

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBARR-WTW-P22060042-1

FCC ID: RAS-MT7927

Model No.: MT7927

Received Date: 2022/6/6

Test Date: 2022/6/20 ~ 2022/8/23

Issued Date: 2022/9/8

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 723255 / TW2022

Designation Number:

Approved by: _____, **Date:** 2022/9/8
May Chen / Manager

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Prepared by : Cherry Chuo / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBARR-WTW-P22060042-1	Original release.	2022/9/8

1 Certificate

Product: 2TX 11be (WiFi7) BW320 + BT/BLE Combo Card
Brand: MediaTek
Test Model: MT7927
Sample Status: Engineering sample
Applicant: MediaTek Inc.
Test Date: 2022/6/20 ~ 2022/8/23
Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure: ANSI C63.10-2013
KDB 789033 D02 General UNII Test Procedure New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1/2/3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -16.20 dB at 0.18906 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.0 dB at 299.01 MHz
15.407(b)(1/2/3/4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.1 dB at 5150.00, 5459.20, 5470.00 MHz
15.203	Antenna Requirement	Pass	Antenna connector is ipex(MHF) not a standard connector.

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.5 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.1 dB
	18 GHz ~ 40 GHz	5.3 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	2TX 11be (WiFi7) BW320 + BT/BLE Combo Card
Brand	MediaTek
Test Model	MT7927
Status of EUT	Engineering sample
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode 4096QAM for OFDMA in 11be mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3 Mbps 802.11ax: up to 2401.9 Mbps 802.11be: up to 1441.2 Mbps
Operating Frequency	5180 ~ 5250 MHz 5250 ~ 5320 MHz 5500 ~ 5720 MHz 5745 ~ 5825 MHz
Number of Channel	U-NII-1: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 4 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1 U-NII-2A: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 4 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1 802.11ac (VHT160), 802.11ax (HE160): 1 U-NII-2C: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6 802.11ac (VHT80), 802.11ax (HE80): 3 802.11ac (VHT160), 802.11ax (HE160): 1 U-NII-3: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20), 802.11be (EHT20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40), 802.11be (EHT40): 2 802.11ac (VHT80), 802.11ax (HE80), 802.11be (EHT80): 1
Output Power	5180 ~ 5250 MHz : 238.249 mW (23.77 dBm) 5250 ~ 5320 MHz : 235.681 mW (23.72 dBm) 5500 ~ 5720 MHz : 247.3 mW (23.93 dBm) 5745 ~ 5825 MHz : 556.937 mW (27.46 dBm)
EUT Category	Client device

Note:

1. There are Bluetooth and WLAN (2.4GHz & 5GHz & 6GHz) technology used for the EUT.
2. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (5GHz)	Bluetooth
2	WLAN (6GHz)	Bluetooth
3	WLAN (2.4GHz)	WLAN (5GHz)
4	WLAN (2.4GHz)	WLAN (6GHz)

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set No	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0	PSA	RFMTA340718EMLB302	3.18	2.4~2.4835	PIFA	ipex(MHF)	200
				4.92	5.15~5.895			
	Chain1	PSA	RFMTA340718EMLB302	3.18	2.4~2.4835	PIFA	ipex(MHF)	200
				4.92	5.15~5.895			
2	Chain0	PSA	RFMTA311020EMMB301	1.71	2.4~2.4835	PIFA	ipex(MHF)	200
				4.82	5.15~5.895			
				4.76	5.925~6.425			
				4.29	6.425~6.525			
				4.61	6.525~6.875			
				4.09	6.875~7.125			
	Chain1	PSA	RFMTA311020EMMB301	1.71	2.4~2.4835	PIFA	ipex(MHF)	200
				4.82	5.15~5.895			
				4.76	5.925~6.425			
				4.29	6.425~6.525			
				4.61	6.525~6.875			
				4.09	6.875~7.125			
3	Chain0	PSA	RFMTA421208IMMB701	-4.99	5.925~7.125	PIFA	i-pex(MHF)	300
	Chain1	PSA	RFMTA421208IMMB701	-4.99	5.925~7.125	PIFA	i-pex(MHF)	300

Note:

1. Max. gain was selected for the final test.

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

2. The EUT incorporates a MIMO function:

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ac (VHT160)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX
802.11be (EHT20)	2TX	2RX
802.11be (EHT40)	2TX	2RX
802.11be (EHT80)	2TX	2RX

Note:
The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz), 802.11ac mode for 20MHz (40MHz, 80MHz, 160MHz), 802.11ax mode for 20MHz (40MHz, 80MHz, 160MHz) and 802.11be mode for 20MHz (40MHz, 80MHz) therefore the manufacturer will control the power for 802.11n/ac/ax mode is same as the 802.11be mode & 802.11n/ac mode is same as the 802.11ax mode or more lower than it and investigated worst case to representative mode in test report.

3.3 Channel List

FOR 5180 ~ 5250MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) and 802.11be (EHT20):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40) and 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80) and 802.11be (EHT80):

Channel	Frequency
42	5210 MHz

FOR 5250 ~ 5320 MHz

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

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

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

Channel	Frequency
58	5290 MHz

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

Channel	Frequency
50	5250 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

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

Channel	Frequency
114	5570 MHz

FOR 5745 ~ 5825 MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20) and 802.11be (EHT20):

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) and 802.11be (EHT40):

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80), 802.11ax (HE80) and 802.11be (EHT80):

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT(Antenna) can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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

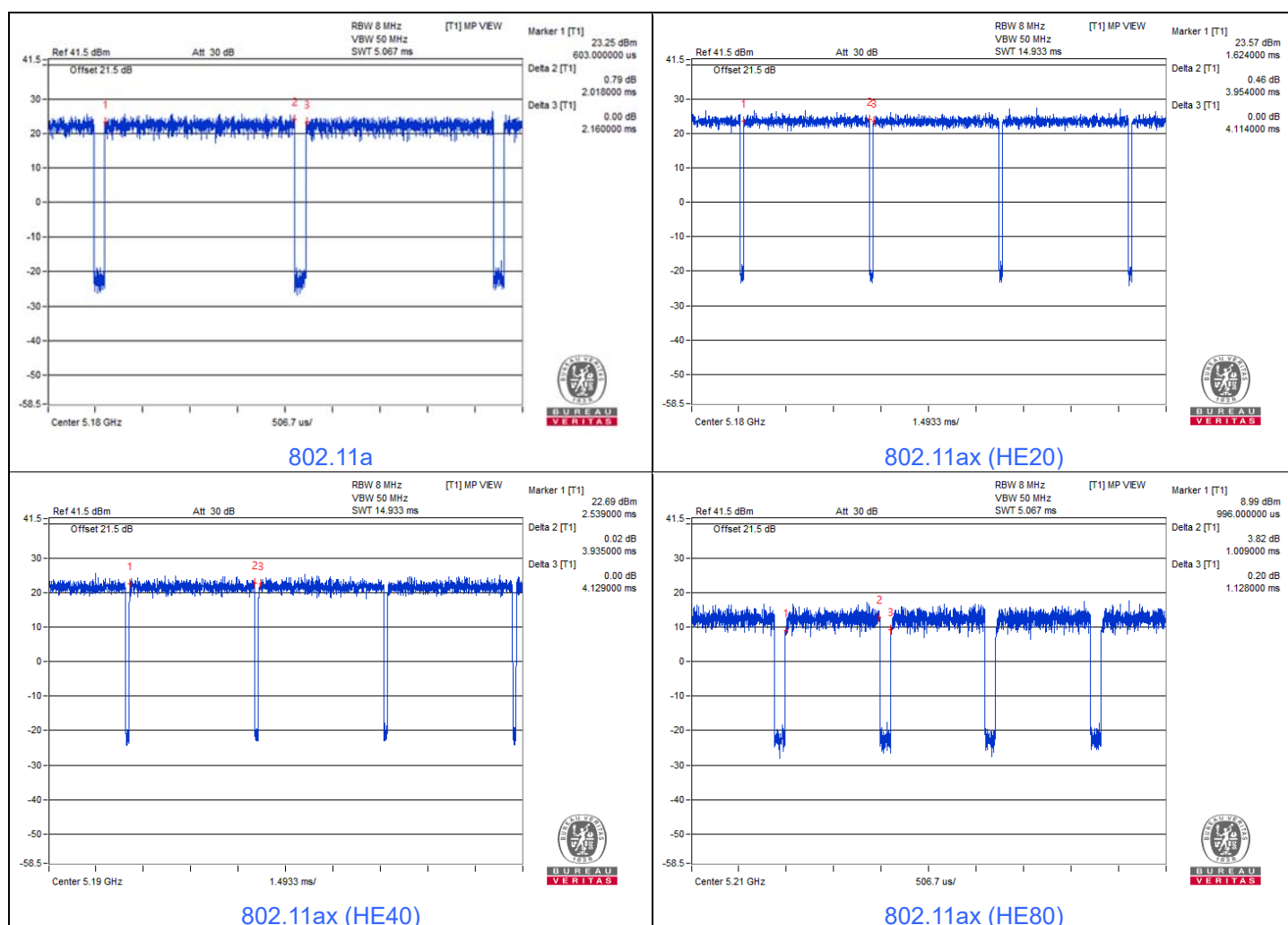
Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
AC Power Conducted Emissions	802.11be (EHT40)	159	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11be (EHT40)	159	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
	802.11be (EHT20)	36, 40, 48, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	38, 46, 151, 159	BPSK	MCS0
	802.11be (EHT80)	42, 155	BPSK	MCS0
RF Output Power / Power Spectral Density / Occupied Bandwidth	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0
	802.11be (EHT20)	36, 40, 48, 149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	38, 46, 151, 159	BPSK	MCS0
	802.11be (EHT80)	42, 155	BPSK	MCS0
26 dB Bandwidth	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	58, 106, 122, 138	BPSK	MCS0
	802.11ax (HE160)	50, 114	BPSK	MCS0

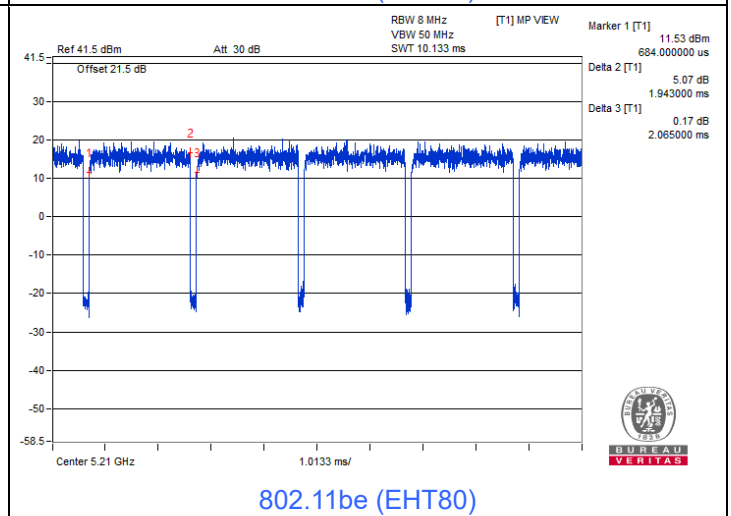
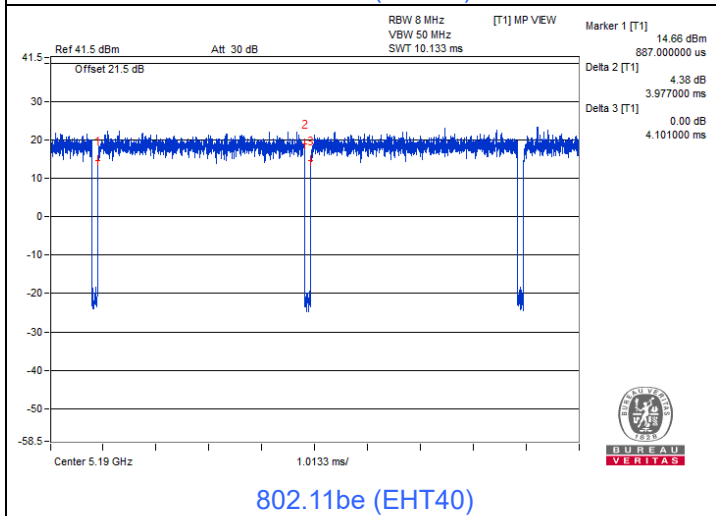
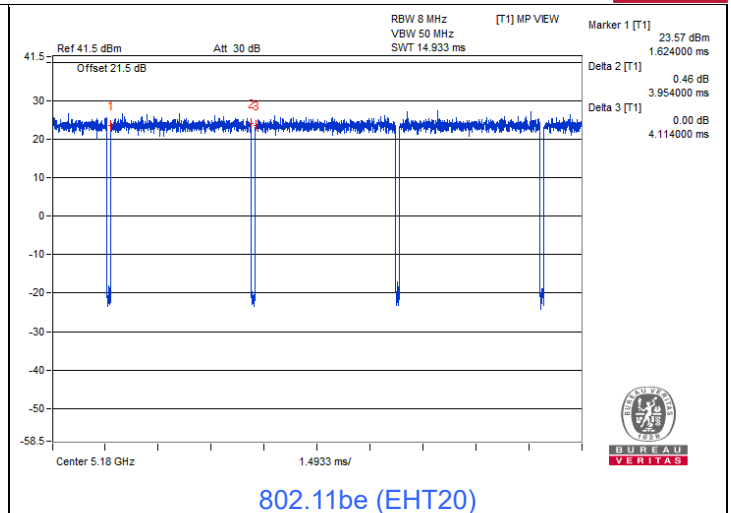
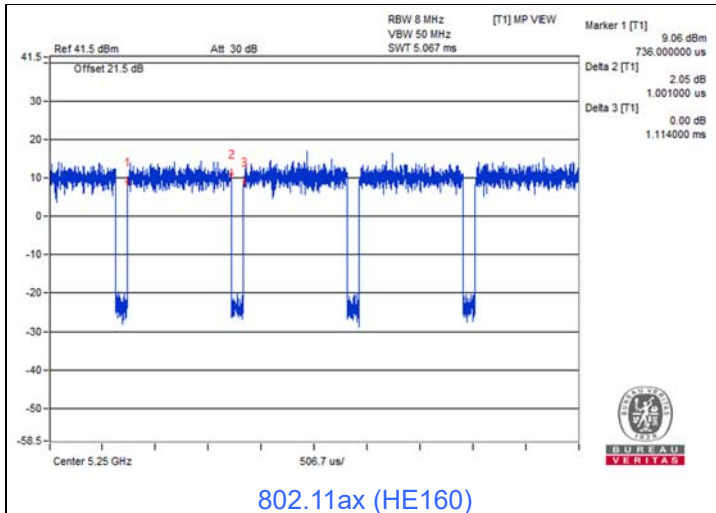
Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
6 dB Bandwidth	802.11a	144, 149, 157, 165	BPSK	6Mb/s
	802.11ax (HE20)	144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	138, 155	BPSK	MCS0
	802.11be (EHT20)	149, 157, 165	BPSK	MCS0
	802.11be (EHT40)	151, 159	BPSK	MCS0
	802.11be (EHT80)	155	BPSK	MCS0
Frequency Stability	802.11a	36	un-modulation	-

3.5 Duty Cycle of Test Signal

Duty cycle of test signal is $\geq 98\%$, duty factor is not required.
Duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11a: Duty cycle = $2.018 \text{ ms} / 2.16 \text{ ms} \times 100\% = 93.4\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.30 \text{ dB}$
802.11ax (HE20): Duty cycle = $3.954 \text{ ms} / 4.114 \text{ ms} \times 100\% = 96.1\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.17 \text{ dB}$
802.11ax (HE40): Duty cycle = $3.935 \text{ ms} / 4.129 \text{ ms} \times 100\% = 95.3\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.21 \text{ dB}$
802.11ax (HE80): Duty cycle = $1.009 \text{ ms} / 1.128 \text{ ms} \times 100\% = 89.5\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.48 \text{ dB}$
802.11ax (HE160): Duty cycle = $1.001 \text{ ms} / 1.114 \text{ ms} \times 100\% = 89.9\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.46 \text{ dB}$
802.11be (EHT20): Duty cycle = $3.954 \text{ ms} / 4.114 \text{ ms} \times 100\% = 96.1\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.17 \text{ dB}$
802.11be (EHT40): Duty cycle = $3.977 \text{ ms} / 4.101 \text{ ms} \times 100\% = 97.0\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.13 \text{ dB}$
802.11be (EHT80): Duty cycle = $1.943 \text{ ms} / 2.065 \text{ ms} \times 100\% = 94.1\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 0.26 \text{ dB}$



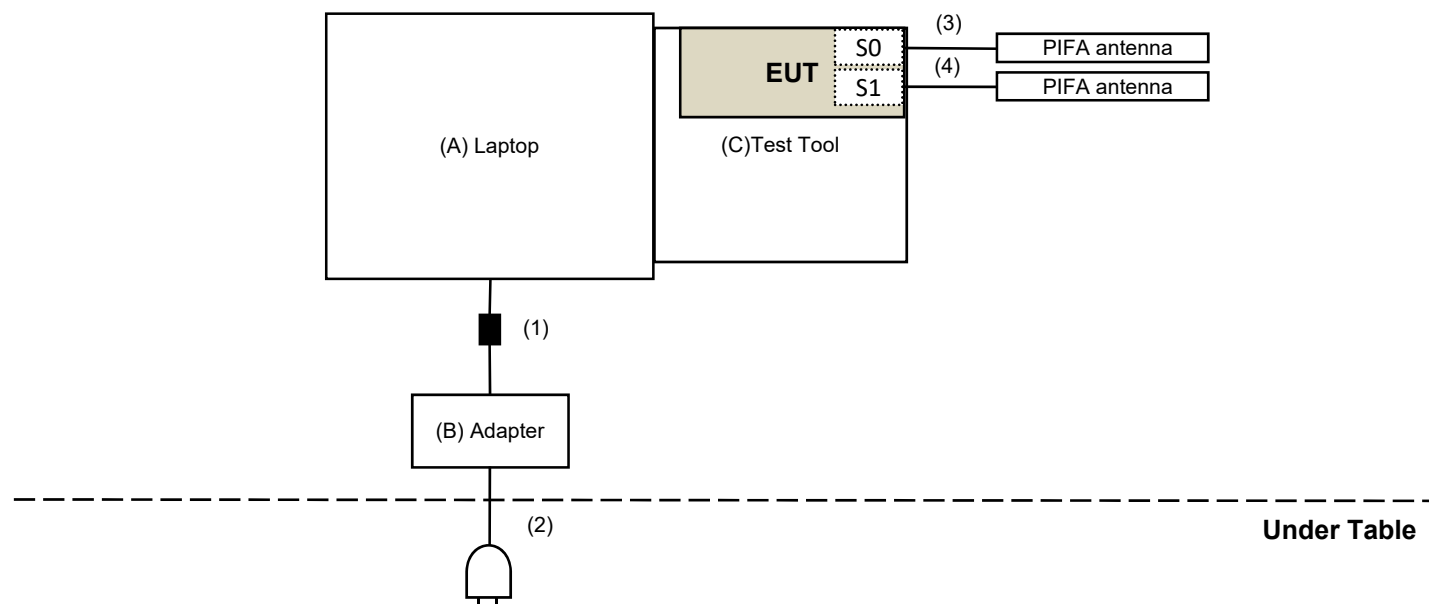


3.6 Test Program Used and Operation Descriptions

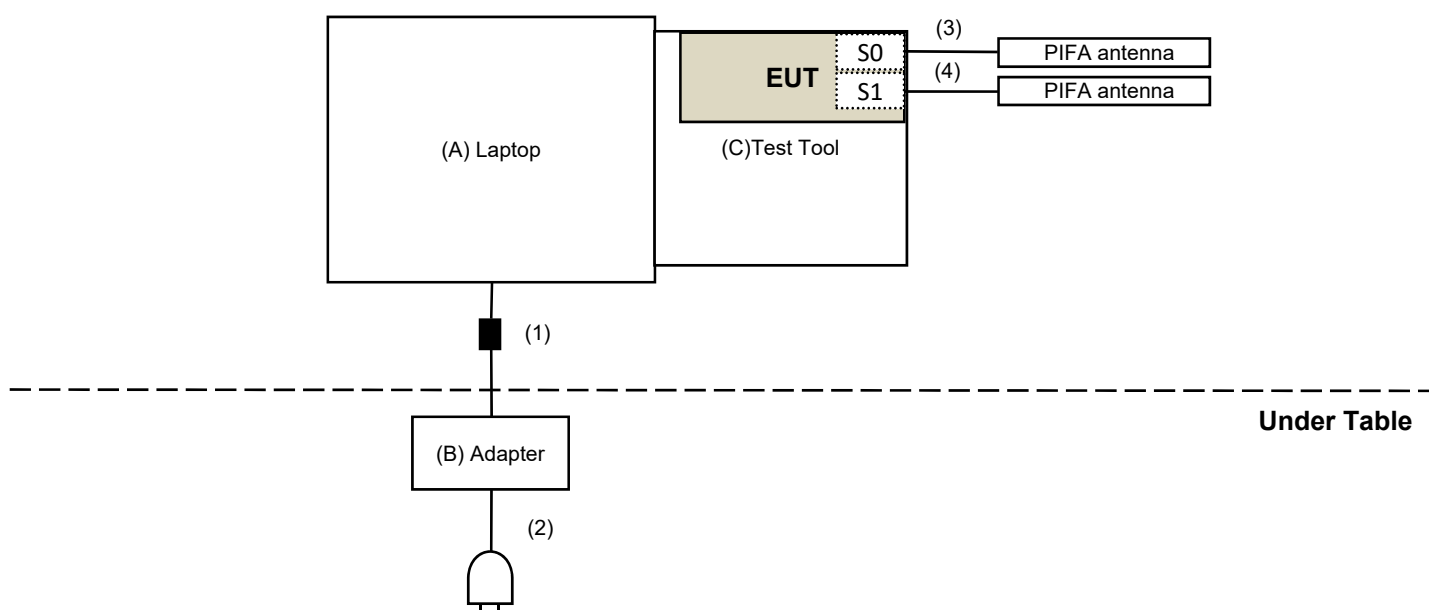
Controlling software (QATool_Dbg.exe (V19)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For AC Power Conducted Emission test



For Unwanted Emission test



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E5430	HYV4VY1	DoC	Provided by Lab
B	Adapter	DELL	LLA65NS2-01	N/A	N/A	Provided by Lab
C	Test Tool	Mediatek	MTK1849	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Provided by Lab
2	AC Cable	1	1	No	0	Provided by Lab
3	RF Cable	1	0.2	No	0	Supplied by applicant
4	RF Cable	1	0.2	No	0	Supplied by applicant

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	101516	2022/3/7	2023/3/6

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/7/27

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
Power Meter Anritsu	ML2495A	1529002	2022/6/22	2023/6/21
Pulse Power Sensor Anritsu	MA2411B	1726434	2022/6/22	2023/6/21
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	101516	2022/3/7	2023/3/6

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/7/27

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2022/4/5	2023/4/4
DC POWER SUPPLY Topward	6603D	795558	N/A	N/A
Software	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	101516	2022/3/7	2023/3/6
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/1/14	2023/1/13
True RMS Clamp Meter Fluke	325	31130711WS	2022/6/9	2023/6/8

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/7/27

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohms Terminator	50	3	2021/10/27	2022/10/26
Fixed attenuator STI	STI02-2200-10	005	2021/8/27	2022/8/26
LISN R&S	ESH3-Z5	848773/004	2021/10/29	2022/10/28
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2021/9/25	2022/9/24
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A
TEST RECEIVER R&S	ESCS 30	847124/029	2021/10/13	2022/10/12

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2022/8/11

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2022/1/10	2023/1/9
LOOP ANTENNA Electro-Metrics	EM-6879	264	2022/3/18	2023/3/17
Pre_Amplifier Agilent	8447D	2944A10636	2022/3/19	2023/3/18
Pre_Amplifier EMCI	EMC330N	980701	2022/3/8	2023/3/7
RF Coaxial Cable COMMATE/PEWC	8D	966-4-1	2022/3/8	2023/3/7
		966-4-2	2022/3/8	2023/3/7
		966-4-3	2022/3/8	2023/3/7
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/1/6	2023/1/5
		LOOPCAB-002	2022/1/6	2023/1/5
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Test Receiver Agilent	N9038A	MY51210202	2021/11/19	2022/11/18
Trilog Broadband Antenna Schwarzbeck	VULB 9168	9168-406	2021/10/27	2022/10/26

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2022/7/29

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2021/11/14	2022/11/13
	BBHA 9170	9170-739	2021/11/14	2022/11/13
Pre_Amplifier EMCI	EMC 12630 SE	980638	2022/4/5	2023/4/4
	EMC184045SE	980387	2022/1/10	2023/1/9
RF Cable-Frequency Range : 1- 26.5GHz EMCI	EMC104-SM-SM-1200	160922	2021/12/24	2022/12/23
RF Cable-Frequency range: 1- 40GHz EMCI	EMC102-KM-KM-1200	160924	2022/1/10	2023/1/9
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2022/3/8	2023/3/7
	EMC104-SM-SM-2000	180502	2022/4/25	2023/4/24
	EMC104-SM-SM-6000	210704	2021/11/9	2022/11/8
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Test Receiver Agilent	N9038A	MY51210202	2021/11/19	2022/11/18

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2022/6/20 ~ 2022/8/23

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 Frequency Stability

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

5.7 AC Power Conducted Emissions

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

Notes:

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

5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

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

5.9 Unwanted Emissions above 1 GHz

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

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

Notes:

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

Limits of unwanted emission out of the restricted bands

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)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
5150~5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	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. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. ^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

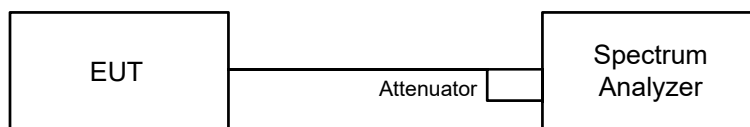
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

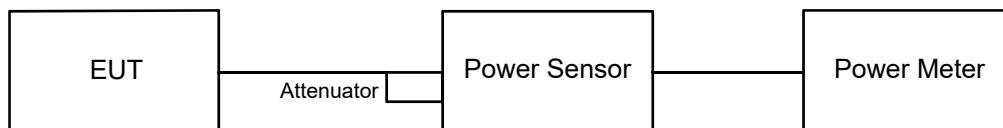


6.1.2 Test Procedure

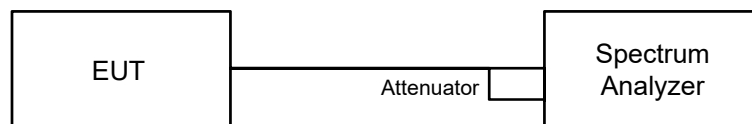
- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

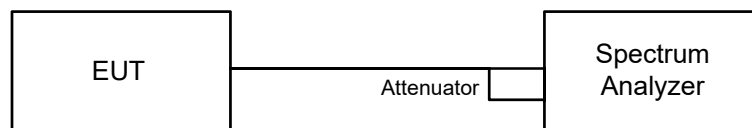
Method SA-2

- 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.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add $10 \log (1/\text{duty cycle})$.

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-2

- 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.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add 10 log (1/duty cycle).

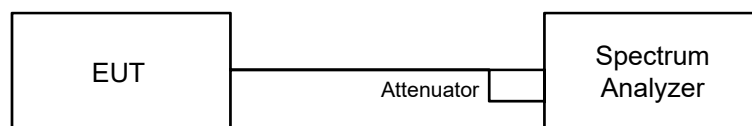
For specified measurement bandwidth 500 kHz:

Method SA-2

- 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.
- Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- Record the max value and add 10 log (1/duty cycle).

6.4 6 dB Bandwidth

6.4.1 Test Setup

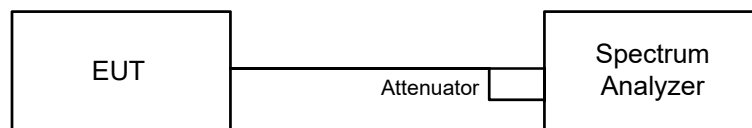


6.4.2 Test Procedure

- 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 Frequency Stability

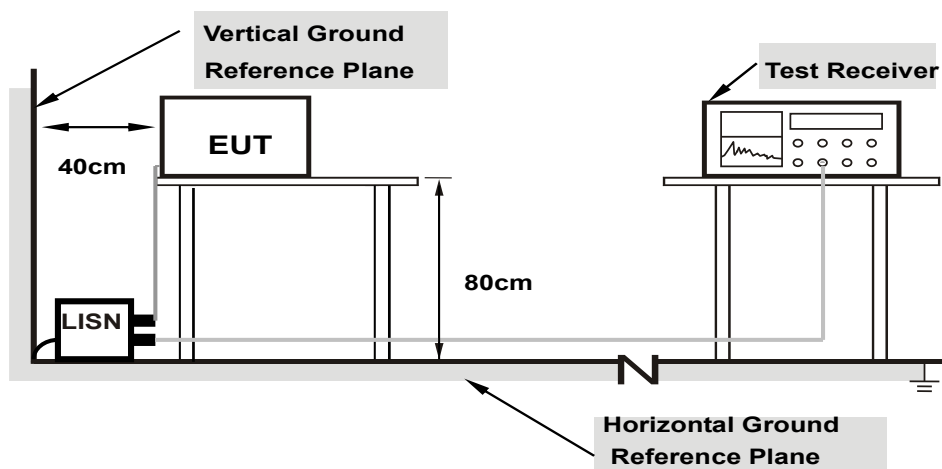
6.6.1 Test Setup

6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

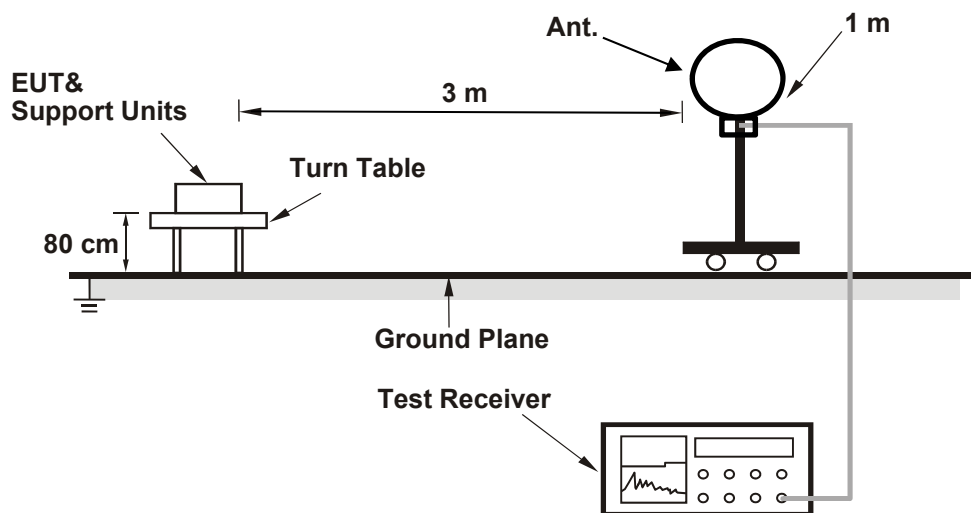
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

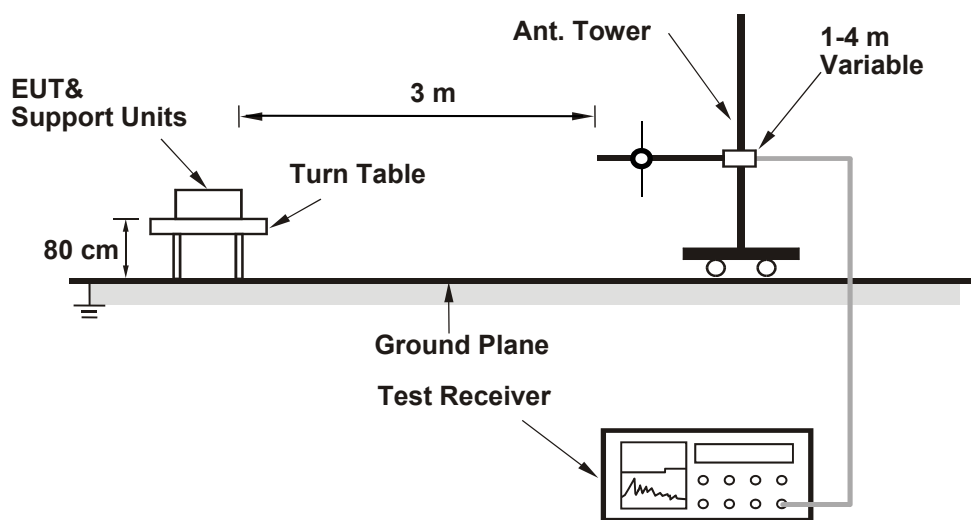
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

Notes:

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

For Radiated emission above 30 MHz

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

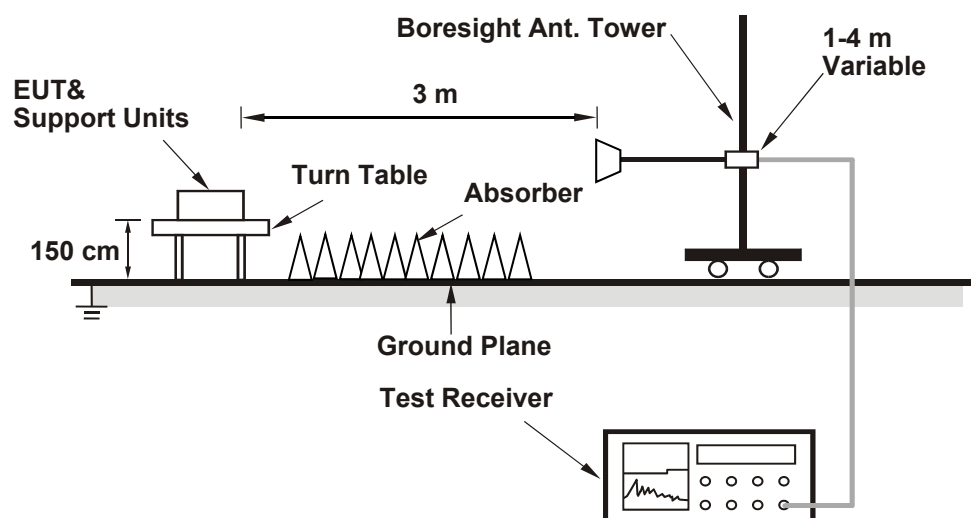
Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

For Radiated emission above 1 GHz



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

6.9.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	27.23	26.30
60	5300	29.02	26.73
64	5320	28.89	27.62
100	5500	28.82	29.01
116	5580	27.60	28.93
140	5700	27.62	27.66
144 (U-NII-2C)	5720	18.44	19.03

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	26.30	25.19 > 24
60	5300	26.73	25.26 > 24
64	5320	27.62	25.41 > 24
100	5500	28.82	25.59 > 24
116	5580	27.60	25.4 > 24
140	5700	27.62	25.41 > 24
144 (U-NII-2C)	5720	18.44	23.65 < 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	20.09	23.19
60	5300	20.56	22.61
64	5320	23.07	25.94
100	5500	21.02	24.50
116	5580	20.76	26.33
140	5700	21.29	22.41
144 (U-NII-2C)	5720	19.82	15.94

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	20.09	24.02 > 24
60	5300	20.56	24.13 > 24
64	5320	23.07	24.63 > 24
100	5500	21.02	24.22 > 24
116	5580	20.76	24.17 > 24
140	5700	21.29	24.28 > 24
144 (U-NII-2C)	5720	15.94	23.02 < 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	63.32	41.12
62	5310	40.32	40.33
102	5510	42.15	45.43
110	5550	68.03	73.50
134	5670	61.86	61.81
142 (U-NII-2C)	5710	47.86	52.63

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	41.12	27.14 > 24
62	5310	40.32	27.05 > 24
102	5510	42.15	27.24 > 24
110	5550	68.03	29.32 > 24
134	5670	61.81	28.91 > 24
142 (U-NII-2C)	5710	47.86	27.79 > 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	113.30	115.71
106	5530	99.39	96.98
122	5610	174.82	169.47
138 (U-NII-2C)	5690	103.96	102.35

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	113.30	31.54 > 24
106	5530	96.98	30.86 > 24
122	5610	169.47	33.29 > 24
138 (U-NII-2C)	5690	102.35	31.1 > 24

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

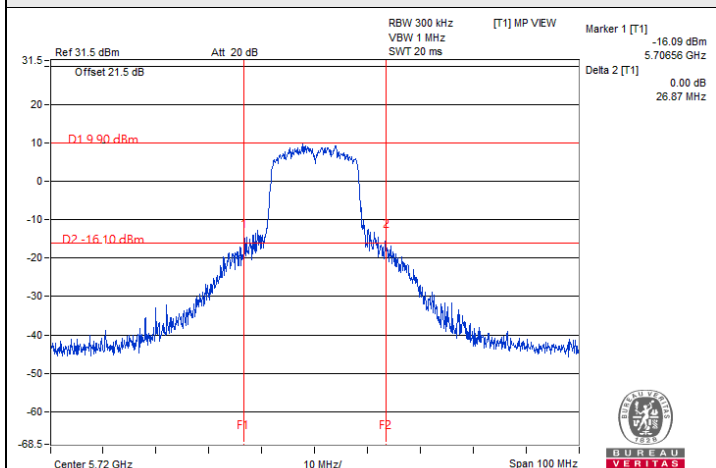
802.11ax (HE160)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-2A)	5250	82.92	82.86
114	5570	165.69	166.62

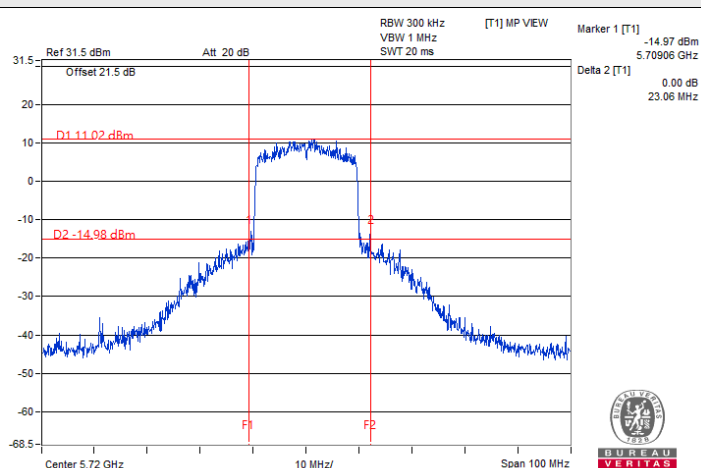
Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
50 (U-NII-2A)	5250	82.86	30.18 > 24
114	5570	165.69	33.19 > 24

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

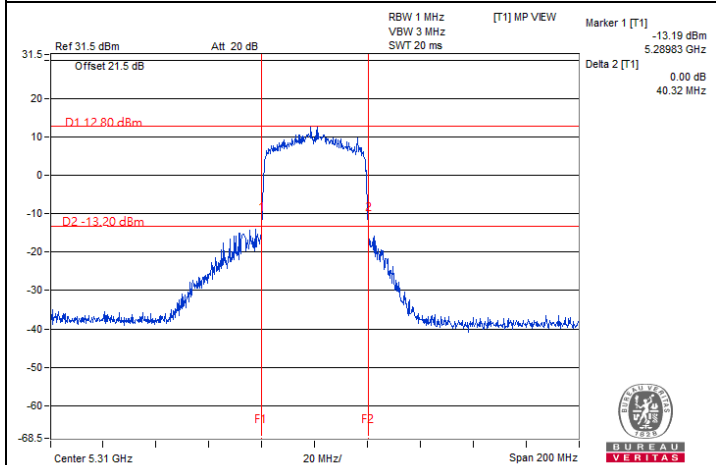
Spectrum Plot of Minimum Value



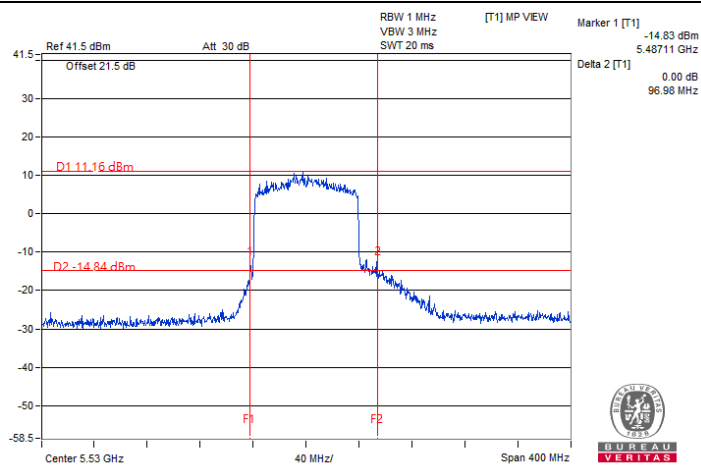
802.11a / Chain0 : CH 144 (U-NII-2C)



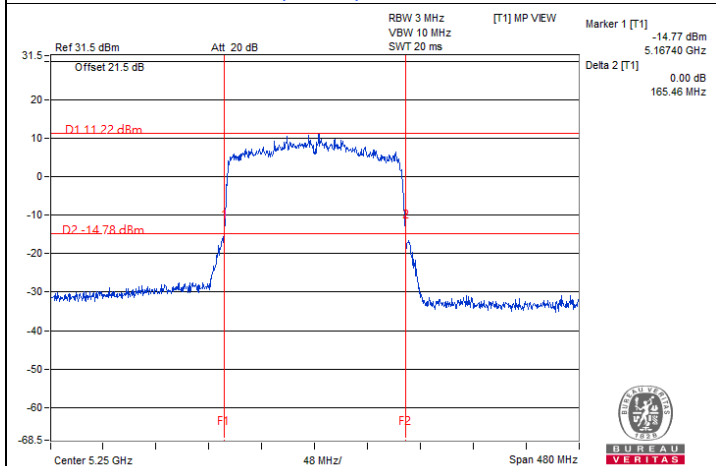
802.11ax (HE20) / Chain1 : CH 144 (U-NII-2C)



802.11ax (HE40) / Chain0 : CH 62



802.11ax (HE80) / Chain1 : CH 106



802.11ax (HE160) / Chain1 : CH 50 (U-NII-2A)

Notes:

