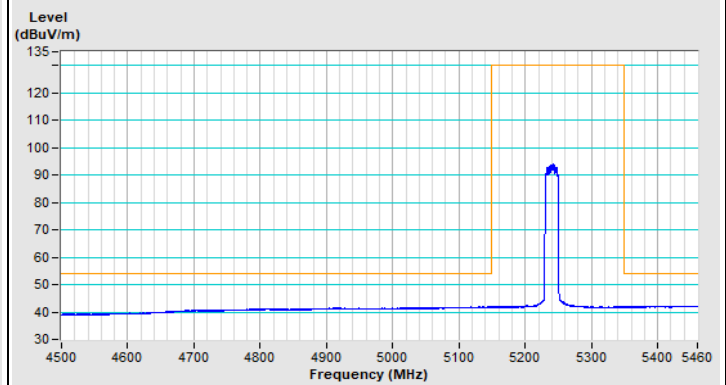
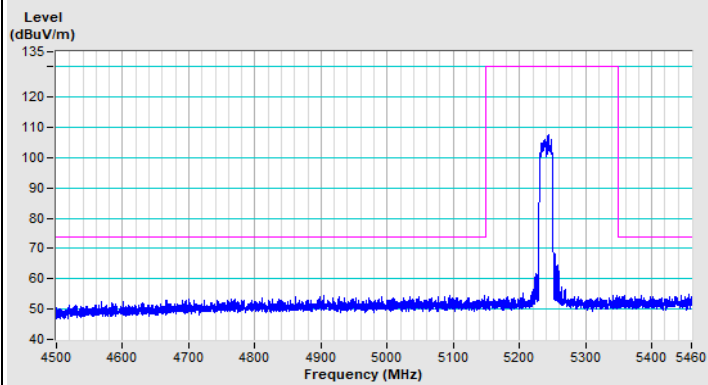


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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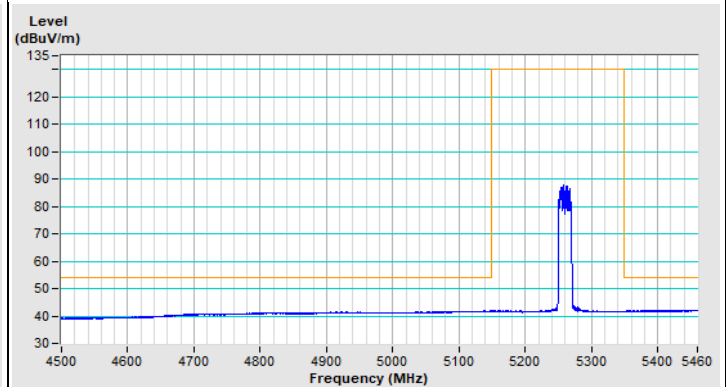
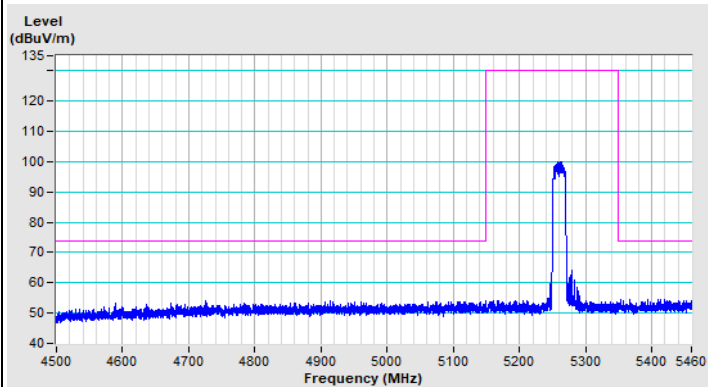
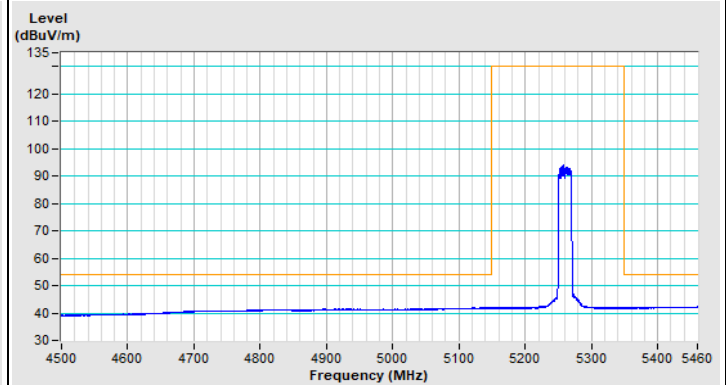
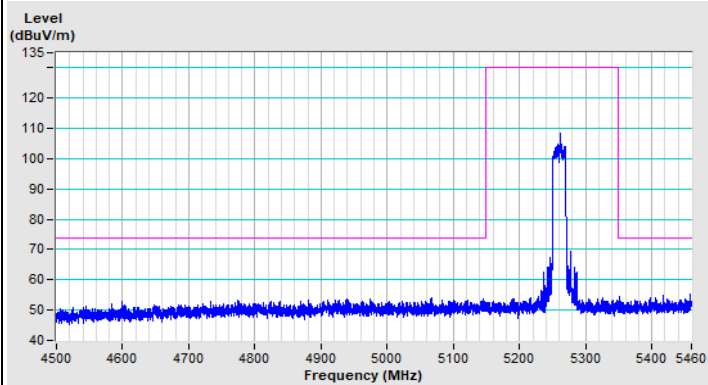
802.11ax (HE20) Channel 36



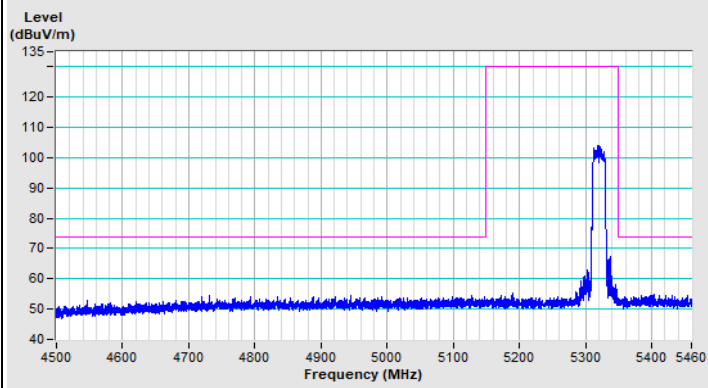
802.11ax (HE20) Channel 48



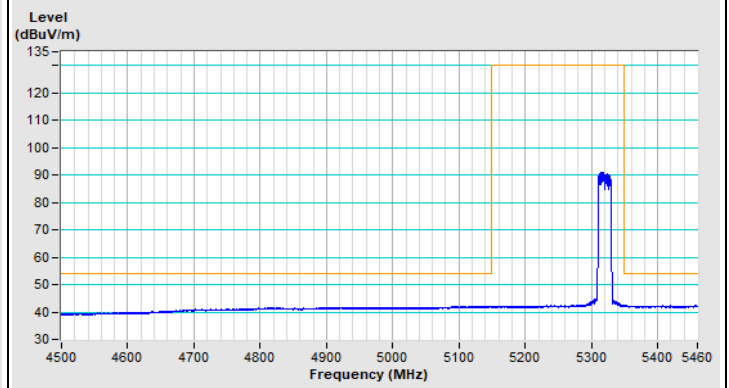
802.11ax (HE20) Channel 52



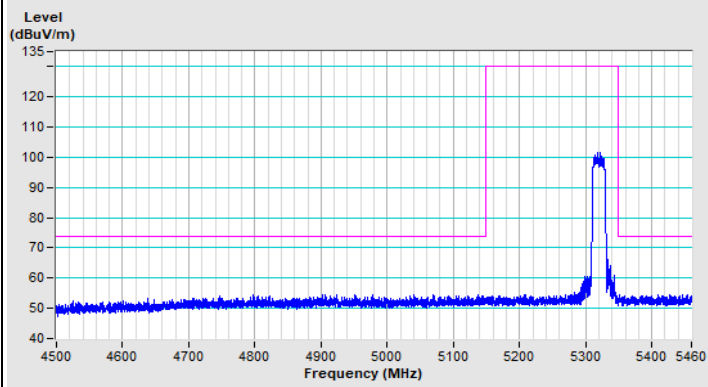
802.11ax (HE20) Channel 64



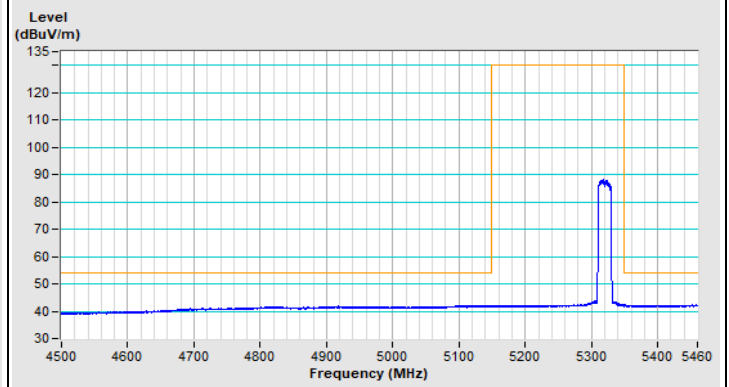
Horizontal (Peak)