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

7.2 RF Output Power

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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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	18.53	18.98	150.353	21.77	24	Pass
40	5200	18.61	18.95	151.134	21.79	24	Pass
48	5240	18.67	18.96	152.325	21.83	24	Pass
52	5260	18.64	19.01	152.73	21.84	24	Pass
60	5300	18.66	18.89	150.898	21.79	24	Pass
64	5320	18.66	18.91	151.255	21.80	24	Pass
100	5500	18.62	19.03	152.761	21.84	24	Pass
116	5580	18.76	18.92	153.145	21.85	24	Pass
140	5700	18.61	18.88	149.879	21.76	24	Pass
*144 (U-NII-2C)	5720	17.78	18.29	136.399	21.35	23.65	Pass
*144 (U-NII-3)	5720	9.58	11.23	23.925	13.79	30	Pass
149	5745	23.14	24.03	458.993	26.62	30	Pass
157	5785	22.95	24.01	449.01	26.52	30	Pass
165	5825	23.05	23.74	438.429	26.42	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 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	18.62	19.28	157.501	21.97	24	Pass
40	5200	18.77	19.17	157.939	21.98	24	Pass
48	5240	18.58	18.87	149.201	21.74	24	Pass
52	5260	18.58	19.00	151.544	21.81	24	Pass
60	5300	18.42	18.81	145.535	21.63	24	Pass
64	5320	18.41	18.95	147.866	21.70	24	Pass
100	5500	18.42	18.99	148.753	21.72	24	Pass
116	5580	18.58	18.91	149.914	21.76	24	Pass
140	5700	17.90	18.29	129.112	21.11	24	Pass
*144 (U-NII-2C)	5720	18.10	18.50	140.837	21.49	23.02	Pass
*144 (U-NII-3)	5720	11.73	11.66	30.745	14.88	30	Pass
149	5745	22.83	23.87	435.648	26.39	30	Pass
157	5785	22.49	23.79	416.751	26.20	30	Pass
165	5825	22.71	23.60	415.725	26.19	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 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	15.67	15.69	73.966	18.69	24	Pass
46	5230	20.38	20.51	221.605	23.46	24	Pass
54	5270	20.28	20.58	220.947	23.44	24	Pass
62	5310	15.57	16.21	77.841	18.91	24	Pass
102	5510	15.02	15.85	70.228	18.47	24	Pass
110	5550	20.56	20.84	235.102	23.71	24	Pass
134	5670	19.26	19.66	176.803	22.47	24	Pass
*142 (U-NII-2C)	5710	19.92	20.39	217.804	23.38	24	Pass
*142 (U-NII-3)	5710	8.72	8.76	15.701	11.96	30	Pass
151	5755	22.21	23.21	375.753	25.75	30	Pass
159	5795	23.82	24.52	524.13	27.19	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 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	14.41	14.72	57.254	17.58	24	Pass
58	5290	15.42	15.59	71.058	18.52	24	Pass
106	5530	15.33	15.70	71.273	18.53	24	Pass
122	5610	19.80	19.93	193.9	22.88	24	Pass
*138 (U-NII-2C)	5690	19.16	19.99	203.67	23.09	24	Pass
*138 (U-NII-3)	5690	4.09	5.63	6.954	8.42	30	Pass
155	5775	18.81	19.44	163.935	22.15	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ac (VHT160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	10.53	10.32	24.553	13.90	24	Pass
*50 (U-NII-2A)	5250	10.28	10.54	24.472	13.89	24	Pass
114	5570	14.91	15.17	63.859	18.05	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 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	18.88	19.56	167.633	22.24	24	Pass
40	5200	19.01	19.44	167.518	22.24	24	Pass
48	5240	18.86	19.15	159.137	22.02	24	Pass
52	5260	18.78	19.25	159.649	22.03	24	Pass
60	5300	18.62	19.03	152.761	21.84	24	Pass
64	5320	18.64	19.18	155.908	21.93	24	Pass
100	5500	18.65	19.20	156.459	21.94	24	Pass
116	5580	18.83	19.14	158.419	22.00	24	Pass
140	5700	18.17	18.53	136.9	21.36	24	Pass
*144 (U-NII-2C)	5720	18.10	18.50	140.837	21.49	23.02	Pass
*144 (U-NII-3)	5720	11.73	11.66	30.745	14.88	30	Pass
149	5745	23.11	24.15	464.66	26.67	30	Pass
157	5785	22.76	24.03	441.729	26.45	30	Pass
165	5825	22.95	23.83	438.788	26.42	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 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	15.91	15.93	78.168	18.93	24	Pass
46	5230	20.63	20.78	235.285	23.72	24	Pass
54	5270	20.55	20.87	235.681	23.72	24	Pass
62	5310	15.83	16.49	82.848	19.18	24	Pass
102	5510	15.31	16.06	74.327	18.71	24	Pass
110	5550	20.79	21.05	247.3	23.93	24	Pass
134	5670	19.46	19.91	186.257	22.70	24	Pass
*142 (U-NII-2C)	5710	19.92	20.39	217.804	23.38	24	Pass
*142 (U-NII-3)	5710	8.72	8.76	15.701	11.96	30	Pass
151	5755	22.44	23.47	397.719	26.00	30	Pass
159	5795	24.04	24.74	551.365	27.41	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 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	14.62	14.93	60.091	17.79	24	Pass
58	5290	15.63	15.88	75.285	18.77	24	Pass
106	5530	15.57	15.96	75.504	18.78	24	Pass
122	5610	20.03	20.16	204.446	23.11	24	Pass
*138 (U-NII-2C)	5690	19.16	19.99	203.67	23.09	24	Pass
*138 (U-NII-3)	5690	4.09	5.63	6.954	8.42	30	Pass
155	5775	19.04	19.66	172.638	22.37	30	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
*50 (U-NII-1)	5250	10.53	10.32	24.553	13.90	24	Pass
*50 (U-NII-2A)	5250	10.28	10.54	24.472	13.89	24	Pass
114	5570	15.16	15.46	67.966	18.32	24	Pass

Notes:

- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
36	5180	19.06	19.44	168.44	22.26	24	Pass
40	5200	19.19	19.32	168.492	22.27	24	Pass
48	5240	18.88	19.22	160.828	22.06	24	Pass
149	5745	23.21	24.16	470.027	26.72	30	Pass
157	5785	23.31	23.72	449.794	26.53	30	Pass
165	5825	23.34	23.56	442.761	26.46	30	Pass

Notes:

- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
38	5190	16.24	15.73	79.484	19.00	24	Pass
46	5230	20.77	20.75	238.249	23.77	24	Pass
151	5755	22.58	23.43	401.427	26.04	30	Pass
159	5795	23.98	24.87	556.937	27.46	30	Pass

Notes:

- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

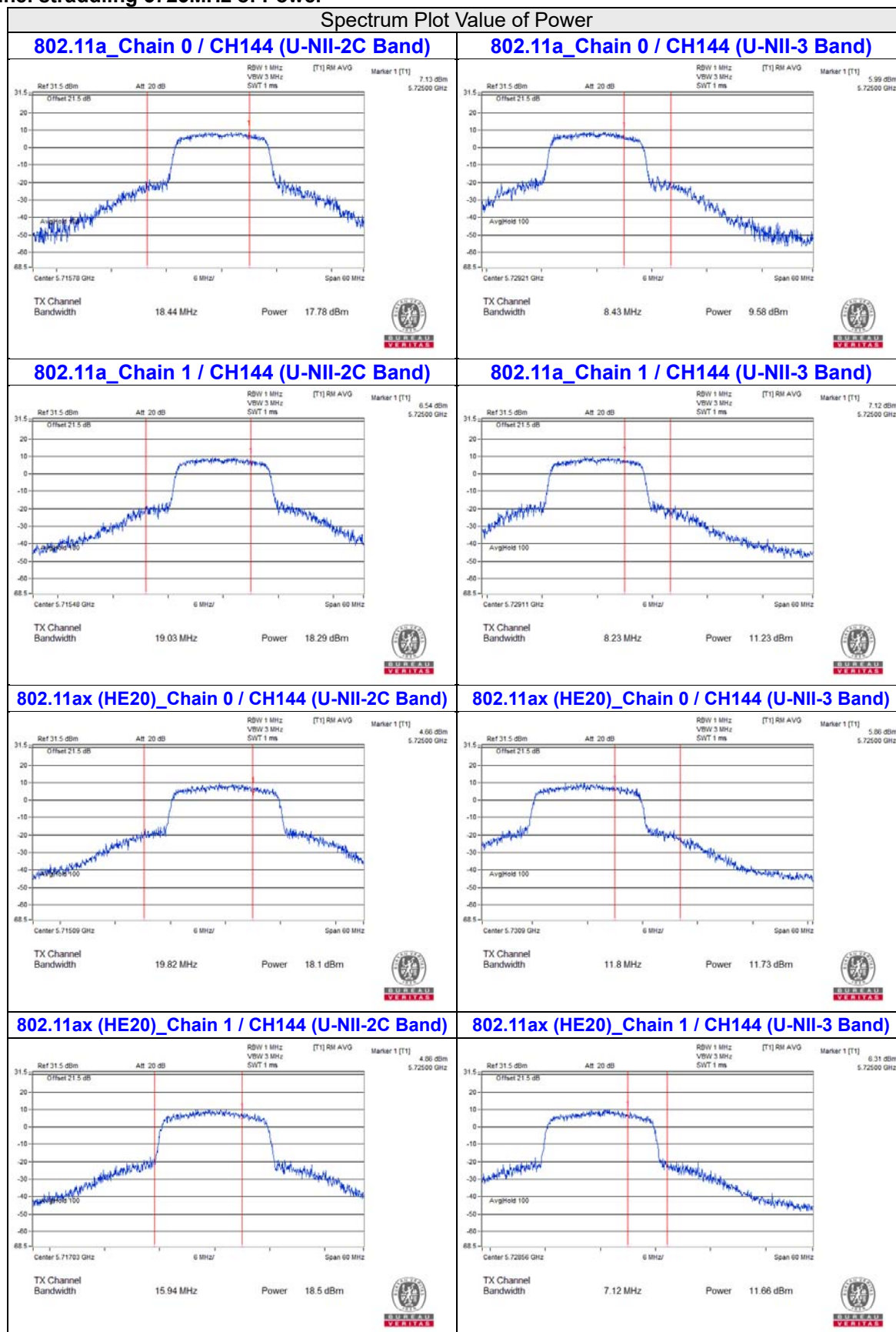
802.11be (EHT80)

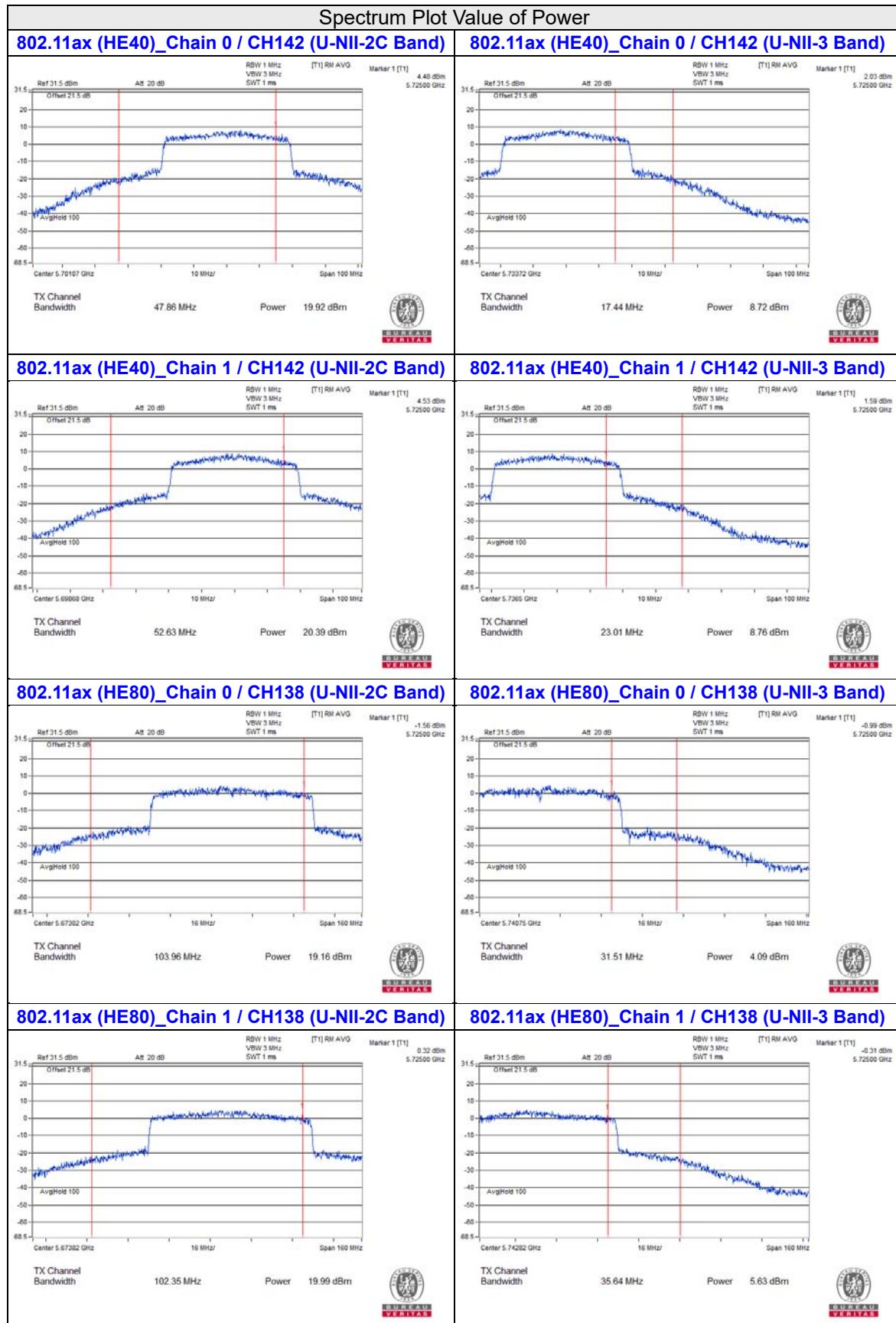
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	14.86	14.83	61.028	17.86	24	Pass
155	5775	19.17	19.63	174.437	22.42	30	Pass

Notes:

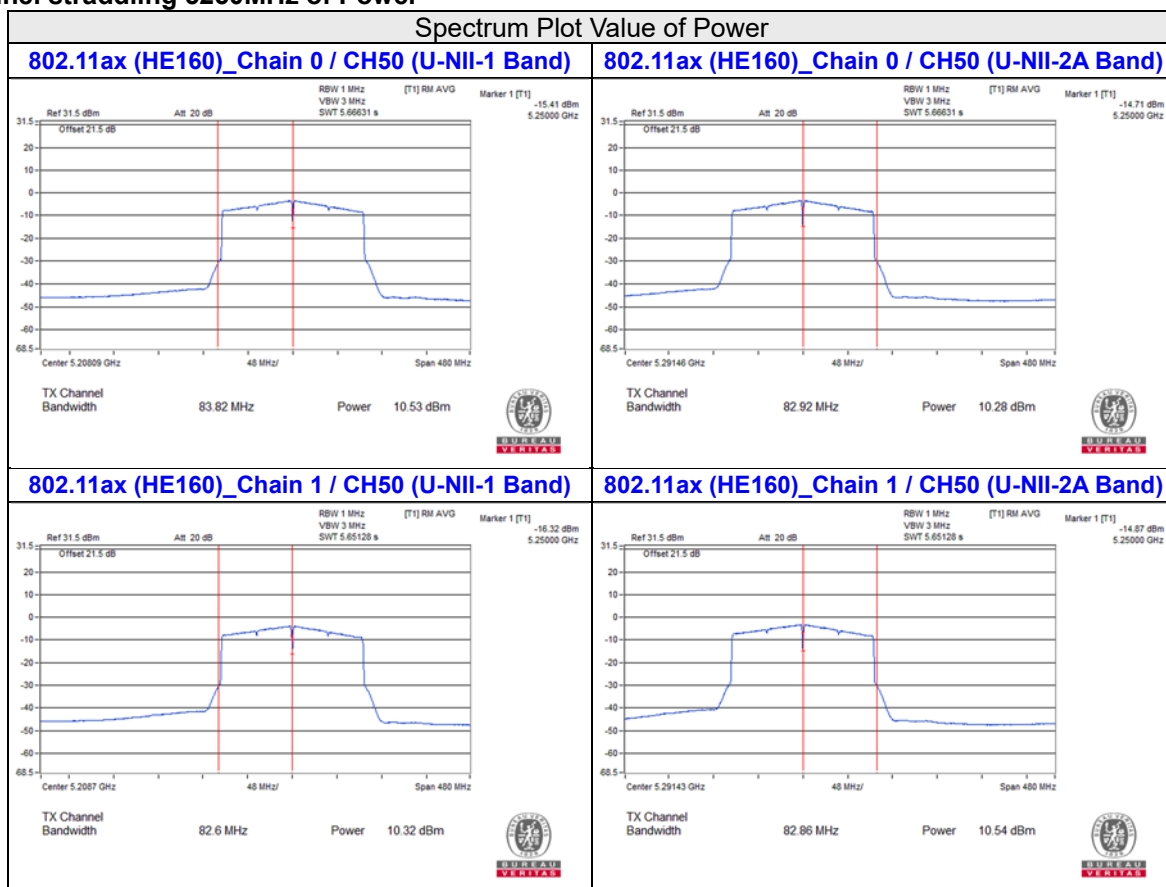
1. Directional gain is the maximum gain of antennas.
2. For U-NII-1, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
3. For U-NII-2C, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-3, the maximum gain is 4.92 dBi < 6 dBi, so the output power limit shall not be reduced.

For channel straddling 5725MHz of Power





For channel straddling 5250MHz of Power



7.3 Power Spectral Density

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	5.38	5.63	0.30	8.82	9.07	Pass
40	5200	5.37	5.65	0.30	8.82	9.07	Pass
48	5240	5.41	5.56	0.30	8.80	9.07	Pass
52	5260	5.52	5.65	0.30	8.90	9.07	Pass
60	5300	5.44	5.35	0.30	8.71	9.07	Pass
64	5320	5.47	5.34	0.30	8.72	9.07	Pass
100	5500	5.19	6.09	0.30	8.97	9.07	Pass
116	5580	5.34	5.64	0.30	8.80	9.07	Pass
140	5700	5.72	5.42	0.30	8.88	9.07	Pass
144 (U-NII-2C)	5720	5.62	5.80	0.30	9.02	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	5.52	5.80	0.17	8.84	9.07	Pass
40	5200	5.66	5.74	0.17	8.88	9.07	Pass
48	5240	5.60	5.86	0.17	8.91	9.07	Pass
52	5260	5.39	5.39	0.17	8.57	9.07	Pass
60	5300	5.35	5.14	0.17	8.43	9.07	Pass
64	5320	5.09	5.51	0.17	8.49	9.07	Pass
100	5500	4.89	5.83	0.17	8.57	9.07	Pass
116	5580	5.10	5.57	0.17	8.52	9.07	Pass
140	5700	5.00	5.49	0.17	8.43	9.07	Pass
144 (U-NII-2C)	5720	5.66	5.86	0.17	8.94	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
38	5190	2.68	1.09	0.21	5.18	9.07	Pass
46	5230	5.79	5.48	0.21	8.86	9.07	Pass
54	5270	5.63	5.37	0.21	8.72	9.07	Pass
62	5310	0.63	1.73	0.21	4.44	9.07	Pass
102	5510	0.68	0.91	0.21	4.02	9.07	Pass
110	5550	5.67	5.69	0.21	8.90	9.07	Pass
134	5670	4.48	4.61	0.21	7.77	9.07	Pass
142 (U-NII-2C)	5710	5.40	6.02	0.21	8.94	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-3.30	-3.44	0.48	0.12	9.07	Pass
58	5290	-2.38	-2.15	0.48	1.23	9.07	Pass
106	5530	-2.48	-1.92	0.48	1.30	9.07	Pass
122	5610	2.32	2.37	0.48	5.84	9.07	Pass
138 (U-NII-2C)	5690	2.24	3.13	0.48	6.20	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
50 (U-NII-1)	5250	-6.81	-7.53	0.46	-3.68	9.07	Pass
50 (U-NII-2A)	5250	-7.14	-7.29	0.46	-3.74	9.07	Pass
114	5570	-7.26	-6.75	0.46	-3.53	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
4. For U-NII-2A, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.
5. For U-NII-2C, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
36	5180	5.55	5.74	0.17	8.83	9.07	Pass
40	5200	5.62	5.93	0.17	8.96	9.07	Pass
48	5240	5.71	5.91	0.17	8.99	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
38	5190	1.11	-0.13	0.13	3.67	9.07	Pass
46	5230	5.58	5.48	0.13	8.67	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1				
42	5210	-4.16	-3.24	0.26	-0.41	9.07	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 7.93 dBi > 6dBi, so the power density limit shall be reduced to 11-(7.93-6) = 9.07 dBm/MHz.

802.11a

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-1.19	-0.96	1.94	0.3	4.46	28.07	Pass
149	5745	4.03	4.21	7.13	0.3	9.65	28.07	Pass
157	5785	3.98	3.83	6.92	0.3	9.44	28.07	Pass
165	5825	4.00	4.00	7.01	0.3	9.53	28.07	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.93-6) = 28.07 dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
144 (U-NII-3)	5720	-1.69	-1.31	1.51	0.17	3.90	28.07	Pass
149	5745	4.51	4.26	7.4	0.17	9.79	28.07	Pass
157	5785	3.51	3.57	6.55	0.17	8.94	28.07	Pass
165	5825	3.80	3.57	6.7	0.17	9.09	28.07	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.93-6) = 28.07 dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
142 (U-NII-3)	5710	-2.69	-2.23	0.56	0.21	2.99	28.07	Pass
151	5755	1.67	1.06	4.39	0.21	6.82	28.07	Pass
159	5795	0.34	0.48	3.42	0.21	5.85	28.07	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to 30-(7.93-6) = 28.07 dBm/500kHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
138 (U-NII-3)	5690	-6.51	-5.52	-2.98	0.48	-0.28	28.07	Pass
155	5775	-3.87	-3.58	-0.71	0.48	1.99	28.07	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.93 - 6) = 28.07$ dBm/500kHz.

802.11be (EHT20)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
149	5745	4.51	4.81	7.67	0.17	10.06	28.07	Pass
157	5785	4.21	4.41	7.32	0.17	9.71	28.07	Pass
165	5825	4.64	4.82	7.74	0.17	10.13	28.07	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.93 - 6) = 28.07$ dBm/500kHz.

802.11be (EHT40)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
151	5755	1.36	1.91	4.65	0.13	7.00	28.07	Pass
159	5795	0.88	0.85	3.88	0.13	6.23	28.07	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.93 - 6) = 28.07$ dBm/500kHz.

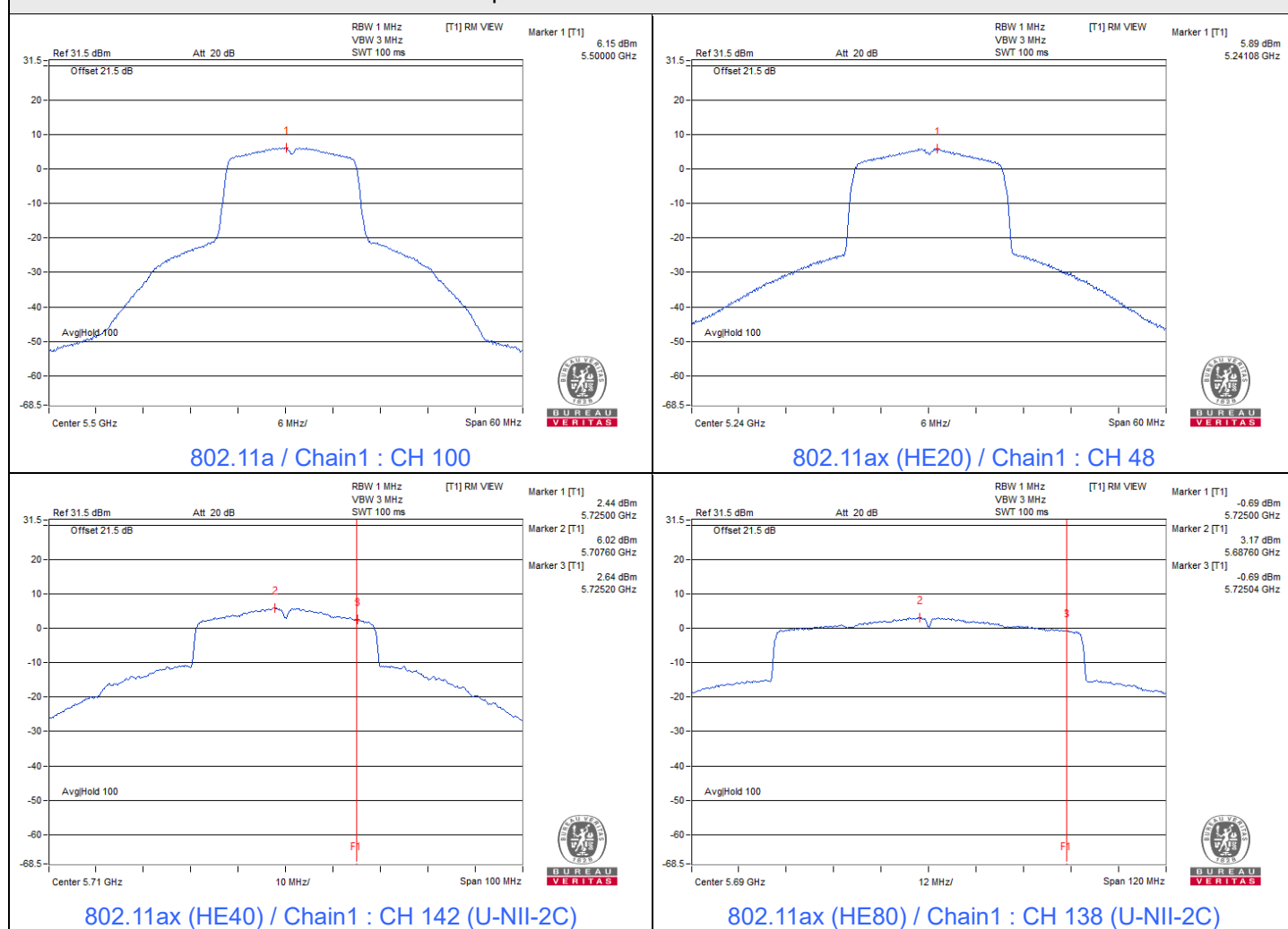
802.11be (EHT80)

Chan.	Chan. Freq. (MHz)	PSD w/o Duty Factor (dBm/300kHz)		Total PSD w/o Duty Factor (dBm/300kHz)	Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1					
155	5775	-4.42	-3.90	-1.14	0.26	1.34	28.07	Pass

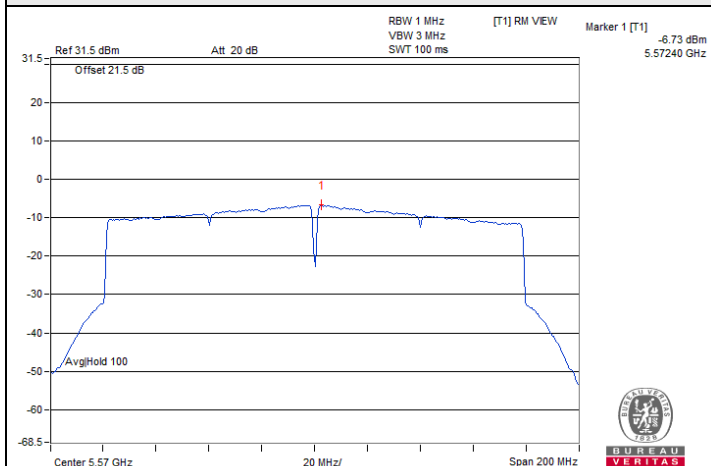
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
3. For U-NII-3, the directional gain is 7.93 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (7.93 - 6) = 28.07$ dBm/500kHz.

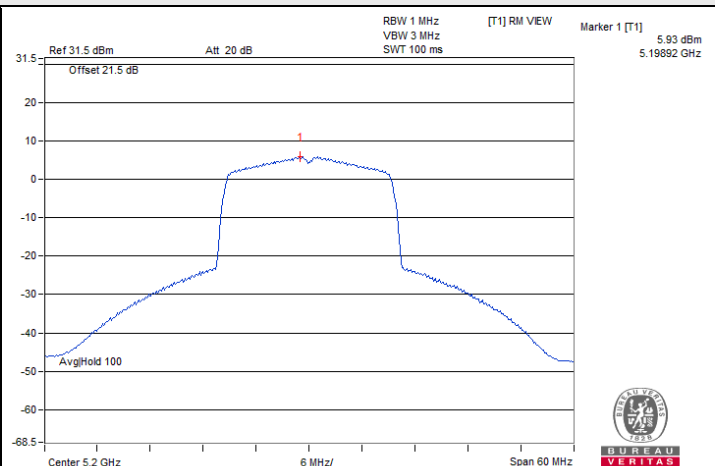
Spectrum Plot of Maximum Value



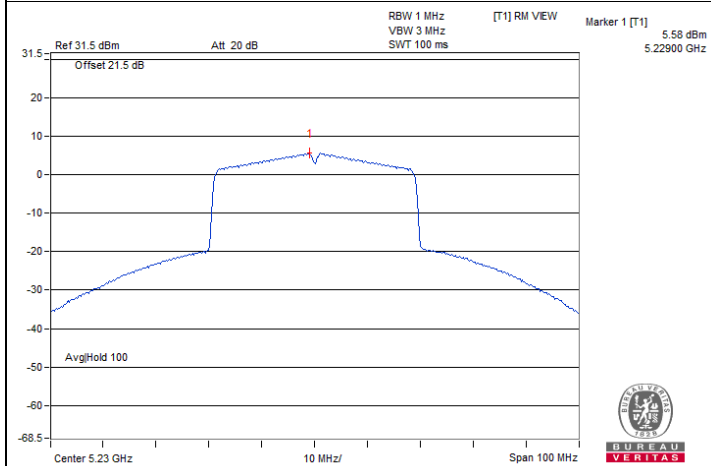
Spectrum Plot of Maximum Value



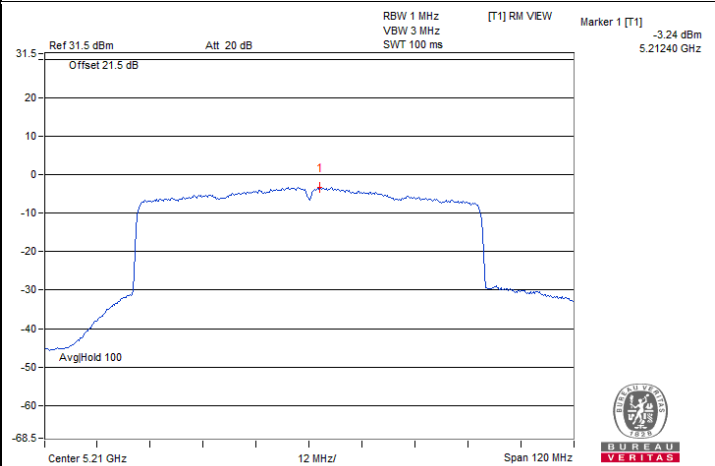
802.11ax (HE160) / Chain1 : CH 114



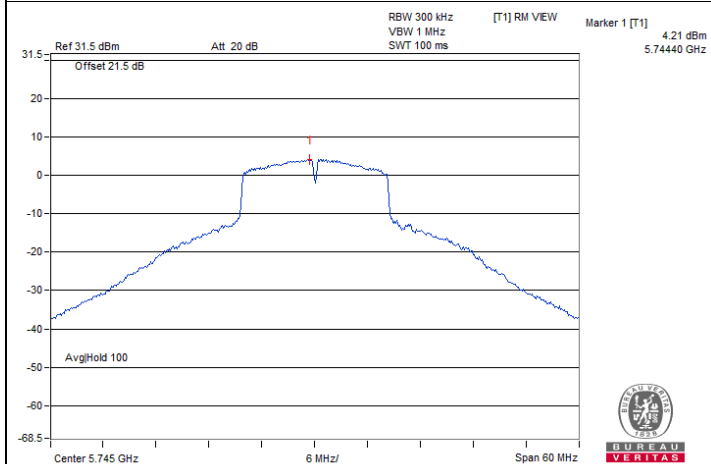
802.11be (EHT20) / Chain1 : CH 40



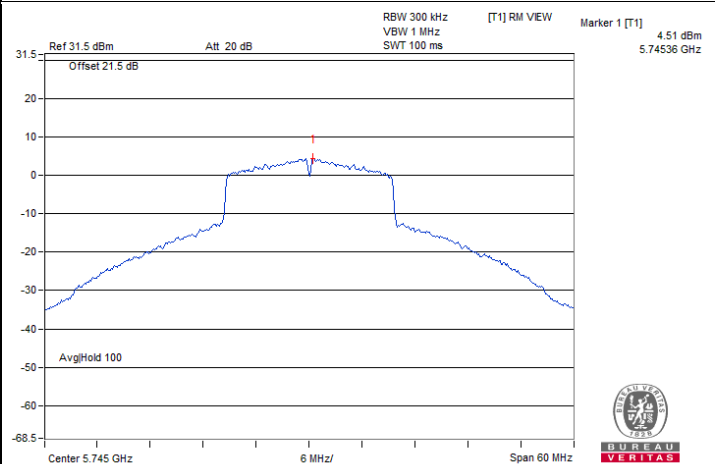
802.11be (EHT40) / Chain0 : CH 46



802.11be (EHT80) / Chain1 : CH 42

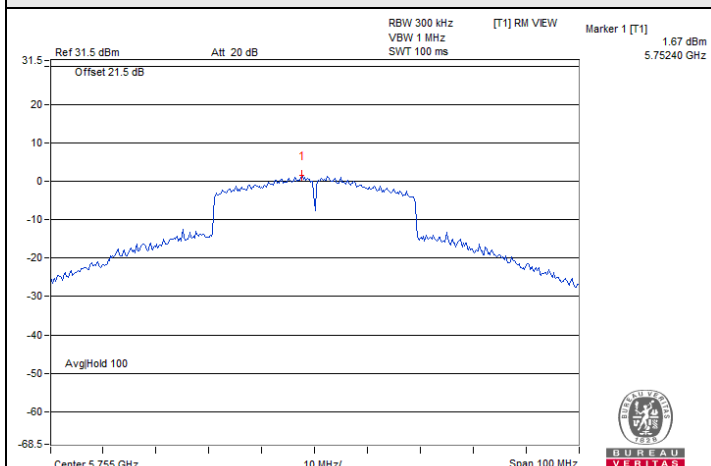


802.11a / Chain1 : CH 149

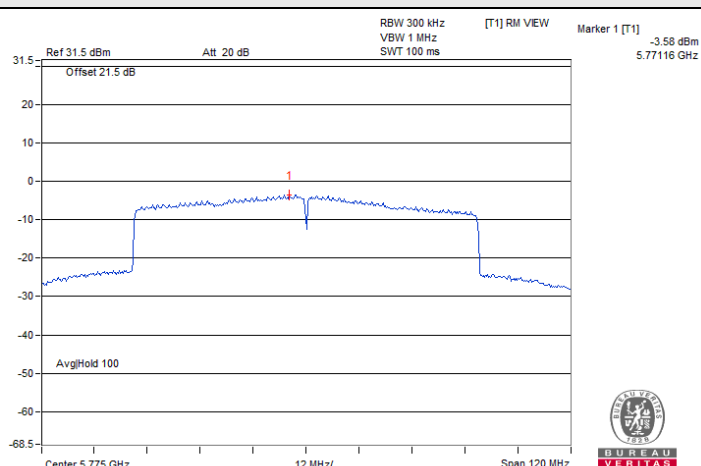


802.11ax (HE20) / Chain0 : CH 149

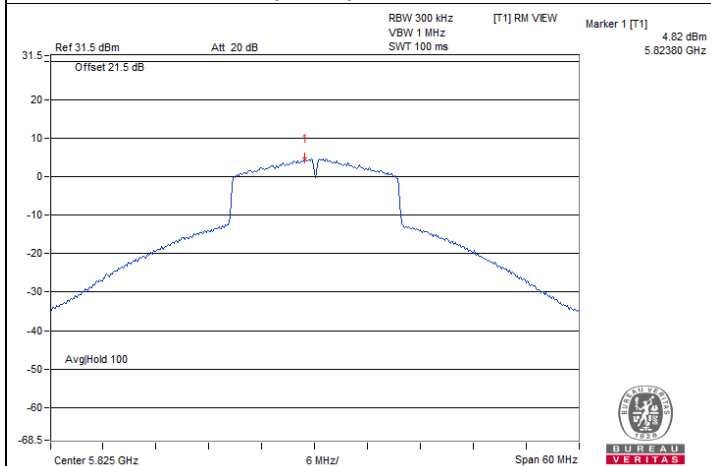
Spectrum Plot of Maximum Value



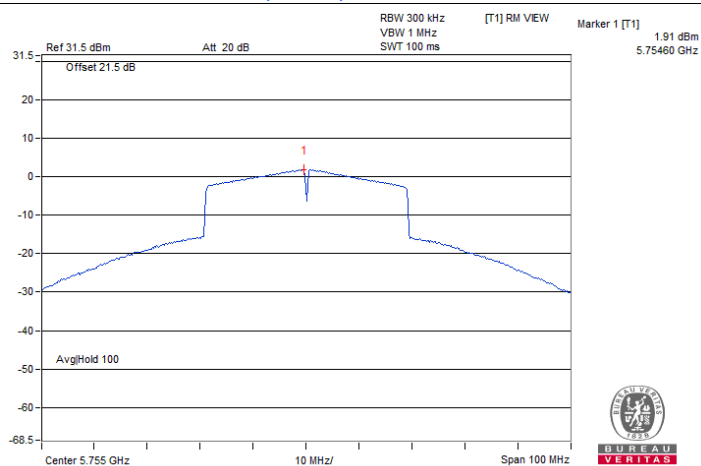
802.11ax (HE40) / Chain0 : CH 151



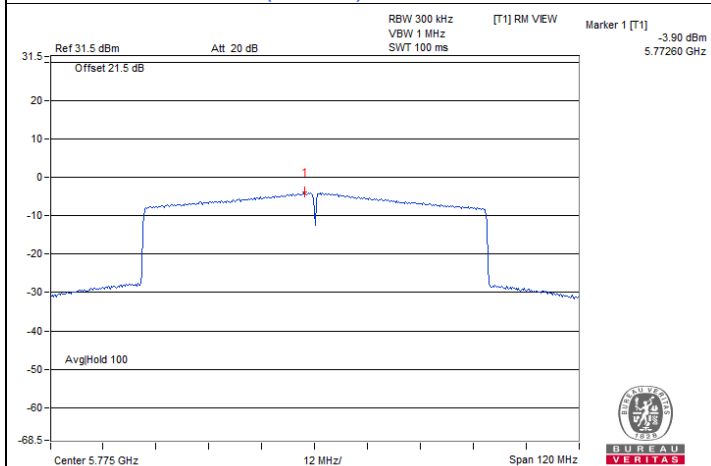
802.11ax (HE80) / Chain1 : CH 155



802.11be (EHT20) / Chain1 : CH 165



802.11be (EHT40) / Chain1 : CH 151



802.11be (EHT80) / Chain1 : CH 155

7.4 6 dB Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	2.54	1.87	0.5	Pass
149	5745	15.12	16.30	0.5	Pass
157	5785	14.98	15.61	0.5	Pass
165	5825	15.10	15.12	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	3.75	3.37	0.5	Pass
149	5745	17.08	17.46	0.5	Pass
157	5785	16.21	15.05	0.5	Pass
165	5825	17.40	15.92	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	1.45	2.55	0.5	Pass
151	5755	32.53	35.04	0.5	Pass
159	5795	35.01	35.06	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
138 (U-NII-3)	5690	2.52	3.02	0.5	Pass
155	5775	75.09	72.54	0.5	Pass

802.11be (EHT20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
149	5745	14.05	16.52	0.5	Pass
157	5785	16.78	15.07	0.5	Pass
165	5825	15.69	16.49	0.5	Pass

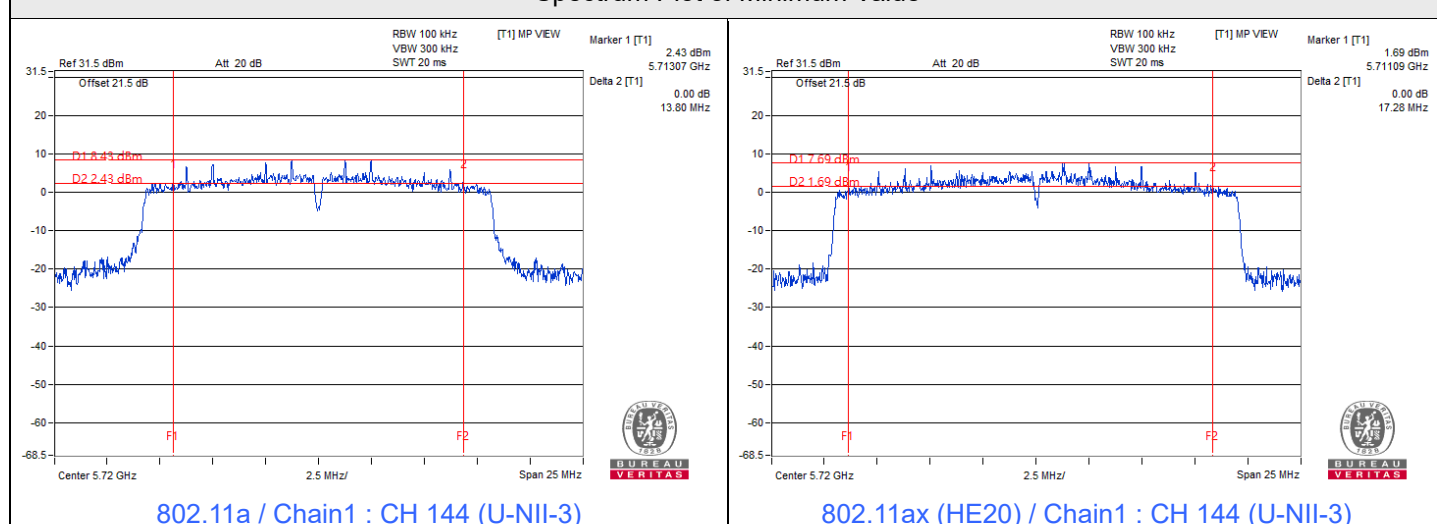
802.11be (EHT40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
151	5755	30.76	34.49	0.5	Pass
159	5795	33.23	33.83	0.5	Pass

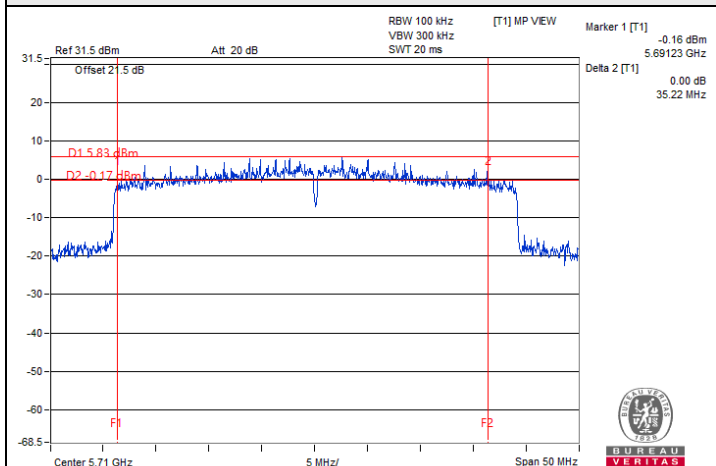
802.11be (EHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
155	5775	72.66	71.51	0.5	Pass

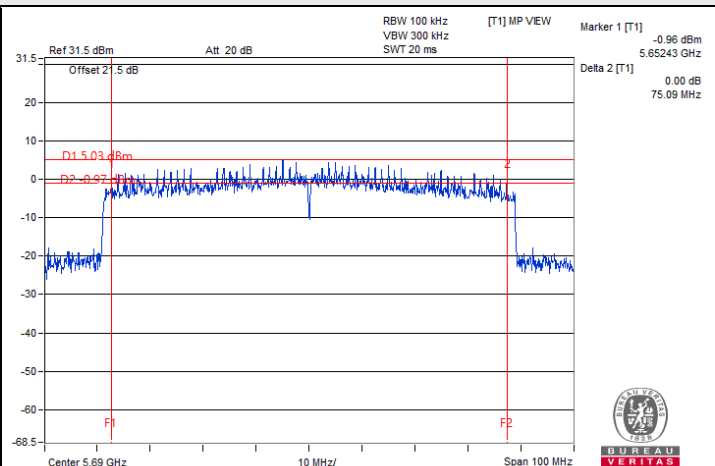
Spectrum Plot of Minimum Value



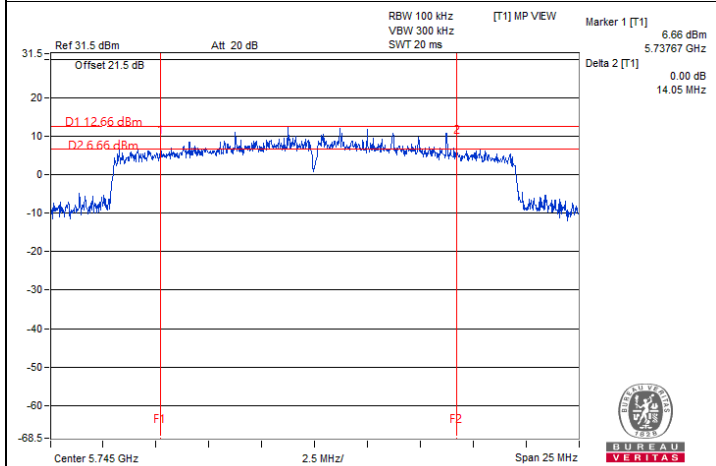
Spectrum Plot of Minimum Value



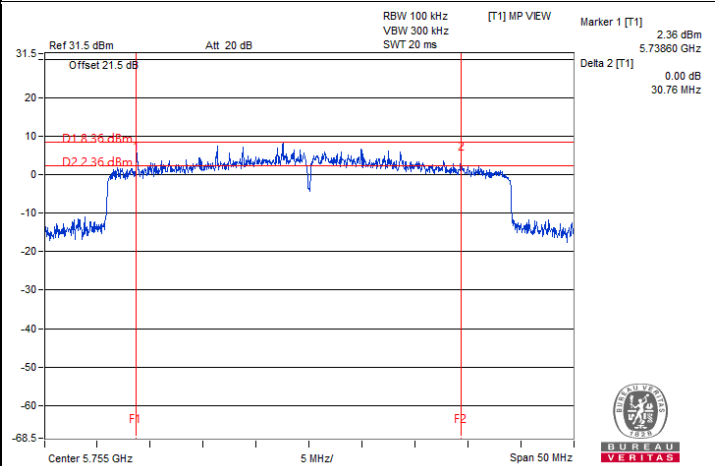
802.11ax (HE40) / Chain0 : CH 142 (U-NII-3)



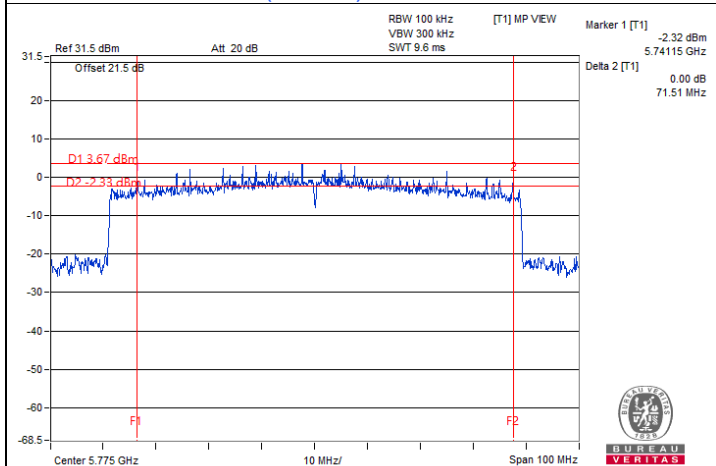
802.11ax (HE80) / Chain0 : CH 138 (U-NII-3)



802.11be (EHT20) / Chain0 : CH 149



802.11be (EHT40) / Chain0 : CH 151



802.11be (EHT80) / Chain1 : CH 155

Notes:

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

7.5 Occupied Bandwidth

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.62	16.50
40	5200	16.56	16.56
48	5240	16.38	16.38
52	5260	16.50	16.38
60	5300	16.56	16.50
64	5320	16.56	16.44
100	5500	16.44	16.56
116	5580	16.44	16.38
140	5700	16.56	16.50
144 (U-NII-2C)	5720	13.22	13.22
144 (U-NII-3)	5720	3.22	3.16
149	5745	16.74	28.98
157	5785	18.90	29.94
165	5825	24.42	29.64

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.84	18.84
40	5200	18.84	18.90
48	5240	18.90	18.78
52	5260	18.78	18.78
60	5300	18.78	18.84
64	5320	18.84	18.90
100	5500	18.84	18.84
116	5580	18.78	18.84
140	5700	18.78	18.84
144 (U-NII-2C)	5720	14.48	14.36
144 (U-NII-3)	5720	4.48	4.42
149	5745	25.50	23.94
157	5785	28.02	24.18
165	5825	26.52	23.70

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.80	37.98
46	5230	38.16	38.28
54	5270	38.16	37.44
62	5310	37.62	37.62
102	5510	37.62	37.44
110	5550	38.52	38.40
134	5670	37.92	38.16
142 (U-NII-2C)	5710	33.96	34.02
142 (U-NII-3)	5710	4.02	4.08
151	5755	50.16	54.36
159	5795	46.08	56.16

802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.04
58	5290	77.52	77.52
106	5530	77.04	77.04
122	5610	78.24	78.72
138 (U-NII-2C)	5690	73.64	73.76
138 (U-NII-3)	5690	3.76	3.64
155	5775	80.40	77.52

802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
50 (U-NII-1)	5250	78.24	78.24
50 (U-NII-2A)	5250	77.76	78.24
114	5570	156.00	156.00

802.11be (EHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.78	18.84
40	5200	18.84	18.84
48	5240	18.78	18.84
149	5745	25.14	24.36
157	5785	31.14	24.78
165	5825	29.10	23.88

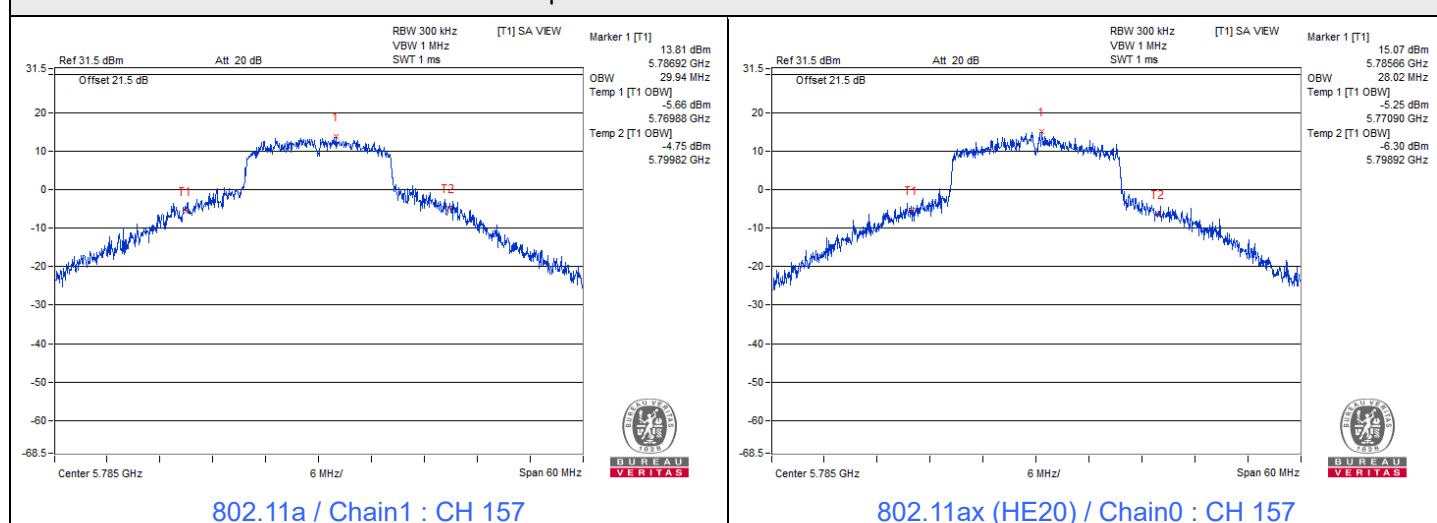
802.11be (EHT40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.62	37.80
46	5230	37.92	38.16
151	5755	41.52	48.72
159	5795	61.74	47.34

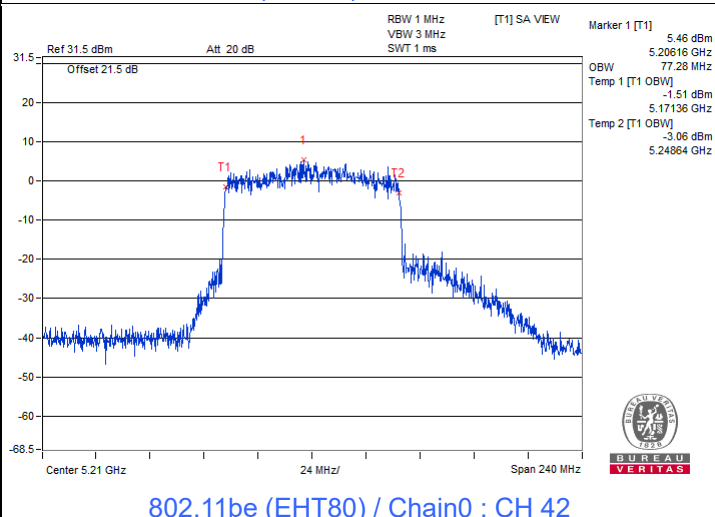
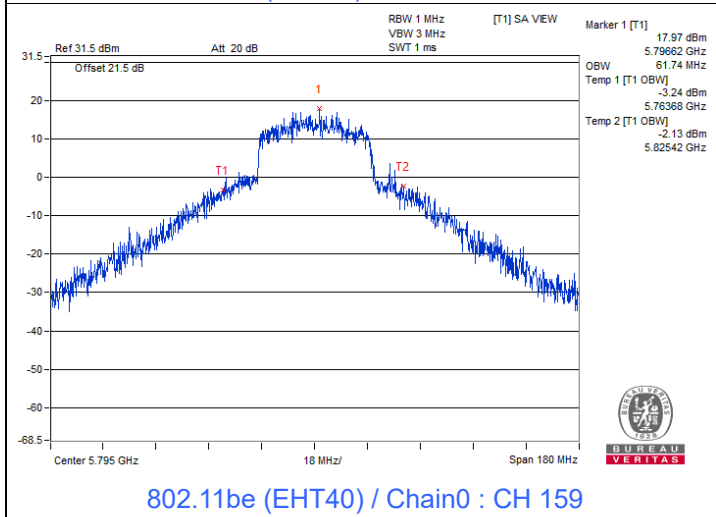
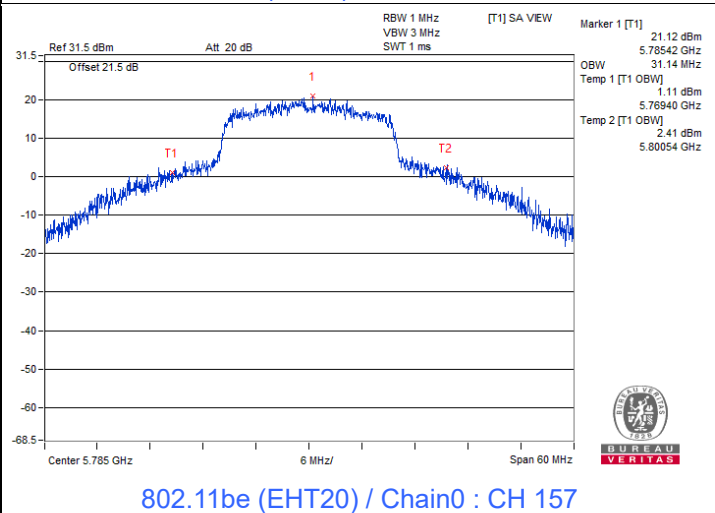
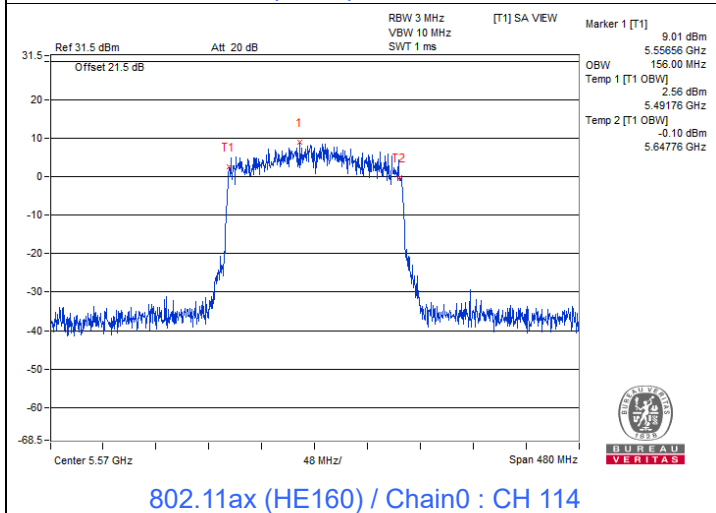
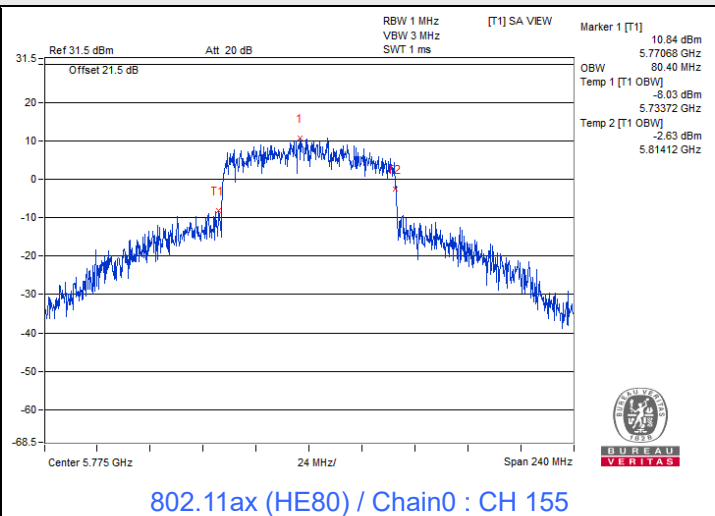
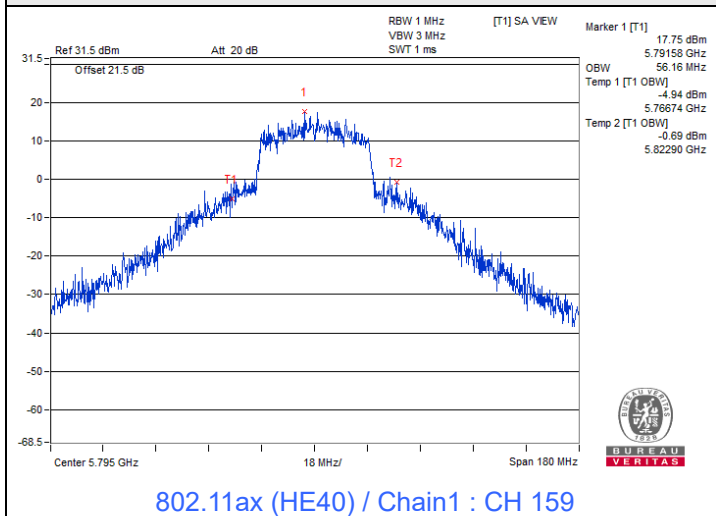
802.11be (EHT80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	77.28	77.04
155	5775	77.04	77.28

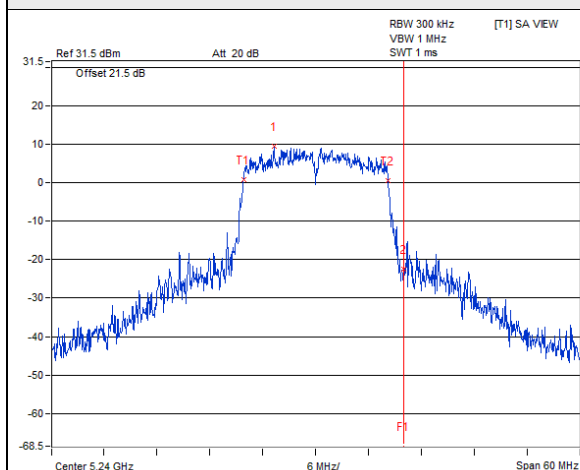
Spectrum Plot of Maximum Value



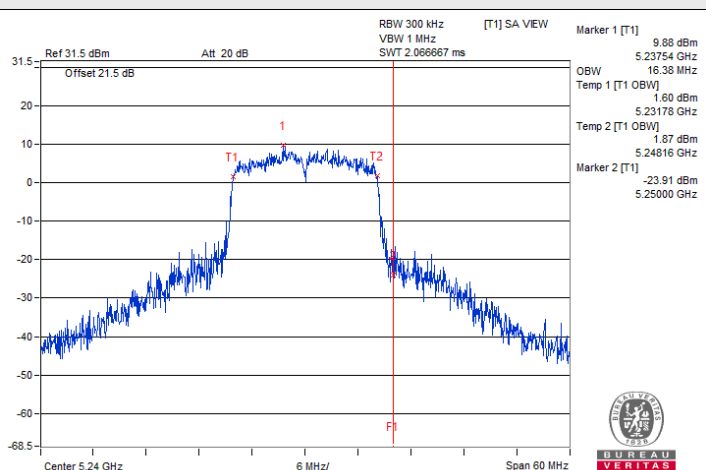
Spectrum Plot of Maximum Value



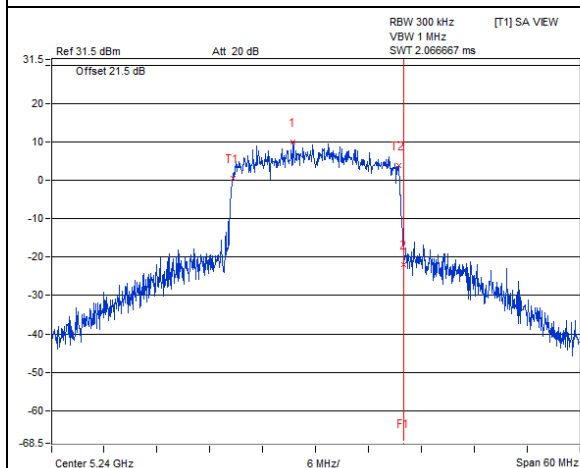
Spectrum Plot for nearby DFS band
(DFS is required, if 99% OCP straddle into U-NII-2A band)



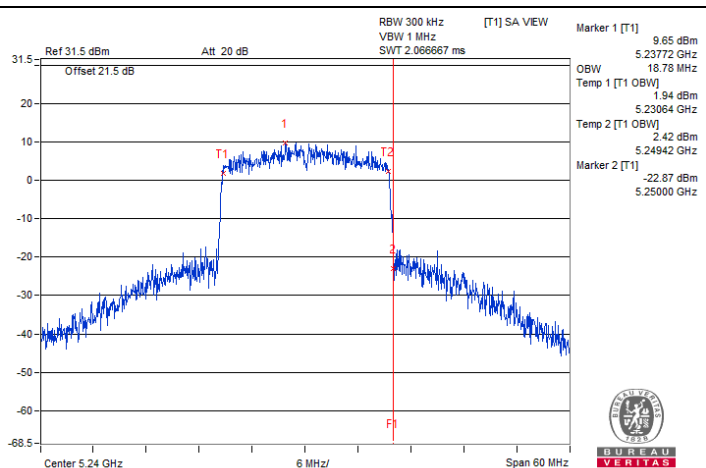
802.11a / Chain 0 : CH 48



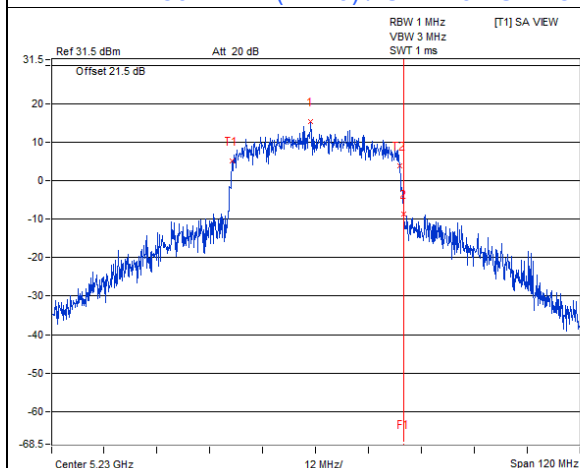
802.11a / Chain 1 : CH 48



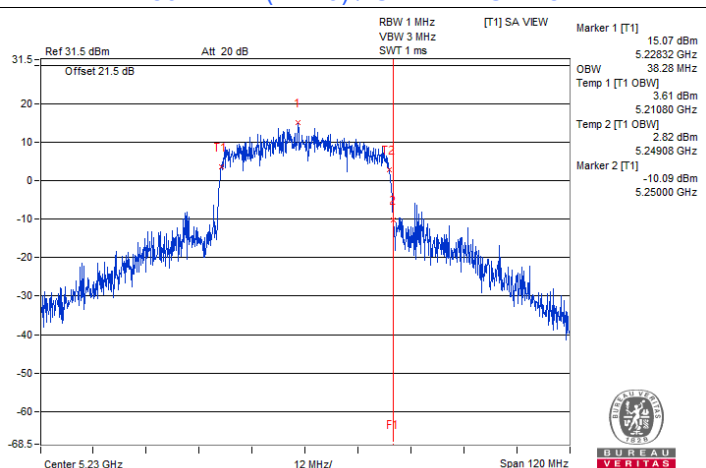
802.11ax (HE20) / Chain 0 : CH 48



802.11ax (HE20) / Chain 1 : CH 48

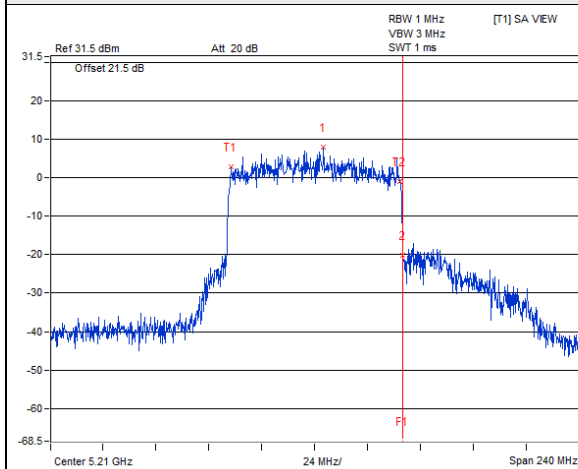


802.11ax (HE40) / Chain 0 : CH 46

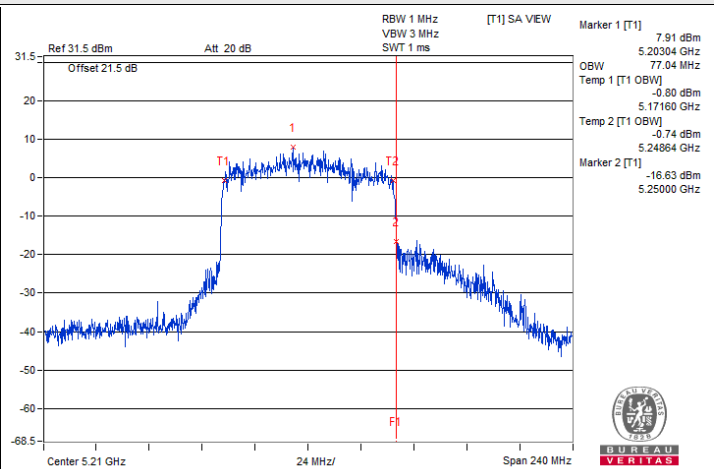


802.11ax (HE40) / Chain 1 : CH 46

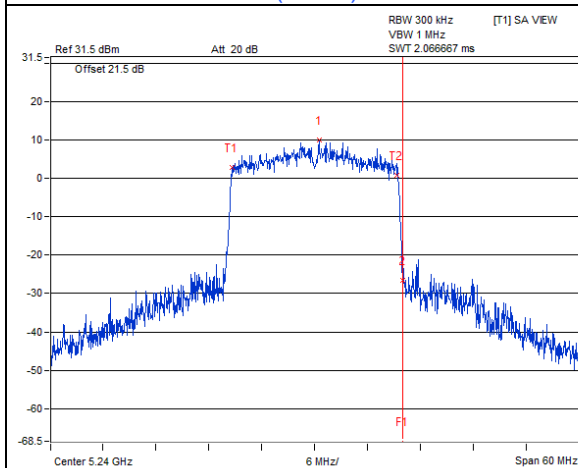
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A band)



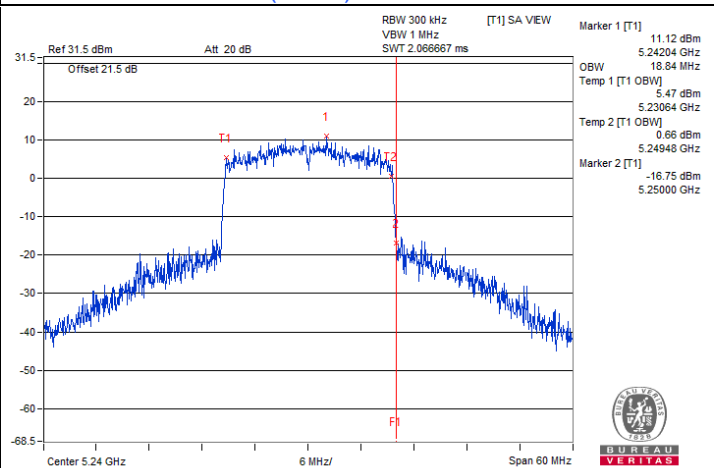
802.11ax (HE80) / Chain 0 : CH 42



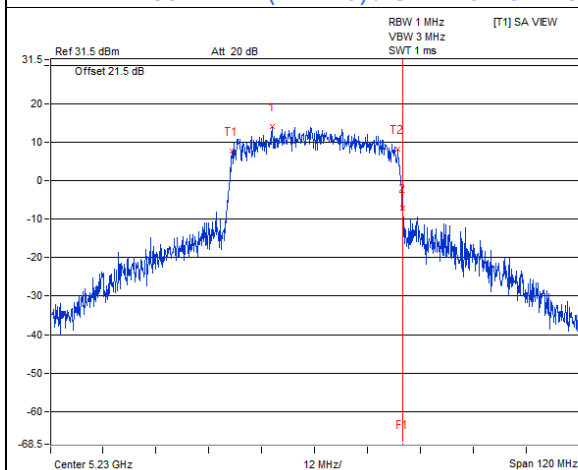
802.11ax (HE80) / Chain 1 : CH 42



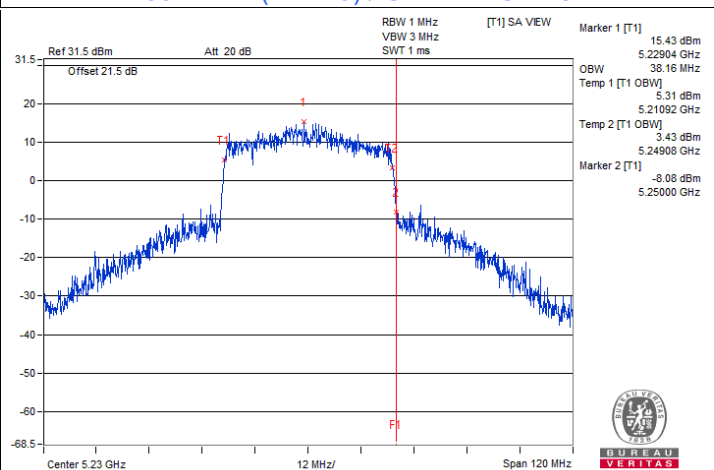
802.11be (EHT20) / Chain 0 : CH 48



802.11be (EHT20) / Chain 1 : CH 48

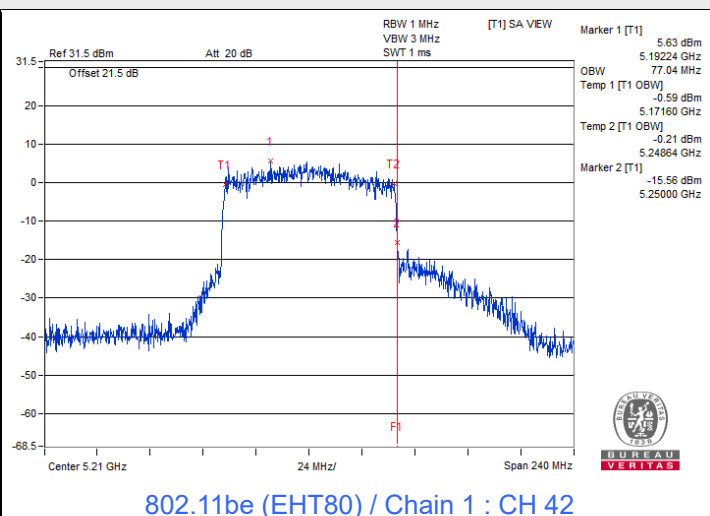
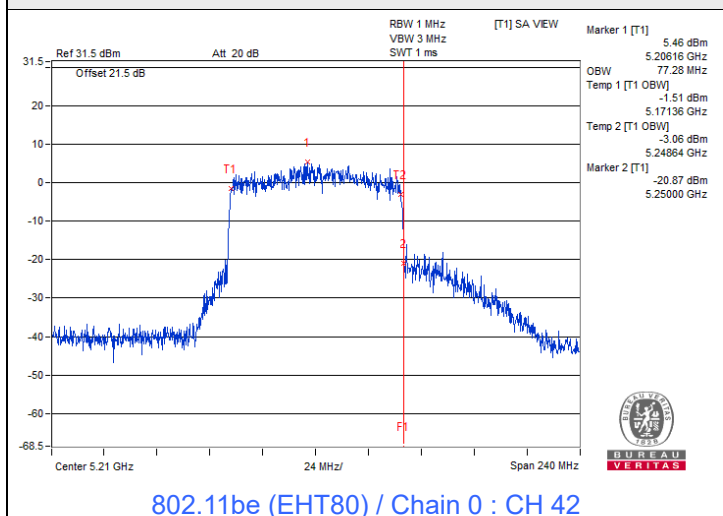


802.11be (EHT40) / Chain 0 : CH 46

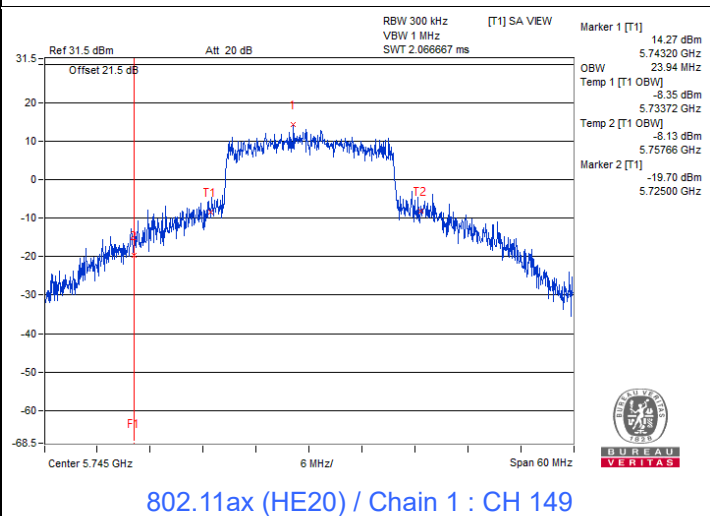
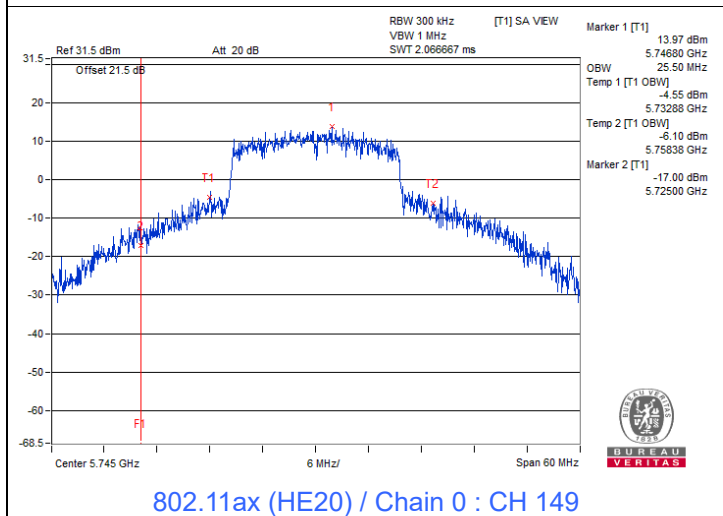
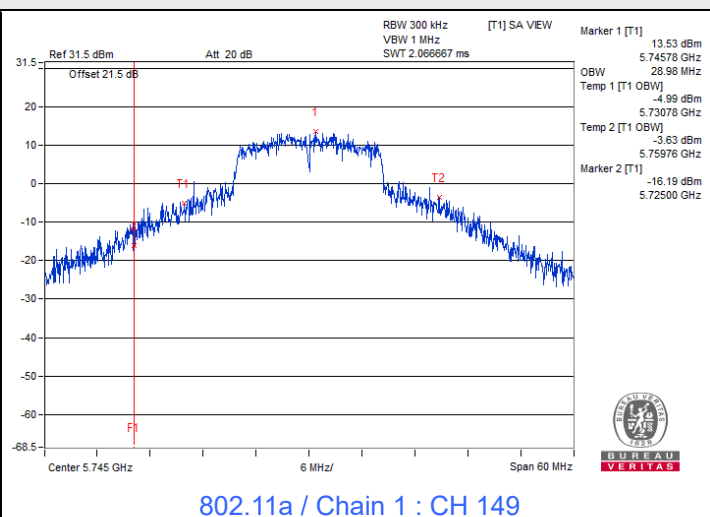
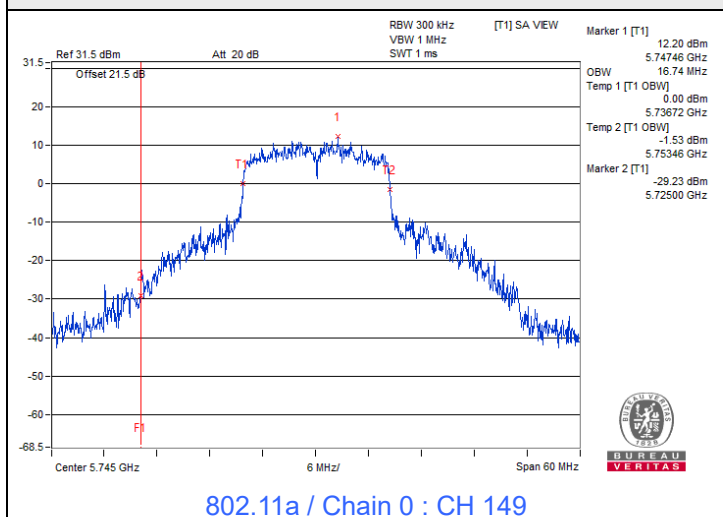


802.11be (EHT40) / Chain 1 : CH 46

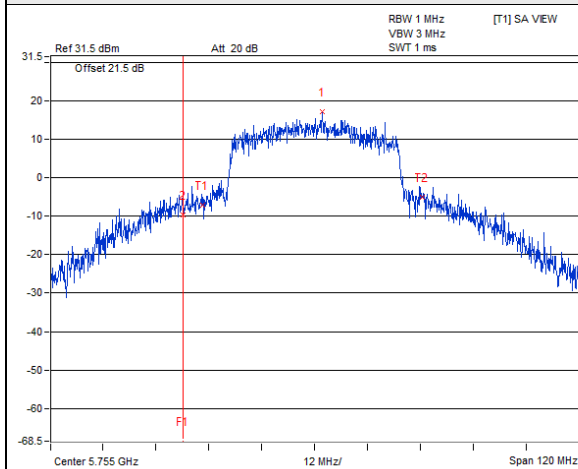
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A band)



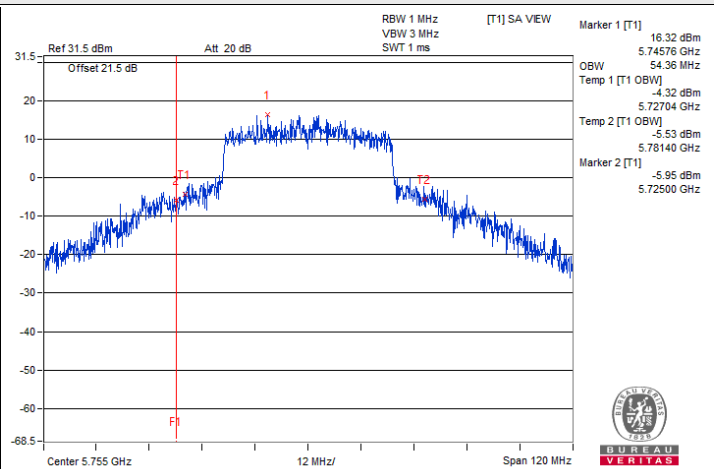
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C band)



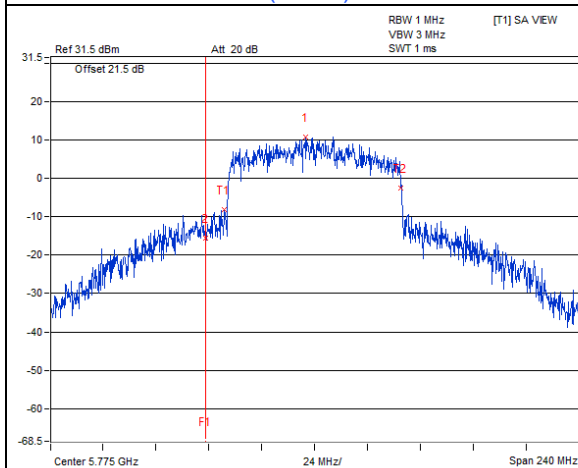
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2C band)



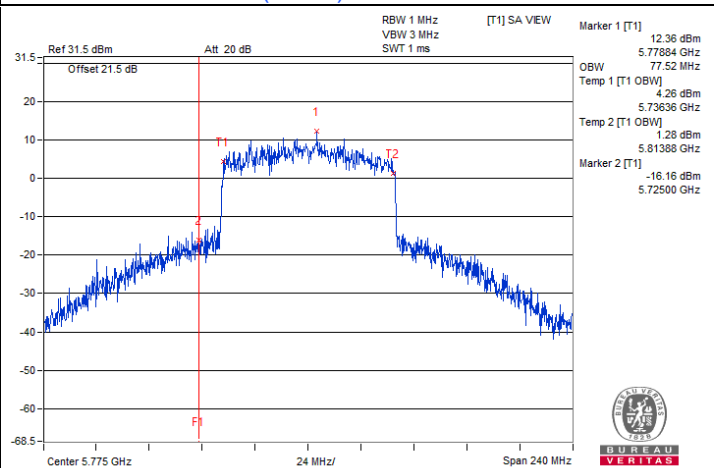
802.11ax (HE40) / Chain 0 : CH 151



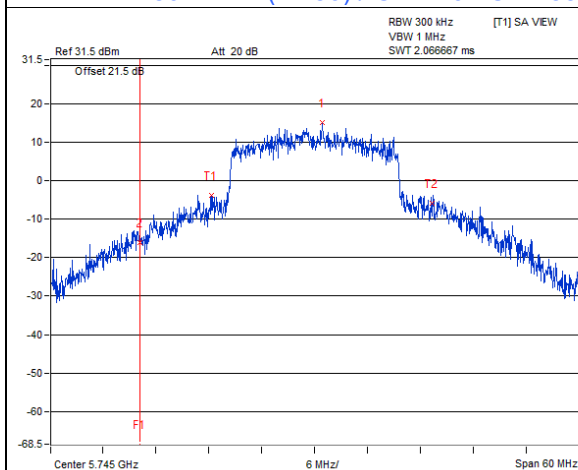
802.11ax (HE40) / Chain 1 : CH 151



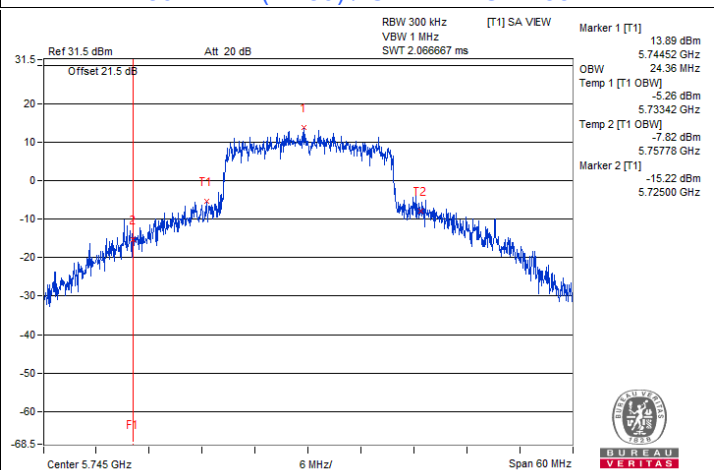
802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155

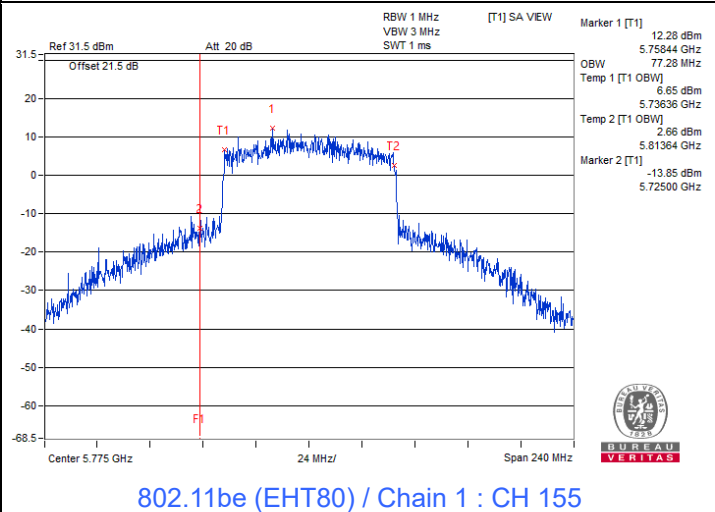
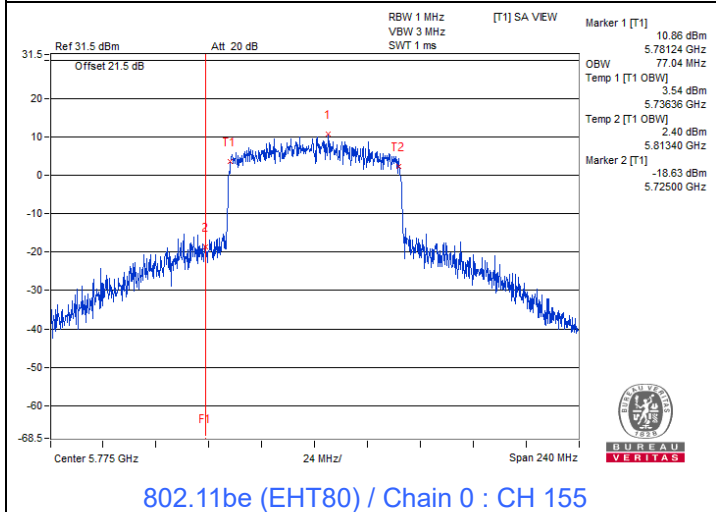
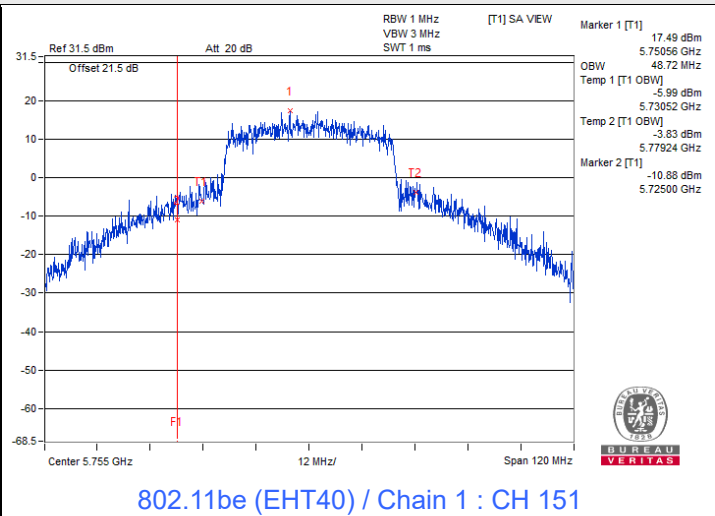
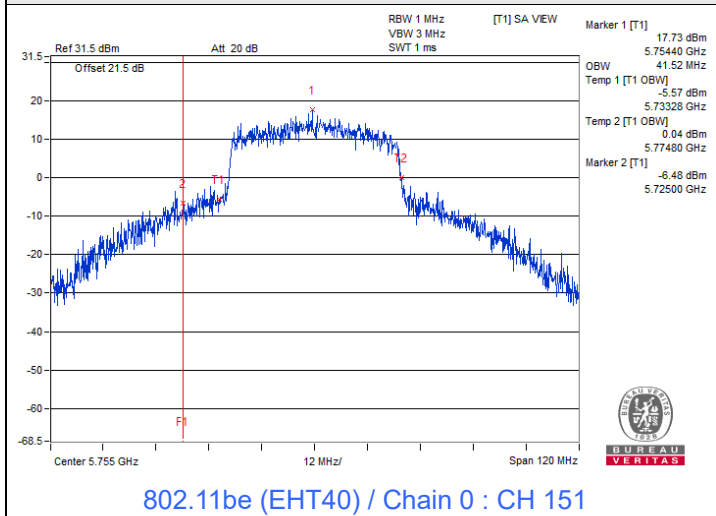


802.11be (EHT20) / Chain 0 : CH 149



802.11be (EHT20) / Chain 1 : CH 149

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



7.6 Frequency Stability

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	John Peng
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802.11a