Horizontal (Average)



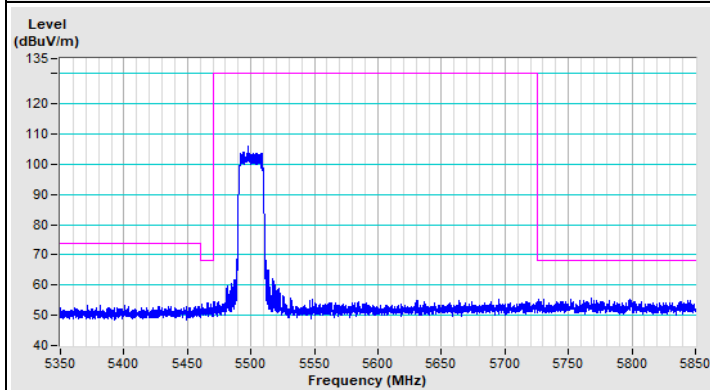
Vertical (Peak)



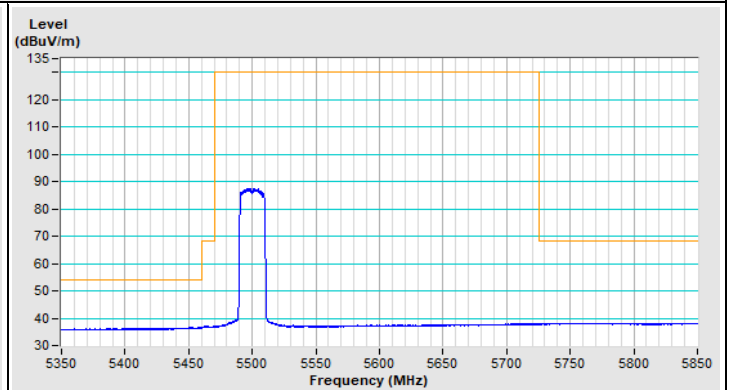
Vertical (Average)

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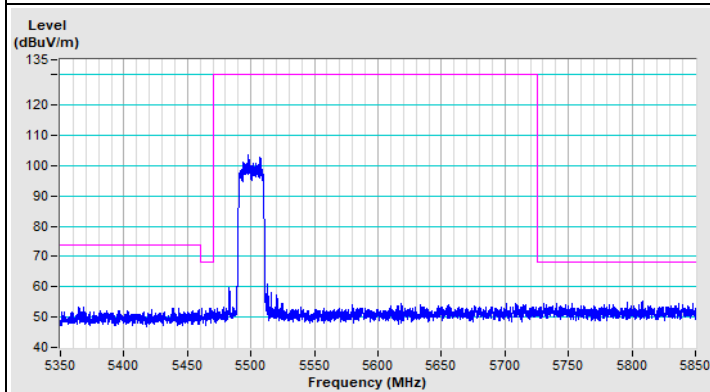
802.11ax (HE20) Channel 100



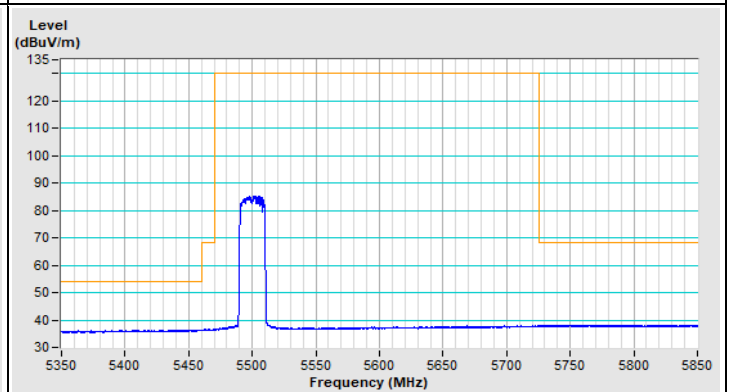
Horizontal (Peak)



Horizontal (Average)

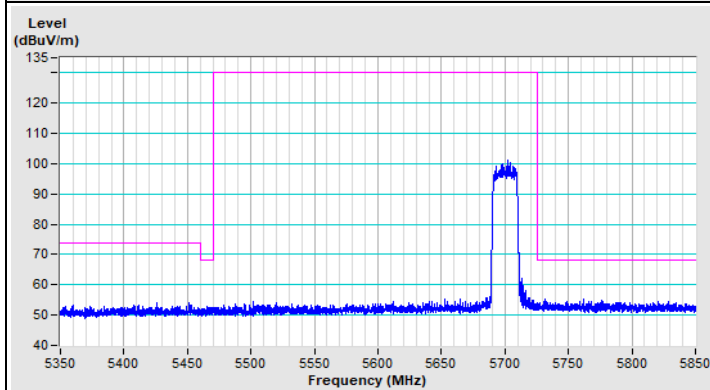


Vertical (Peak)

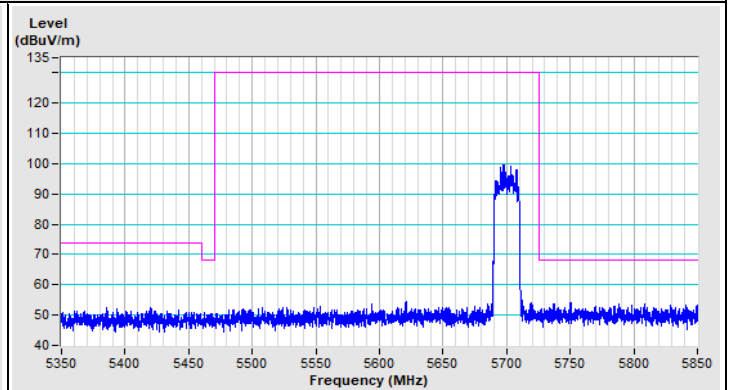


Vertical (Average)

802.11ax (HE20) Channel 140

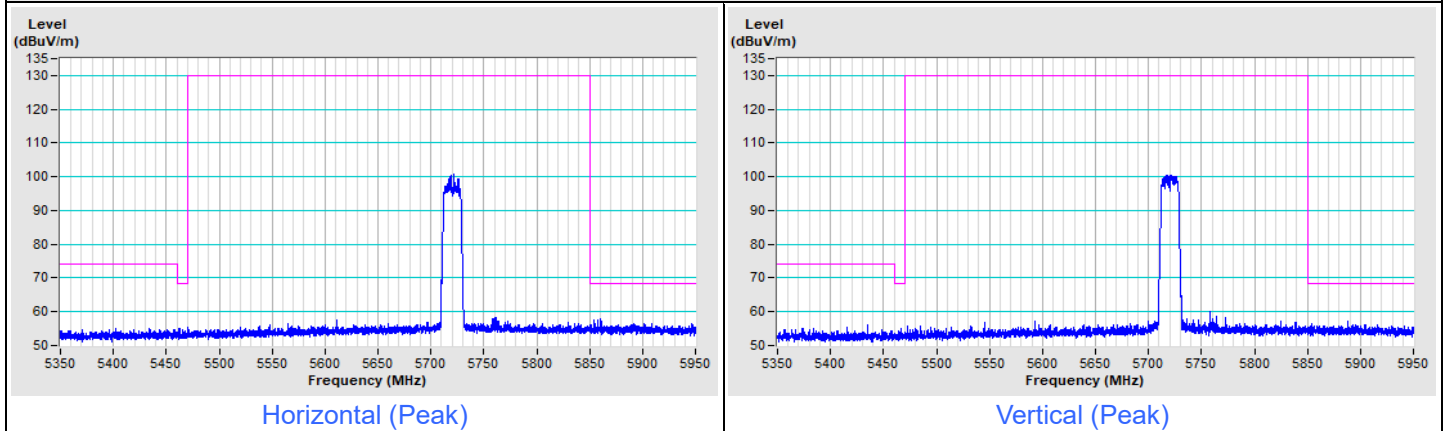


Horizontal (Peak)



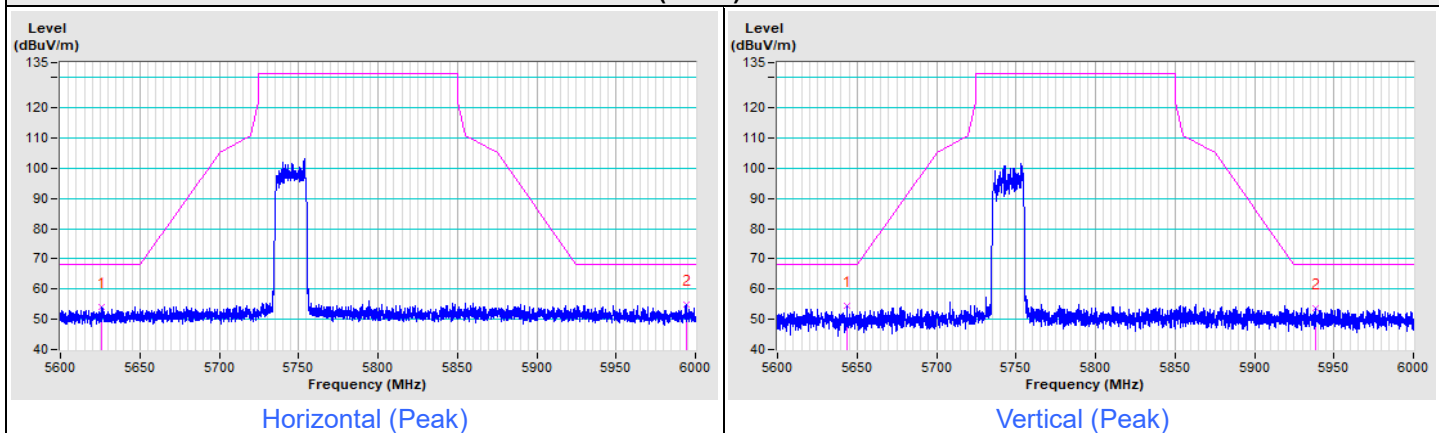
Vertical (Peak)

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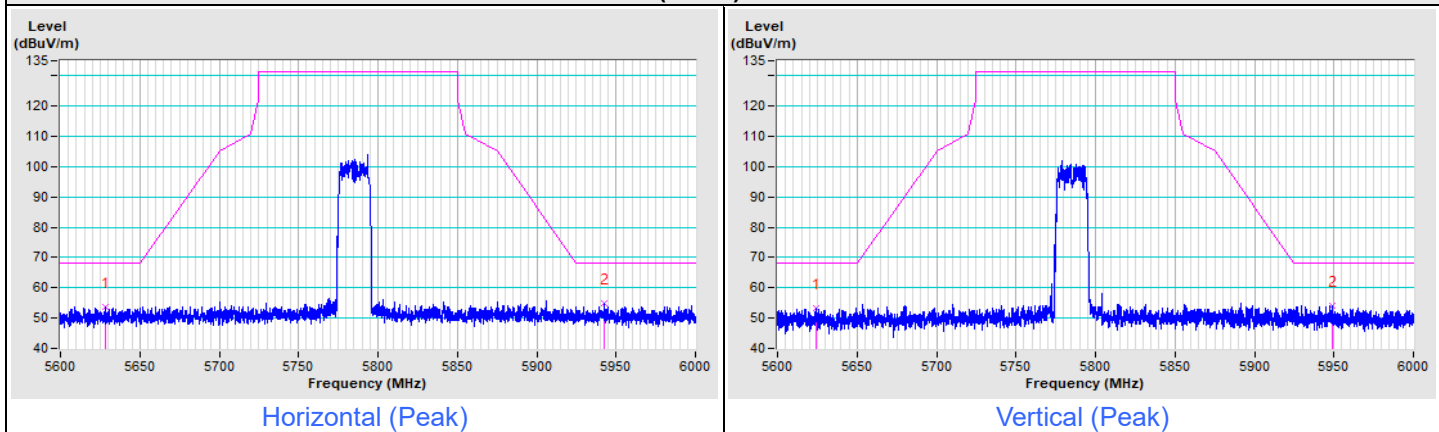
802.11ax (HE20) Channel 144

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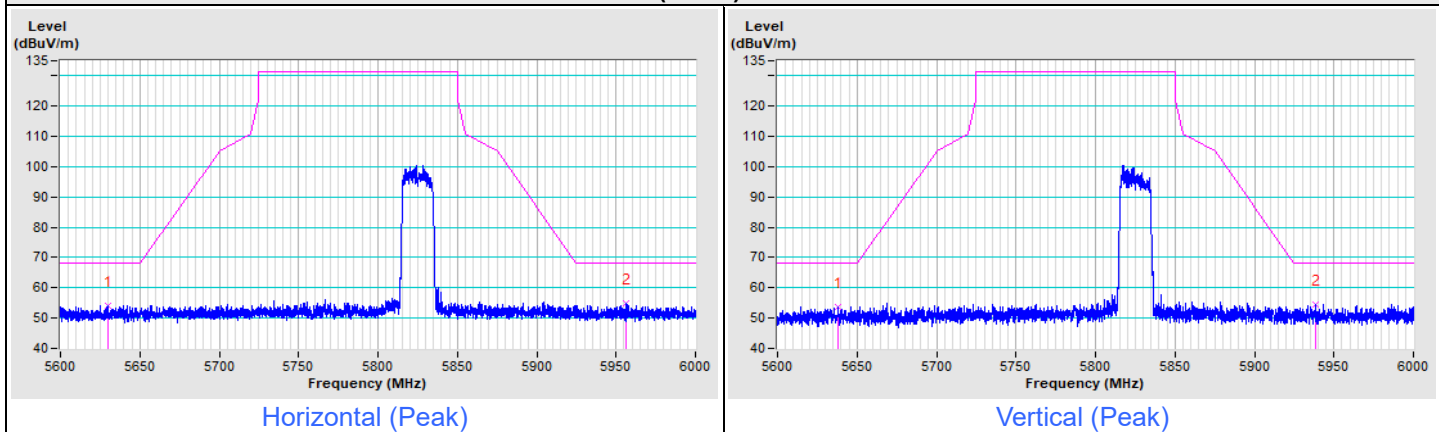
802.11ax (HE20) Channel 149