Frequency Stability Versus Temp.									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
70	3.3	5179.9795	Pass	5179.9783	Pass	5179.9752	Pass	5179.9794	Pass
60	3.3	5180.0125	Pass	5180.0135	Pass	5180.0153	Pass	5180.0152	Pass
50	3.3	5179.9895	Pass	5179.9922	Pass	5179.9893	Pass	5179.9905	Pass
40	3.3	5180.0008	Pass	5180.0025	Pass	5180.0011	Pass	5180.0002	Pass
30	3.3	5180.0026	Pass	5180.0023	Pass	5180.0017	Pass	5180.0035	Pass
20	3.3	5180.0003	Pass	5179.9973	Pass	5179.9997	Pass	5180.0003	Pass
10	3.3	5180.015	Pass	5180.0195	Pass	5180.0158	Pass	5180.0179	Pass
0	3.3	5180.0091	Pass	5180.0049	Pass	5180.0095	Pass	5180.0073	Pass
-10	3.3	5180.0127	Pass	5180.0147	Pass	5180.0167	Pass	5180.0161	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
TEMP. (°C)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	3.795	5180.0005	Pass	5180	Pass	5180.0001	Pass	5179.9999	Pass
	3.3	5180.0003	Pass	5179.9973	Pass	5179.9997	Pass	5180.0003	Pass
	2.805	5179.9956	Pass	5179.9949	Pass	5179.9956	Pass	5179.9935	Pass

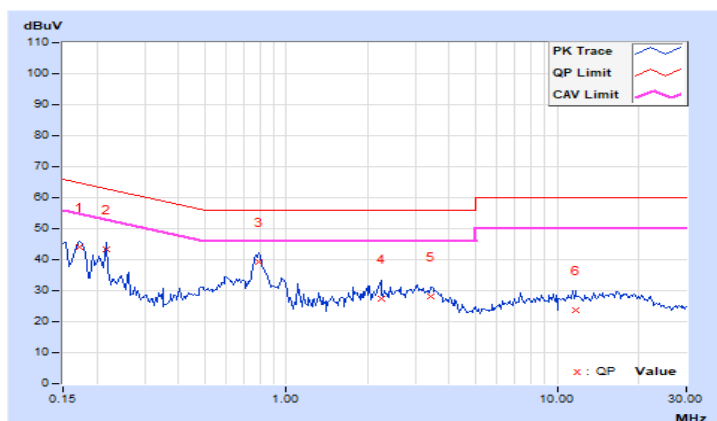
7.7 AC Power Conducted Emissions

RF Mode	TX 802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	24°C, 71% RH
Tested By	Sampson Chen		

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	0.17344	10.05	34.06	19.05	44.11	29.10	64.79	54.79	-20.68	-25.69
2	0.21641	10.05	33.36	14.85	43.41	24.90	62.96	52.96	-19.55	-28.06
3	0.79063	10.09	29.11	16.94	39.20	27.03	56.00	46.00	-16.80	-18.97
4	2.23438	10.17	17.39	11.38	27.56	21.55	56.00	46.00	-28.44	-24.45
5	3.42969	10.23	18.07	12.64	28.30	22.87	56.00	46.00	-27.70	-23.13
6	11.66797	10.71	12.81	7.55	23.52	18.26	60.00	50.00	-36.48	-31.74

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

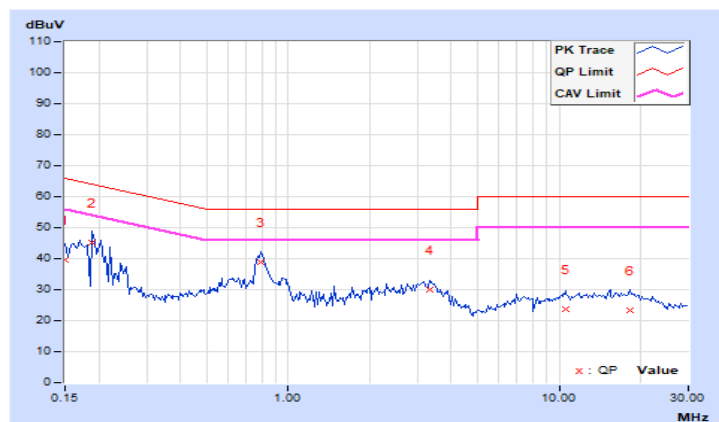


RF Mode	TX 802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	24°C, 71% RH
Tested By	Sampson Chen		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.02	29.65	21.03	39.67	31.05	66.00	56.00	-26.33	-24.95
2	0.18906	10.03	35.29	27.85	45.32	37.88	64.08	54.08	-18.76	-16.20
3	0.79063	10.06	28.73	15.48	38.79	25.54	56.00	46.00	-17.21	-20.46
4	3.33594	10.18	19.84	13.12	30.02	23.30	56.00	46.00	-25.98	-22.70
5	10.52344	10.51	13.30	8.00	23.81	18.51	60.00	50.00	-36.19	-31.49
6	18.30078	10.87	12.39	6.84	23.26	17.71	60.00	50.00	-36.74	-32.29

Remarks:

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



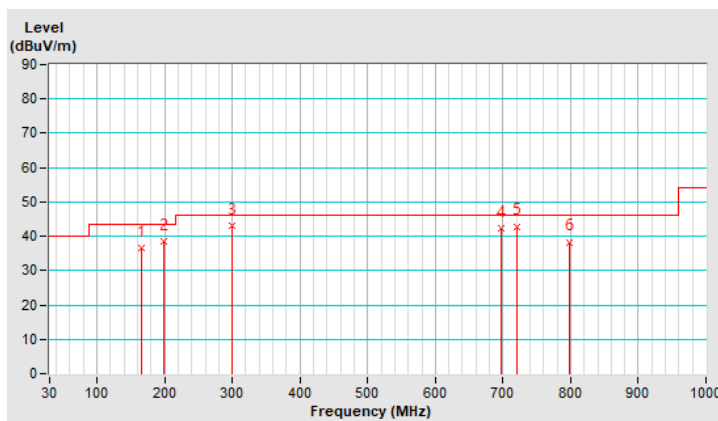
7.8 Unwanted Emissions below 1 GHz

RF Mode	TX 802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 66% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	165.97	36.7 QP	43.5	-6.8	3.00 H	0	48.6	-11.9
2	199.55	38.6 QP	43.5	-4.9	1.50 H	183	53.3	-14.7
3	299.01	43.0 QP	46.0	-3.0	1.00 H	162	53.4	-10.4
4	697.00	42.4 QP	46.0	-3.6	1.00 H	63	42.8	-0.4
5	720.01	42.9 QP	46.0	-3.1	1.00 H	69	43.0	-0.1
6	798.24	38.3 QP	46.0	-7.7	1.00 H	82	36.7	1.6

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 of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

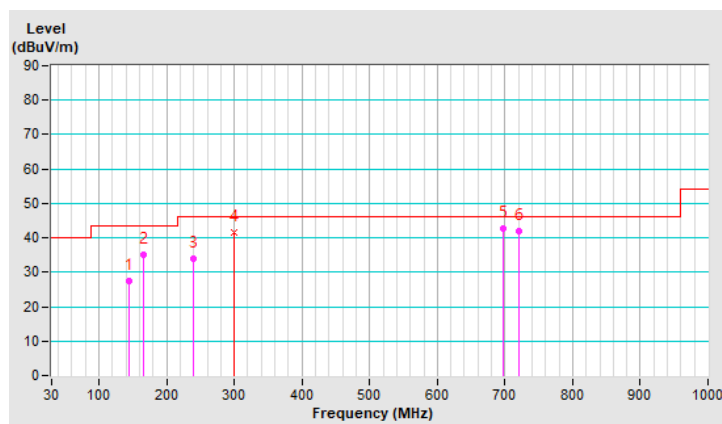


RF Mode	TX 802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	9 kHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 66% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	144.00	27.5 QP	43.5	-16.0	3.00 V	107	39.3	-11.8
2	166.26	35.2 QP	43.5	-8.3	1.50 V	146	47.2	-12.0
3	240.00	34.0 QP	46.0	-12.0	1.00 V	94	46.9	-12.9
4	299.31	41.7 QP	46.0	-4.3	1.00 V	113	52.1	-10.4
5	697.02	42.6 QP	46.0	-3.4	2.00 V	100	43.0	-0.4
6	721.12	41.9 QP	46.0	-4.1	1.00 V	118	41.9	0.0

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 emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



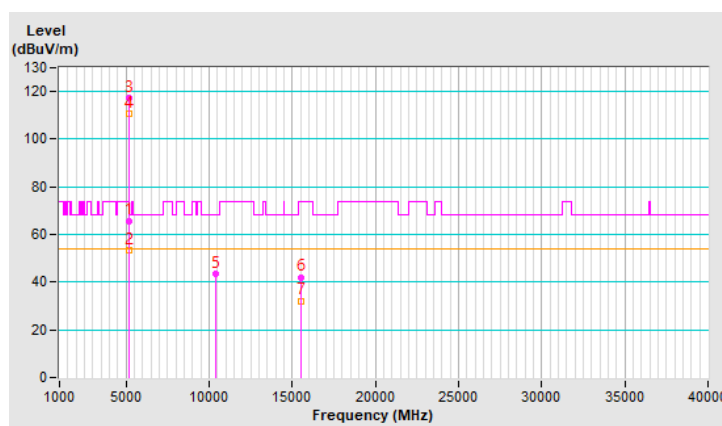
7.9 Unwanted Emissions above 1 GHz

RF Mode	TX 802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.80	65.8 PK	74.0	-8.2	1.97 H	88	64.9	0.9
2	5149.80	53.5 AV	54.0	-0.5	1.97 H	88	52.6	0.9
3	*5180.00	117.5 PK			1.97 H	88	116.9	0.6
4	*5180.00	110.5 AV			1.97 H	88	109.9	0.6
5	#10360.00	43.7 PK	68.2	-24.5	1.92 H	333	33.3	10.4
6	15540.00	42.1 PK	74.0	-31.9	1.59 H	182	30.6	11.5
7	15540.00	32.2 AV	54.0	-21.8	1.59 H	182	20.7	11.5

Remarks:

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

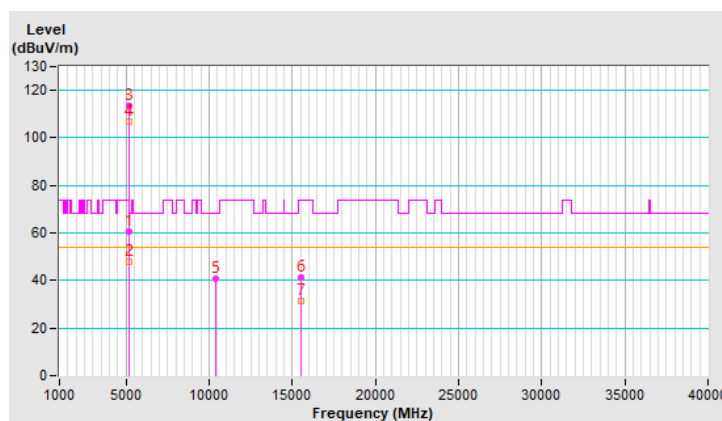


RF Mode	TX 802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5146.80	60.7 PK	74.0	-13.3	1.86 V	135	59.8	0.9
2	5146.80	48.0 AV	54.0	-6.0	1.86 V	135	47.1	0.9
3	*5180.00	113.6 PK			1.86 V	135	113.0	0.6
4	*5180.00	106.6 AV			1.86 V	135	106.0	0.6
5	#10360.00	40.9 PK	68.2	-27.3	3.69 V	223	30.5	10.4
6	15540.00	41.1 PK	74.0	-32.9	2.13 V	76	29.6	11.5
7	15540.00	31.3 AV	54.0	-22.7	2.13 V	76	19.8	11.5

Remarks:

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

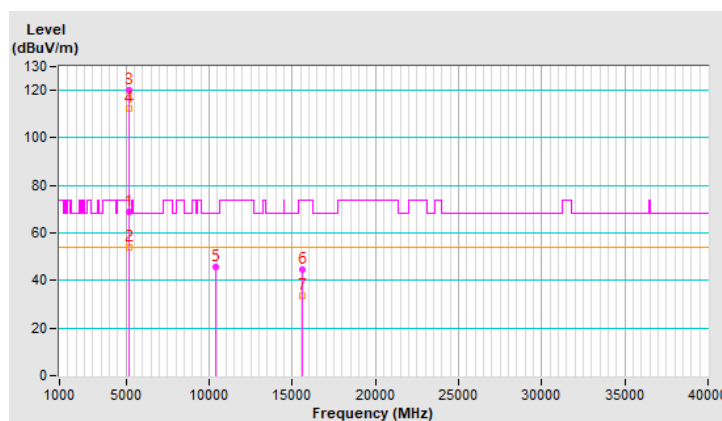


RF Mode	TX 802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	68.6 PK	74.0	-5.4	1.96 H	91	67.7	0.9
2	5150.00	53.9 AV	54.0	-0.1	1.96 H	91	53.0	0.9
3	*5200.00	120.2 PK			1.96 H	91	119.9	0.3
4	*5200.00	112.6 AV			1.96 H	91	112.3	0.3
5	#10400.00	45.6 PK	68.2	-22.6	1.88 H	332	35.0	10.6
6	15600.00	44.6 PK	74.0	-29.4	1.64 H	173	33.1	11.5
7	15600.00	33.4 AV	54.0	-20.6	1.64 H	173	21.9	11.5

Remarks:

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

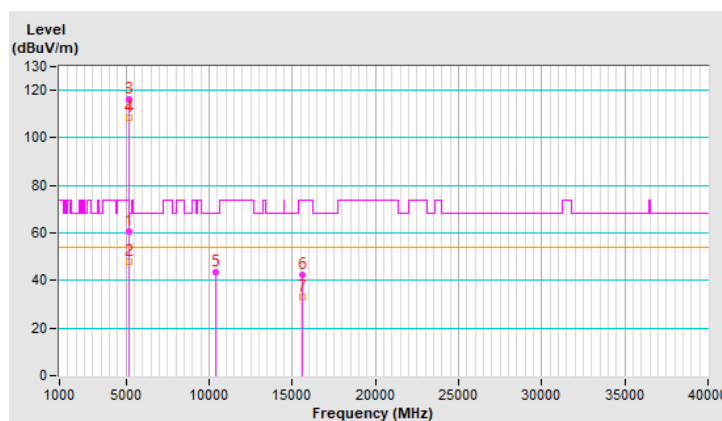


RF Mode	TX 802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.7 PK	74.0	-13.3	1.84 V	130	59.8	0.9
2	5150.00	47.7 AV	54.0	-6.3	1.84 V	130	46.8	0.9
3	*5200.00	116.0 PK			1.84 V	130	115.7	0.3
4	*5200.00	108.7 AV			1.84 V	130	108.4	0.3
5	#10400.00	43.3 PK	68.2	-24.9	3.71 V	214	32.7	10.6
6	15600.00	42.6 PK	74.0	-31.4	2.18 V	62	31.1	11.5
7	15600.00	32.9 AV	54.0	-21.1	2.18 V	62	21.4	11.5

Remarks:

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

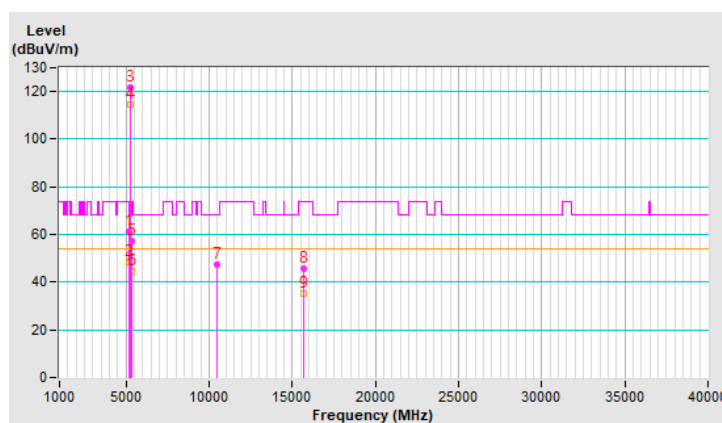


RF Mode	TX 802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.1 PK	74.0	-12.9	2.08 H	91	60.2	0.9
2	5150.00	48.2 AV	54.0	-5.8	2.08 H	91	47.3	0.9
3	*5240.00	121.8 PK			2.08 H	91	121.6	0.2
4	*5240.00	114.5 AV			2.08 H	91	114.3	0.2
5	5350.00	57.1 PK	74.0	-16.9	2.08 H	91	56.7	0.4
6	5350.00	44.6 AV	54.0	-9.4	2.08 H	91	44.2	0.4
7	#10480.00	47.6 PK	68.2	-20.6	1.89 H	329	37.2	10.4
8	15720.00	45.5 PK	74.0	-28.5	1.67 H	183	34.5	11.0
9	15720.00	35.2 AV	54.0	-18.8	1.67 H	183	24.2	11.0

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.

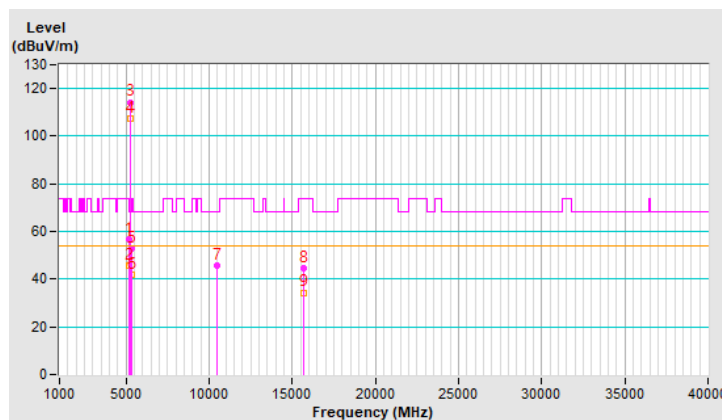


RF Mode	TX 802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.8 PK	74.0	-17.2	1.78 V	118	55.9	0.9
2	5150.00	45.6 AV	54.0	-8.4	1.78 V	118	44.7	0.9
3	*5240.00	114.3 PK			1.78 V	118	114.1	0.2
4	*5240.00	107.3 AV			1.78 V	118	107.1	0.2
5	5350.00	52.7 PK	74.0	-21.3	1.78 V	118	52.3	0.4
6	5350.00	41.8 AV	54.0	-12.2	1.78 V	118	41.4	0.4
7	#10480.00	45.9 PK	68.2	-22.3	3.76 V	203	35.5	10.4
8	15720.00	44.5 PK	74.0	-29.5	2.20 V	69	33.5	11.0
9	15720.00	34.4 AV	54.0	-19.6	2.20 V	69	23.4	11.0

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.

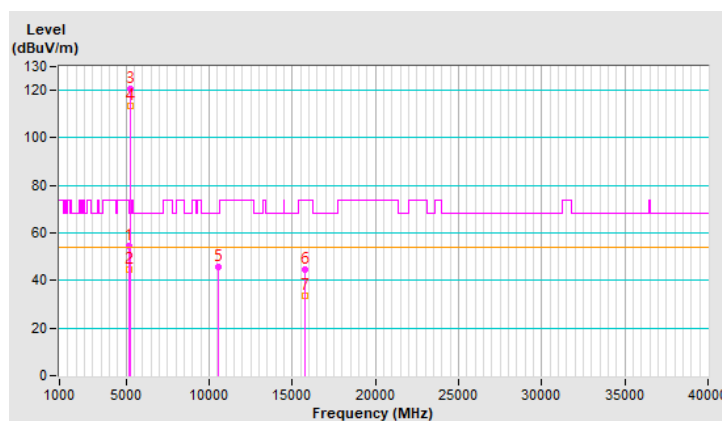


RF Mode	TX 802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.16 H	88	53.7	0.9
2	5150.00	44.8 AV	54.0	-9.2	2.16 H	88	43.9	0.9
3	*5260.00	120.6 PK			2.16 H	88	120.5	0.1
4	*5260.00	113.3 AV			2.16 H	88	113.2	0.1
5	#10520.00	45.7 PK	68.2	-22.5	1.85 H	343	35.4	10.3
6	15780.00	44.7 PK	74.0	-29.3	1.63 H	177	33.6	11.1
7	15780.00	33.6 AV	54.0	-20.4	1.63 H	177	22.5	11.1

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.

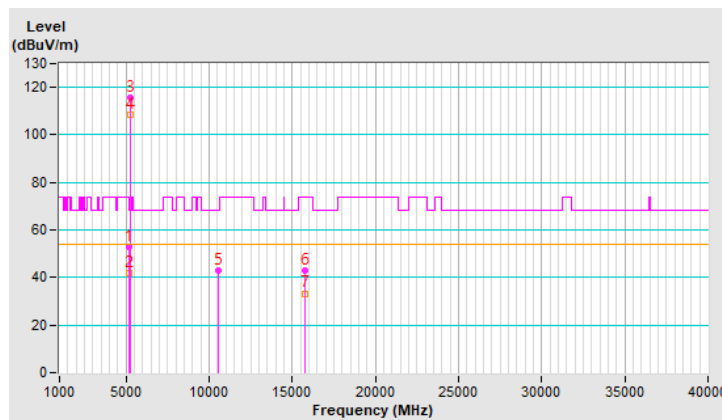


RF Mode	TX 802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.83 V	156	51.8	0.9
2	5150.00	41.8 AV	54.0	-12.2	1.83 V	156	40.9	0.9
3	*5260.00	115.9 PK			1.83 V	156	115.8	0.1
4	*5260.00	108.4 AV			1.83 V	156	108.3	0.1
5	#10520.00	43.1 PK	68.2	-25.1	3.68 V	200	32.8	10.3
6	15780.00	42.7 PK	74.0	-31.3	2.21 V	62	31.6	11.1
7	15780.00	33.3 AV	54.0	-20.7	2.21 V	62	22.2	11.1

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.

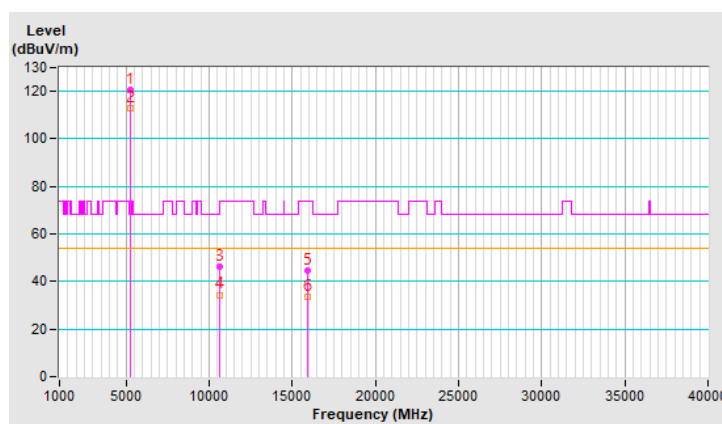


RF Mode	TX 802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	120.6 PK			2.16 H	94	120.5	0.1
2	*5300.00	113.1 AV			2.16 H	94	113.0	0.1
3	10600.00	46.1 PK	74.0	-27.9	1.81 H	351	36.3	9.8
4	10600.00	34.4 AV	54.0	-19.6	1.81 H	351	24.6	9.8
5	15900.00	44.4 PK	74.0	-29.6	1.66 H	187	33.1	11.3
6	15900.00	33.5 AV	54.0	-20.5	1.66 H	187	22.2	11.3

Remarks:

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

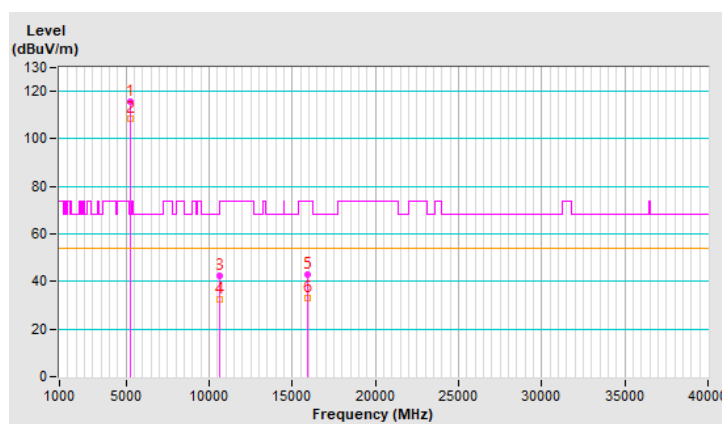


RF Mode	TX 802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.8 PK			1.78 V	141	115.7	0.1
2	*5300.00	108.5 AV			1.78 V	141	108.4	0.1
3	10600.00	42.5 PK	74.0	-31.5	3.68 V	227	32.7	9.8
4	10600.00	32.6 AV	54.0	-21.4	3.68 V	227	22.8	9.8
5	15900.00	42.9 PK	74.0	-31.1	2.23 V	53	31.6	11.3
6	15900.00	33.0 AV	54.0	-21.0	2.23 V	53	21.7	11.3

Remarks:

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

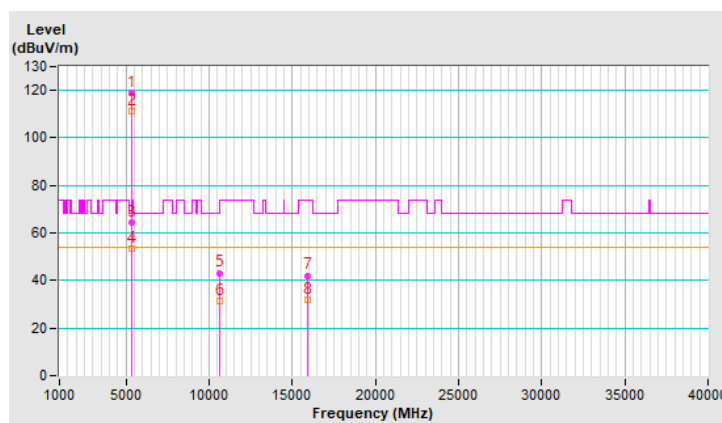


RF Mode	TX 802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	119.1 PK			2.03 H	90	118.9	0.2
2	*5320.00	111.4 AV			2.03 H	90	111.2	0.2
3	5350.00	64.3 PK	74.0	-9.7	2.03 H	90	63.9	0.4
4	5350.00	53.6 AV	54.0	-0.4	2.03 H	90	53.2	0.4
5	10640.00	43.2 PK	74.0	-30.8	1.89 H	343	33.3	9.9
6	10640.00	31.4 AV	54.0	-22.6	1.89 H	343	21.5	9.9
7	15960.00	42.1 PK	74.0	-31.9	1.64 H	191	30.4	11.7
8	15960.00	32.1 AV	54.0	-21.9	1.64 H	191	20.4	11.7

Remarks:

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

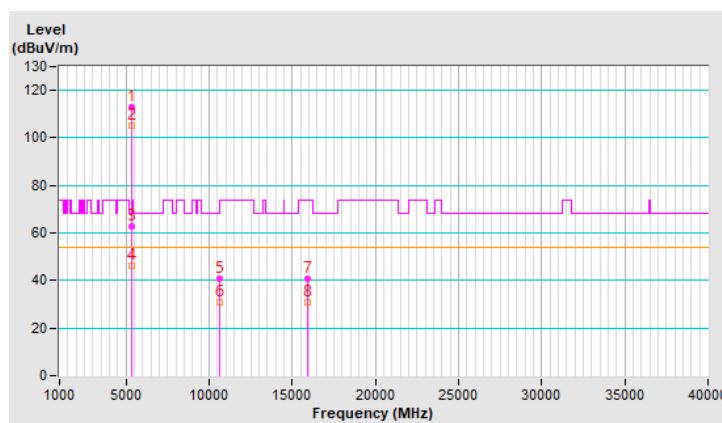


RF Mode	TX 802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	113.1 PK			1.84 V	144	112.9	0.2
2	*5320.00	105.3 AV			1.84 V	144	105.1	0.2
3	5352.50	63.0 PK	74.0	-11.0	1.84 V	144	62.5	0.5
4	5352.50	46.3 AV	54.0	-7.7	1.84 V	144	45.8	0.5
5	10640.00	40.6 PK	74.0	-33.4	3.65 V	209	30.7	9.9
6	10640.00	30.7 AV	54.0	-23.3	3.65 V	209	20.8	9.9
7	15960.00	40.6 PK	74.0	-33.4	2.09 V	86	28.9	11.7
8	15960.00	30.9 AV	54.0	-23.1	2.09 V	86	19.2	11.7

Remarks:

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

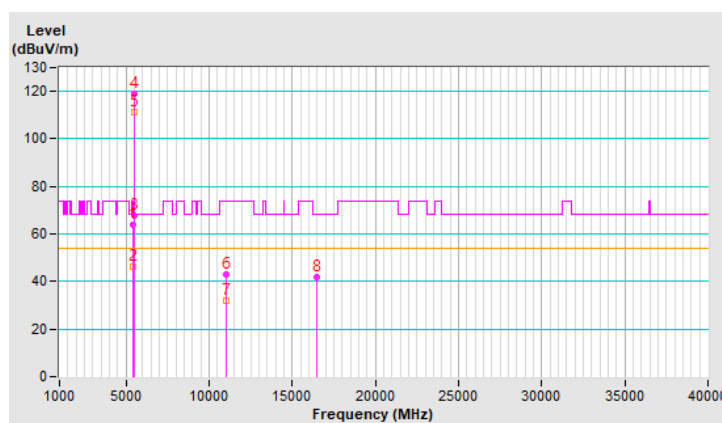


RF Mode	TX 802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5459.00	64.0 PK	74.0	-10.0	2.05 H	90	63.3	0.7
2	5459.00	46.1 AV	54.0	-7.9	2.05 H	90	45.4	0.7
3	#5468.90	67.8 PK	68.2	-0.4	2.05 H	90	67.1	0.7
4	*5500.00	118.9 PK			2.05 H	90	118.2	0.7
5	*5500.00	111.4 AV			2.05 H	90	110.7	0.7
6	11000.00	42.8 PK	74.0	-31.2	1.87 H	350	31.7	11.1
7	11000.00	31.9 AV	54.0	-22.1	1.87 H	350	20.8	11.1
8	#16500.00	41.9 PK	68.2	-26.3	1.65 H	183	27.8	14.1

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.

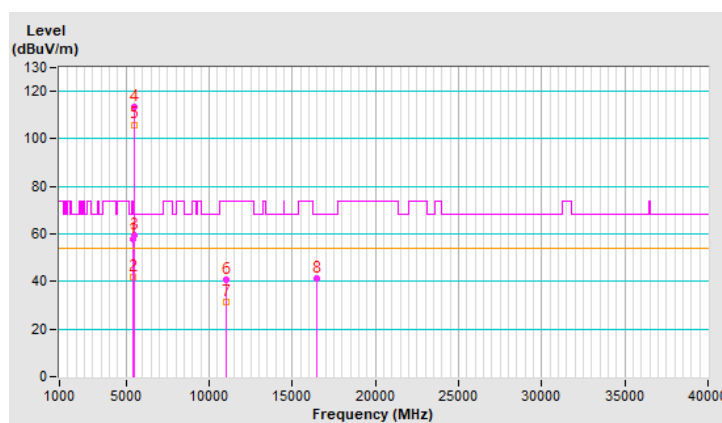


RF Mode	TX 802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5458.50	57.6 PK	74.0	-16.4	2.08 V	37	56.9	0.7
2	5458.50	42.0 AV	54.0	-12.0	2.08 V	37	41.3	0.7
3	#5468.75	59.4 PK	68.2	-8.8	2.08 V	37	58.7	0.7
4	*5500.00	113.3 PK			2.08 V	37	112.6	0.7
5	*5500.00	106.0 AV			2.08 V	37	105.3	0.7
6	11000.00	40.6 PK	74.0	-33.4	3.63 V	201	29.5	11.1
7	11000.00	31.3 AV	54.0	-22.7	3.63 V	201	20.2	11.1
8	#16500.00	41.2 PK	68.2	-27.0	2.14 V	90	27.1	14.1

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.

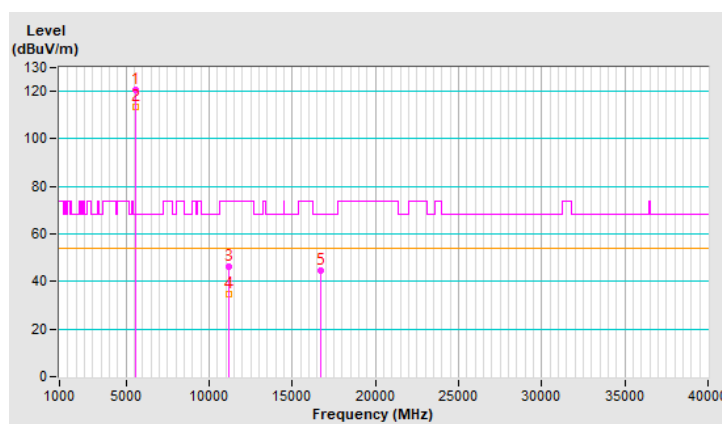


RF Mode	TX 802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	120.4 PK			2.12 H	102	119.7	0.7
2	*5580.00	113.2 AV			2.12 H	102	112.5	0.7
3	11160.00	46.5 PK	74.0	-27.5	1.77 H	344	35.7	10.8
4	11160.00	34.9 AV	54.0	-19.1	1.77 H	344	24.1	10.8
5	#16740.00	44.5 PK	68.2	-23.7	1.72 H	192	29.6	14.9

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.

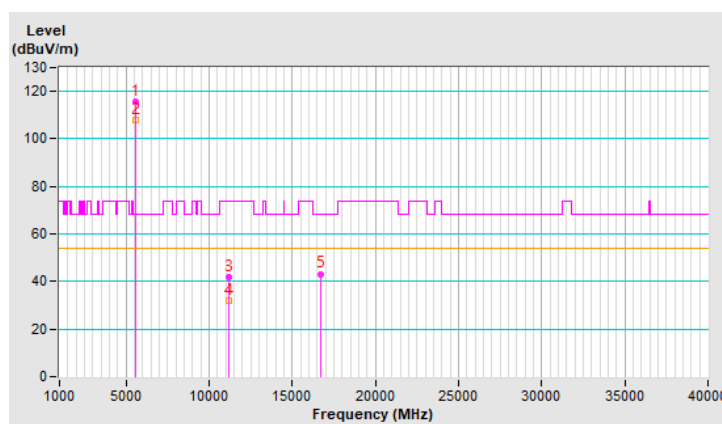


RF Mode	TX 802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.7 PK			1.79 V	156	115.0	0.7
2	*5580.00	108.1 AV			1.79 V	156	107.4	0.7
3	11160.00	41.8 PK	74.0	-32.2	3.73 V	220	31.0	10.8
4	11160.00	32.1 AV	54.0	-21.9	3.73 V	220	21.3	10.8
5	#16740.00	43.2 PK	68.2	-25.0	2.23 V	40	28.3	14.9

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.

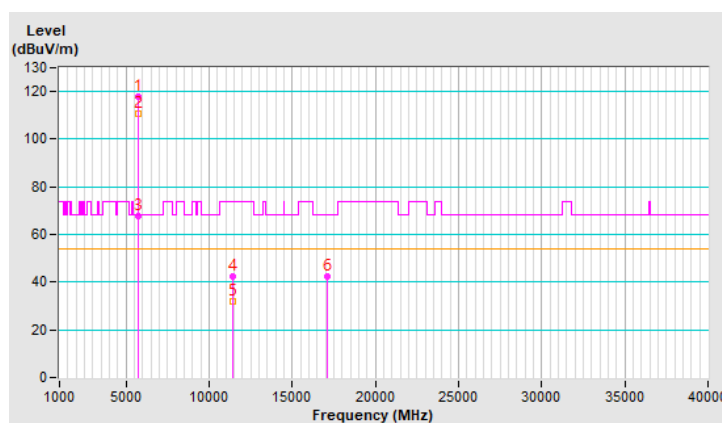


RF Mode	TX 802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	118.0 PK			2.05 H	92	116.9	1.1
2	*5700.00	110.8 AV			2.05 H	92	109.7	1.1
3	#5725.00	67.8 PK	68.2	-0.4	2.05 H	92	66.6	1.2
4	11400.00	42.6 PK	74.0	-31.4	1.86 H	359	30.9	11.7
5	11400.00	32.0 AV	54.0	-22.0	1.86 H	359	20.3	11.7
6	#17100.00	42.2 PK	68.2	-26.0	1.70 H	168	25.5	16.7

Remarks:

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

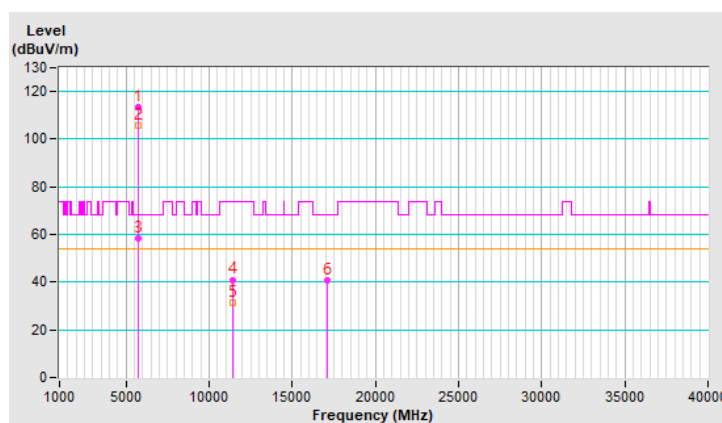


RF Mode	TX 802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	113.4 PK			1.89 V	154	112.3	1.1
2	*5700.00	105.8 AV			1.89 V	154	104.7	1.1
3	#5725.00	58.4 PK	68.2	-9.8	1.89 V	154	57.2	1.2
4	11400.00	41.0 PK	74.0	-33.0	3.67 V	202	29.3	11.7
5	11400.00	31.5 AV	54.0	-22.5	3.67 V	202	19.8	11.7
6	#17100.00	40.8 PK	68.2	-27.4	2.11 V	95	24.1	16.7

Remarks:

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

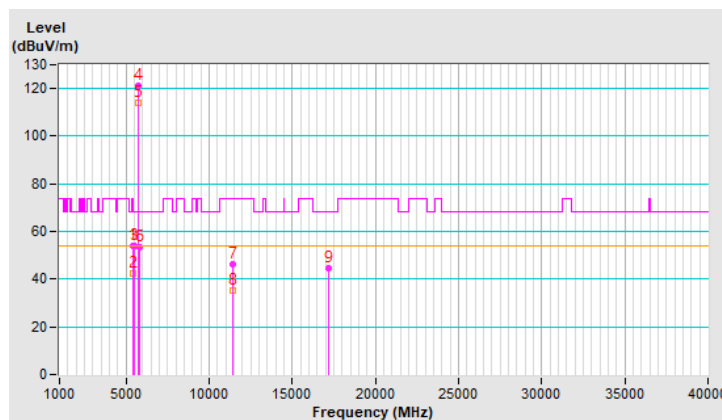


RF Mode	TX 802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.8 PK	74.0	-20.2	2.21 H	92	53.1	0.7
2	5460.00	42.4 AV	54.0	-11.6	2.21 H	92	41.7	0.7
3	#5470.00	54.0 PK	68.2	-14.2	2.21 H	92	53.3	0.7
4	*5720.00	121.1 PK			2.21 H	92	119.9	1.2
5	*5720.00	113.8 AV			2.21 H	92	112.6	1.2
6	#5850.00	53.2 PK	68.2	-15.0	2.21 H	92	52.0	1.2
7	11440.00	46.4 PK	74.0	-27.6	1.83 H	338	34.7	11.7
8	11440.00	35.0 AV	54.0	-19.0	1.83 H	338	23.3	11.7
9	#17160.00	44.4 PK	68.2	-23.8	1.76 H	176	28.2	16.2

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.

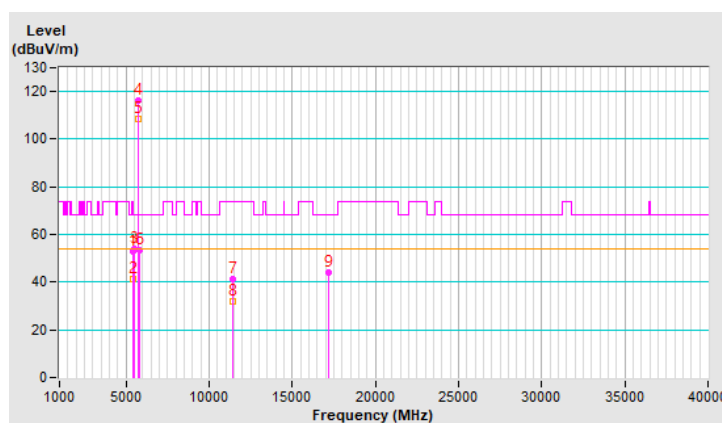


RF Mode	TX 802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.0 PK	74.0	-21.0	1.85 V	145	52.3	0.7
2	5460.00	41.4 AV	54.0	-12.6	1.85 V	145	40.7	0.7
3	#5470.00	53.8 PK	68.2	-14.4	1.85 V	145	53.1	0.7
4	*5720.00	116.2 PK			1.85 V	145	115.0	1.2
5	*5720.00	108.4 AV			1.85 V	145	107.2	1.2
6	#5850.00	53.3 PK	68.2	-14.9	1.85 V	145	52.1	1.2
7	11440.00	41.5 PK	74.0	-32.5	3.71 V	207	29.8	11.7
8	11440.00	32.0 AV	54.0	-22.0	3.71 V	207	20.3	11.7
9	#17160.00	43.8 PK	68.2	-24.4	2.24 V	48	27.6	16.2

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.

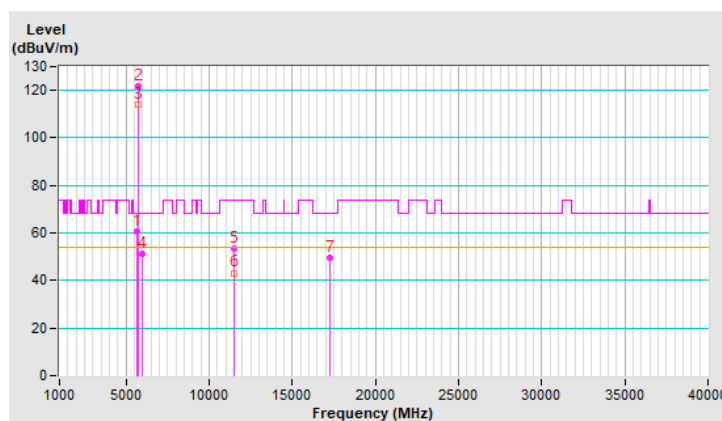


RF Mode	TX 802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.30	60.7 PK	68.2	-7.5	2.03 H	92	59.8	0.9
2	*5745.00	121.5 PK			2.03 H	92	120.2	1.3
3	*5745.00	113.8 AV			2.03 H	92	112.5	1.3
4	#6008.55	51.3 PK	68.2	-16.9	2.03 H	92	49.6	1.7
5	11490.00	53.6 PK	74.0	-20.4	2.10 H	304	41.9	11.7
6	11490.00	43.2 AV	54.0	-10.8	2.10 H	304	31.5	11.7
7	#17235.00	49.7 PK	68.2	-18.5	1.66 H	179	33.9	15.8

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.

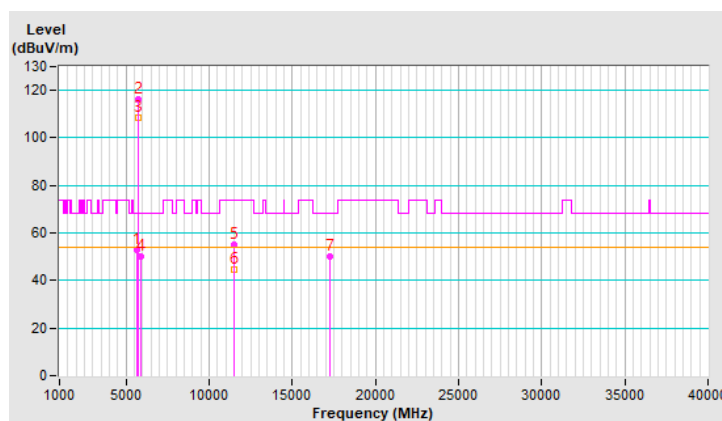


RF Mode	TX 802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.00	53.1 PK	68.2	-15.1	1.50 V	34	52.2	0.9
2	*5745.00	116.4 PK			1.50 V	34	115.1	1.3
3	*5745.00	108.7 AV			1.50 V	34	107.4	1.3
4	#5928.11	50.2 PK	68.2	-18.0	1.50 V	34	48.7	1.5
5	11490.00	54.9 PK	74.0	-19.1	3.79 V	214	43.2	11.7
6	11490.00	44.5 AV	54.0	-9.5	3.79 V	214	32.8	11.7
7	#17235.00	49.9 PK	68.2	-18.3	2.19 V	61	34.1	15.8

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.