802.11ax (HE20) Channel 157

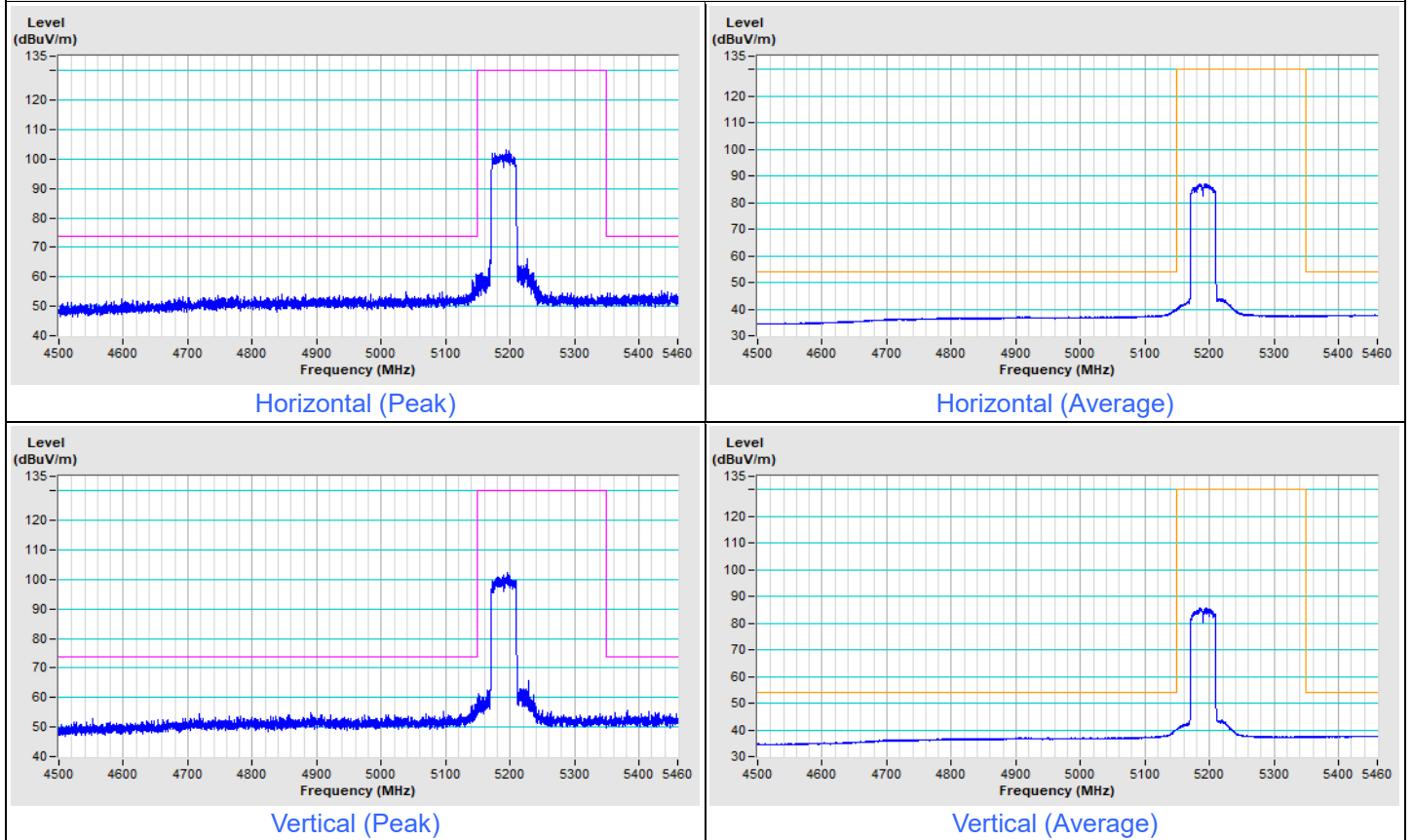


802.11ax (HE20) Channel 165

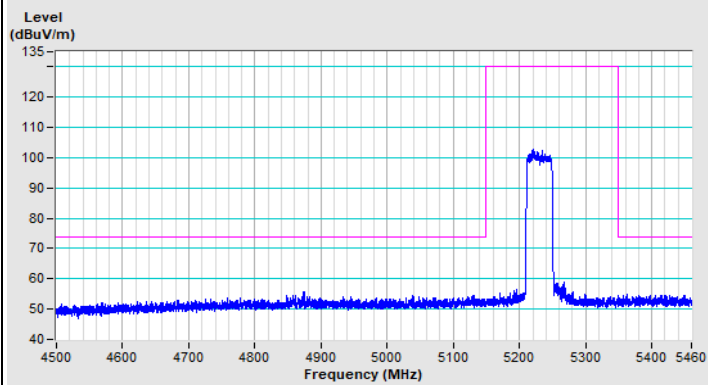


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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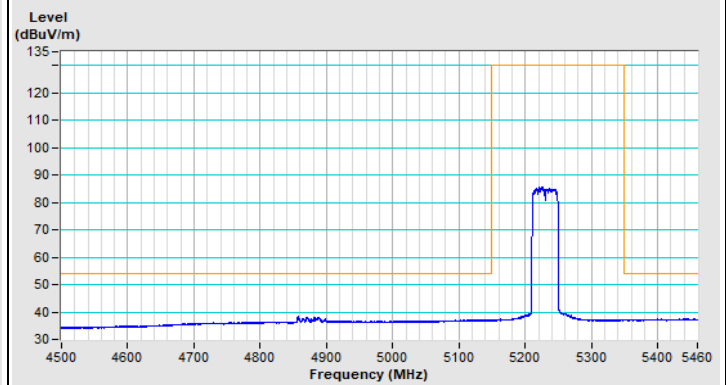
802.11ax (HE40) Channel 38



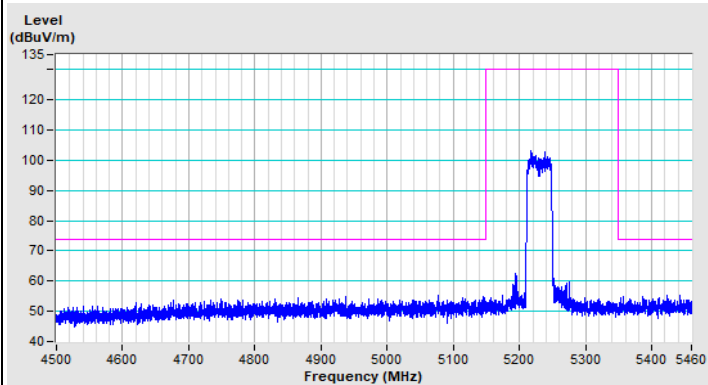
802.11ax (HE40) Channel 46



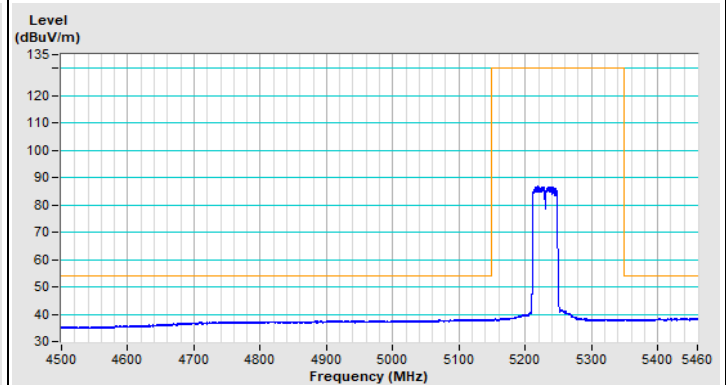
Horizontal (Peak)



Horizontal (Average)

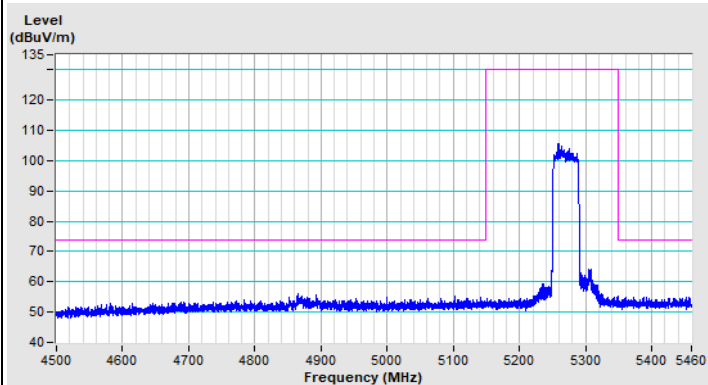


Vertical (Peak)

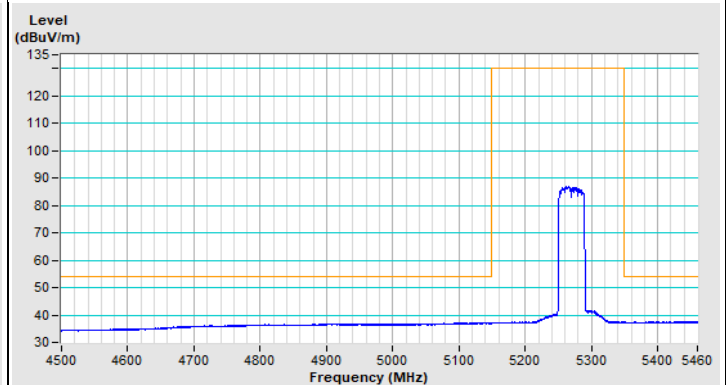


Vertical (Average)

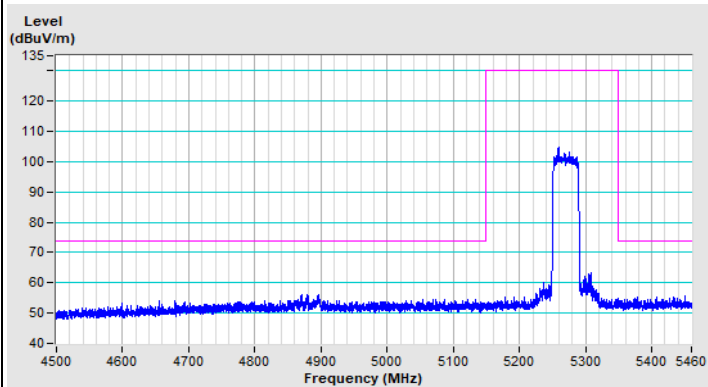
802.11ax (HE40) Channel 54



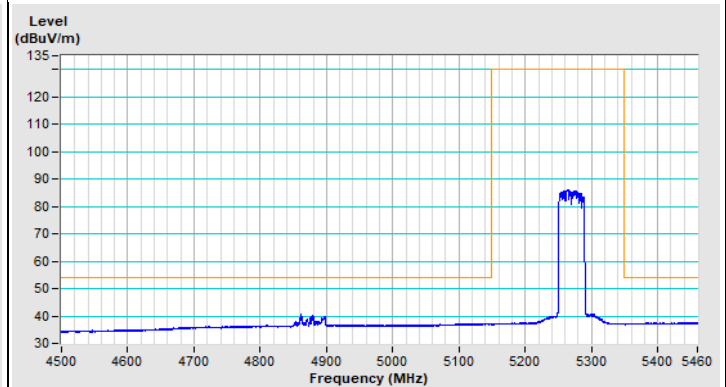
Horizontal (Peak)



Horizontal (Average)

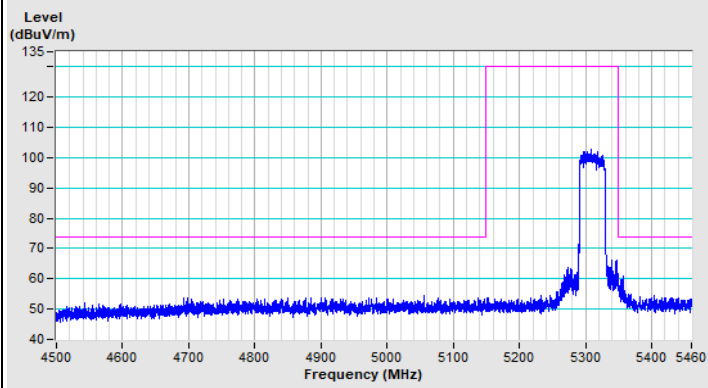


Vertical (Peak)

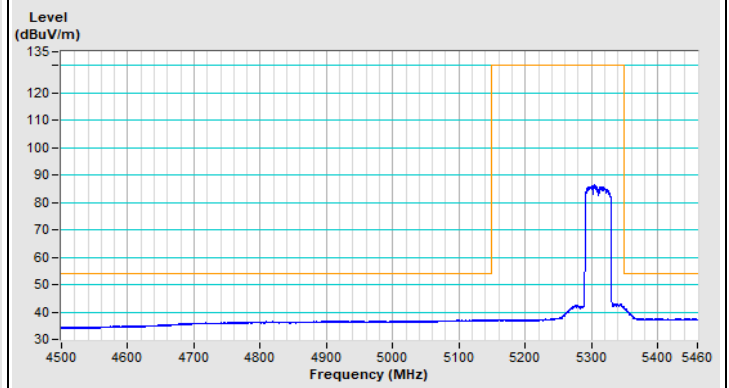


Vertical (Average)

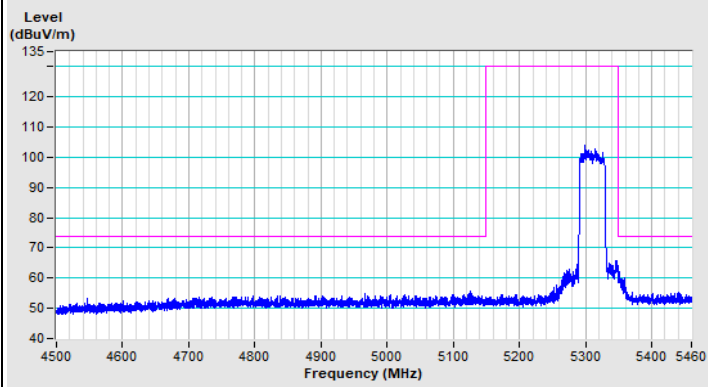
802.11ax (HE40) Channel 62



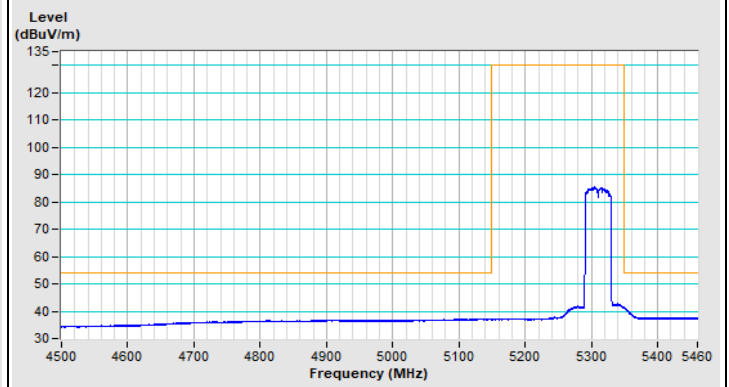
Horizontal (Peak)



Horizontal (Average)



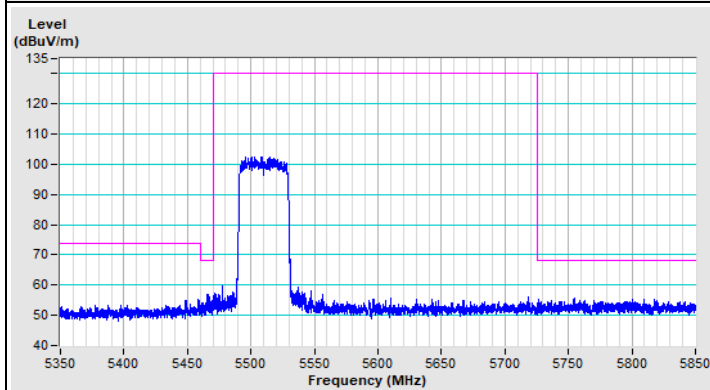
Vertical (Peak)



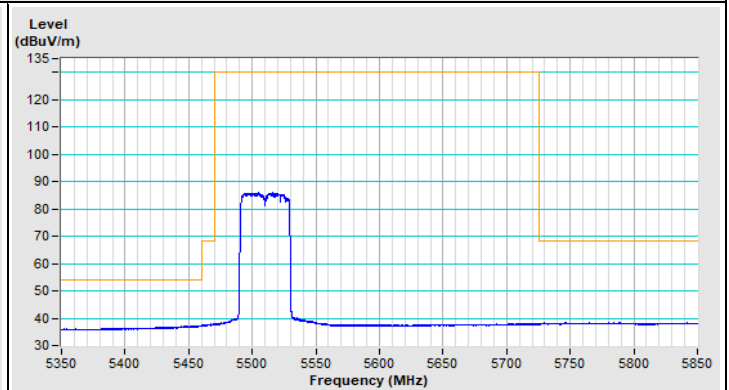
Vertical (Average)

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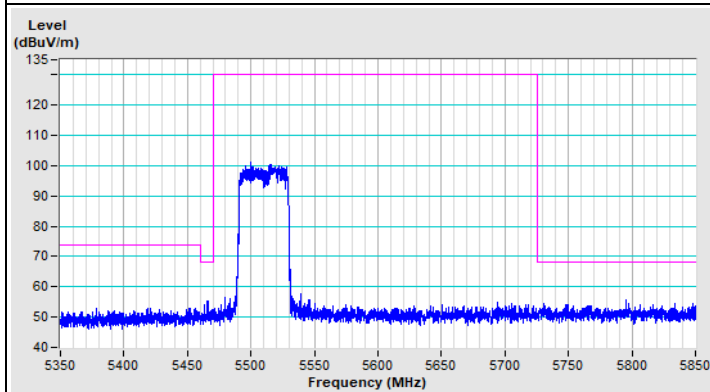
802.11ax (HE40) Channel 102



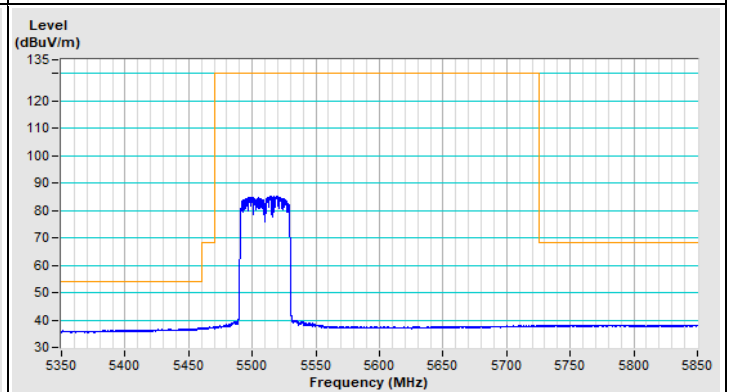
Horizontal (Peak)



Horizontal (Average)