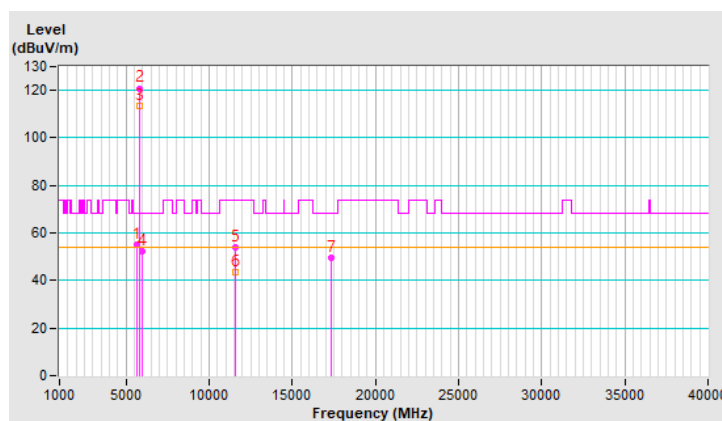


RF Mode	TX 802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.35	55.3 PK	68.2	-12.9	2.09 H	94	54.4	0.9
2	*5785.00	120.9 PK			2.09 H	94	119.7	1.2
3	*5785.00	113.3 AV			2.09 H	94	112.1	1.2
4	#5987.43	52.4 PK	68.2	-15.8	2.09 H	94	50.8	1.6
5	11570.00	54.0 PK	74.0	-20.0	2.07 H	318	42.5	11.5
6	11570.00	43.5 AV	54.0	-10.5	2.07 H	318	32.0	11.5
7	#17355.00	49.6 PK	68.2	-18.6	1.70 H	186	33.0	16.6

Remarks:

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

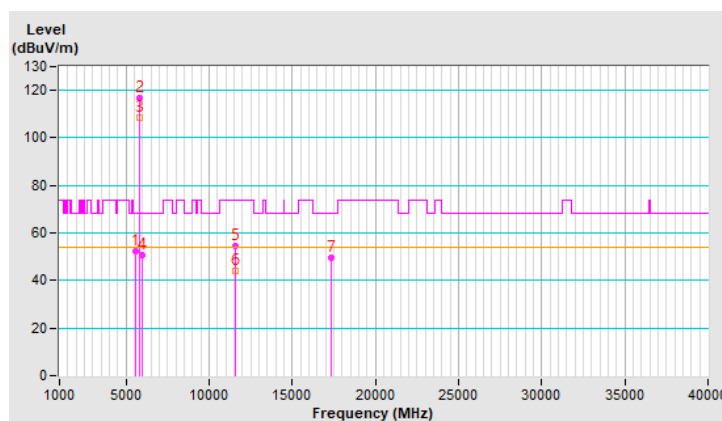


RF Mode	TX 802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5598.00	52.5 PK	68.2	-15.7	1.69 V	35	51.7	0.8
2	*5785.00	116.8 PK			1.69 V	35	115.6	1.2
3	*5785.00	108.6 AV			1.69 V	35	107.4	1.2
4	#6010.90	50.8 PK	68.2	-17.4	1.69 V	35	49.1	1.7
5	11570.00	54.6 PK	74.0	-19.4	3.76 V	206	43.1	11.5
6	11570.00	44.2 AV	54.0	-9.8	3.76 V	206	32.7	11.5
7	#17355.00	49.8 PK	68.2	-18.4	2.17 V	76	33.2	16.6

Remarks:

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

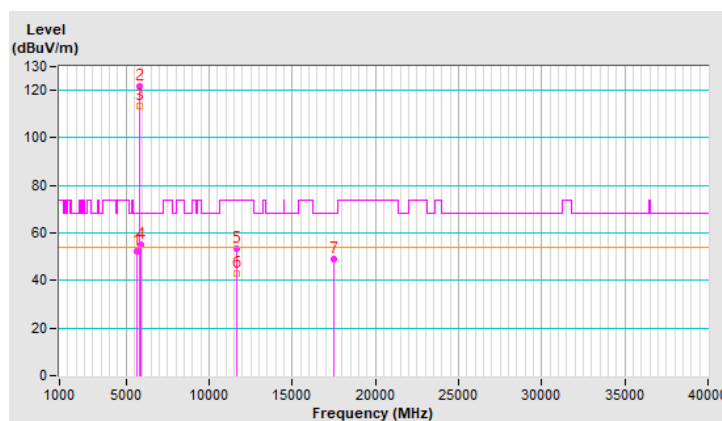


RF Mode	TX 802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.00	52.3 PK	68.2	-15.9	2.08 H	93	51.4	0.9
2	*5825.00	121.5 PK			2.08 H	93	120.3	1.2
3	*5825.00	113.6 AV			2.08 H	93	112.4	1.2
4	#5929.40	55.3 PK	68.2	-12.9	2.08 H	93	53.8	1.5
5	11650.00	53.4 PK	74.0	-20.6	2.11 H	332	42.2	11.2
6	11650.00	43.1 AV	54.0	-10.9	2.11 H	332	31.9	11.2
7	#17475.00	49.0 PK	68.2	-19.2	1.68 H	172	30.9	18.1

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.

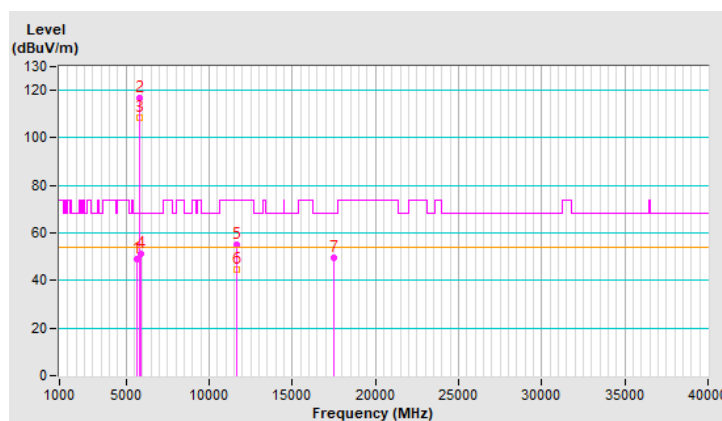


RF Mode	TX 802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 510 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5623.80	49.1 PK	68.2	-19.1	1.56 V	35	48.2	0.9
2	*5825.00	116.7 PK			1.56 V	35	115.5	1.2
3	*5825.00	108.6 AV			1.56 V	35	107.4	1.2
4	#5931.80	51.0 PK	68.2	-17.2	1.56 V	35	49.5	1.5
5	11650.00	55.2 PK	74.0	-18.8	3.71 V	200	44.0	11.2
6	11650.00	44.6 AV	54.0	-9.4	3.71 V	200	33.4	11.2
7	#17475.00	49.6 PK	68.2	-18.6	2.14 V	73	31.5	18.1

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.

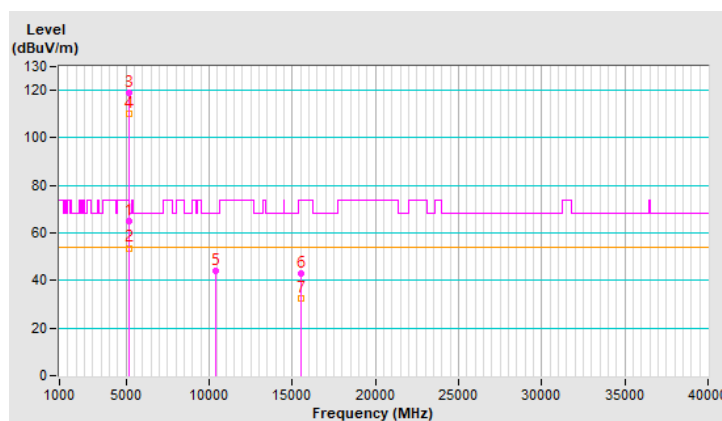


RF Mode	TX 802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.1 PK	74.0	-8.9	2.11 H	87	64.2	0.9
2	5150.00	53.7 AV	54.0	-0.3	2.11 H	87	52.8	0.9
3	*5180.00	119.2 PK			2.11 H	87	118.6	0.6
4	*5180.00	110.4 AV			2.11 H	87	109.8	0.6
5	#10360.00	43.8 PK	68.2	-24.4	1.91 H	342	33.4	10.4
6	15540.00	42.8 PK	74.0	-31.2	1.53 H	184	31.3	11.5
7	15540.00	32.7 AV	54.0	-21.3	1.53 H	184	21.2	11.5

Remarks:

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

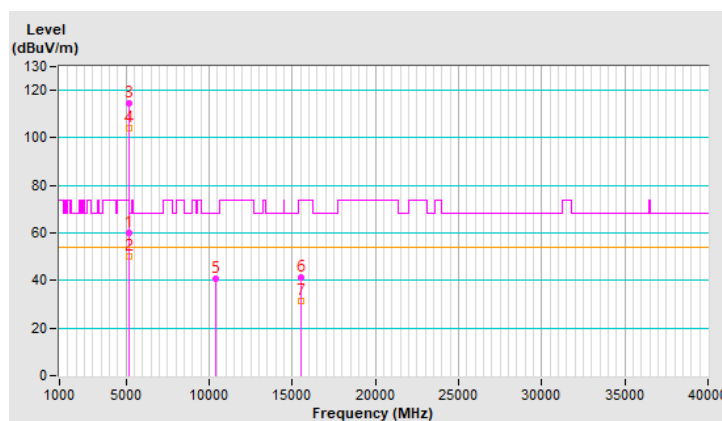


RF Mode	TX 802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.1 PK	74.0	-13.9	1.68 V	138	59.2	0.9
2	5150.00	50.1 AV	54.0	-3.9	1.68 V	138	49.2	0.9
3	*5180.00	114.5 PK			1.68 V	138	113.9	0.6
4	*5180.00	104.3 AV			1.68 V	138	103.7	0.6
5	#10360.00	40.9 PK	68.2	-27.3	3.66 V	235	30.5	10.4
6	15540.00	41.3 PK	74.0	-32.7	2.13 V	78	29.8	11.5
7	15540.00	31.3 AV	54.0	-22.7	2.13 V	78	19.8	11.5

Remarks:

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

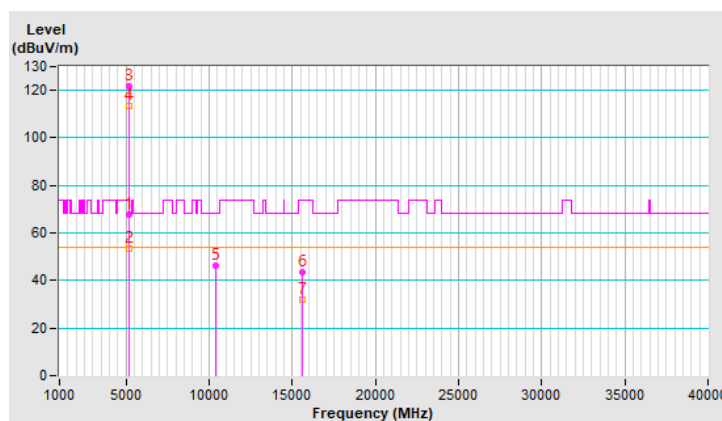


RF Mode	TX 802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	67.9 PK	74.0	-6.1	2.11 H	88	67.0	0.9
2	5150.00	53.6 AV	54.0	-0.4	2.11 H	88	52.7	0.9
3	*5200.00	121.9 PK			2.11 H	88	121.6	0.3
4	*5200.00	113.7 AV			2.11 H	88	113.4	0.3
5	#10400.00	46.3 PK	68.2	-21.9	1.76 H	340	35.7	10.6
6	15600.00	43.7 PK	74.0	-30.3	1.64 H	200	32.2	11.5
7	15600.00	32.1 AV	54.0	-21.9	1.64 H	200	20.6	11.5

Remarks:

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

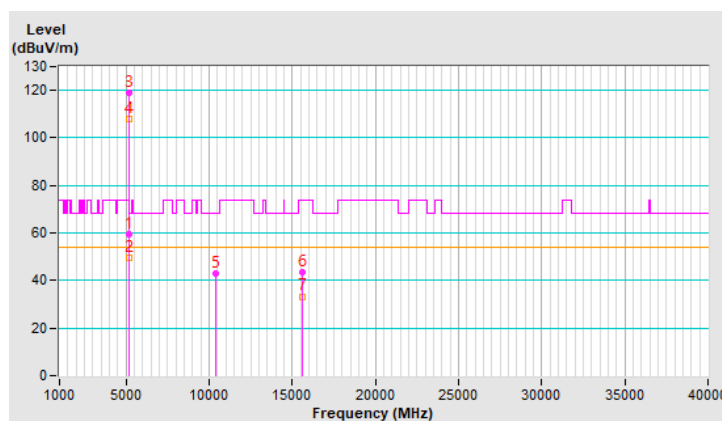


RF Mode	TX 802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	59.6 PK	74.0	-14.4	1.69 V	148	58.7	0.9
2	5150.00	49.5 AV	54.0	-4.5	1.69 V	148	48.6	0.9
3	*5200.00	118.8 PK			1.69 V	148	118.5	0.3
4	*5200.00	108.1 AV			1.69 V	148	107.8	0.3
5	#10400.00	42.7 PK	68.2	-25.5	3.65 V	235	32.1	10.6
6	15600.00	43.6 PK	74.0	-30.4	2.22 V	50	32.1	11.5
7	15600.00	33.3 AV	54.0	-20.7	2.22 V	50	21.8	11.5

Remarks:

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

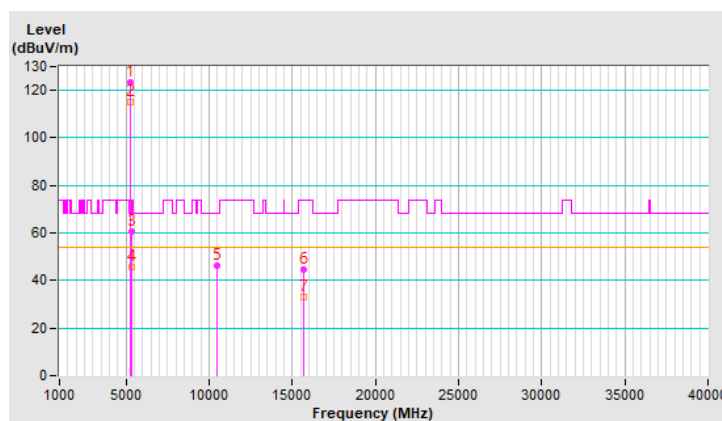


RF Mode	TX 802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	123.5 PK			2.06 H	92	123.3	0.2
2	*5240.00	114.9 AV			2.06 H	92	114.7	0.2
3	5350.00	60.4 PK	74.0	-13.6	2.06 H	92	60.0	0.4
4	5350.00	45.6 AV	54.0	-8.4	2.06 H	92	45.2	0.4
5	#10480.00	46.4 PK	68.2	-21.8	1.71 H	343	36.0	10.4
6	15720.00	44.7 PK	74.0	-29.3	1.62 H	174	33.7	11.0
7	15720.00	32.9 AV	54.0	-21.1	1.62 H	174	21.9	11.0

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.

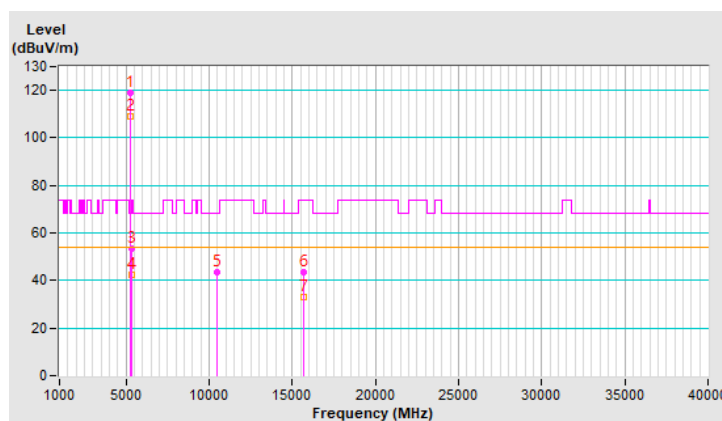


RF Mode	TX 802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.1 PK			1.72 V	144	118.9	0.2
2	*5240.00	109.2 AV			1.72 V	144	109.0	0.2
3	5350.00	53.3 PK	74.0	-20.7	1.72 V	144	52.9	0.4
4	5350.00	42.2 AV	54.0	-11.8	1.72 V	144	41.8	0.4
5	#10480.00	43.4 PK	68.2	-24.8	3.59 V	222	33.0	10.4
6	15720.00	43.4 PK	74.0	-30.6	2.22 V	80	32.4	11.0
7	15720.00	33.1 AV	54.0	-20.9	2.22 V	80	22.1	11.0

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.

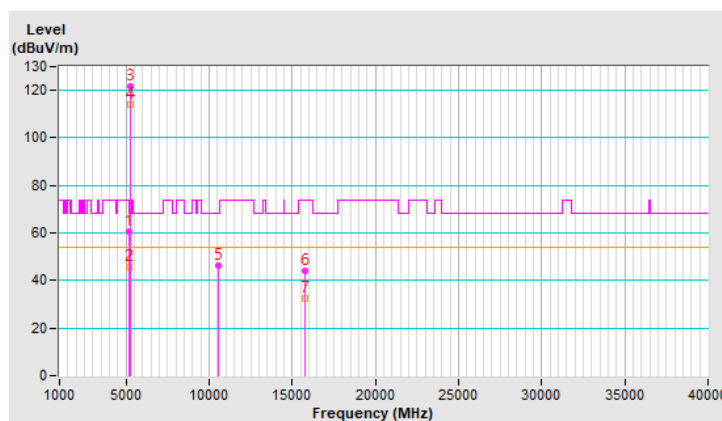


RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.6 PK	74.0	-13.4	2.15 H	82	59.7	0.9
2	5150.00	45.5 AV	54.0	-8.5	2.15 H	82	44.6	0.9
3	*5260.00	121.7 PK			2.15 H	82	121.6	0.1
4	*5260.00	113.8 AV			2.15 H	82	113.7	0.1
5	#10520.00	46.1 PK	68.2	-22.1	1.77 H	342	35.8	10.3
6	15780.00	44.1 PK	74.0	-29.9	1.64 H	186	33.0	11.1
7	15780.00	32.6 AV	54.0	-21.4	1.64 H	186	21.5	11.1

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.

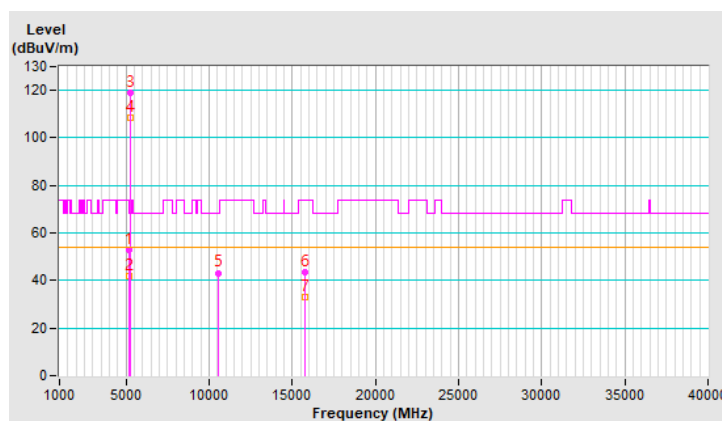


RF Mode	TX 802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.70 V	142	51.8	0.9
2	5150.00	41.9 AV	54.0	-12.1	1.70 V	142	41.0	0.9
3	*5260.00	118.8 PK			1.70 V	142	118.7	0.1
4	*5260.00	108.3 AV			1.70 V	142	108.2	0.1
5	#10520.00	43.2 PK	68.2	-25.0	3.64 V	230	32.9	10.3
6	15780.00	43.6 PK	74.0	-30.4	2.17 V	64	32.5	11.1
7	15780.00	33.0 AV	54.0	-21.0	2.17 V	64	21.9	11.1

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.

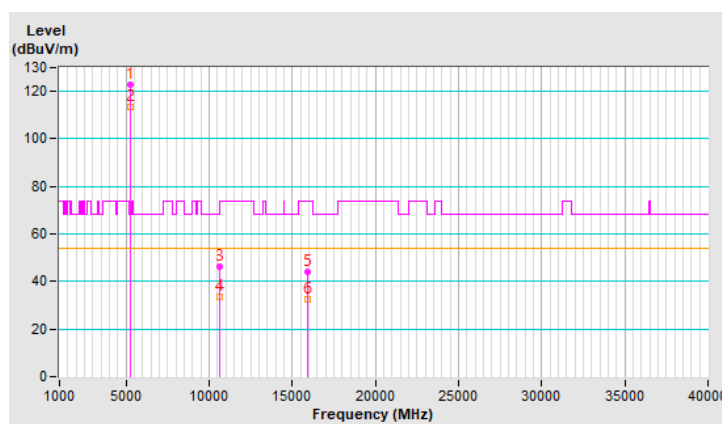


RF Mode	TX 802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	122.8 PK			2.05 H	86	122.7	0.1
2	*5300.00	113.3 AV			2.05 H	86	113.2	0.1
3	10600.00	46.1 PK	74.0	-27.9	1.76 H	346	36.3	9.8
4	10600.00	33.7 AV	54.0	-20.3	1.76 H	346	23.9	9.8
5	15900.00	44.0 PK	74.0	-30.0	1.64 H	193	32.7	11.3
6	15900.00	32.4 AV	54.0	-21.6	1.64 H	193	21.1	11.3

Remarks:

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

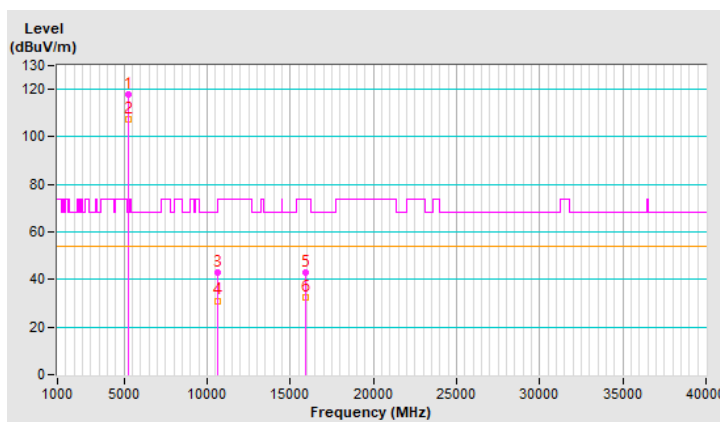


RF Mode	TX 802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	118.1 PK			1.73 V	139	118.0	0.1
2	*5300.00	107.6 AV			1.73 V	139	107.5	0.1
3	10600.00	42.9 PK	74.0	-31.1	3.67 V	230	33.1	9.8
4	10600.00	31.1 AV	54.0	-22.9	3.67 V	230	21.3	9.8
5	15900.00	43.1 PK	74.0	-30.9	2.20 V	54	31.8	11.3
6	15900.00	32.6 AV	54.0	-21.4	2.20 V	54	21.3	11.3

Remarks:

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

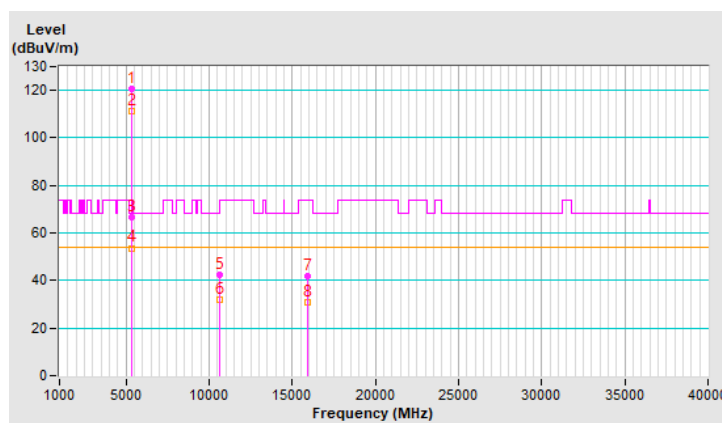


RF Mode	TX 802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	120.5 PK			2.08 H	84	120.3	0.2
2	*5320.00	111.0 AV			2.08 H	84	110.8	0.2
3	5350.00	66.7 PK	74.0	-7.3	2.08 H	84	66.3	0.4
4	5350.00	53.7 AV	54.0	-0.3	2.08 H	84	53.3	0.4
5	10640.00	42.4 PK	74.0	-31.6	1.92 H	360	32.5	9.9
6	10640.00	31.7 AV	54.0	-22.3	1.92 H	360	21.8	9.9
7	15960.00	41.6 PK	74.0	-32.4	1.70 H	189	29.9	11.7
8	15960.00	30.9 AV	54.0	-23.1	1.70 H	189	19.2	11.7

Remarks:

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

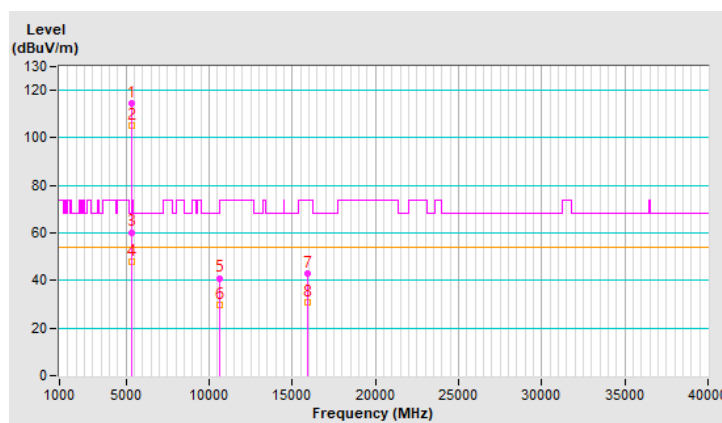


RF Mode	TX 802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	114.8 PK			1.99 V	142	114.6	0.2
2	*5320.00	105.4 AV			1.99 V	142	105.2	0.2
3	5351.60	60.3 PK	74.0	-13.7	1.99 V	142	59.8	0.5
4	5351.60	47.8 AV	54.0	-6.2	1.99 V	142	47.3	0.5
5	10640.00	41.0 PK	74.0	-33.0	3.62 V	190	31.1	9.9
6	10640.00	29.5 AV	54.0	-24.5	3.62 V	190	19.6	9.9
7	15960.00	42.8 PK	74.0	-31.2	2.18 V	104	31.1	11.7
8	15960.00	30.6 AV	54.0	-23.4	2.18 V	104	18.9	11.7

Remarks:

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

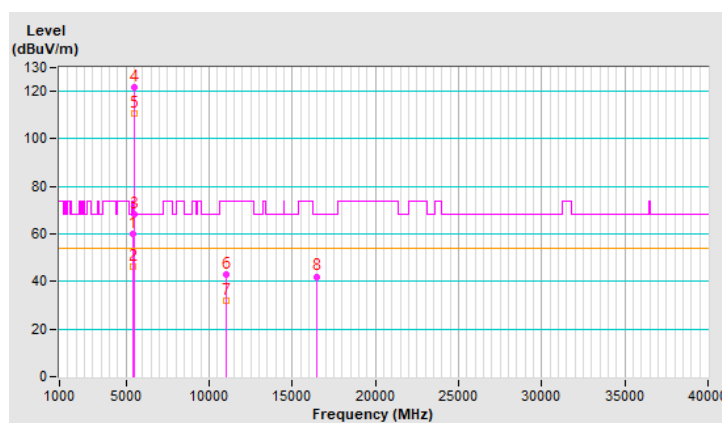


RF Mode	TX 802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.8 PK	74.0	-14.2	2.06 H	82	59.1	0.7
2	5460.00	46.1 AV	54.0	-7.9	2.06 H	82	45.4	0.7
3	#5470.00	68.1 PK	68.2	-0.1	2.06 H	82	67.4	0.7
4	*5500.00	121.9 PK			2.06 H	82	121.2	0.7
5	*5500.00	110.5 AV			2.06 H	82	109.8	0.7
6	11000.00	43.0 PK	74.0	-31.0	1.83 H	360	31.9	11.1
7	11000.00	31.9 AV	54.0	-22.1	1.83 H	360	20.8	11.1
8	#16500.00	42.1 PK	68.2	-26.1	1.70 H	195	28.0	14.1

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.

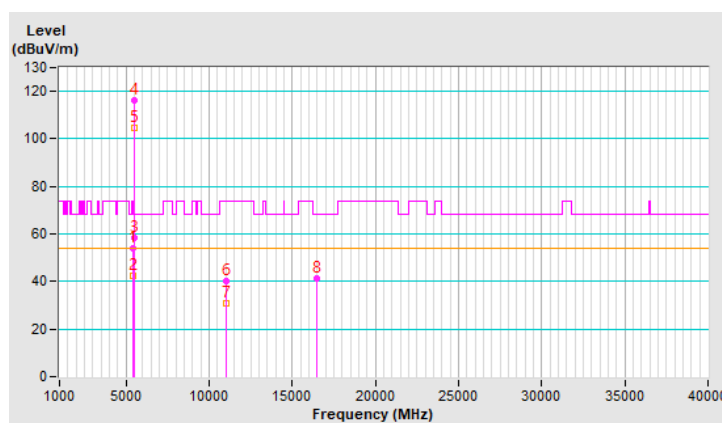


RF Mode	TX 802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.85 V	36	53.2	0.7
2	5460.00	42.2 AV	54.0	-11.8	1.85 V	36	41.5	0.7
3	#5466.70	58.2 PK	68.2	-10.0	1.85 V	36	57.5	0.7
4	*5500.00	116.4 PK			1.85 V	36	115.7	0.7
5	*5500.00	104.8 AV			1.85 V	36	104.1	0.7
6	11000.00	40.2 PK	74.0	-33.8	3.58 V	208	29.1	11.1
7	11000.00	30.9 AV	54.0	-23.1	3.58 V	208	19.8	11.1
8	#16500.00	41.5 PK	68.2	-26.7	2.12 V	106	27.4	14.1

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.

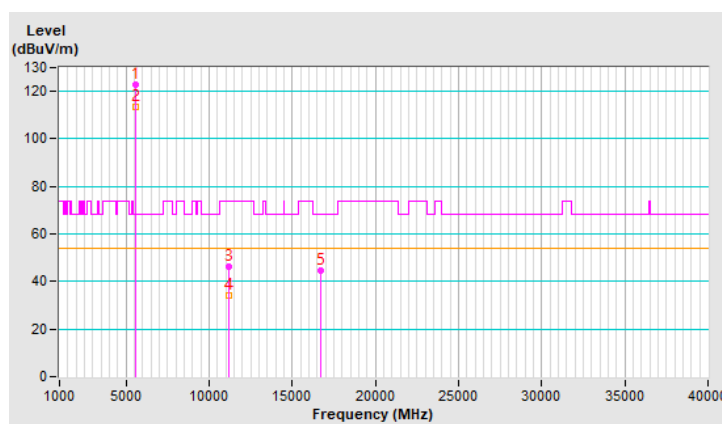


RF Mode	TX 802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	123.0 PK			2.07 H	92	122.3	0.7
2	*5580.00	113.5 AV			2.07 H	92	112.8	0.7
3	11160.00	46.4 PK	74.0	-27.6	1.79 H	359	35.6	10.8
4	11160.00	34.1 AV	54.0	-19.9	1.79 H	359	23.3	10.8
5	#16740.00	44.5 PK	68.2	-23.7	1.64 H	183	29.6	14.9

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.

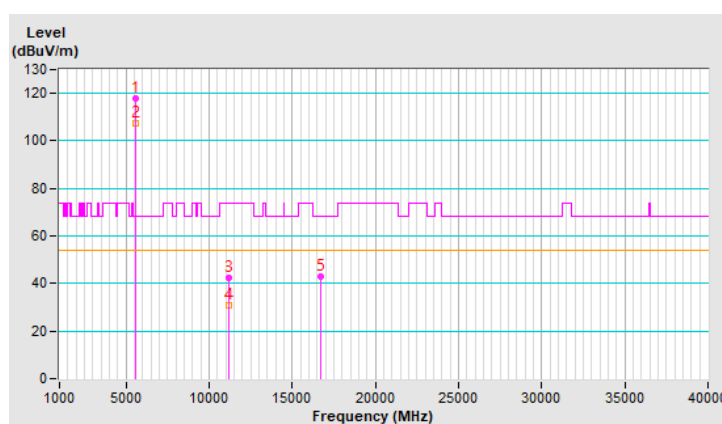


RF Mode	TX 802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	117.8 PK			1.76 V	133	117.1	0.7
2	*5580.00	107.3 AV			1.76 V	133	106.6	0.7
3	11160.00	42.6 PK	74.0	-31.4	3.63 V	182	31.8	10.8
4	11160.00	30.7 AV	54.0	-23.3	3.63 V	182	19.9	10.8
5	#16740.00	42.9 PK	68.2	-25.3	2.17 V	119	28.0	14.9

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.

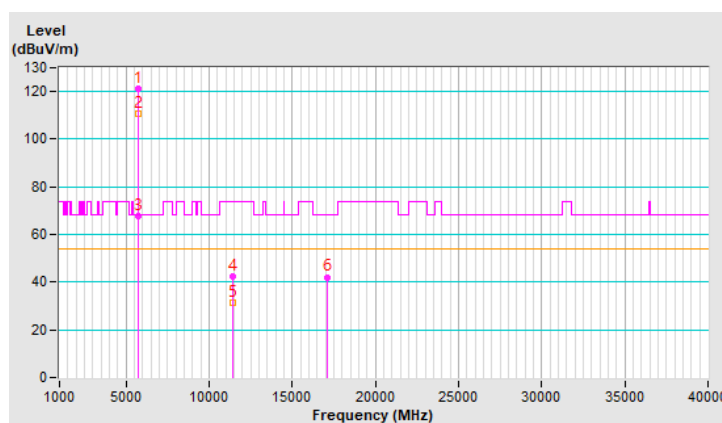


RF Mode	TX 802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	121.0 PK			2.04 H	90	119.9	1.1
2	*5700.00	110.5 AV			2.04 H	90	109.4	1.1
3	#5725.00	67.7 PK	68.2	-0.5	2.04 H	90	66.5	1.2
4	11400.00	42.3 PK	74.0	-31.7	1.91 H	351	30.6	11.7
5	11400.00	31.5 AV	54.0	-22.5	1.91 H	351	19.8	11.7
6	#17100.00	42.1 PK	68.2	-26.1	1.66 H	183	25.4	16.7

Remarks:

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

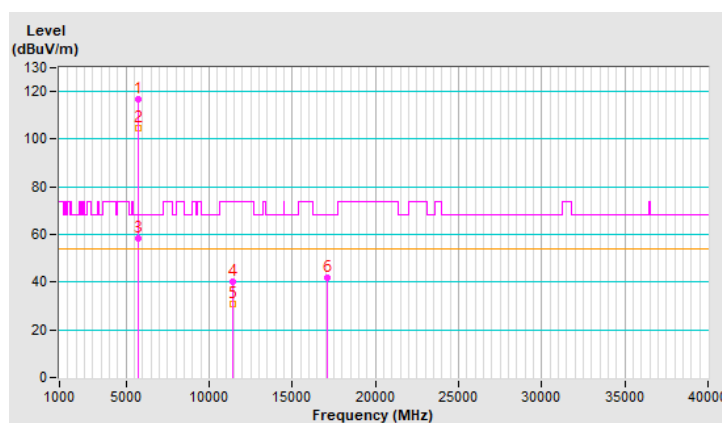


RF Mode	TX 802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.6 PK			1.83 V	135	115.5	1.1
2	*5700.00	104.7 AV			1.83 V	135	103.6	1.1
3	#5725.00	58.2 PK	68.2	-10.0	1.83 V	135	57.0	1.2
4	11400.00	40.3 PK	74.0	-33.7	3.57 V	212	28.6	11.7
5	11400.00	30.8 AV	54.0	-23.2	3.57 V	212	19.1	11.7
6	#17100.00	41.7 PK	68.2	-26.5	2.10 V	79	25.0	16.7

Remarks:

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

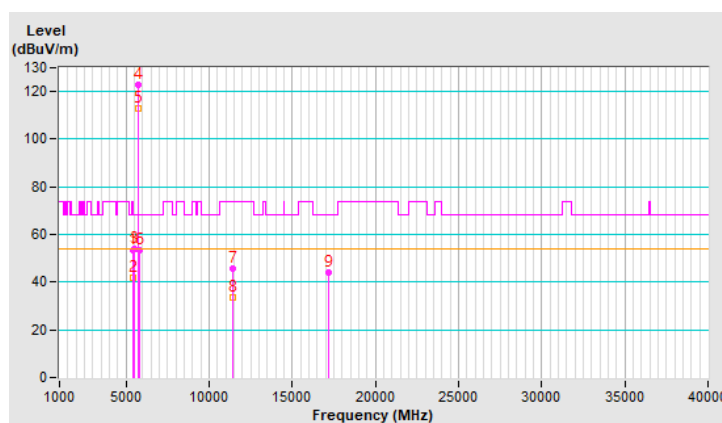


RF Mode	TX 802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	53.4 PK	74.0	-20.6	1.99 H	95	52.7	0.7
2	5460.00	42.0 AV	54.0	-12.0	1.99 H	95	41.3	0.7
3	#5470.00	53.9 PK	68.2	-14.3	1.99 H	95	53.2	0.7
4	*5720.00	122.9 PK			1.99 H	95	121.7	1.2
5	*5720.00	113.1 AV			1.99 H	95	111.9	1.2
6	#5850.00	53.4 PK	68.2	-14.8	1.99 H	95	52.2	1.2
7	11440.00	45.8 PK	74.0	-28.2	1.75 H	353	34.1	11.7
8	11440.00	33.7 AV	54.0	-20.3	1.75 H	353	22.0	11.7
9	#17160.00	44.1 PK	68.2	-24.1	1.63 H	194	27.9	16.2

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.

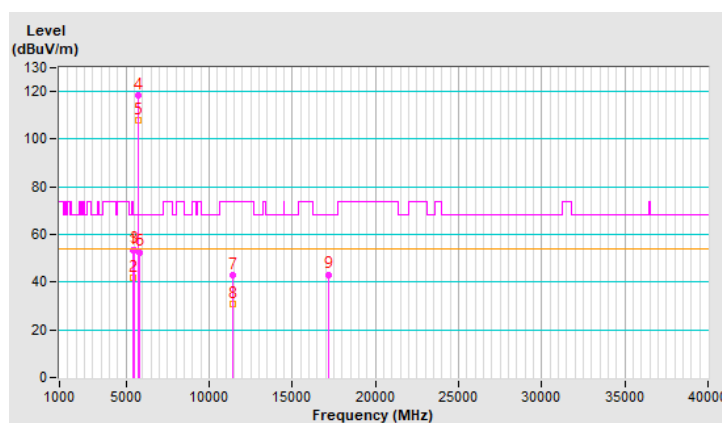


RF Mode	TX 802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.3 PK	74.0	-20.7	1.72 V	141	52.6	0.7
2	5460.00	41.7 AV	54.0	-12.3	1.72 V	141	41.0	0.7
3	#5470.00	53.7 PK	68.2	-14.5	1.72 V	141	53.0	0.7
4	*5720.00	118.2 PK			1.72 V	141	117.0	1.2
5	*5720.00	107.8 AV			1.72 V	141	106.6	1.2
6	#5850.00	52.6 PK	68.2	-15.6	1.72 V	141	51.4	1.2
7	11440.00	42.9 PK	74.0	-31.1	3.58 V	198	31.2	11.7
8	11440.00	30.8 AV	54.0	-23.2	3.58 V	198	19.1	11.7
9	#17160.00	43.2 PK	68.2	-25.0	2.14 V	131	27.0	16.2

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.

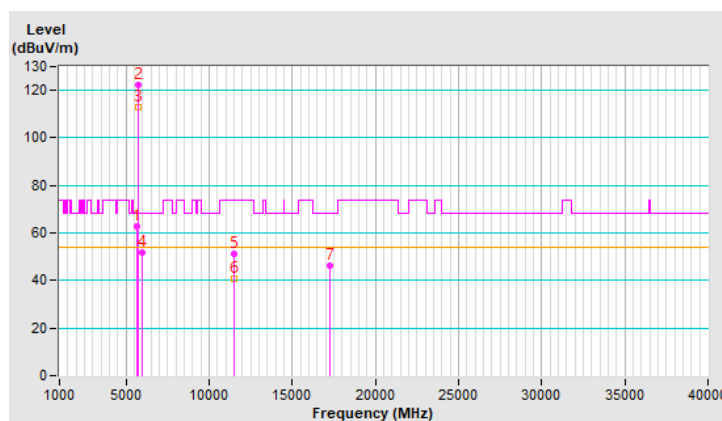


RF Mode	TX 802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.6 PK	68.2	-5.6	2.08 H	92	61.7	0.9
2	*5745.00	122.5 PK			2.08 H	92	121.2	1.3
3	*5745.00	113.1 AV			2.08 H	92	111.8	1.3
4	#5966.50	51.8 PK	68.2	-16.4	2.08 H	92	50.2	1.6
5	11490.00	51.1 PK	74.0	-22.9	2.05 H	320	39.4	11.7
6	11490.00	40.7 AV	54.0	-13.3	2.05 H	320	29.0	11.7
7	#17235.00	46.0 PK	68.2	-22.2	1.69 H	155	30.2	15.8

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.

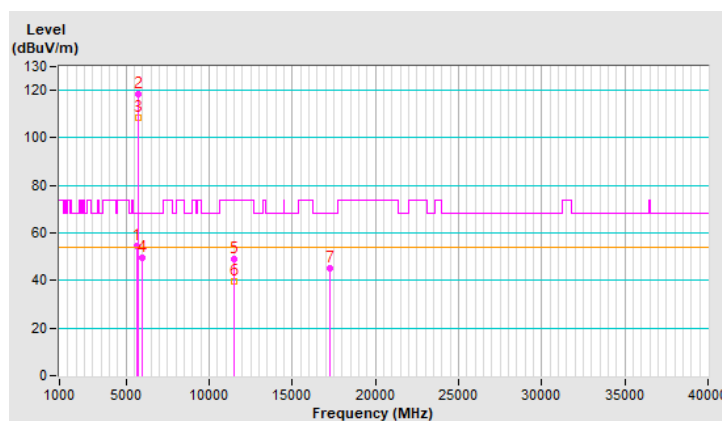


RF Mode	TX 802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.64	54.3 PK	68.2	-13.9	1.60 V	35	53.4	0.9
2	*5745.00	118.5 PK			1.60 V	35	117.2	1.3
3	*5745.00	108.3 AV			1.60 V	35	107.0	1.3
4	#5987.20	49.6 PK	68.2	-18.6	1.60 V	35	48.0	1.6
5	11490.00	49.0 PK	74.0	-25.0	3.80 V	199	37.3	11.7
6	11490.00	39.4 AV	54.0	-14.6	3.80 V	199	27.7	11.7
7	#17235.00	45.2 PK	68.2	-23.0	2.15 V	68	29.4	15.8

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.