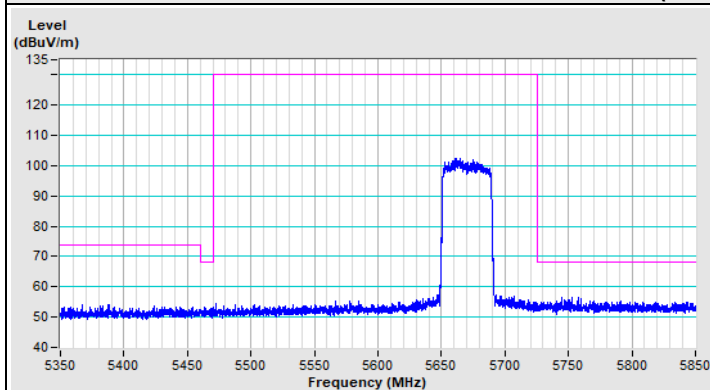


Vertical (Peak)

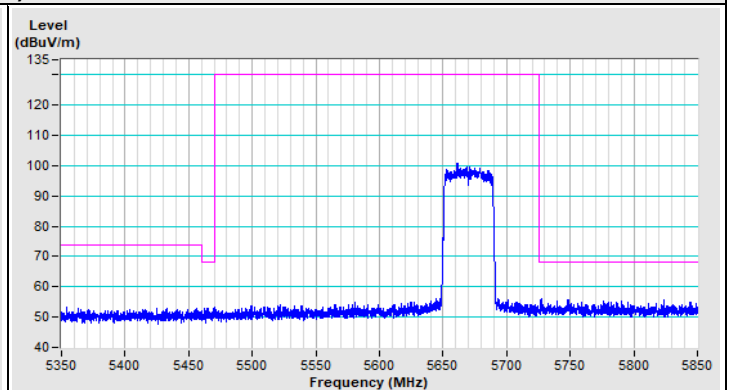


Vertical (Average)

802.11ax (HE40) Channel 134



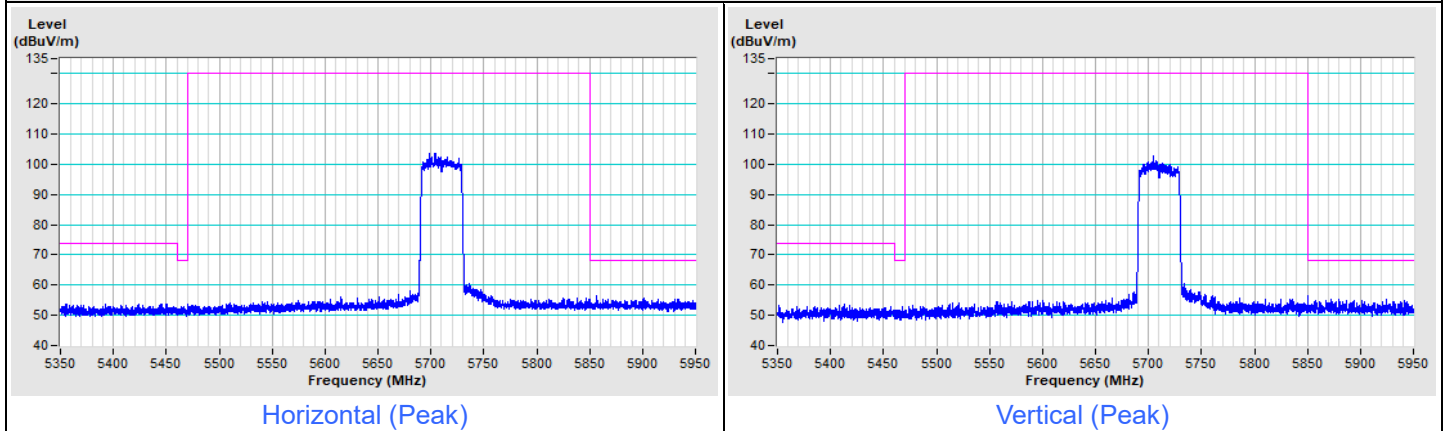
Horizontal (Peak)



Vertical (Peak)

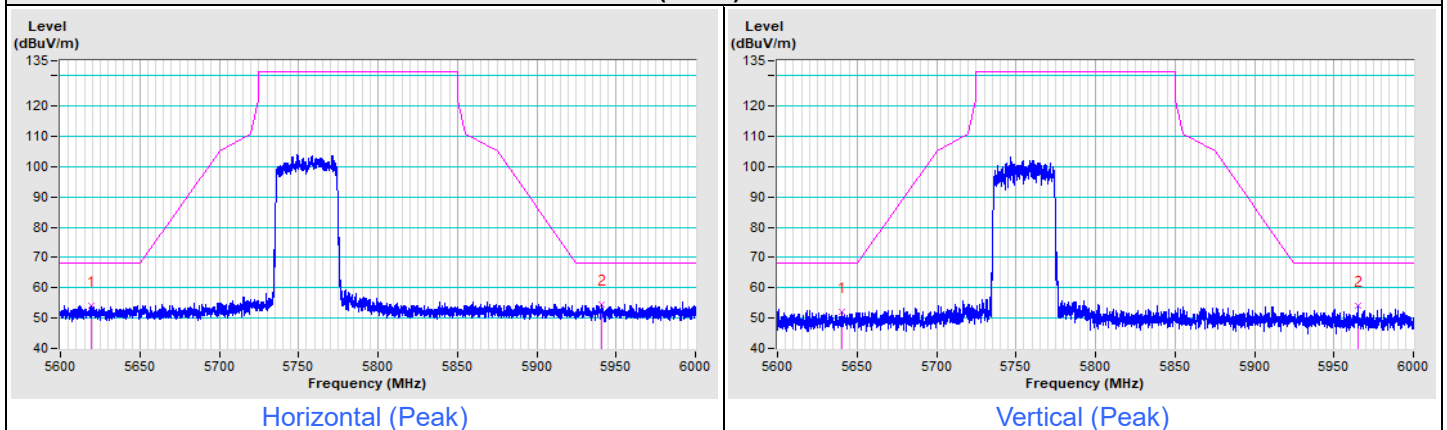
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 142

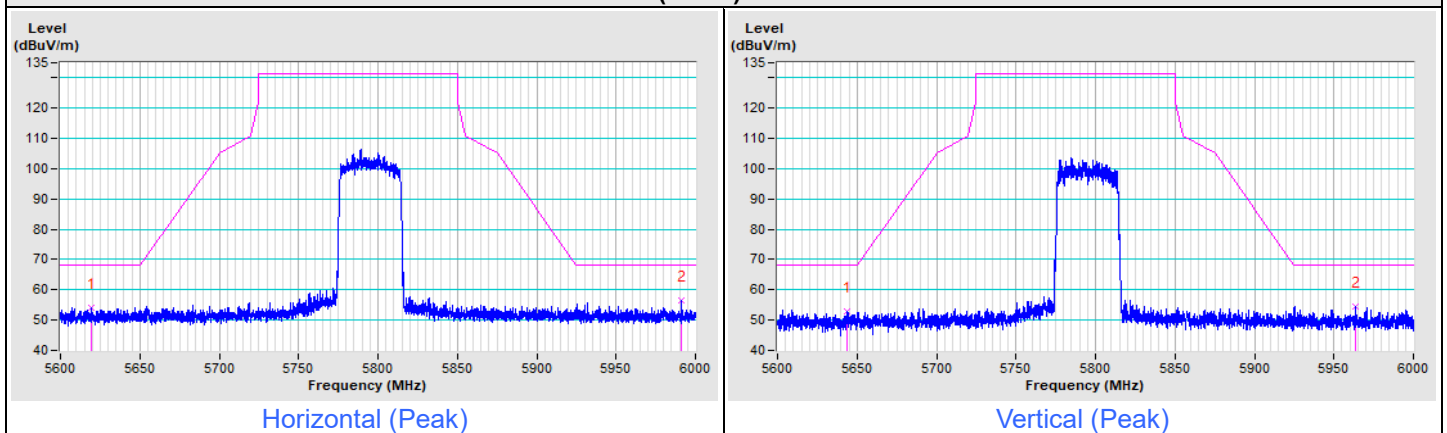


Frequency Range	5.6 GHz ~ 6 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE40) Channel 151