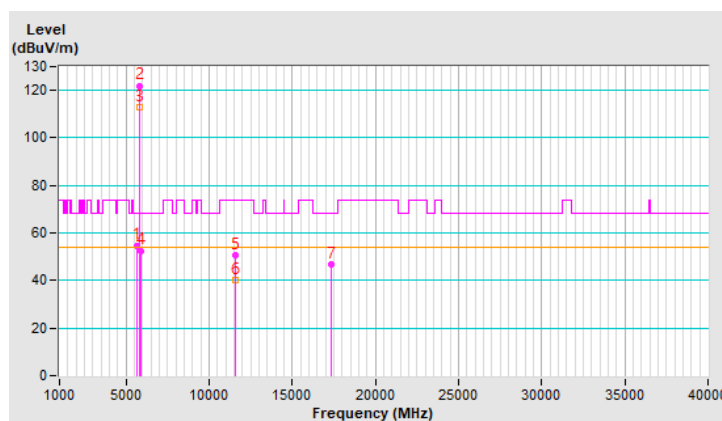


RF Mode	TX 802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.60	54.8 PK	68.2	-13.4	2.02 H	89	53.9	0.9
2	*5785.00	122.0 PK			2.02 H	89	120.8	1.2
3	*5785.00	112.8 AV			2.02 H	89	111.6	1.2
4	#5924.70	52.6 PK	68.2	-15.6	2.02 H	89	51.1	1.5
5	11570.00	50.6 PK	74.0	-23.4	2.00 H	305	39.1	11.5
6	11570.00	40.1 AV	54.0	-13.9	2.00 H	305	28.6	11.5
7	#17355.00	46.7 PK	68.2	-21.5	1.74 H	185	30.1	16.6

Remarks:

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

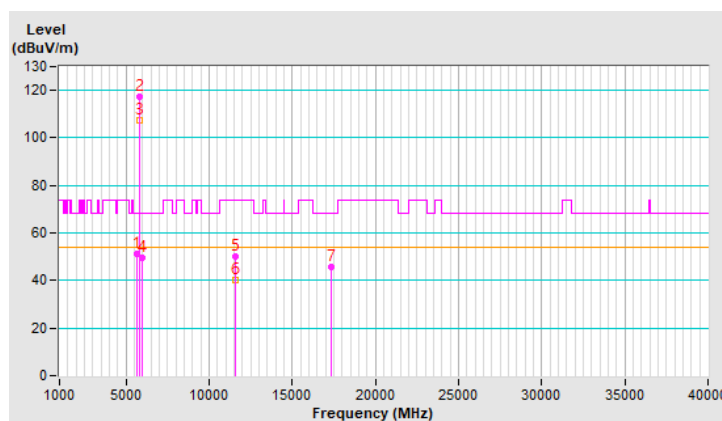


RF Mode	TX 802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5625.90	51.2 PK	68.2	-17.0	1.63 V	33	50.3	0.9
2	*5785.00	117.5 PK			1.63 V	33	116.3	1.2
3	*5785.00	107.3 AV			1.63 V	33	106.1	1.2
4	#5936.13	49.7 PK	68.2	-18.5	1.63 V	33	48.2	1.5
5	11570.00	50.0 PK	74.0	-24.0	3.75 V	218	38.5	11.5
6	11570.00	40.3 AV	54.0	-13.7	3.75 V	218	28.8	11.5
7	#17355.00	45.7 PK	68.2	-22.5	2.15 V	74	29.1	16.6

Remarks:

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

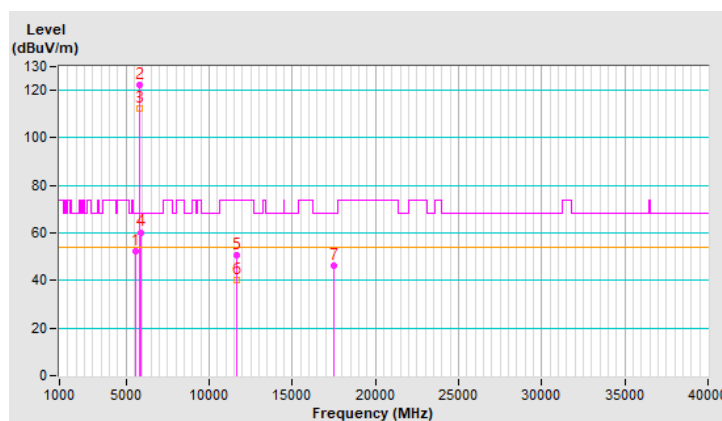


RF Mode	TX 802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.80	52.2 PK	68.2	-16.0	2.00 H	88	51.4	0.8
2	*5825.00	122.4 PK			2.00 H	88	121.2	1.2
3	*5825.00	112.6 AV			2.00 H	88	111.4	1.2
4	#5924.10	60.3 PK	68.2	-7.9	2.00 H	88	58.8	1.5
5	11650.00	50.6 PK	74.0	-23.4	2.01 H	311	39.4	11.2
6	11650.00	40.2 AV	54.0	-13.8	2.01 H	311	29.0	11.2
7	#17475.00	46.2 PK	68.2	-22.0	1.75 H	171	28.1	18.1

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.

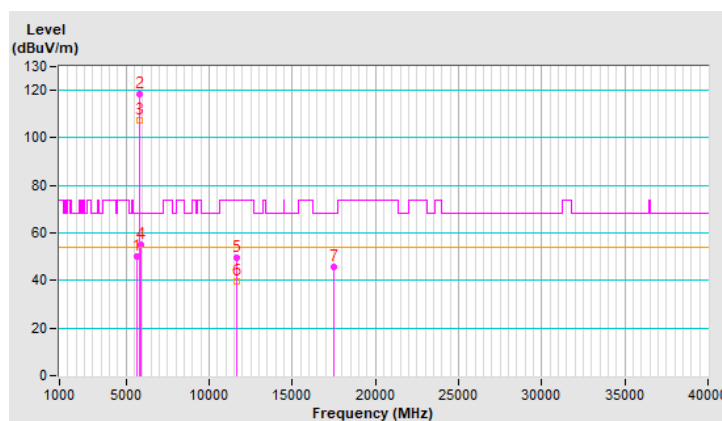


RF Mode	TX 802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.41	49.9 PK	68.2	-18.3	1.60 V	42	49.0	0.9
2	*5825.00	118.6 PK			1.60 V	42	117.4	1.2
3	*5825.00	107.6 AV			1.60 V	42	106.4	1.2
4	#5929.40	55.2 PK	68.2	-13.0	1.60 V	42	53.7	1.5
5	11650.00	49.4 PK	74.0	-24.6	3.75 V	211	38.2	11.2
6	11650.00	39.8 AV	54.0	-14.2	3.75 V	211	28.6	11.2
7	#17475.00	45.7 PK	68.2	-22.5	2.18 V	75	27.6	18.1

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.

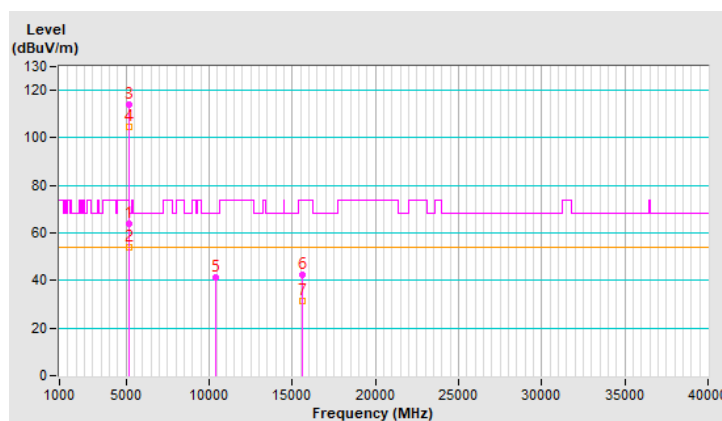


RF Mode	TX 802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.7 PK	74.0	-10.3	2.09 H	92	62.8	0.9
2	5150.00	53.8 AV	54.0	-0.2	2.09 H	92	52.9	0.9
3	*5190.00	113.8 PK			2.09 H	92	113.3	0.5
4	*5190.00	104.6 AV			2.09 H	92	104.1	0.5
5	#10380.00	41.2 PK	68.2	-27.0	1.92 H	352	30.7	10.5
6	15570.00	42.2 PK	74.0	-31.8	1.54 H	186	30.7	11.5
7	15570.00	31.4 AV	54.0	-22.6	1.54 H	186	19.9	11.5

Remarks:

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

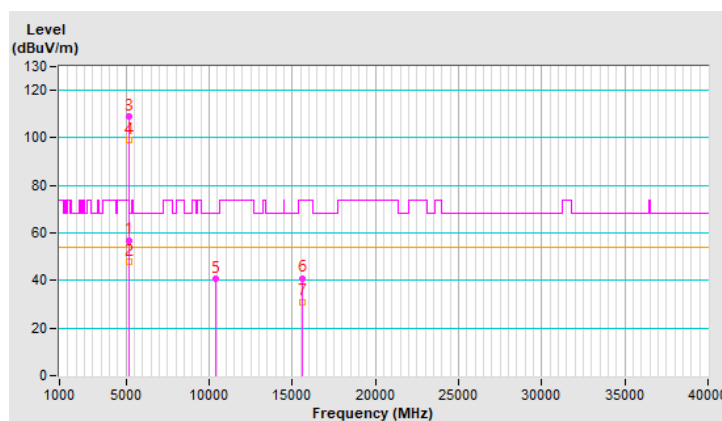


RF Mode	TX 802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.0 PK	74.0	-17.0	1.34 V	140	56.1	0.9
2	5150.00	48.0 AV	54.0	-6.0	1.34 V	140	47.1	0.9
3	*5190.00	109.1 PK			1.34 V	140	108.6	0.5
4	*5190.00	99.3 AV			1.34 V	140	98.8	0.5
5	#10380.00	40.6 PK	68.2	-27.6	3.68 V	249	30.1	10.5
6	15570.00	41.0 PK	74.0	-33.0	2.13 V	75	29.5	11.5
7	15570.00	31.1 AV	54.0	-22.9	2.13 V	75	19.6	11.5

Remarks:

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

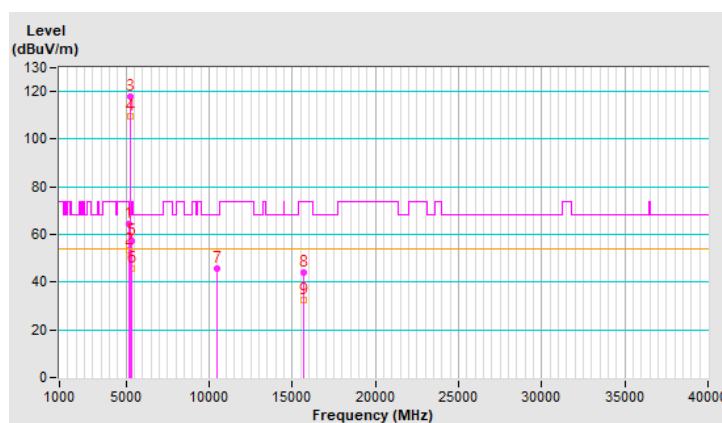


RF Mode	TX 802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	2.07 H	81	63.7	0.9
2	5150.00	53.5 AV	54.0	-0.5	2.07 H	81	52.6	0.9
3	*5230.00	118.1 PK			2.07 H	81	117.9	0.2
4	*5230.00	109.7 AV			2.07 H	81	109.5	0.2
5	5350.00	57.5 PK	74.0	-16.5	2.07 H	81	57.1	0.4
6	5350.00	45.8 AV	54.0	-8.2	2.07 H	81	45.4	0.4
7	#10460.00	45.6 PK	68.2	-22.6	1.77 H	346	35.1	10.5
8	15690.00	43.8 PK	74.0	-30.2	1.64 H	178	32.7	11.1
9	15690.00	32.4 AV	54.0	-21.6	1.64 H	178	21.3	11.1

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.

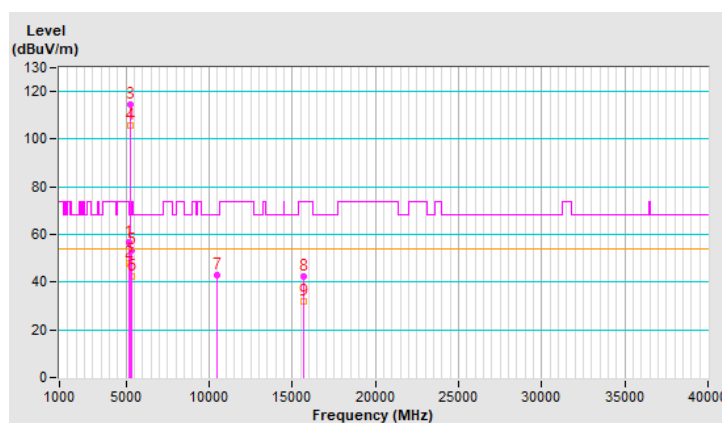


RF Mode	TX 802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.5 PK	74.0	-17.5	1.51 V	135	55.6	0.9
2	5150.00	47.7 AV	54.0	-6.3	1.51 V	135	46.8	0.9
3	*5230.00	114.4 PK			1.51 V	135	114.2	0.2
4	*5230.00	105.6 AV			1.51 V	135	105.4	0.2
5	5350.00	53.5 PK	74.0	-20.5	1.51 V	135	53.1	0.4
6	5350.00	42.2 AV	54.0	-11.8	1.51 V	135	41.8	0.4
7	#10460.00	42.8 PK	68.2	-25.4	3.71 V	245	32.3	10.5
8	15690.00	42.6 PK	74.0	-31.4	2.17 V	46	31.5	11.1
9	15690.00	32.1 AV	54.0	-21.9	2.17 V	46	21.0	11.1

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.

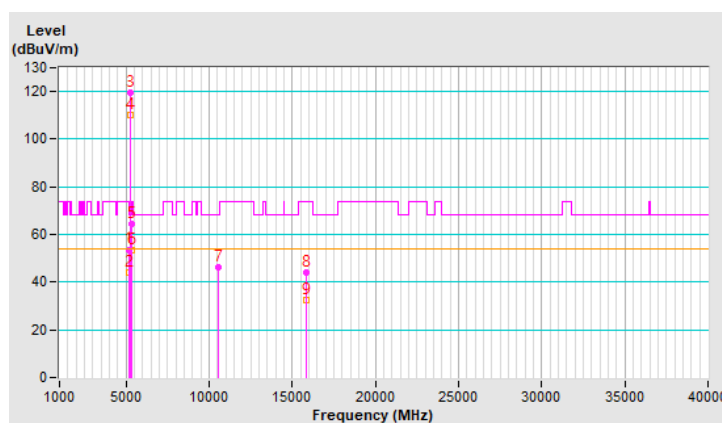


RF Mode	TX 802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.09 H	83	52.8	0.9
2	5150.00	44.0 AV	54.0	-10.0	2.09 H	83	43.1	0.9
3	*5270.00	119.5 PK			2.09 H	83	119.4	0.1
4	*5270.00	110.0 AV			2.09 H	83	109.9	0.1
5	5350.00	64.2 PK	74.0	-9.8	2.09 H	83	63.8	0.4
6	5350.00	53.6 AV	54.0	-0.4	2.09 H	83	53.2	0.4
7	#10540.00	46.5 PK	68.2	-21.7	1.79 H	344	36.3	10.2
8	15810.00	43.9 PK	74.0	-30.1	1.59 H	196	32.9	11.0
9	15810.00	32.6 AV	54.0	-21.4	1.59 H	196	21.6	11.0

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.

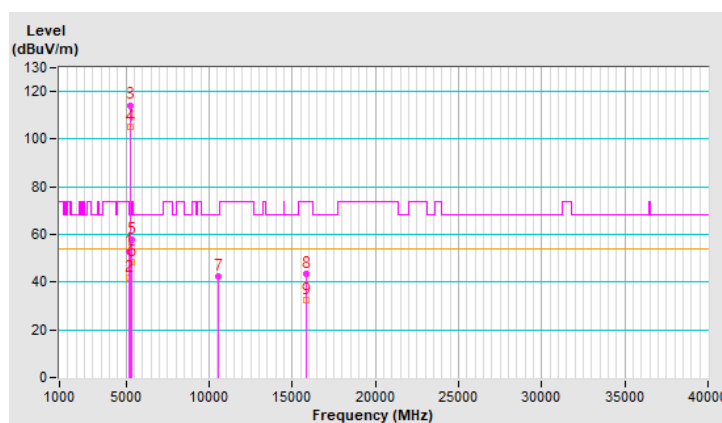


RF Mode	TX 802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.1 PK	74.0	-20.9	1.54 V	142	52.2	0.9
2	5150.00	41.7 AV	54.0	-12.3	1.54 V	142	40.8	0.9
3	*5270.00	114.3 PK			1.54 V	142	114.2	0.1
4	*5270.00	105.4 AV			1.54 V	142	105.3	0.1
5	5350.00	57.6 PK	74.0	-16.4	1.54 V	142	57.2	0.4
6	5350.00	48.3 AV	54.0	-5.7	1.54 V	142	47.9	0.4
7	#10540.00	42.5 PK	68.2	-25.7	3.62 V	230	32.3	10.2
8	15810.00	43.3 PK	74.0	-30.7	2.22 V	66	32.3	11.0
9	15810.00	32.6 AV	54.0	-21.4	2.22 V	66	21.6	11.0

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.

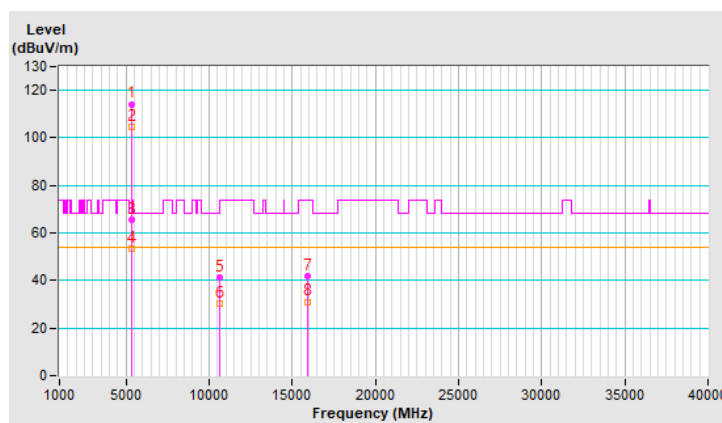


RF Mode	TX 802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.3 PK			2.07 H	94	114.1	0.2
2	*5310.00	104.7 AV			2.07 H	94	104.5	0.2
3	5350.00	65.5 PK	74.0	-8.5	2.07 H	94	65.1	0.4
4	5350.00	53.6 AV	54.0	-0.4	2.07 H	94	53.2	0.4
5	10620.00	41.4 PK	74.0	-32.6	1.88 H	360	31.5	9.9
6	10620.00	30.4 AV	54.0	-23.6	1.88 H	360	20.5	9.9
7	15930.00	41.9 PK	74.0	-32.1	1.56 H	195	30.3	11.6
8	15930.00	31.1 AV	54.0	-22.9	1.56 H	195	19.5	11.6

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.

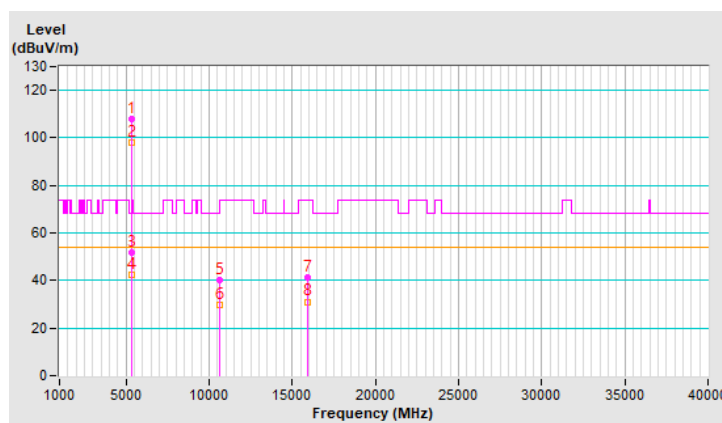


RF Mode	TX 802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	107.8 PK			1.82 V	143	107.6	0.2
2	*5310.00	97.8 AV			1.82 V	143	97.6	0.2
3	5350.00	51.7 PK	74.0	-22.3	1.82 V	143	51.3	0.4
4	5350.00	42.6 AV	54.0	-11.4	1.82 V	143	42.2	0.4
5	10620.00	40.3 PK	74.0	-33.7	3.70 V	246	30.4	9.9
6	10620.00	29.6 AV	54.0	-24.4	3.70 V	246	19.7	9.9
7	15930.00	41.2 PK	74.0	-32.8	2.14 V	66	29.6	11.6
8	15930.00	31.1 AV	54.0	-22.9	2.14 V	66	19.5	11.6

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.

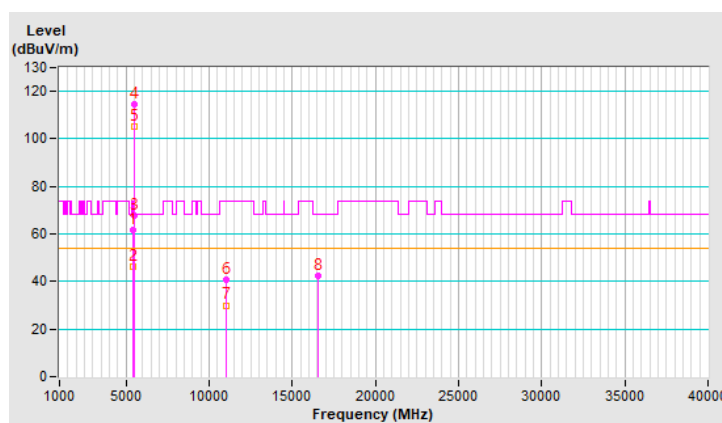


RF Mode	TX 802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5458.30	61.9 PK	74.0	-12.1	2.08 H	88	61.2	0.7
2	5458.30	46.1 AV	54.0	-7.9	2.08 H	88	45.4	0.7
3	#5470.00	67.7 PK	68.2	-0.5	2.08 H	88	67.0	0.7
4	*5510.00	114.6 PK			2.08 H	88	113.9	0.7
5	*5510.00	105.0 AV			2.08 H	88	104.3	0.7
6	11020.00	40.7 PK	74.0	-33.3	1.94 H	360	29.6	11.1
7	11020.00	30.0 AV	54.0	-24.0	1.94 H	360	18.9	11.1
8	#16530.00	42.6 PK	68.2	-25.6	1.55 H	191	28.3	14.3

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.

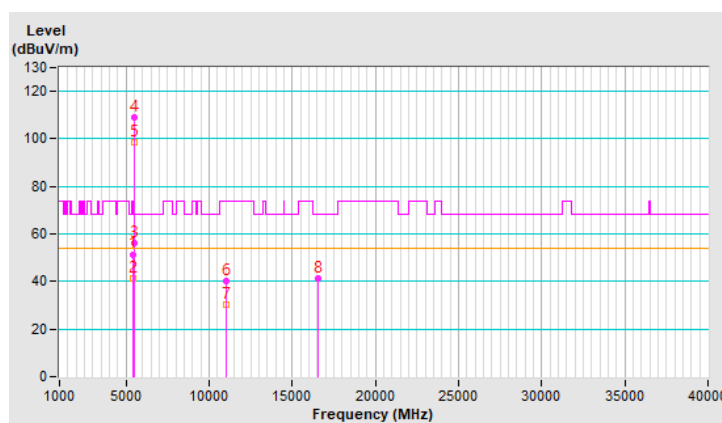


RF Mode	TX 802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	51.5 PK	74.0	-22.5	1.86 V	38	50.8	0.7
2	5460.00	41.1 AV	54.0	-12.9	1.86 V	38	40.4	0.7
3	#5464.24	56.2 PK	68.2	-12.0	1.86 V	38	55.5	0.7
4	*5510.00	108.8 PK			1.86 V	38	108.1	0.7
5	*5510.00	98.4 AV			1.86 V	38	97.7	0.7
6	11020.00	40.4 PK	74.0	-33.6	3.75 V	233	29.3	11.1
7	11020.00	30.1 AV	54.0	-23.9	3.75 V	233	19.0	11.1
8	#16530.00	41.5 PK	68.2	-26.7	2.11 V	63	27.2	14.3

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.

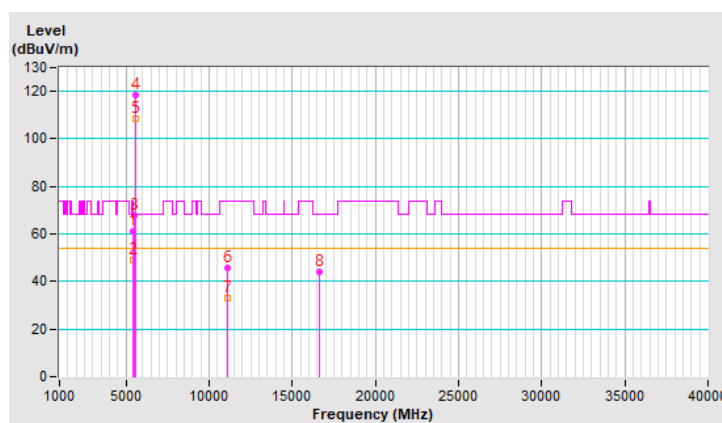


RF Mode	TX 802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.1 PK	74.0	-12.9	1.98 H	72	60.4	0.7
2	5460.00	49.1 AV	54.0	-4.9	1.98 H	72	48.4	0.7
3	#5470.00	67.8 PK	68.2	-0.4	1.98 H	72	67.1	0.7
4	*5550.00	118.6 PK			1.98 H	72	117.9	0.7
5	*5550.00	108.7 AV			1.98 H	72	108.0	0.7
6	11100.00	45.5 PK	74.0	-28.5	1.82 H	348	34.7	10.8
7	11100.00	32.9 AV	54.0	-21.1	1.82 H	348	22.1	10.8
8	#16650.00	43.9 PK	68.2	-24.3	1.56 H	190	29.2	14.7

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.

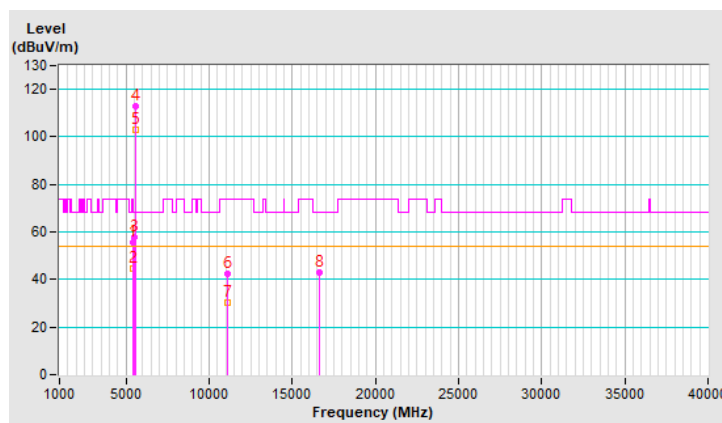


RF Mode	TX 802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.5 PK	74.0	-18.5	1.87 V	140	54.8	0.7
2	5460.00	44.6 AV	54.0	-9.4	1.87 V	140	43.9	0.7
3	#5470.00	57.6 PK	68.2	-10.6	1.87 V	140	56.9	0.7
4	*5550.00	112.7 PK			1.87 V	140	112.0	0.7
5	*5550.00	103.1 AV			1.87 V	140	102.4	0.7
6	11100.00	42.3 PK	74.0	-31.7	3.69 V	257	31.5	10.8
7	11100.00	30.5 AV	54.0	-23.5	3.69 V	257	19.7	10.8
8	#16650.00	43.1 PK	68.2	-25.1	2.14 V	76	28.4	14.7

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.

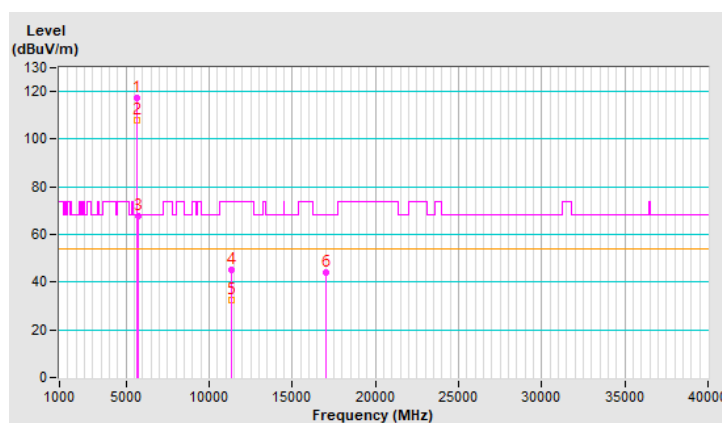


RF Mode	TX 802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	117.2 PK			2.02 H	87	116.3	0.9
2	*5670.00	108.1 AV			2.02 H	87	107.2	0.9
3	#5725.00	67.9 PK	68.2	-0.3	2.02 H	87	66.7	1.2
4	11340.00	45.3 PK	74.0	-28.7	1.77 H	332	33.9	11.4
5	11340.00	32.5 AV	54.0	-21.5	1.77 H	332	21.1	11.4
6	#17010.00	43.8 PK	68.2	-24.4	1.58 H	181	27.5	16.3

Remarks:

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

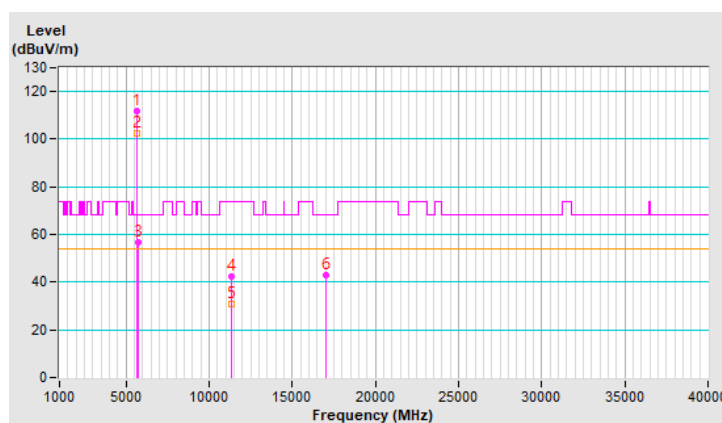


RF Mode	TX 802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.9 PK			1.86 V	147	111.0	0.9
2	*5670.00	102.6 AV			1.86 V	147	101.7	0.9
3	#5725.00	56.9 PK	68.2	-11.3	1.86 V	147	55.7	1.2
4	11340.00	42.5 PK	74.0	-31.5	3.70 V	241	31.1	11.4
5	11340.00	30.7 AV	54.0	-23.3	3.70 V	241	19.3	11.4
6	#17010.00	42.8 PK	68.2	-25.4	2.19 V	67	26.5	16.3

Remarks:

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

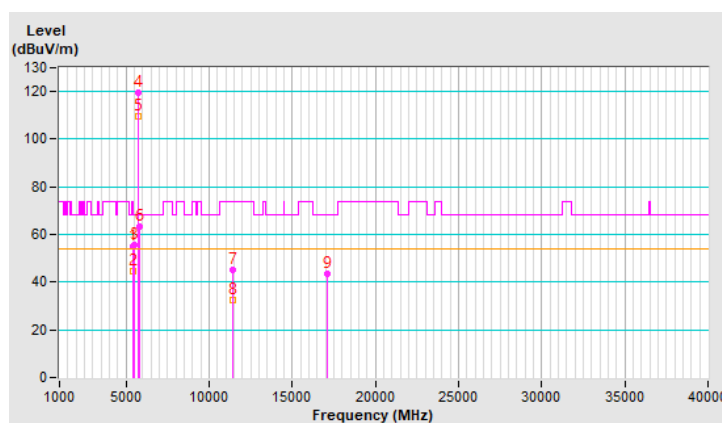


RF Mode	TX 802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.07 H	84	54.6	0.7
2	5460.00	44.5 AV	54.0	-9.5	2.07 H	84	43.8	0.7
3	#5470.00	55.6 PK	68.2	-12.6	2.07 H	84	54.9	0.7
4	*5710.00	119.4 PK			2.07 H	84	118.3	1.1
5	*5710.00	109.5 AV			2.07 H	84	108.4	1.1
6	#5850.00	63.2 PK	68.2	-5.0	2.07 H	84	62.0	1.2
7	11420.00	44.9 PK	74.0	-29.1	1.76 H	343	33.2	11.7
8	11420.00	32.3 AV	54.0	-21.7	1.76 H	343	20.6	11.7
9	#17130.00	43.5 PK	68.2	-24.7	1.56 H	187	27.1	16.4

Remarks:

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

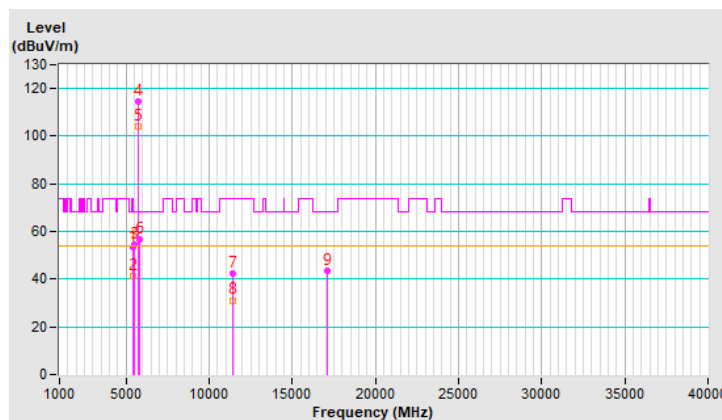


RF Mode	TX 802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.3 PK	74.0	-20.7	1.82 V	132	52.6	0.7
2	5460.00	41.4 AV	54.0	-12.6	1.82 V	132	40.7	0.7
3	#5470.00	54.6 PK	68.2	-13.6	1.82 V	132	53.9	0.7
4	*5710.00	114.5 PK			1.82 V	132	113.4	1.1
5	*5710.00	104.2 AV			1.82 V	132	103.1	1.1
6	#5850.00	56.9 PK	68.2	-11.3	1.82 V	132	55.7	1.2
7	11420.00	42.6 PK	74.0	-31.4	3.69 V	253	30.9	11.7
8	11420.00	31.1 AV	54.0	-22.9	3.69 V	253	19.4	11.7
9	#17130.00	43.3 PK	68.2	-24.9	2.21 V	71	26.9	16.4

Remarks:

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

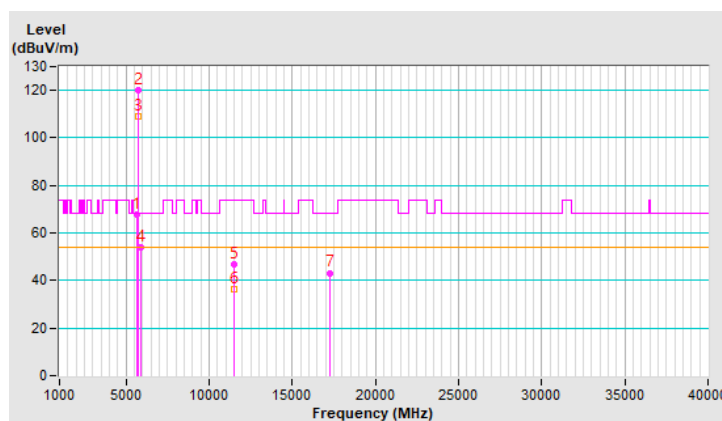


RF Mode	TX 802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.80	67.9 PK	68.2	-0.3	2.03 H	91	67.0	0.9
2	*5755.00	119.9 PK			2.03 H	91	118.7	1.2
3	*5755.00	109.3 AV			2.03 H	91	108.1	1.2
4	#5928.00	54.2 PK	68.2	-14.0	2.03 H	91	52.7	1.5
5	11510.00	46.8 PK	74.0	-27.2	2.06 H	290	35.0	11.8
6	11510.00	36.3 AV	54.0	-17.7	2.06 H	290	24.5	11.8
7	#17265.00	43.2 PK	68.2	-25.0	1.70 H	176	27.4	15.8

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.

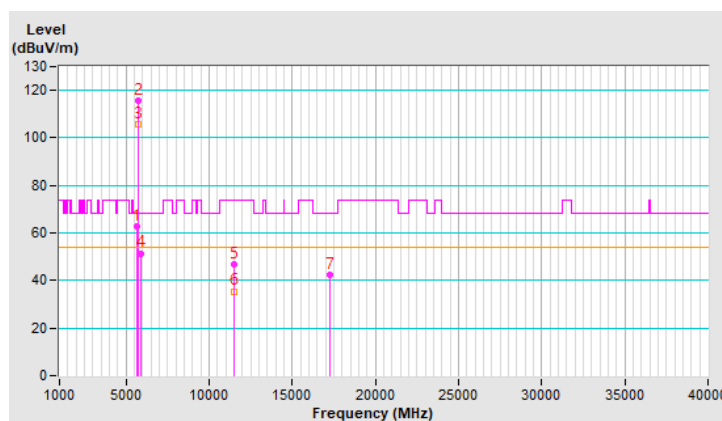


RF Mode	TX 802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.10	62.9 PK	68.2	-5.3	1.01 V	42	62.0	0.9
2	*5755.00	115.6 PK			1.01 V	42	114.4	1.2
3	*5755.00	105.5 AV			1.01 V	42	104.3	1.2
4	#5931.30	51.5 PK	68.2	-16.7	1.01 V	42	50.0	1.5
5	11510.00	46.6 PK	74.0	-27.4	3.76 V	222	34.8	11.8
6	11510.00	35.5 AV	54.0	-18.5	3.76 V	222	23.7	11.8
7	#17265.00	42.6 PK	68.2	-25.6	2.13 V	85	26.8	15.8

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.

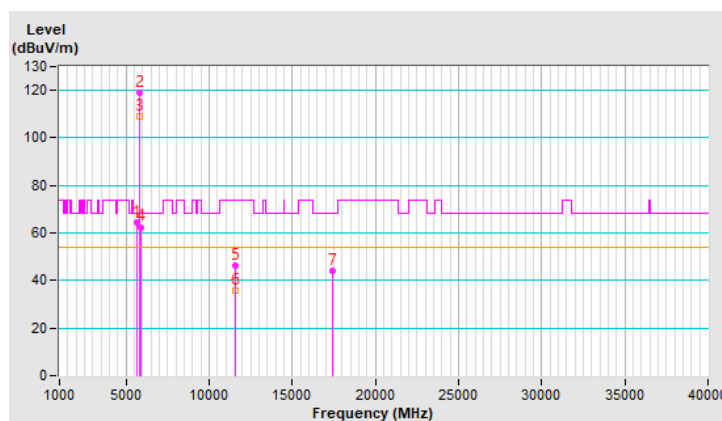


RF Mode	TX 802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.4 PK	68.2	-3.8	2.02 H	81	63.5	0.9
2	*5795.00	119.2 PK			2.02 H	81	118.0	1.2
3	*5795.00	108.9 AV			2.02 H	81	107.7	1.2
4	#5925.90	62.5 PK	68.2	-5.7	2.02 H	81	61.0	1.5
5	11590.00	46.4 PK	74.0	-27.6	2.05 H	279	35.0	11.4
6	11590.00	36.0 AV	54.0	-18.0	2.05 H	279	24.6	11.4
7	#17385.00	43.8 PK	68.2	-24.4	1.64 H	165	26.8	17.0

Remarks:

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

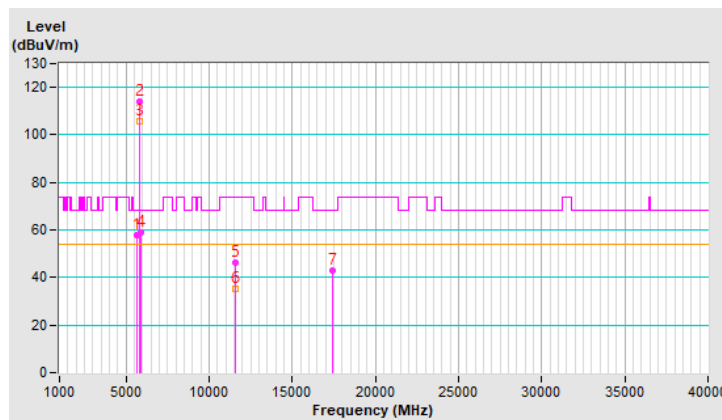


RF Mode	TX 802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.38	57.6 PK	68.2	-10.6	1.87 V	35	56.7	0.9
2	*5795.00	114.2 PK			1.87 V	35	113.0	1.2
3	*5795.00	105.5 AV			1.87 V	35	104.3	1.2
4	#5930.95	58.9 PK	68.2	-9.3	1.87 V	35	57.4	1.5
5	11590.00	46.2 PK	74.0	-27.8	3.72 V	232	34.8	11.4
6	11590.00	35.1 AV	54.0	-18.9	3.72 V	232	23.7	11.4
7	#17385.00	43.1 PK	68.2	-25.1	2.14 V	96	26.1	17.0

Remarks:

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

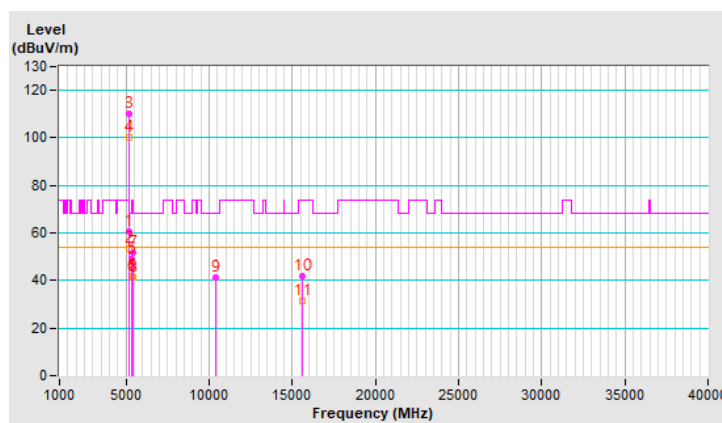


RF Mode	TX 802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	2.03 H	84	59.5	0.9
2	5150.00	53.6 AV	54.0	-0.4	2.03 H	84	52.7	0.9
3	*5210.00	110.2 PK			2.03 H	84	109.9	0.3
4	*5210.00	100.0 AV			2.03 H	84	99.7	0.3
5	5350.00	49.0 PK	74.0	-25.0	2.03 H	84	48.6	0.4
6	5350.00	42.0 AV	54.0	-12.0	2.03 H	84	41.6	0.4
7	5445.50	51.6 PK	74.0	-22.4	2.03 H	84	50.9	0.7
8	5445.50	41.1 AV	54.0	-12.9	2.03 H	84	40.4	0.7
9	#10420.00	41.1 PK	68.2	-27.1	1.86 H	339	30.6	10.5
10	15630.00	42.0 PK	74.0	-32.0	1.55 H	175	30.6	11.4
11	15630.00	31.2 AV	54.0	-22.8	1.55 H	175	19.8	11.4

Remarks:

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

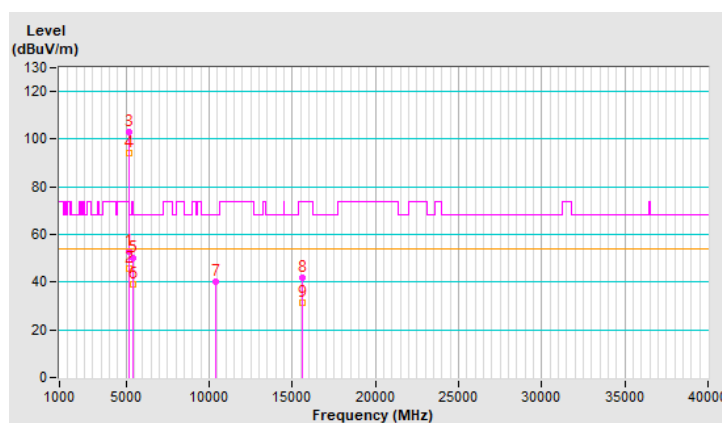


RF Mode	TX 802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.0 PK	74.0	-21.0	1.14 V	138	52.1	0.9
2	5150.00	45.7 AV	54.0	-8.3	1.14 V	138	44.8	0.9
3	*5210.00	103.2 PK			1.14 V	138	102.9	0.3
4	*5210.00	94.1 AV			1.14 V	138	93.8	0.3
5	5426.50	50.0 PK	74.0	-24.0	1.14 V	138	49.4	0.6
6	5426.50	38.9 AV	54.0	-15.1	1.14 V	138	38.3	0.6
7	#10420.00	40.1 PK	68.2	-28.1	3.69 V	236	29.6	10.5
8	15630.00	41.7 PK	74.0	-32.3	2.07 V	87	30.3	11.4
9	15630.00	31.5 AV	54.0	-22.5	2.07 V	87	20.1	11.4

Remarks:

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

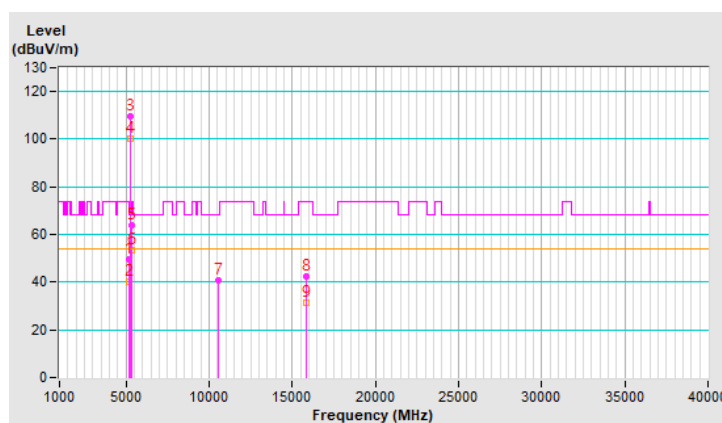


RF Mode	TX 802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	49.4 PK	74.0	-24.6	2.00 H	74	48.5	0.9
2	5150.00	40.2 AV	54.0	-13.8	2.00 H	74	39.3	0.9
3	*5290.00	109.8 PK			2.00 H	74	109.7	0.1
4	*5290.00	100.4 AV			2.00 H	74	100.3	0.1
5	5350.00	63.9 PK	74.0	-10.1	2.00 H	74	63.5	0.4
6	5350.00	53.5 AV	54.0	-0.5	2.00 H	74	53.1	0.4
7	#10580.00	40.8 PK	68.2	-27.4	1.91 H	359	30.9	9.9
8	15870.00	42.2 PK	74.0	-31.8	1.54 H	201	30.9	11.3
9	15870.00	31.4 AV	54.0	-22.6	1.54 H	201	20.1	11.3

Remarks:

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

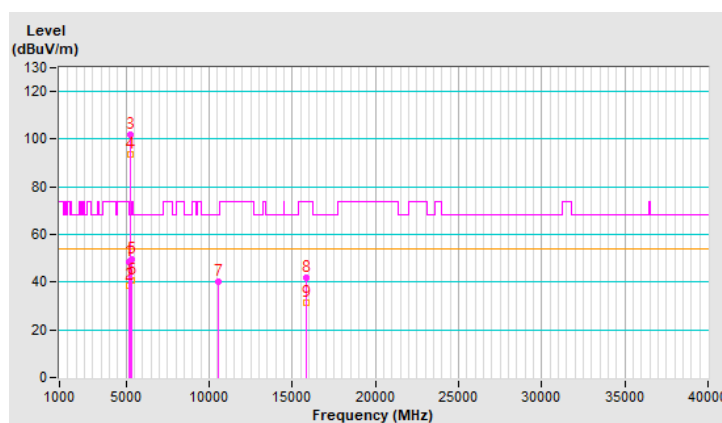


RF Mode	TX 802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	48.6 PK	74.0	-25.4	1.52 V	149	47.7	0.9
2	5150.00	38.7 AV	54.0	-15.3	1.52 V	149	37.8	0.9
3	*5290.00	101.7 PK			1.52 V	149	101.6	0.1
4	*5290.00	93.4 AV			1.52 V	149	93.3	0.1
5	5350.00	49.8 PK	74.0	-24.2	1.52 V	149	49.4	0.4
6	5350.00	40.9 AV	54.0	-13.1	1.52 V	149	40.5	0.4
7	#10580.00	40.1 PK	68.2	-28.1	3.63 V	235	30.2	9.9
8	15870.00	41.6 PK	74.0	-32.4	2.09 V	83	30.3	11.3
9	15870.00	31.4 AV	54.0	-22.6	2.09 V	83	20.1	11.3

Remarks:

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

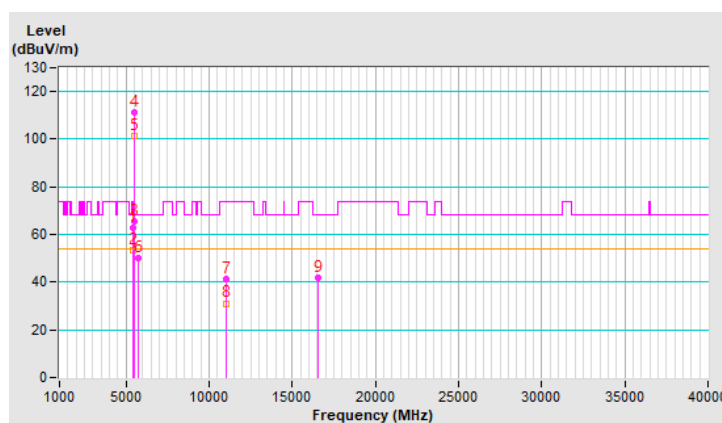


RF Mode	TX 802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	2.02 H	81	62.2	0.7
2	5460.00	53.5 AV	54.0	-0.5	2.02 H	81	52.8	0.7
3	#5468.60	65.7 PK	68.2	-2.5	2.02 H	81	65.0	0.7
4	*5530.00	111.5 PK			2.02 H	81	110.8	0.7
5	*5530.00	101.1 AV			2.02 H	81	100.4	0.7
6	#5753.70	49.9 PK	68.2	-18.3	2.02 H	81	48.7	1.2
7	11060.00	41.4 PK	74.0	-32.6	1.88 H	360	30.4	11.0
8	11060.00	31.1 AV	54.0	-22.9	1.88 H	360	20.1	11.0
9	#16590.00	41.8 PK	68.2	-26.4	1.52 H	200	27.3	14.5

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.