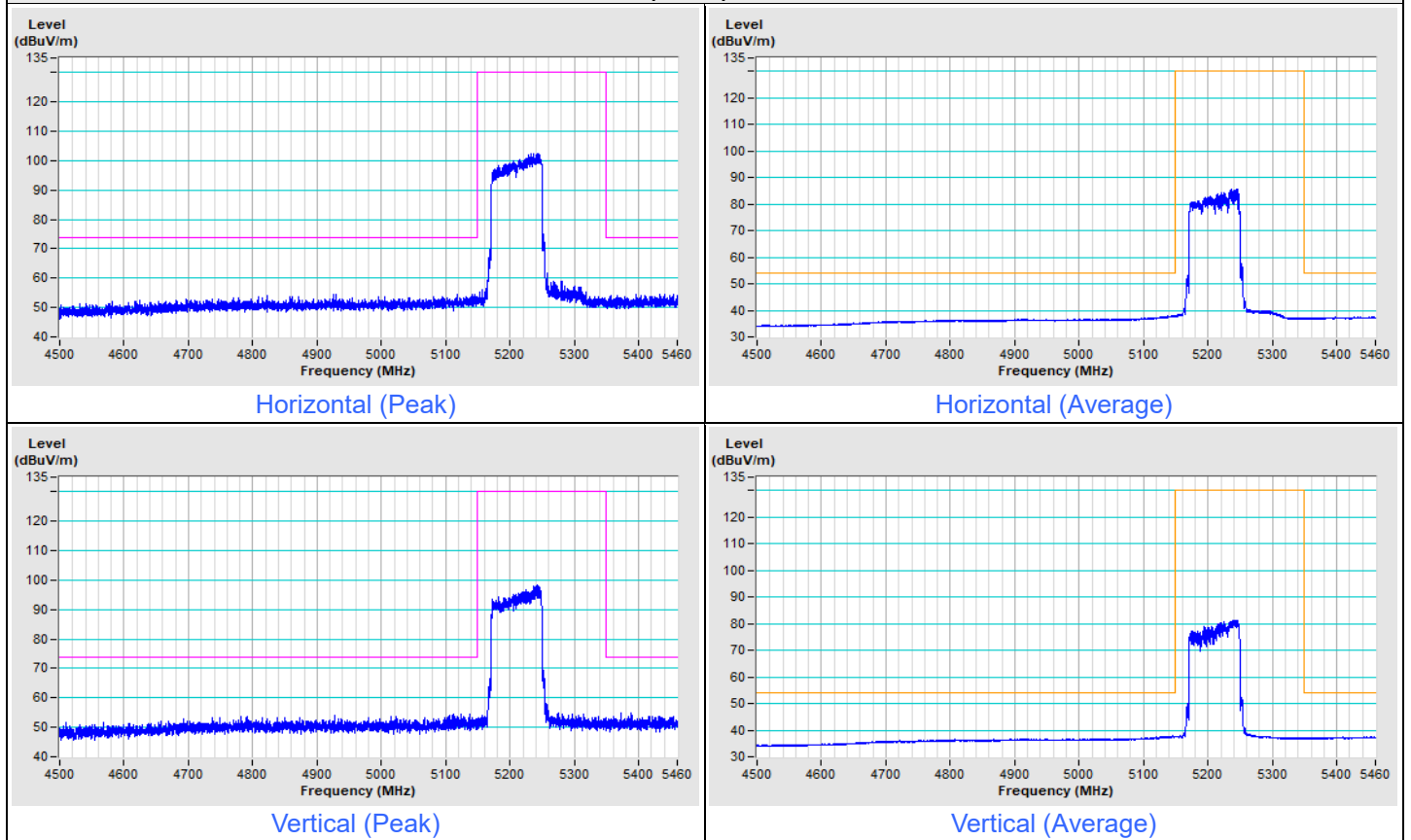


802.11ax (HE40) Channel 159

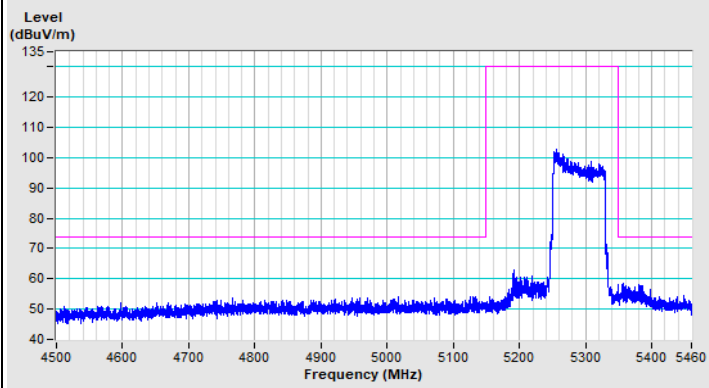


Frequency Range	4.5 GHz ~ 5.46 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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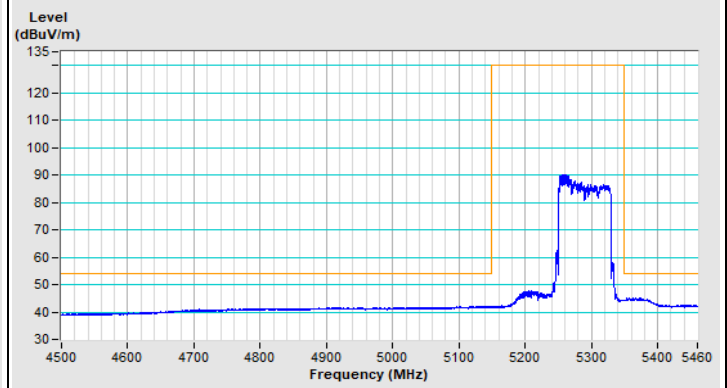
802.11ax (HE80) Channel 42



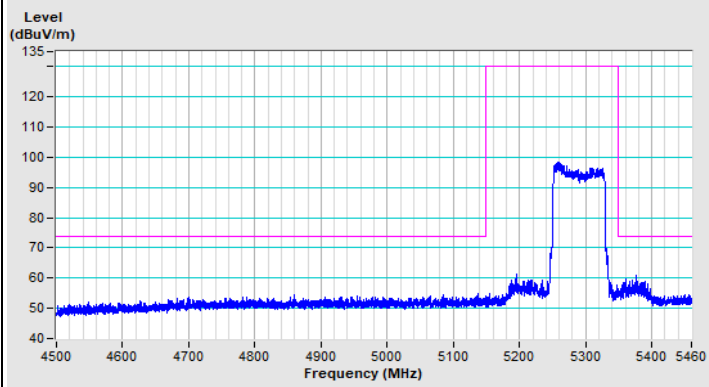
802.11ax (HE80) Channel 58



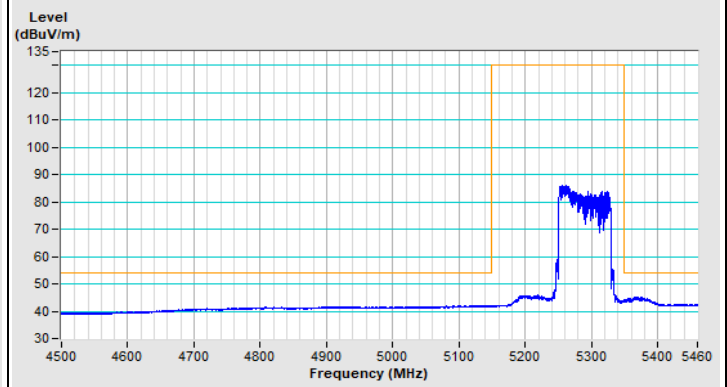
Horizontal (Peak)



Horizontal (Average)



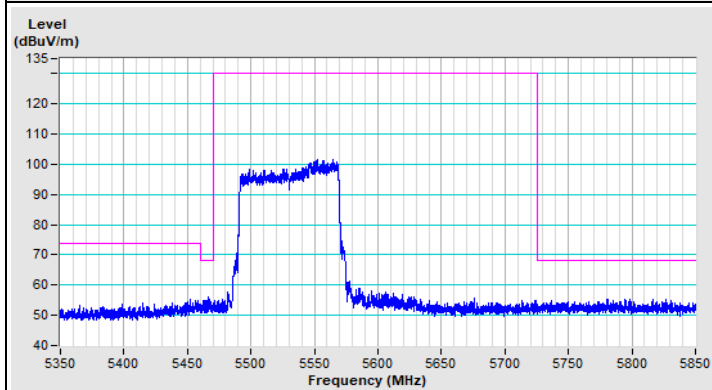
Vertical (Peak)



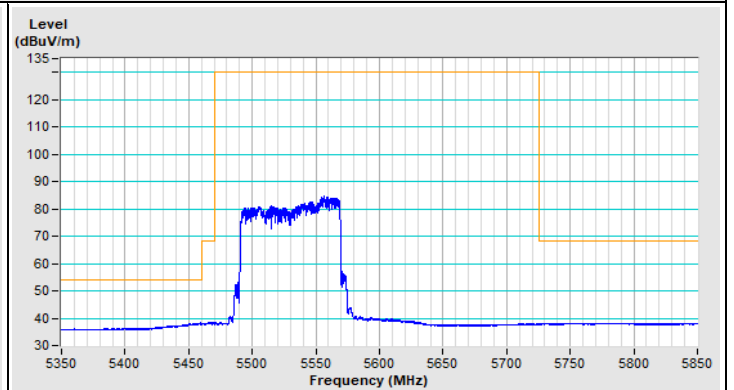
Vertical (Average)

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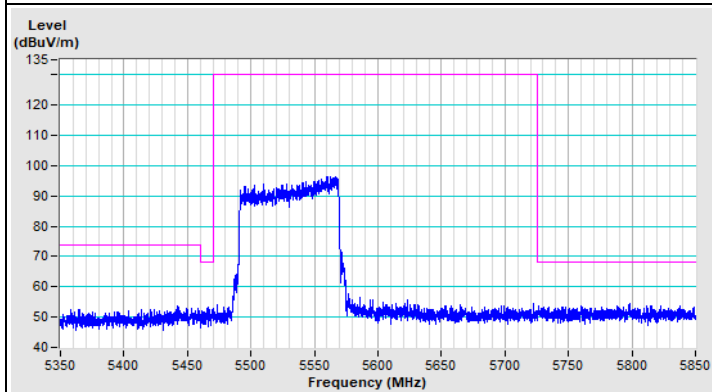
802.11ax (HE80) Channel 106



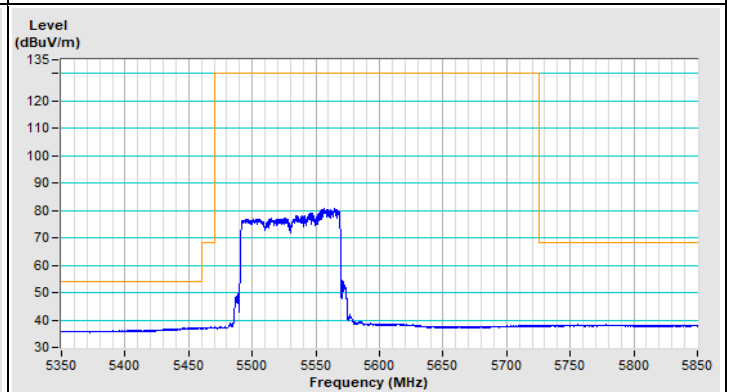
Horizontal (Peak)



Horizontal (Average)

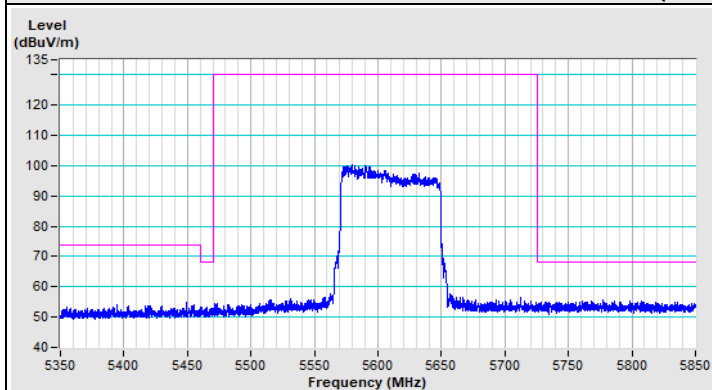


Vertical (Peak)

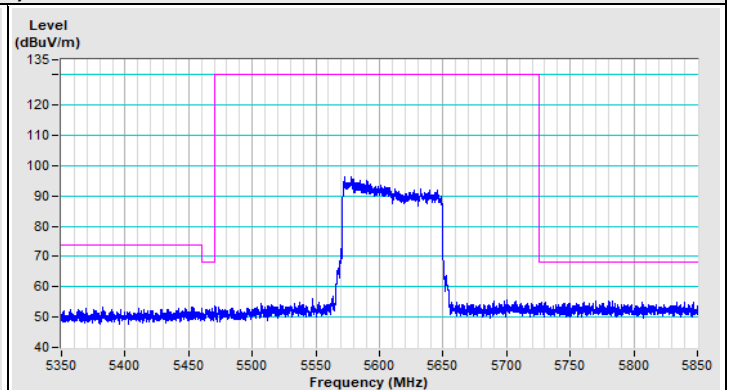


Vertical (Average)

802.11ax (HE80) Channel 122



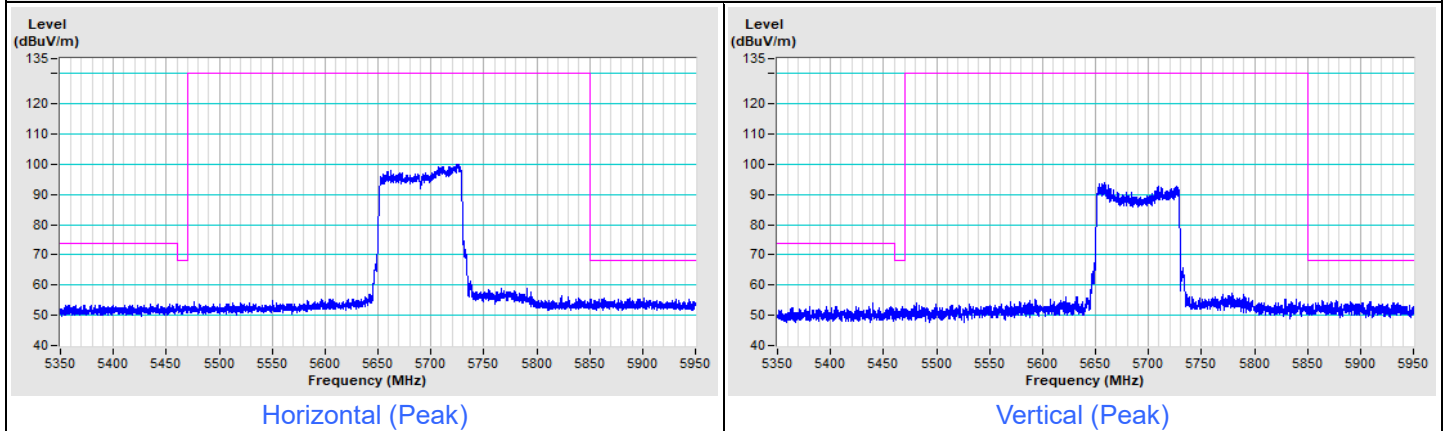
Horizontal (Peak)



Vertical (Peak)

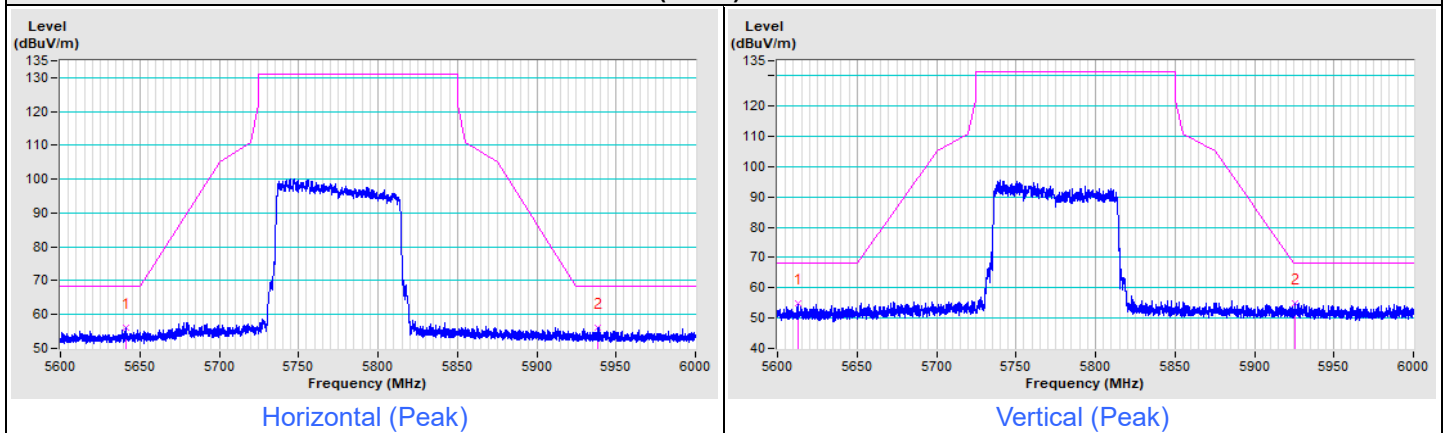
Frequency Range	5.35 GHz ~ 5.95 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak
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802.11ax (HE80) Channel 138



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



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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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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