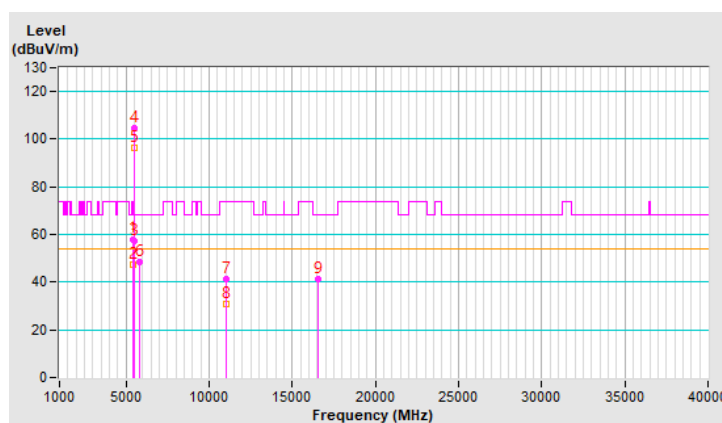


RF Mode	TX 802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	58.1 PK	74.0	-15.9	1.04 V	44	57.4	0.7
2	5460.00	47.5 AV	54.0	-6.5	1.04 V	44	46.8	0.7
3	#5465.40	57.4 PK	68.2	-10.8	1.04 V	44	56.7	0.7
4	*5530.00	104.8 PK			1.04 V	44	104.1	0.7
5	*5530.00	96.3 AV			1.04 V	44	95.6	0.7
6	#5849.95	48.6 PK	68.2	-19.6	1.04 V	44	47.5	1.1
7	11060.00	41.3 PK	74.0	-32.7	3.70 V	254	30.3	11.0
8	11060.00	30.9 AV	54.0	-23.1	3.70 V	254	19.9	11.0
9	#16590.00	41.2 PK	68.2	-27.0	2.14 V	64	26.7	14.5

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.

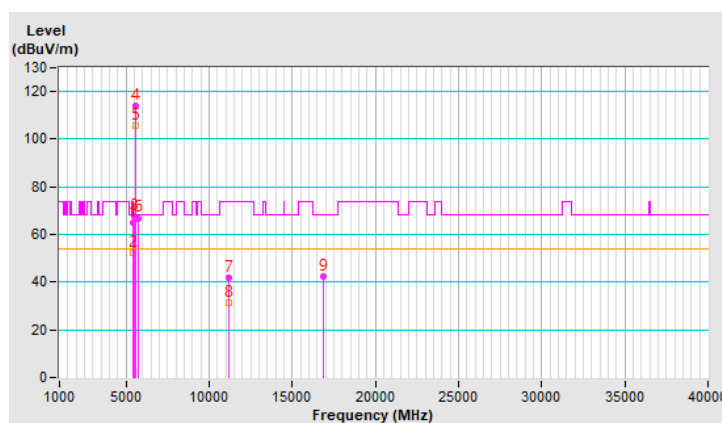


RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.0 PK	74.0	-9.0	1.98 H	88	64.3	0.7
2	5460.00	52.5 AV	54.0	-1.5	1.98 H	88	51.8	0.7
3	#5470.00	67.7 PK	68.2	-0.5	1.98 H	88	67.0	0.7
4	*5610.00	114.2 PK			1.98 H	88	113.4	0.8
5	*5610.00	105.7 AV			1.98 H	88	104.9	0.8
6	#5725.00	66.9 PK	68.2	-1.3	1.98 H	88	65.7	1.2
7	11220.00	41.8 PK	74.0	-32.2	1.88 H	360	31.0	10.8
8	11220.00	31.2 AV	54.0	-22.8	1.88 H	360	20.4	10.8
9	#16830.00	42.4 PK	68.2	-25.8	1.49 H	194	27.4	15.0

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.

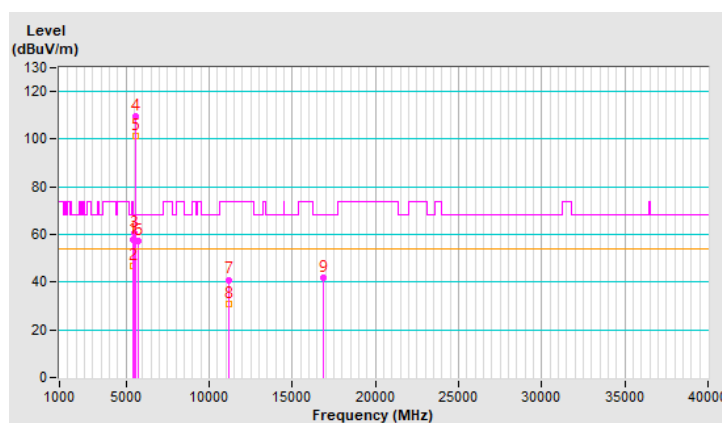


RF Mode	TX 802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.7 PK	74.0	-16.3	1.47 V	137	57.0	0.7
2	5460.00	46.8 AV	54.0	-7.2	1.47 V	137	46.1	0.7
3	#5470.00	60.4 PK	68.2	-7.8	1.47 V	137	59.7	0.7
4	*5610.00	109.5 PK			1.47 V	137	108.7	0.8
5	*5610.00	101.1 AV			1.47 V	137	100.3	0.8
6	#5725.00	57.5 PK	68.2	-10.7	1.47 V	137	56.3	1.2
7	11220.00	41.0 PK	74.0	-33.0	3.64 V	254	30.2	10.8
8	11220.00	30.8 AV	54.0	-23.2	3.64 V	254	20.0	10.8
9	#16830.00	41.7 PK	68.2	-26.5	2.14 V	64	26.7	15.0

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.

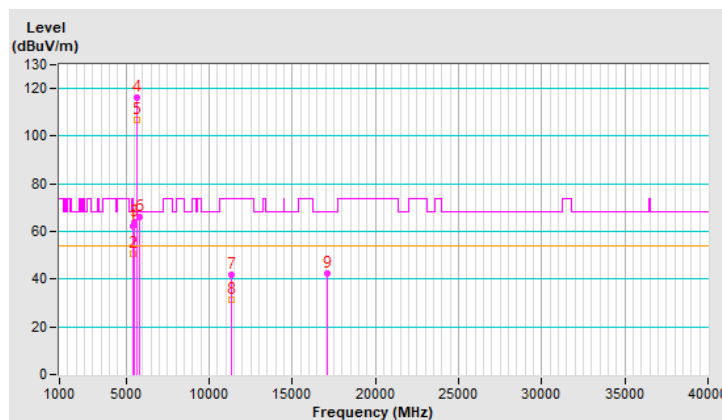


RF Mode	TX 802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.1 PK	74.0	-11.9	1.97 H	88	61.4	0.7
2	5460.00	50.7 AV	54.0	-3.3	1.97 H	88	50.0	0.7
3	#5470.00	64.1 PK	68.2	-4.1	1.97 H	88	63.4	0.7
4	*5690.00	116.2 PK			1.97 H	88	115.3	0.9
5	*5690.00	106.7 AV			1.97 H	88	105.8	0.9
6	#5850.00	65.9 PK	68.2	-2.3	1.97 H	88	64.7	1.2
7	11380.00	41.8 PK	74.0	-32.2	1.92 H	360	30.2	11.6
8	11380.00	31.5 AV	54.0	-22.5	1.92 H	360	19.9	11.6
9	#17070.00	42.4 PK	68.2	-25.8	1.56 H	187	25.8	16.6

Remarks:

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

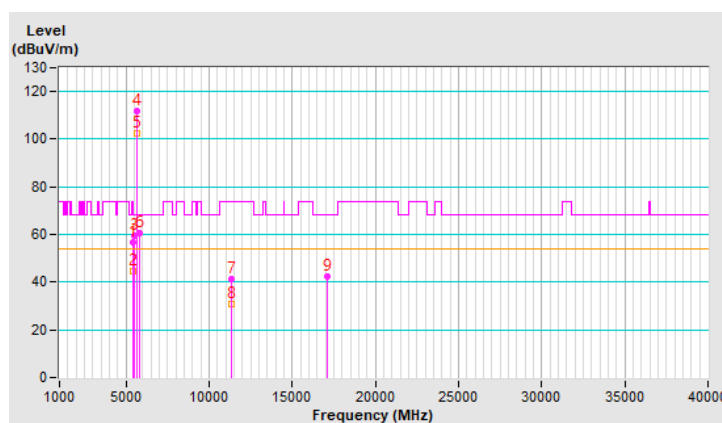


RF Mode	TX 802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.5 PK	74.0	-17.5	1.42 V	126	55.8	0.7
2	5460.00	44.4 AV	54.0	-9.6	1.42 V	126	43.7	0.7
3	#5470.00	59.4 PK	68.2	-8.8	1.42 V	126	58.7	0.7
4	*5690.00	111.8 PK			1.42 V	126	110.9	0.9
5	*5690.00	102.2 AV			1.42 V	126	101.3	0.9
6	#5850.00	60.6 PK	68.2	-7.6	1.42 V	126	59.4	1.2
7	11380.00	41.1 PK	74.0	-32.9	3.65 V	258	29.5	11.6
8	11380.00	30.7 AV	54.0	-23.3	3.65 V	258	19.1	11.6
9	#17070.00	42.3 PK	68.2	-25.9	2.14 V	50	25.7	16.6

Remarks:

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

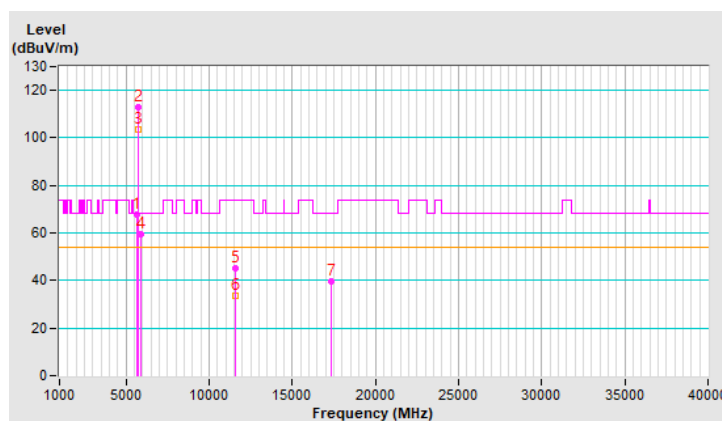


RF Mode	TX 802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.75	67.7 PK	68.2	-0.5	2.01 H	89	66.8	0.9
2	*5775.00	112.9 PK			2.01 H	89	111.7	1.2
3	*5775.00	103.5 AV			2.01 H	89	102.3	1.2
4	#5929.00	59.7 PK	68.2	-8.5	2.01 H	89	58.2	1.5
5	11550.00	45.4 PK	74.0	-28.6	2.12 H	293	33.9	11.5
6	11550.00	33.5 AV	54.0	-20.5	2.12 H	293	22.0	11.5
7	#17325.00	39.7 PK	68.2	-28.5	1.67 H	145	23.6	16.1

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.

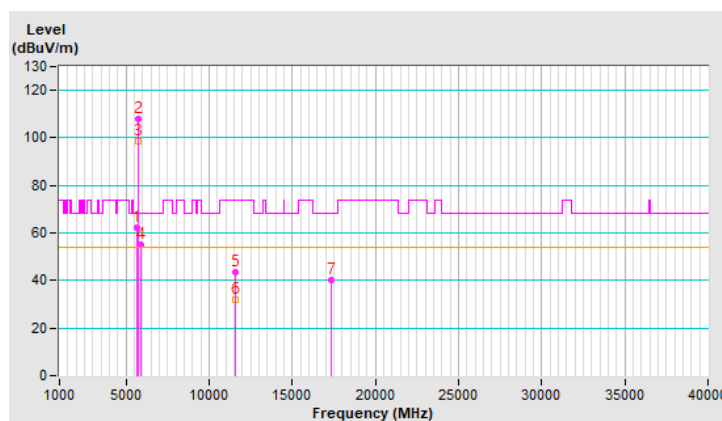


RF Mode	TX 802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.73	62.3 PK	68.2	-5.9	1.88 V	44	61.4	0.9
2	*5775.00	108.0 PK			1.88 V	44	106.8	1.2
3	*5775.00	98.7 AV			1.88 V	44	97.5	1.2
4	#5928.95	54.9 PK	68.2	-13.3	1.88 V	44	53.4	1.5
5	11550.00	43.4 PK	74.0	-30.6	3.75 V	237	31.9	11.5
6	11550.00	32.1 AV	54.0	-21.9	3.75 V	237	20.6	11.5
7	#17325.00	40.2 PK	68.2	-28.0	2.20 V	98	24.1	16.1

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.

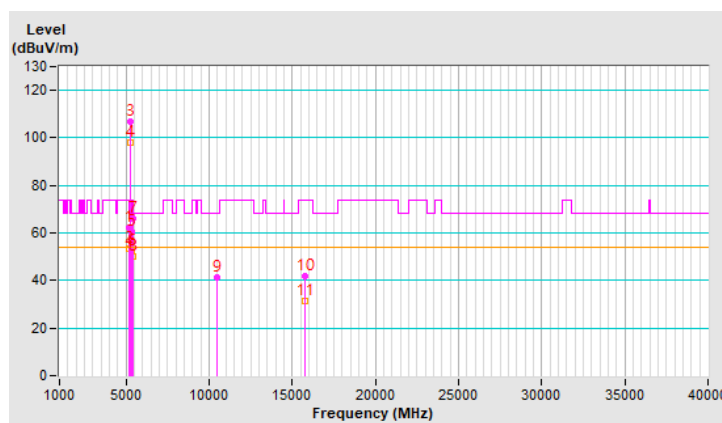


RF Mode	TX 802.11ax (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.30	62.3 PK	74.0	-11.7	2.05 H	83	61.4	0.9
2	5149.30	53.5 AV	54.0	-0.5	2.05 H	83	52.6	0.9
3	*5250.00	106.7 PK			2.05 H	83	106.6	0.1
4	*5250.00	98.0 AV			2.05 H	83	97.9	0.1
5	5363.80	60.8 PK	74.0	-13.2	2.05 H	83	60.3	0.5
6	5363.80	52.3 AV	54.0	-1.7	2.05 H	83	51.8	0.5
7	5382.60	66.2 PK	74.0	-7.8	2.05 H	83	65.7	0.5
8	5382.60	50.2 AV	54.0	-3.8	2.05 H	83	49.7	0.5
9	#10500.00	41.3 PK	68.2	-26.9	1.86 H	341	30.9	10.4
10	15750.00	41.8 PK	74.0	-32.2	1.51 H	186	30.8	11.0
11	15750.00	31.3 AV	54.0	-22.7	1.51 H	186	20.3	11.0

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.

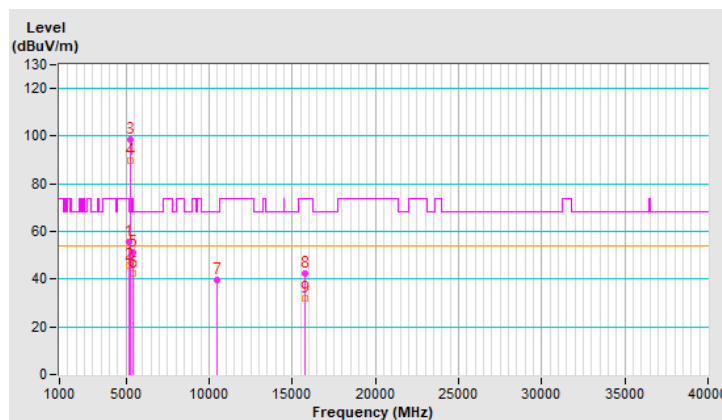


RF Mode	TX 802.11ax (HE160)	Channel	CH 50 : 5250 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.5 PK	74.0	-18.5	1.97 V	32	54.6	0.9
2	5150.00	45.6 AV	54.0	-8.4	1.97 V	32	44.7	0.9
3	*5250.00	98.7 PK			1.97 V	32	98.6	0.1
4	*5250.00	89.6 AV			1.97 V	32	89.5	0.1
5	5387.70	51.4 PK	74.0	-22.6	1.97 V	32	50.8	0.6
6	5387.70	42.5 AV	54.0	-11.5	1.97 V	32	41.9	0.6
7	#10500.00	39.8 PK	68.2	-28.4	3.64 V	226	29.4	10.4
8	15750.00	42.3 PK	74.0	-31.7	2.08 V	88	31.3	11.0
9	15750.00	32.0 AV	54.0	-22.0	2.08 V	88	21.0	11.0

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.

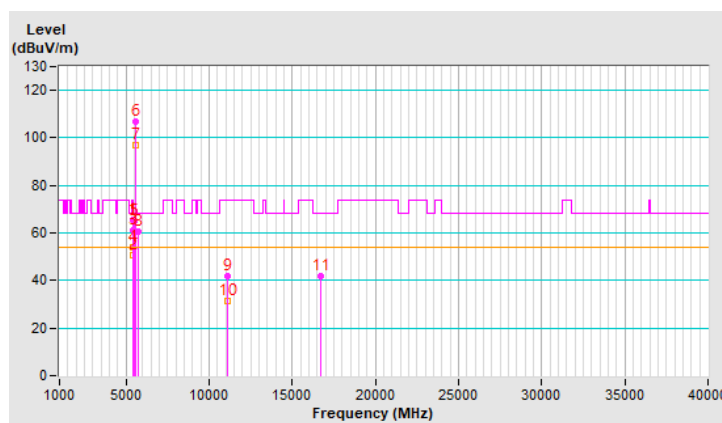


RF Mode	TX 802.11ax (HE160)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5453.30	65.5 PK	74.0	-8.5	2.05 H	88	64.8	0.7
2	5453.30	50.8 AV	54.0	-3.2	2.05 H	88	50.1	0.7
3	5459.20	60.9 PK	74.0	-13.1	2.05 H	88	60.2	0.7
4	5459.20	53.9 AV	54.0	-0.1	2.05 H	88	53.2	0.7
5	#5464.25	64.9 PK	68.2	-3.3	2.05 H	88	64.2	0.7
6	*5570.00	106.6 PK			2.05 H	88	105.9	0.7
7	*5570.00	97.0 AV			2.05 H	88	96.3	0.7
8	#5727.80	60.7 PK	68.2	-7.5	2.05 H	88	59.5	1.2
9	11140.00	41.9 PK	74.0	-32.1	1.93 H	360	31.1	10.8
10	11140.00	31.3 AV	54.0	-22.7	1.93 H	360	20.5	10.8
11	#16710.00	41.9 PK	68.2	-26.3	1.50 H	176	27.0	14.9

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.

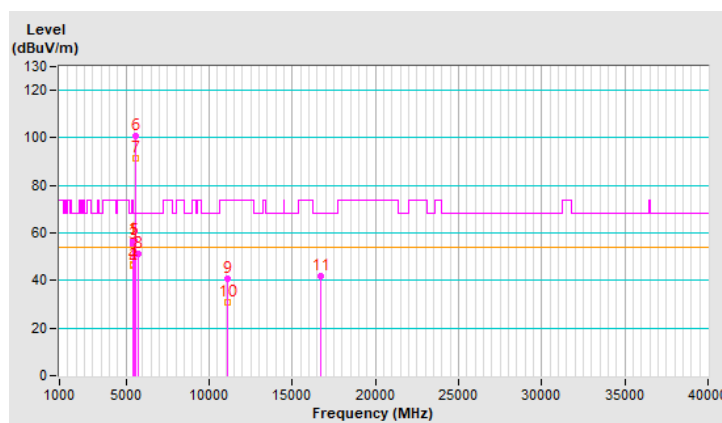


RF Mode	TX 802.11ax (HE160)	Channel	CH 114 : 5570 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5455.65	57.0 PK	74.0	-17.0	1.85 V	48	56.3	0.7
2	5455.65	46.0 AV	54.0	-8.0	1.85 V	48	45.3	0.7
3	5460.00	55.0 PK	74.0	-19.0	1.85 V	48	54.3	0.7
4	5460.00	46.9 AV	54.0	-7.1	1.85 V	48	46.2	0.7
5	#5464.90	56.5 PK	68.2	-11.7	1.85 V	48	55.8	0.7
6	*5570.00	100.9 PK			1.85 V	48	100.2	0.7
7	*5570.00	91.5 AV			1.85 V	48	90.8	0.7
8	#5737.20	51.0 PK	68.2	-17.2	1.85 V	48	49.7	1.3
9	11140.00	40.9 PK	74.0	-33.1	3.64 V	245	30.1	10.8
10	11140.00	30.6 AV	54.0	-23.4	3.64 V	245	19.8	10.8
11	#16710.00	41.8 PK	68.2	-26.4	2.18 V	59	26.9	14.9

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.

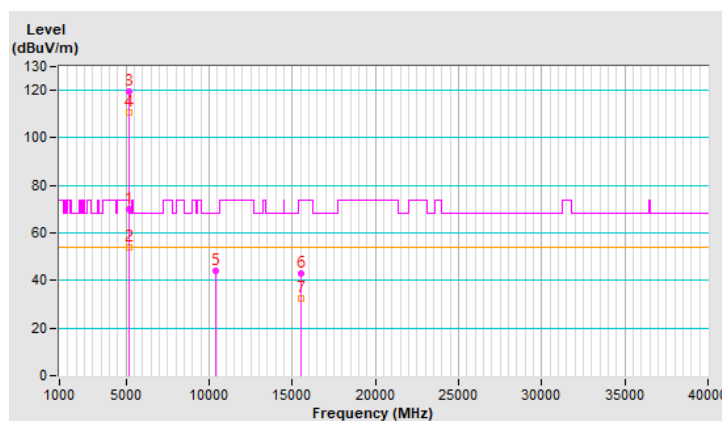


RF Mode	TX 802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	69.7 PK	74.0	-4.3	1.99 H	87	68.8	0.9
2	5150.00	53.9 AV	54.0	-0.1	1.99 H	87	53.0	0.9
3	*5180.00	119.7 PK			1.99 H	87	119.1	0.6
4	*5180.00	110.6 AV			1.99 H	87	110.0	0.6
5	#10360.00	43.8 PK	68.2	-24.4	1.91 H	332	33.4	10.4
6	15540.00	42.7 PK	74.0	-31.3	1.55 H	187	31.2	11.5
7	15540.00	32.7 AV	54.0	-21.3	1.55 H	187	21.2	11.5

Remarks:

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

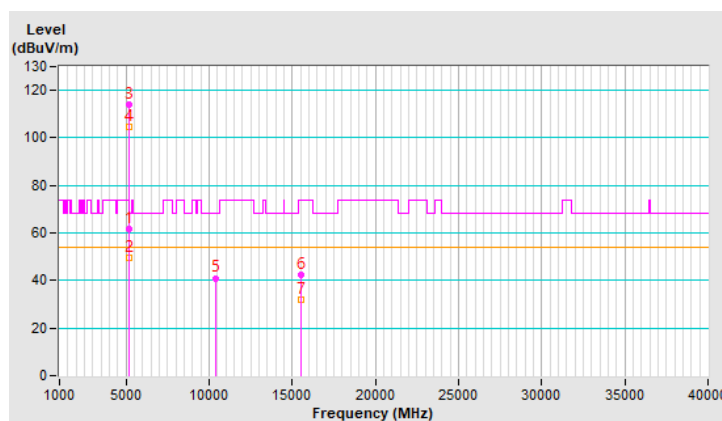


RF Mode	TX 802.11be (EHT20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	61.9 PK	74.0	-12.1	1.80 V	137	61.0	0.9
2	5150.00	49.6 AV	54.0	-4.4	1.80 V	137	48.7	0.9
3	*5180.00	114.1 PK			1.80 V	137	113.5	0.6
4	*5180.00	104.4 AV			1.80 V	137	103.8	0.6
5	#10360.00	41.0 PK	68.2	-27.2	3.66 V	223	30.6	10.4
6	15540.00	42.4 PK	74.0	-31.6	2.16 V	86	30.9	11.5
7	15540.00	32.0 AV	54.0	-22.0	2.16 V	86	20.5	11.5

Remarks:

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

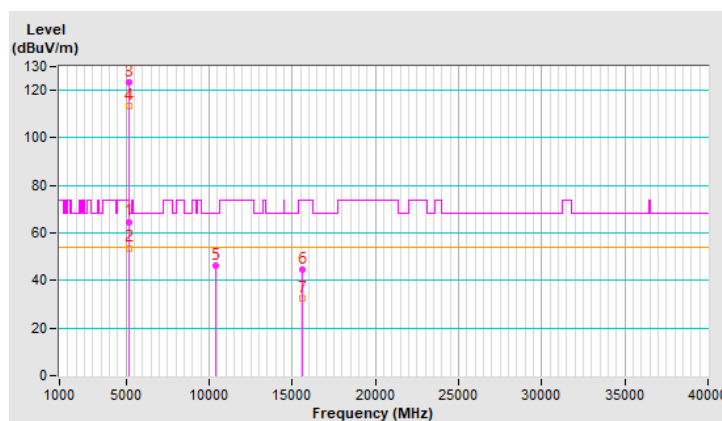


RF Mode	TX 802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	2.02 H	80	63.8	0.9
2	5150.00	53.7 AV	54.0	-0.3	2.02 H	80	52.8	0.9
3	*5200.00	123.3 PK			2.02 H	80	123.0	0.3
4	*5200.00	113.2 AV			2.02 H	80	112.9	0.3
5	#10400.00	46.2 PK	68.2	-22.0	1.82 H	331	35.6	10.6
6	15600.00	44.4 PK	74.0	-29.6	1.68 H	200	32.9	11.5
7	15600.00	32.5 AV	54.0	-21.5	1.68 H	200	21.0	11.5

Remarks:

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

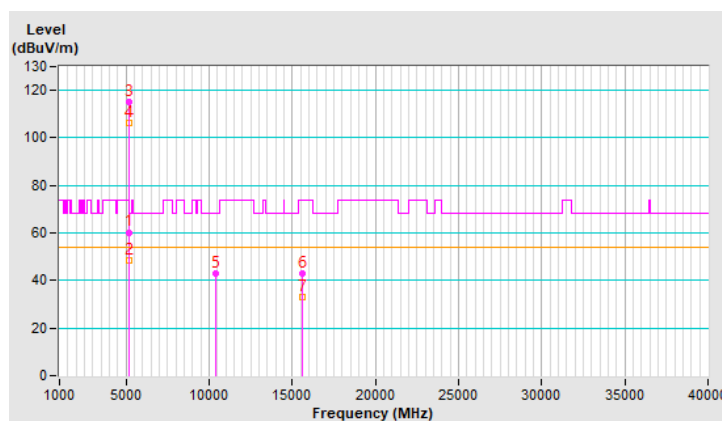


RF Mode	TX 802.11be (EHT20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.67 V	145	59.4	0.9
2	5150.00	48.2 AV	54.0	-5.8	1.67 V	145	47.3	0.9
3	*5200.00	115.3 PK			1.67 V	145	115.0	0.3
4	*5200.00	106.2 AV			1.67 V	145	105.9	0.3
5	#10400.00	42.7 PK	68.2	-25.5	3.65 V	223	32.1	10.6
6	15600.00	43.1 PK	74.0	-30.9	2.18 V	36	31.6	11.5
7	15600.00	33.1 AV	54.0	-20.9	2.18 V	36	21.6	11.5

Remarks:

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

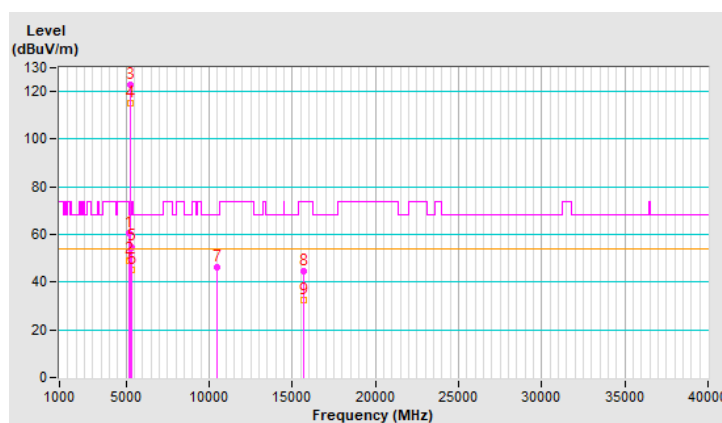


RF Mode	TX 802.11be (EHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.8 PK	74.0	-13.2	2.05 H	78	59.9	0.9
2	5150.00	49.3 AV	54.0	-4.7	2.05 H	78	48.4	0.9
3	*5240.00	122.9 PK			2.05 H	78	122.7	0.2
4	*5240.00	115.1 AV			2.05 H	78	114.9	0.2
5	5350.00	54.8 PK	74.0	-19.2	2.05 H	78	54.4	0.4
6	5350.00	45.4 AV	54.0	-8.6	2.05 H	78	45.0	0.4
7	#10480.00	46.2 PK	68.2	-22.0	1.68 H	346	35.8	10.4
8	15720.00	44.4 PK	74.0	-29.6	1.64 H	187	33.4	11.0
9	15720.00	32.7 AV	54.0	-21.3	1.64 H	187	21.7	11.0

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.

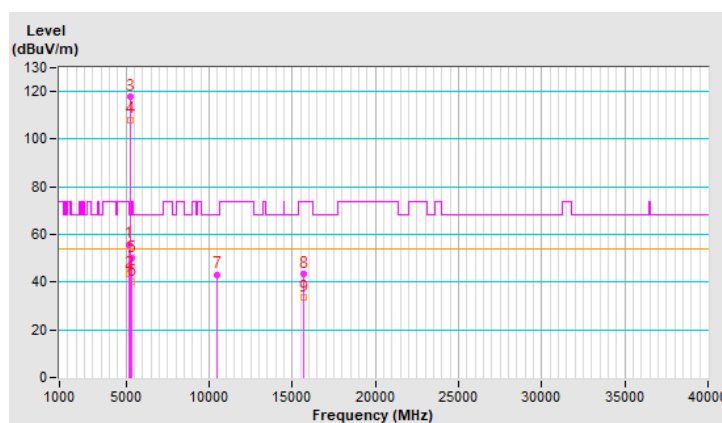


RF Mode	TX 802.11be (EHT20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.9 PK	74.0	-18.1	1.72 V	137	55.0	0.9
2	5150.00	43.7 AV	54.0	-10.3	1.72 V	137	42.8	0.9
3	*5240.00	117.9 PK			1.72 V	137	117.7	0.2
4	*5240.00	108.2 AV			1.72 V	137	108.0	0.2
5	5350.00	50.3 PK	74.0	-23.7	1.72 V	137	49.9	0.4
6	5350.00	40.0 AV	54.0	-14.0	1.72 V	137	39.6	0.4
7	#10480.00	43.2 PK	68.2	-25.0	3.55 V	212	32.8	10.4
8	15720.00	43.5 PK	74.0	-30.5	2.24 V	86	32.5	11.0
9	15720.00	33.4 AV	54.0	-20.6	2.24 V	86	22.4	11.0

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.

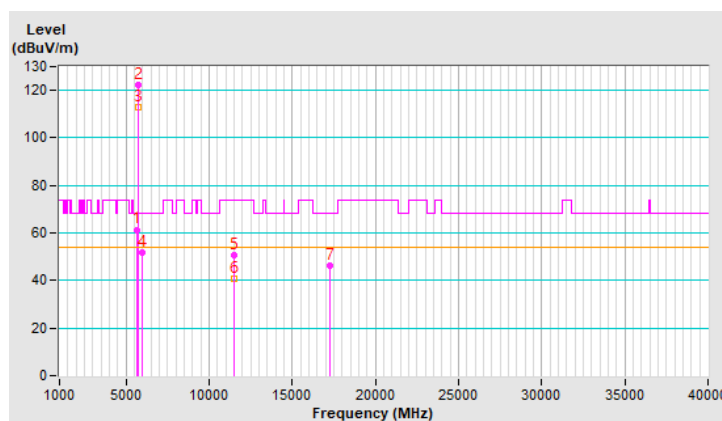


RF Mode	TX 802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.80	61.4 PK	68.2	-6.8	2.10 H	83	60.5	0.9
2	*5745.00	122.1 PK			2.10 H	83	120.8	1.3
3	*5745.00	113.0 AV			2.10 H	83	111.7	1.3
4	#5935.60	51.7 PK	68.2	-16.5	2.10 H	83	50.2	1.5
5	11490.00	50.7 PK	74.0	-23.3	2.06 H	316	39.0	11.7
6	11490.00	40.5 AV	54.0	-13.5	2.06 H	316	28.8	11.7
7	#17235.00	46.5 PK	68.2	-21.7	1.79 H	183	30.7	15.8

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.

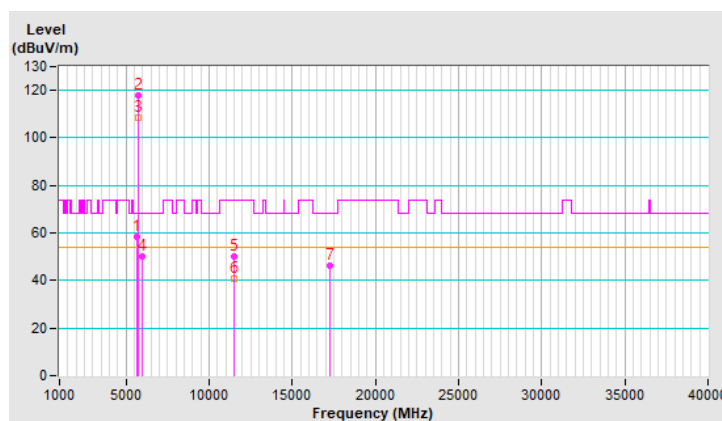


RF Mode	TX 802.11be (EHT20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.33	58.6 PK	68.2	-9.6	1.96 V	36	57.7	0.9
2	*5745.00	117.9 PK			1.96 V	36	116.6	1.3
3	*5745.00	108.5 AV			1.96 V	36	107.2	1.3
4	#5970.33	50.1 PK	68.2	-18.1	1.96 V	36	48.5	1.6
5	11490.00	50.2 PK	74.0	-23.8	3.80 V	228	38.5	11.7
6	11490.00	40.5 AV	54.0	-13.5	3.80 V	228	28.8	11.7
7	#17235.00	46.1 PK	68.2	-22.1	2.15 V	63	30.3	15.8

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.

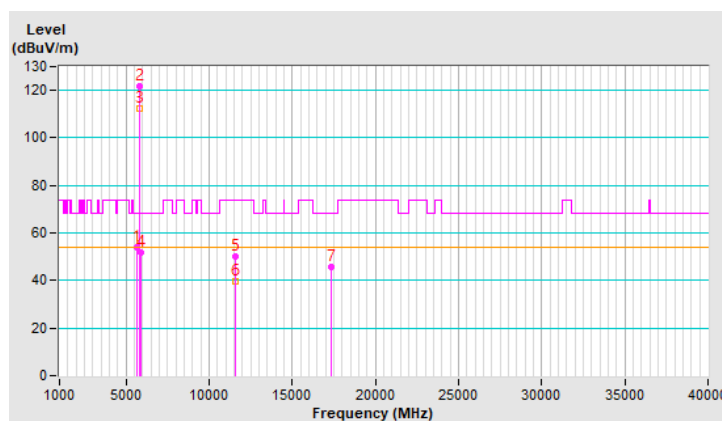


RF Mode	TX 802.11be (EHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.50	54.1 PK	68.2	-14.1	2.16 H	93	53.2	0.9
2	*5785.00	121.5 PK			2.16 H	93	120.3	1.2
3	*5785.00	112.3 AV			2.16 H	93	111.1	1.2
4	#5927.20	51.6 PK	68.2	-16.6	2.16 H	93	50.1	1.5
5	11570.00	49.9 PK	74.0	-24.1	2.07 H	311	38.4	11.5
6	11570.00	39.7 AV	54.0	-14.3	2.07 H	311	28.2	11.5
7	#17355.00	45.6 PK	68.2	-22.6	1.79 H	180	29.0	16.6

Remarks:

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

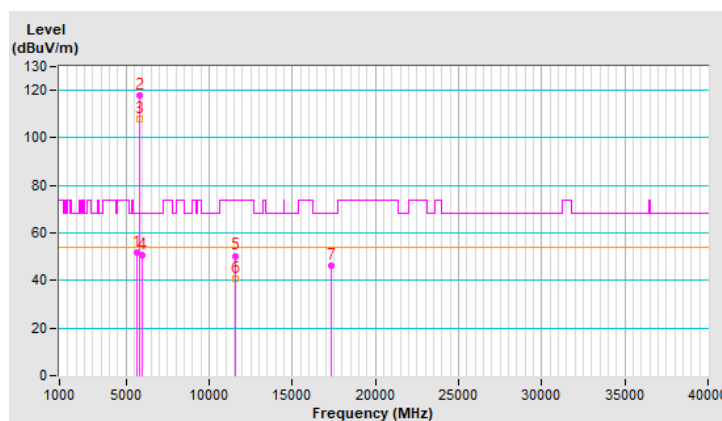


RF Mode	TX 802.11be (EHT20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.20	52.0 PK	68.2	-16.2	1.80 V	30	51.1	0.9
2	*5785.00	118.0 PK			1.80 V	30	116.8	1.2
3	*5785.00	108.0 AV			1.80 V	30	106.8	1.2
4	#6009.38	50.7 PK	68.2	-17.5	1.80 V	30	49.0	1.7
5	11570.00	50.4 PK	74.0	-23.6	3.74 V	228	38.9	11.5
6	11570.00	40.5 AV	54.0	-13.5	3.74 V	228	29.0	11.5
7	#17355.00	46.1 PK	68.2	-22.1	2.11 V	79	29.5	16.6

Remarks:

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

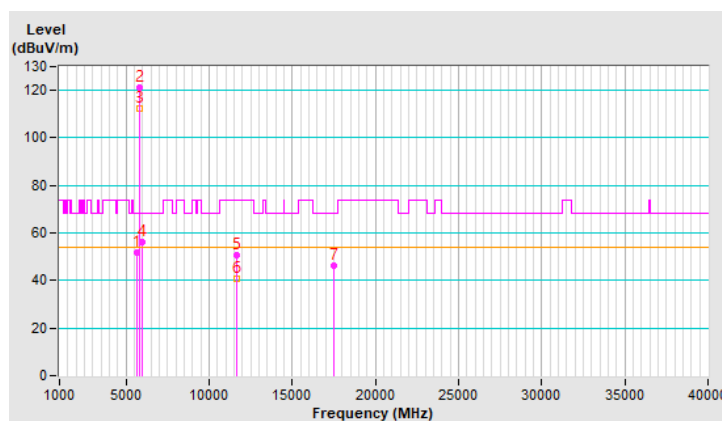


RF Mode	TX 802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.10	51.8 PK	68.2	-16.4	2.14 H	92	50.9	0.9
2	*5825.00	121.2 PK			2.14 H	92	120.0	1.2
3	*5825.00	112.6 AV			2.14 H	92	111.4	1.2
4	#5941.20	56.3 PK	68.2	-11.9	2.14 H	92	54.7	1.6
5	11650.00	50.7 PK	74.0	-23.3	1.98 H	313	39.5	11.2
6	11650.00	40.6 AV	54.0	-13.4	1.98 H	313	29.4	11.2
7	#17475.00	46.4 PK	68.2	-21.8	1.74 H	179	28.3	18.1

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.

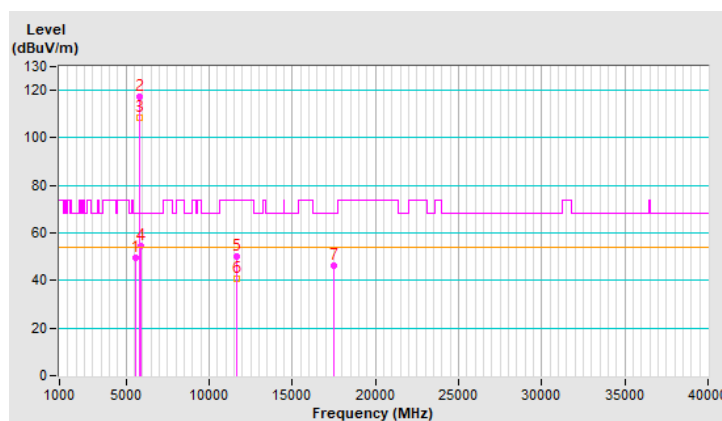


RF Mode	TX 802.11be (EHT20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5599.19	49.6 PK	68.2	-18.6	1.79 V	40	48.8	0.8
2	*5825.00	117.5 PK			1.79 V	40	116.3	1.2
3	*5825.00	108.4 AV			1.79 V	40	107.2	1.2
4	#5929.23	54.7 PK	68.2	-13.5	1.79 V	40	53.2	1.5
5	11650.00	50.3 PK	74.0	-23.7	3.74 V	209	39.1	11.2
6	11650.00	40.5 AV	54.0	-13.5	3.74 V	209	29.3	11.2
7	#17475.00	46.0 PK	68.2	-22.2	2.19 V	86	27.9	18.1

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.

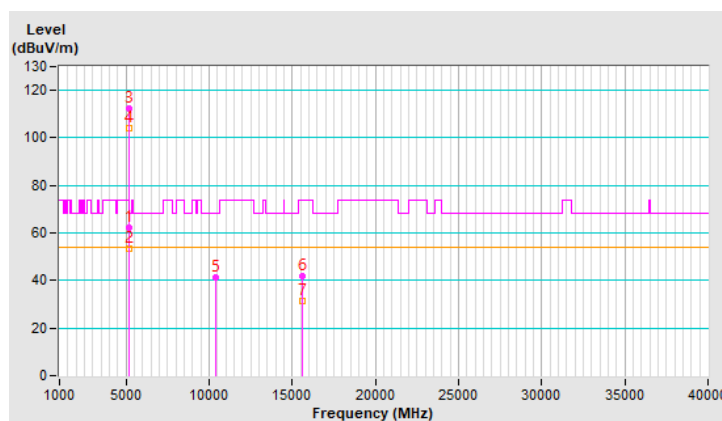


RF Mode	TX 802.11be (EHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.4 PK	74.0	-11.6	1.96 H	85	61.5	0.9
2	5150.00	53.6 AV	54.0	-0.4	1.96 H	85	52.7	0.9
3	*5190.00	112.6 PK			1.96 H	85	112.1	0.5
4	*5190.00	104.1 AV			1.96 H	85	103.6	0.5
5	#10380.00	41.2 PK	68.2	-27.0	1.95 H	338	30.7	10.5
6	15570.00	41.9 PK	74.0	-32.1	1.54 H	190	30.4	11.5
7	15570.00	31.2 AV	54.0	-22.8	1.54 H	190	19.7	11.5

Remarks:

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

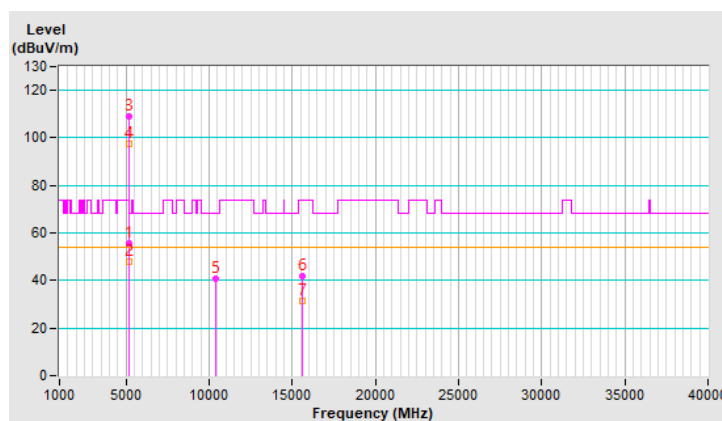


RF Mode	TX 802.11be (EHT40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.5 PK	74.0	-18.5	1.72 V	138	54.6	0.9
2	5150.00	48.1 AV	54.0	-5.9	1.72 V	138	47.2	0.9
3	*5190.00	108.9 PK			1.72 V	138	108.4	0.5
4	*5190.00	97.6 AV			1.72 V	138	97.1	0.5
5	#10380.00	40.9 PK	68.2	-27.3	3.63 V	245	30.4	10.5
6	15570.00	41.8 PK	74.0	-32.2	2.14 V	88	30.3	11.5
7	15570.00	31.4 AV	54.0	-22.6	2.14 V	88	19.9	11.5

Remarks:

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

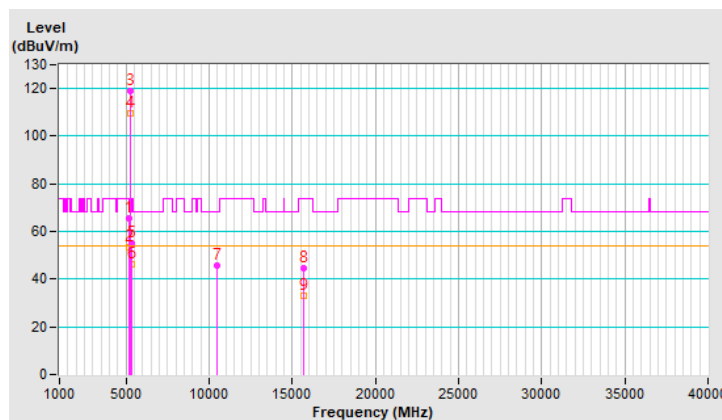


RF Mode	TX 802.11be (EHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	65.4 PK	74.0	-8.6	2.06 H	84	64.5	0.9
2	5150.00	53.6 AV	54.0	-0.4	2.06 H	84	52.7	0.9
3	*5230.00	119.1 PK			2.06 H	84	118.9	0.2
4	*5230.00	109.8 AV			2.06 H	84	109.6	0.2
5	5350.00	54.9 PK	74.0	-19.1	2.06 H	84	54.5	0.4
6	5350.00	46.1 AV	54.0	-7.9	2.06 H	84	45.7	0.4
7	#10460.00	45.8 PK	68.2	-22.4	1.75 H	358	35.3	10.5
8	15690.00	44.5 PK	74.0	-29.5	1.65 H	191	33.4	11.1
9	15690.00	32.8 AV	54.0	-21.2	1.65 H	191	21.7	11.1

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.

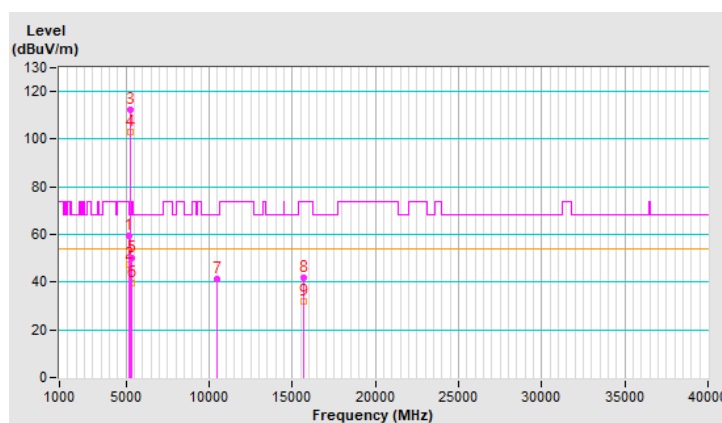


RF Mode	TX 802.11be (EHT40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	1.61 V	138	58.6	0.9
2	5150.00	47.5 AV	54.0	-6.5	1.61 V	138	46.6	0.9
3	*5230.00	112.3 PK			1.61 V	138	112.1	0.2
4	*5230.00	102.8 AV			1.61 V	138	102.6	0.2
5	5350.00	50.0 PK	74.0	-24.0	1.61 V	138	49.6	0.4
6	5350.00	39.7 AV	54.0	-14.3	1.61 V	138	39.3	0.4
7	#10460.00	41.2 PK	68.2	-27.0	3.63 V	261	30.7	10.5
8	15690.00	41.9 PK	74.0	-32.1	2.11 V	103	30.8	11.1
9	15690.00	31.8 AV	54.0	-22.2	2.11 V	103	20.7	11.1

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.

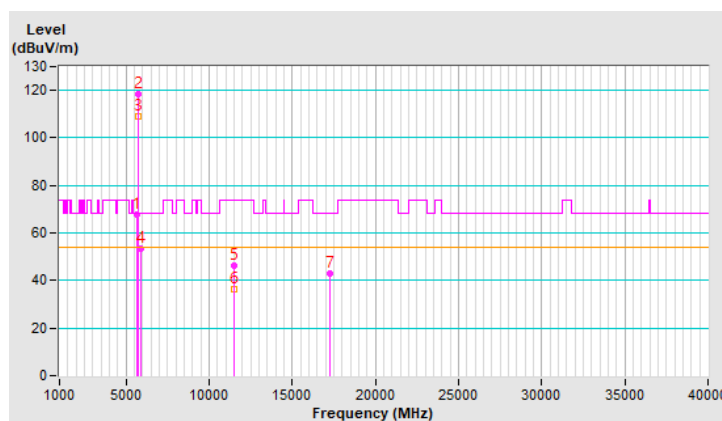


RF Mode	TX 802.11be (EHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.80	67.8 PK	68.2	-0.4	2.04 H	91	66.9	0.9
2	*5755.00	118.2 PK			2.04 H	91	117.0	1.2
3	*5755.00	109.1 AV			2.04 H	91	107.9	1.2
4	#5933.25	53.5 PK	68.2	-14.7	2.04 H	91	52.0	1.5
5	11510.00	46.5 PK	74.0	-27.5	2.01 H	277	34.7	11.8
6	11510.00	36.2 AV	54.0	-17.8	2.01 H	277	24.4	11.8
7	#17265.00	43.0 PK	68.2	-25.2	1.67 H	168	27.2	15.8

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.

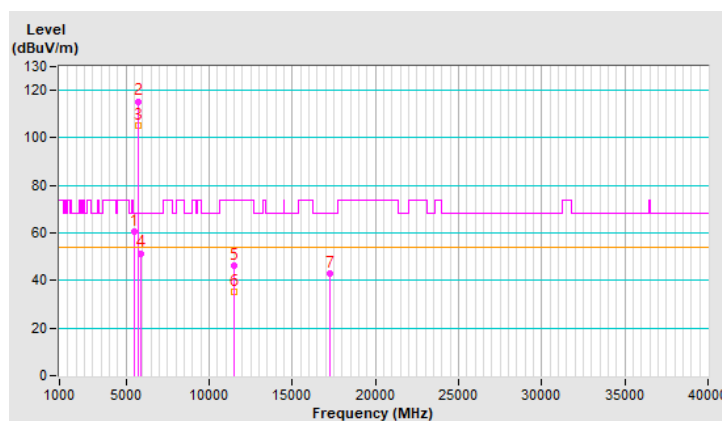


RF Mode	TX 802.11be (EHT40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5468.70	60.7 PK	68.2	-7.5	1.93 V	31	60.0	0.7
2	*5755.00	115.4 PK			1.93 V	31	114.2	1.2
3	*5755.00	105.2 AV			1.93 V	31	104.0	1.2
4	#5930.69	51.5 PK	68.2	-16.7	1.93 V	31	50.0	1.5
5	11510.00	46.2 PK	74.0	-27.8	3.69 V	240	34.4	11.8
6	11510.00	35.0 AV	54.0	-19.0	3.69 V	240	23.2	11.8
7	#17265.00	43.0 PK	68.2	-25.2	2.12 V	82	27.2	15.8

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.

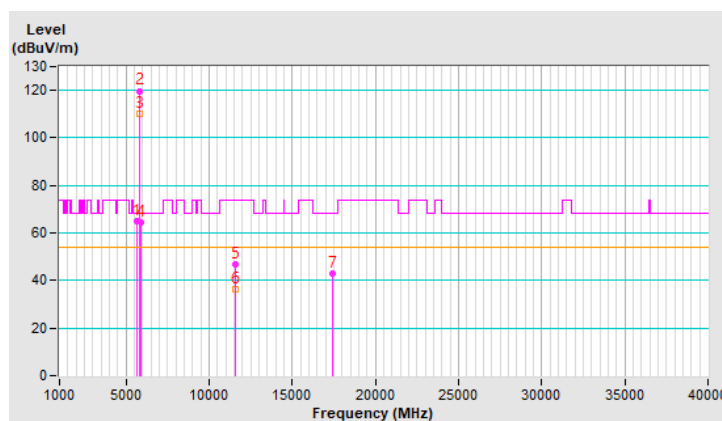


RF Mode	TX 802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.65	65.2 PK	68.2	-3.0	2.03 H	88	64.3	0.9
2	*5795.00	119.8 PK			2.03 H	88	118.6	1.2
3	*5795.00	110.3 AV			2.03 H	88	109.1	1.2
4	#5926.80	64.4 PK	68.2	-3.8	2.03 H	88	62.9	1.5
5	11590.00	46.9 PK	74.0	-27.1	2.10 H	277	35.5	11.4
6	11590.00	36.1 AV	54.0	-17.9	2.10 H	277	24.7	11.4
7	#17385.00	43.0 PK	68.2	-25.2	1.66 H	189	26.0	17.0

Remarks:

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

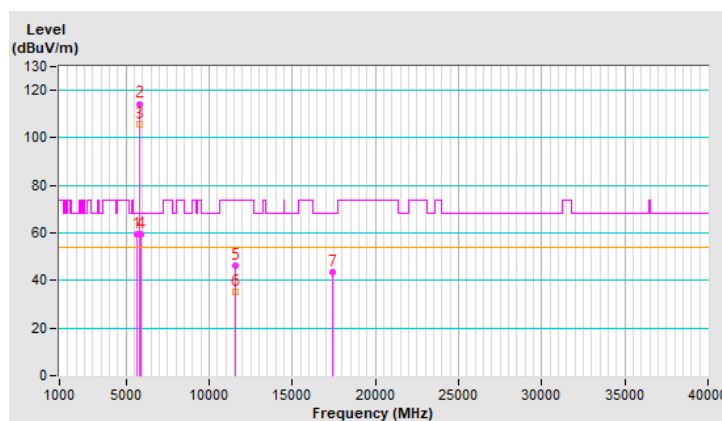


RF Mode	TX 802.11be (EHT40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 300 Hz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.25	59.3 PK	68.2	-8.9	1.80 V	37	58.4	0.9
2	*5795.00	114.3 PK			1.80 V	37	113.1	1.2
3	*5795.00	105.5 AV			1.80 V	37	104.3	1.2
4	#5926.32	59.3 PK	68.2	-8.9	1.80 V	37	57.8	1.5
5	11590.00	46.3 PK	74.0	-27.7	3.77 V	235	34.9	11.4
6	11590.00	35.1 AV	54.0	-18.9	3.77 V	235	23.7	11.4
7	#17385.00	43.4 PK	68.2	-24.8	2.09 V	89	26.4	17.0

Remarks:

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

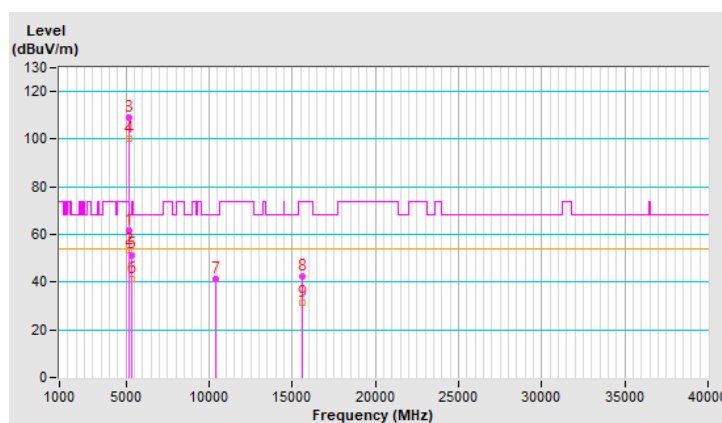


RF Mode	TX 802.11be (EHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.9 PK	74.0	-12.1	2.09 H	91	61.0	0.9
2	5150.00	53.5 AV	54.0	-0.5	2.09 H	91	52.6	0.9
3	*5210.00	109.0 PK			2.09 H	91	108.7	0.3
4	*5210.00	100.1 AV			2.09 H	91	99.8	0.3
5	5350.00	51.5 PK	74.0	-22.5	2.09 H	91	51.1	0.4
6	5350.00	41.1 AV	54.0	-12.9	2.09 H	91	40.7	0.4
7	#10420.00	41.2 PK	68.2	-27.0	1.89 H	347	30.7	10.5
8	15630.00	42.4 PK	74.0	-31.6	1.56 H	173	31.0	11.4
9	15630.00	31.4 AV	54.0	-22.6	1.56 H	173	20.0	11.4

Remarks:

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

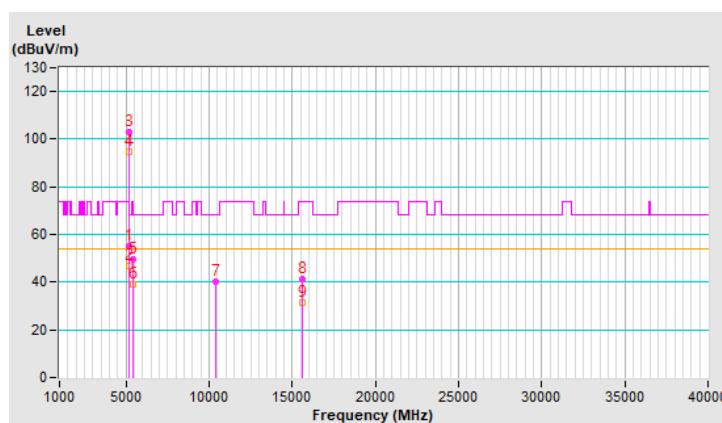


RF Mode	TX 802.11be (EHT80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	55.3 PK	74.0	-18.7	1.00 V	138	54.4	0.9
2	5150.00	46.7 AV	54.0	-7.3	1.00 V	138	45.8	0.9
3	*5210.00	103.1 PK			1.00 V	138	102.8	0.3
4	*5210.00	94.5 AV			1.00 V	138	94.2	0.3
5	5421.70	49.6 PK	74.0	-24.4	1.00 V	138	48.9	0.7
6	5421.70	39.3 AV	54.0	-14.7	1.00 V	138	38.6	0.7
7	#10420.00	40.3 PK	68.2	-27.9	3.74 V	242	29.8	10.5
8	15630.00	41.2 PK	74.0	-32.8	2.07 V	101	29.8	11.4
9	15630.00	31.3 AV	54.0	-22.7	2.07 V	101	19.9	11.4

Remarks:

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

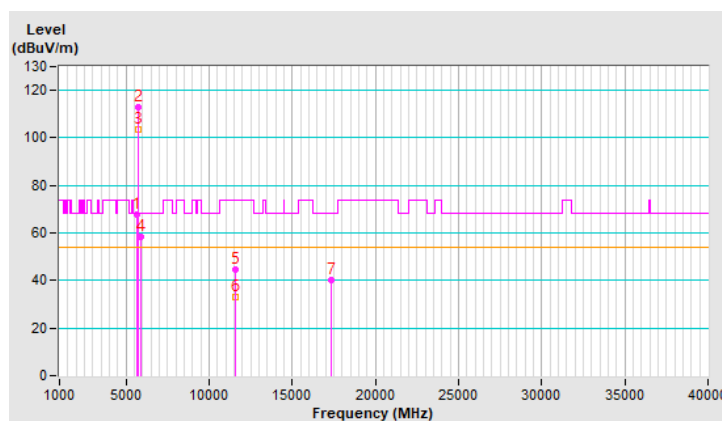


RF Mode	TX 802.11be (EHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.10	67.7 PK	68.2	-0.5	2.06 H	88	66.8	0.9
2	*5775.00	112.8 PK			2.06 H	88	111.6	1.2
3	*5775.00	103.7 AV			2.06 H	88	102.5	1.2
4	#5931.40	58.3 PK	68.2	-9.9	2.06 H	88	56.8	1.5
5	11550.00	44.8 PK	74.0	-29.2	2.13 H	293	33.3	11.5
6	11550.00	33.0 AV	54.0	-21.0	2.13 H	293	21.5	11.5
7	#17325.00	40.3 PK	68.2	-27.9	1.62 H	130	24.2	16.1

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.

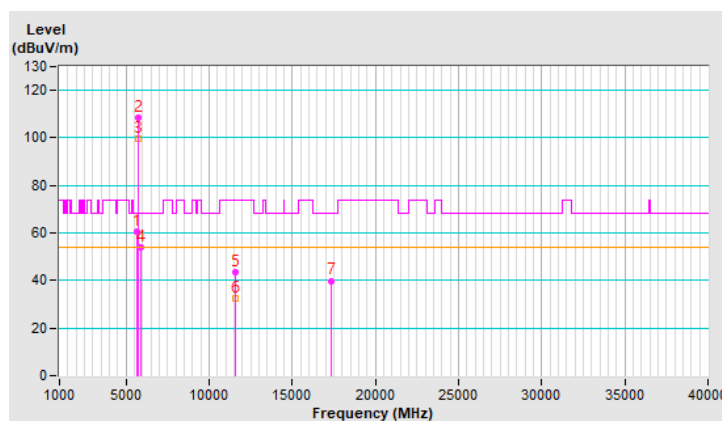


RF Mode	TX 802.11be (EHT80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power (System)	120 Vac, 60Hz	Environmental Conditions	25°C, 67% RH
Tested By	Tom Yang		

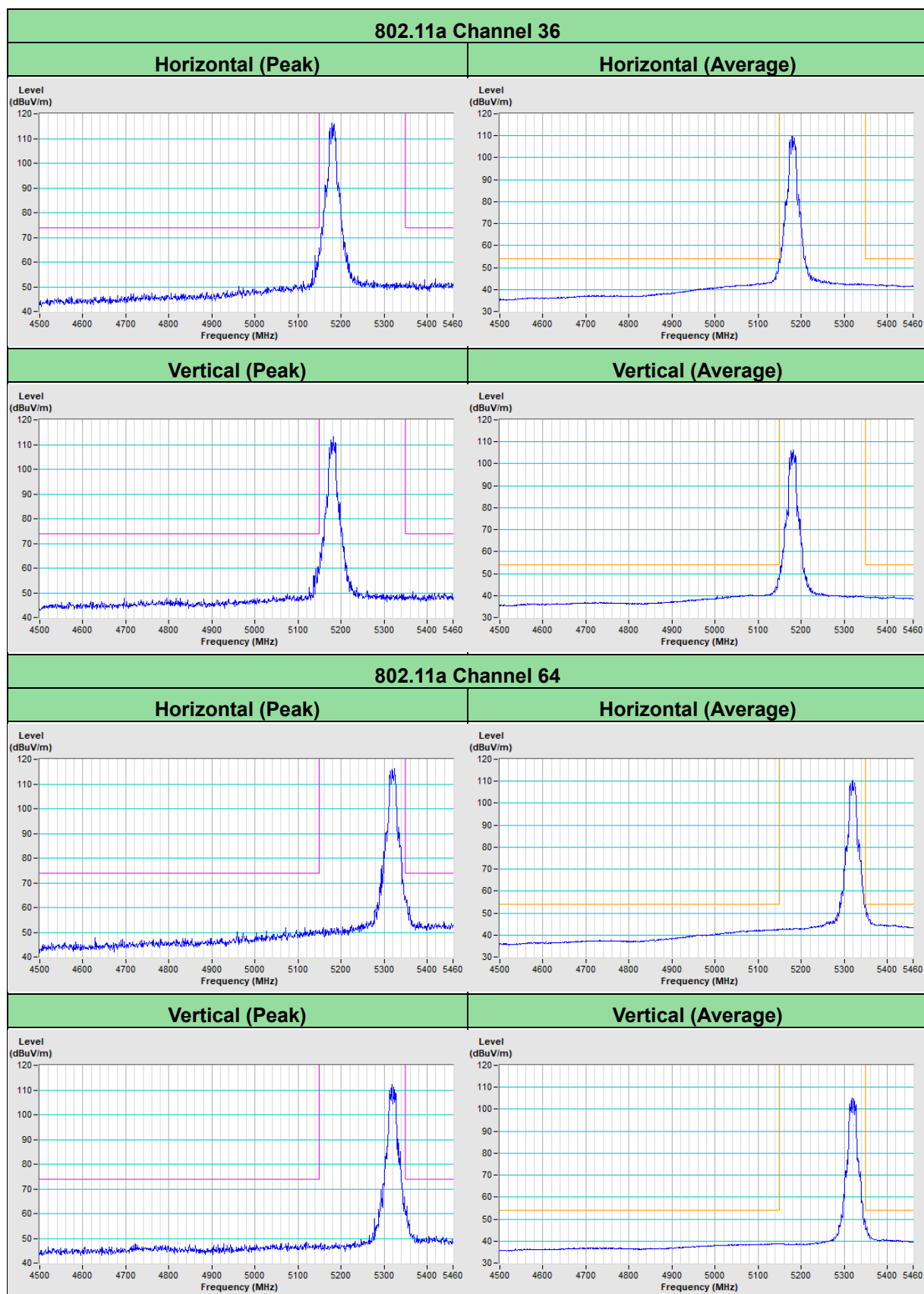
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.05	60.6 PK	68.2	-7.6	1.83 V	32	59.7	0.9
2	*5775.00	108.7 PK			1.83 V	32	107.5	1.2
3	*5775.00	99.8 AV			1.83 V	32	98.6	1.2
4	#5926.08	53.8 PK	68.2	-14.4	1.83 V	32	52.3	1.5
5	11550.00	43.6 PK	74.0	-30.4	3.72 V	251	32.1	11.5
6	11550.00	32.4 AV	54.0	-21.6	3.72 V	251	20.9	11.5
7	#17325.00	39.9 PK	68.2	-28.3	2.23 V	86	23.8	16.1

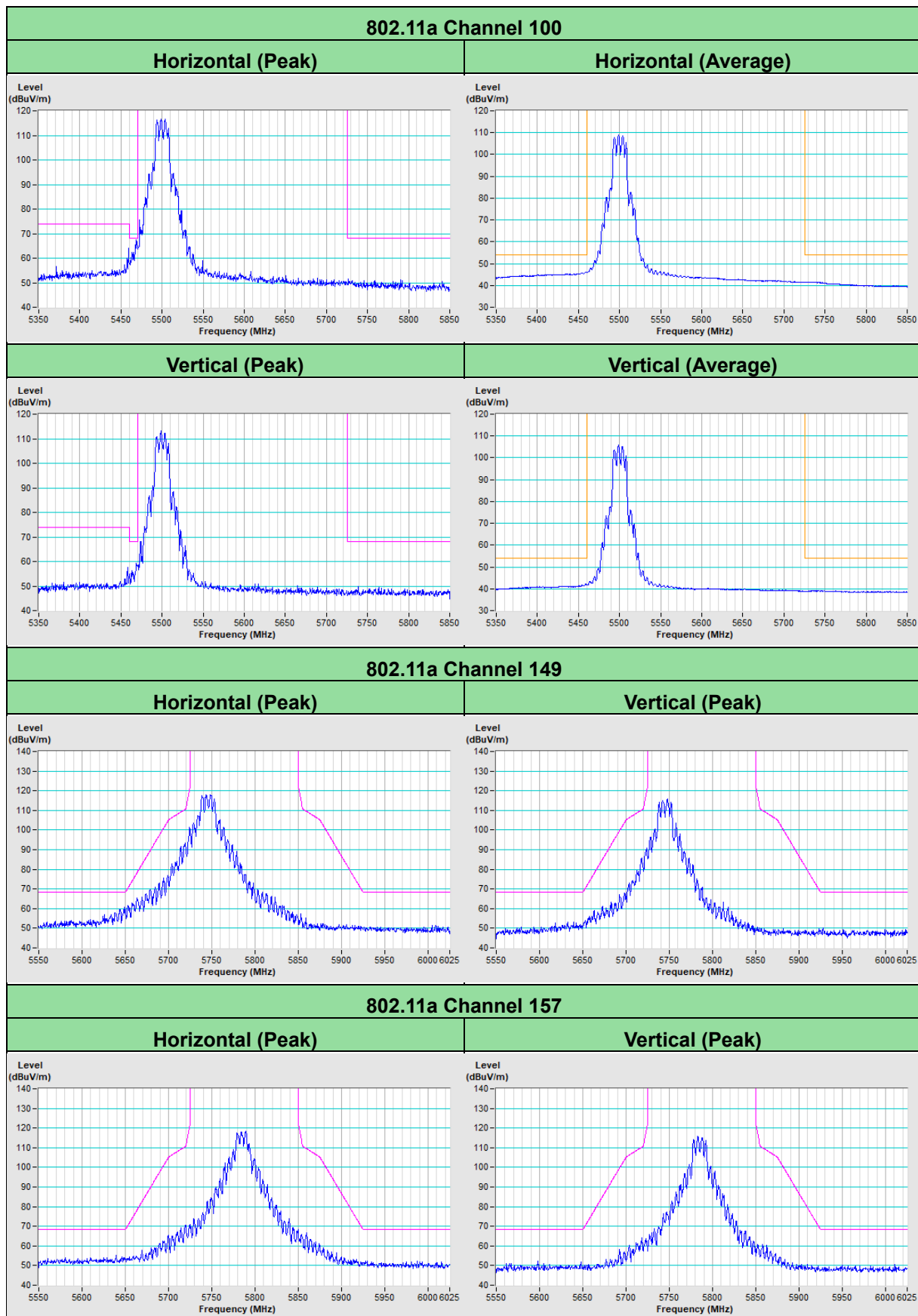
Remarks:

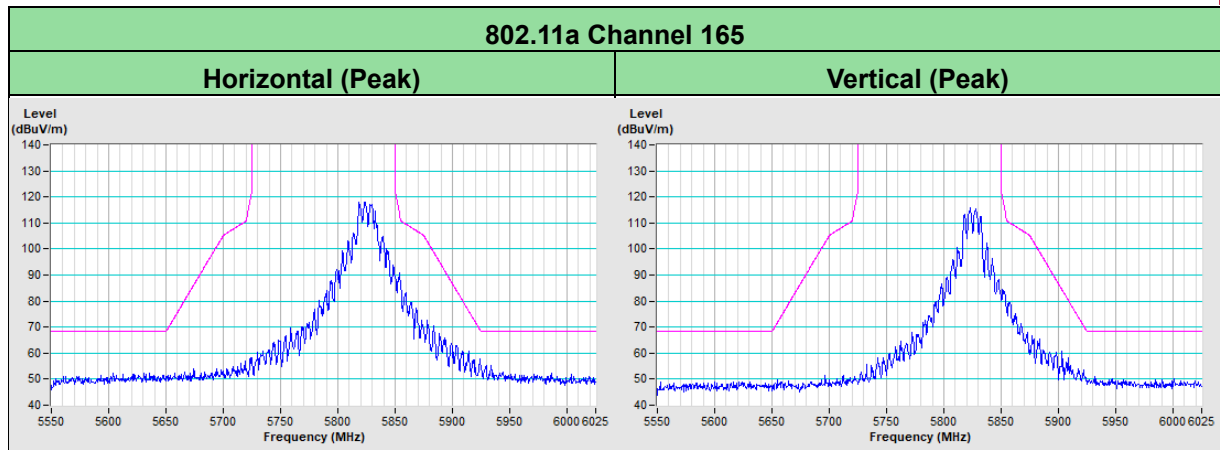
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency,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

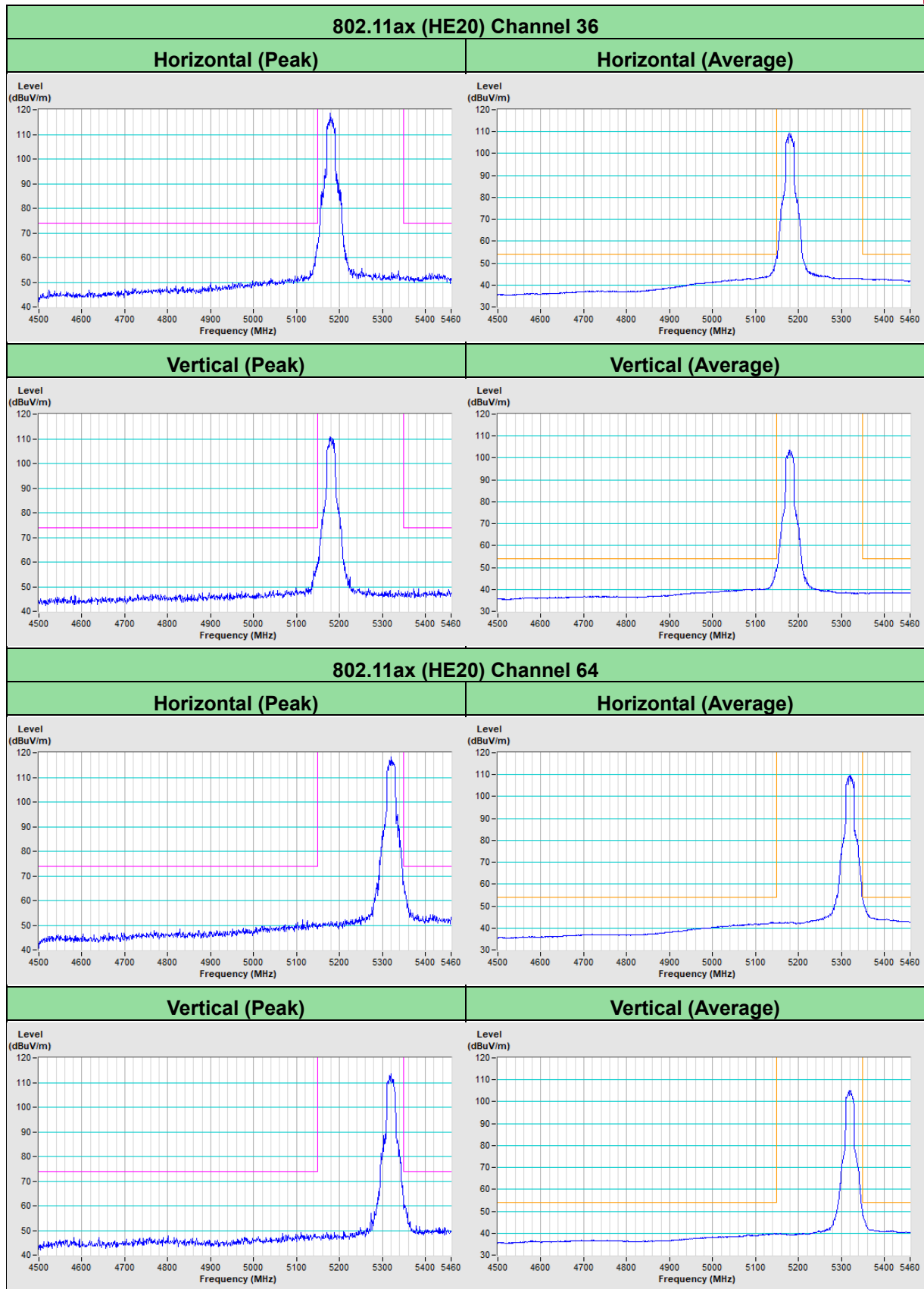


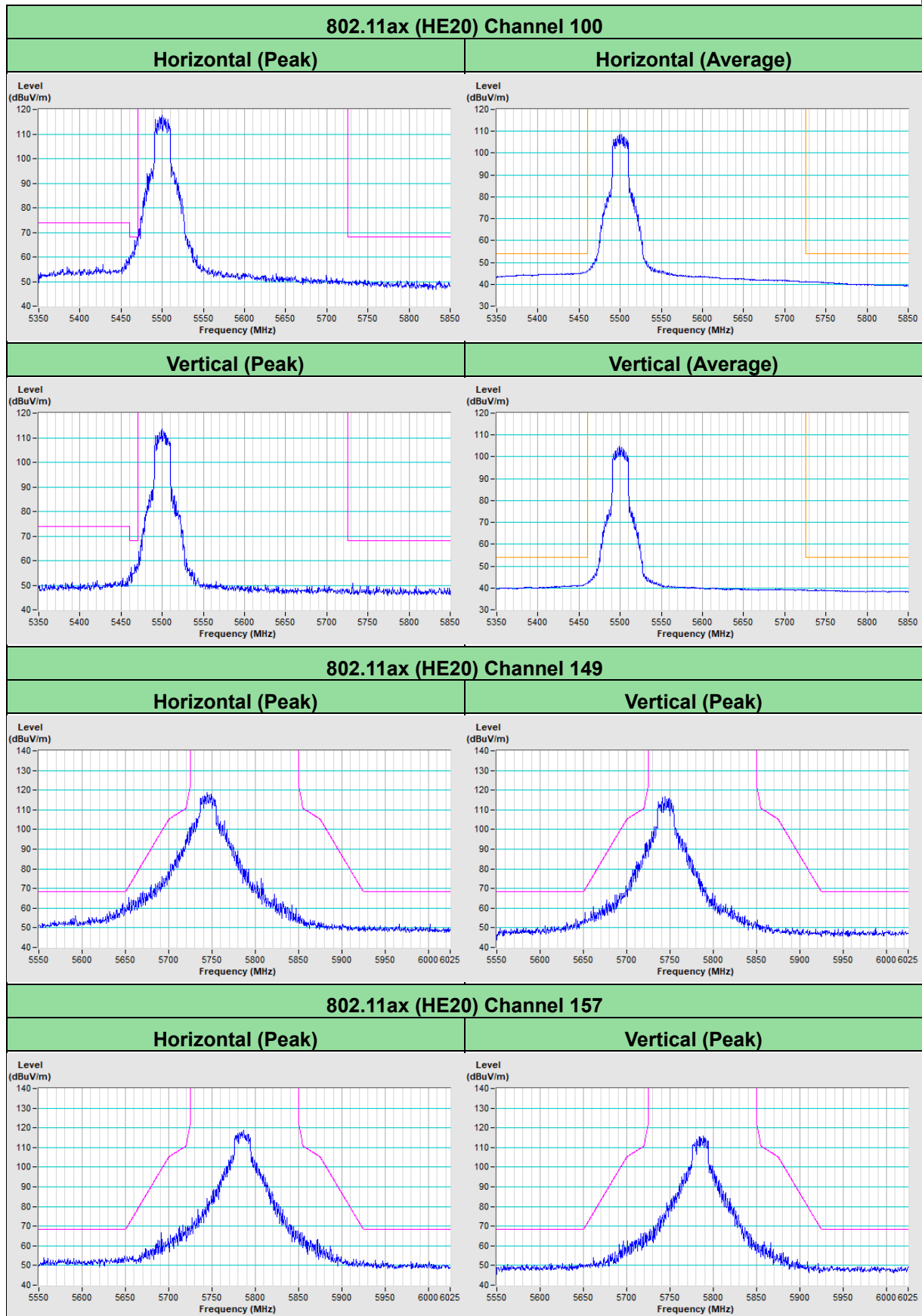
Plot of Band Edge

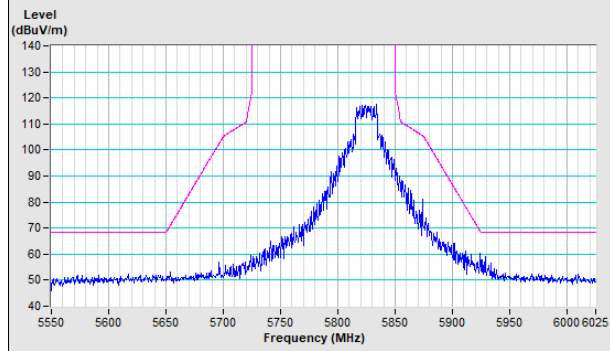
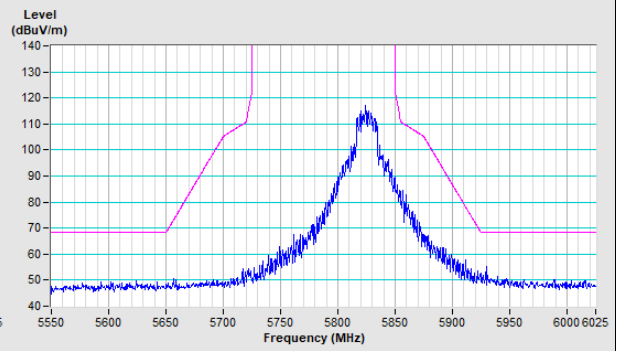


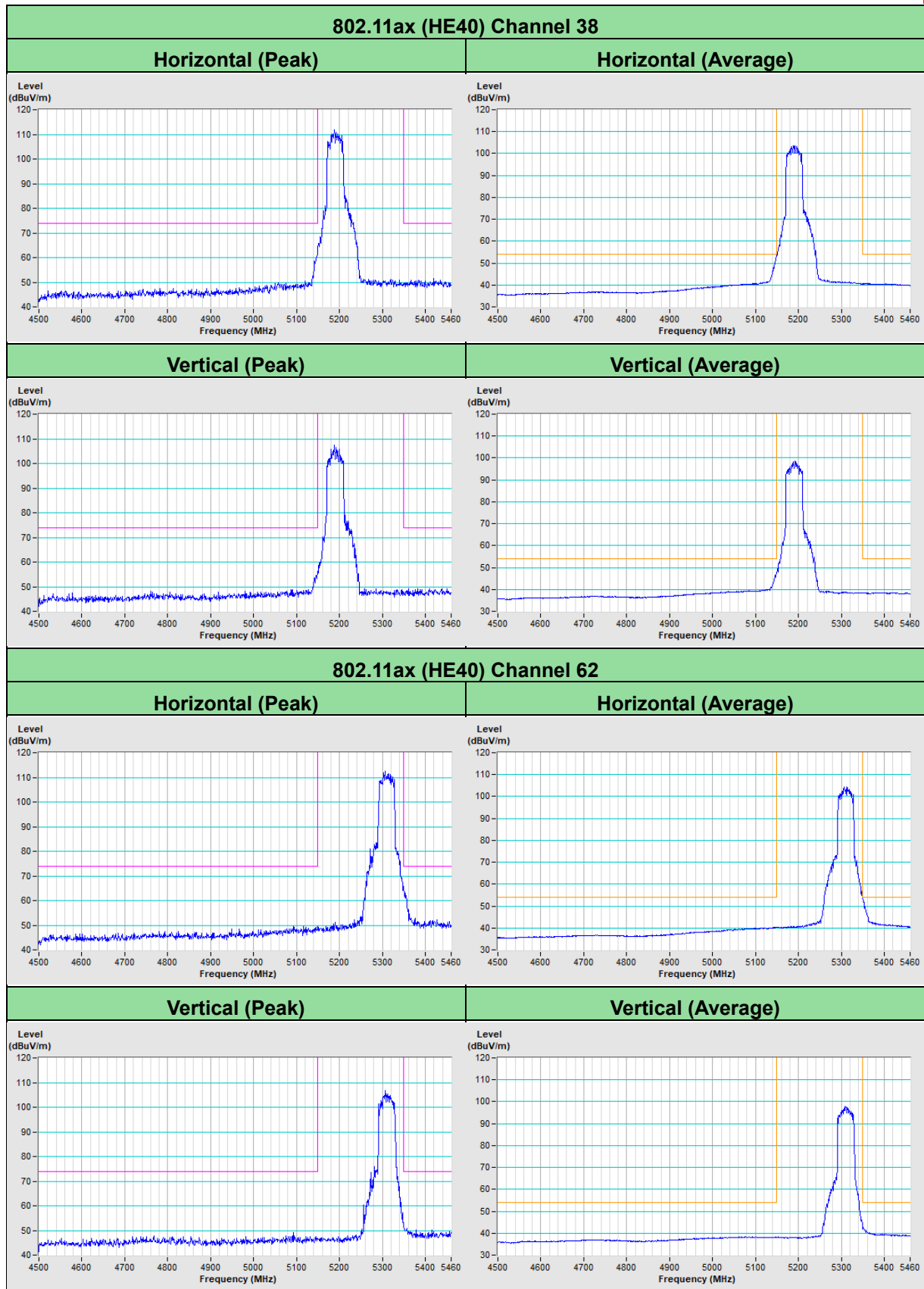


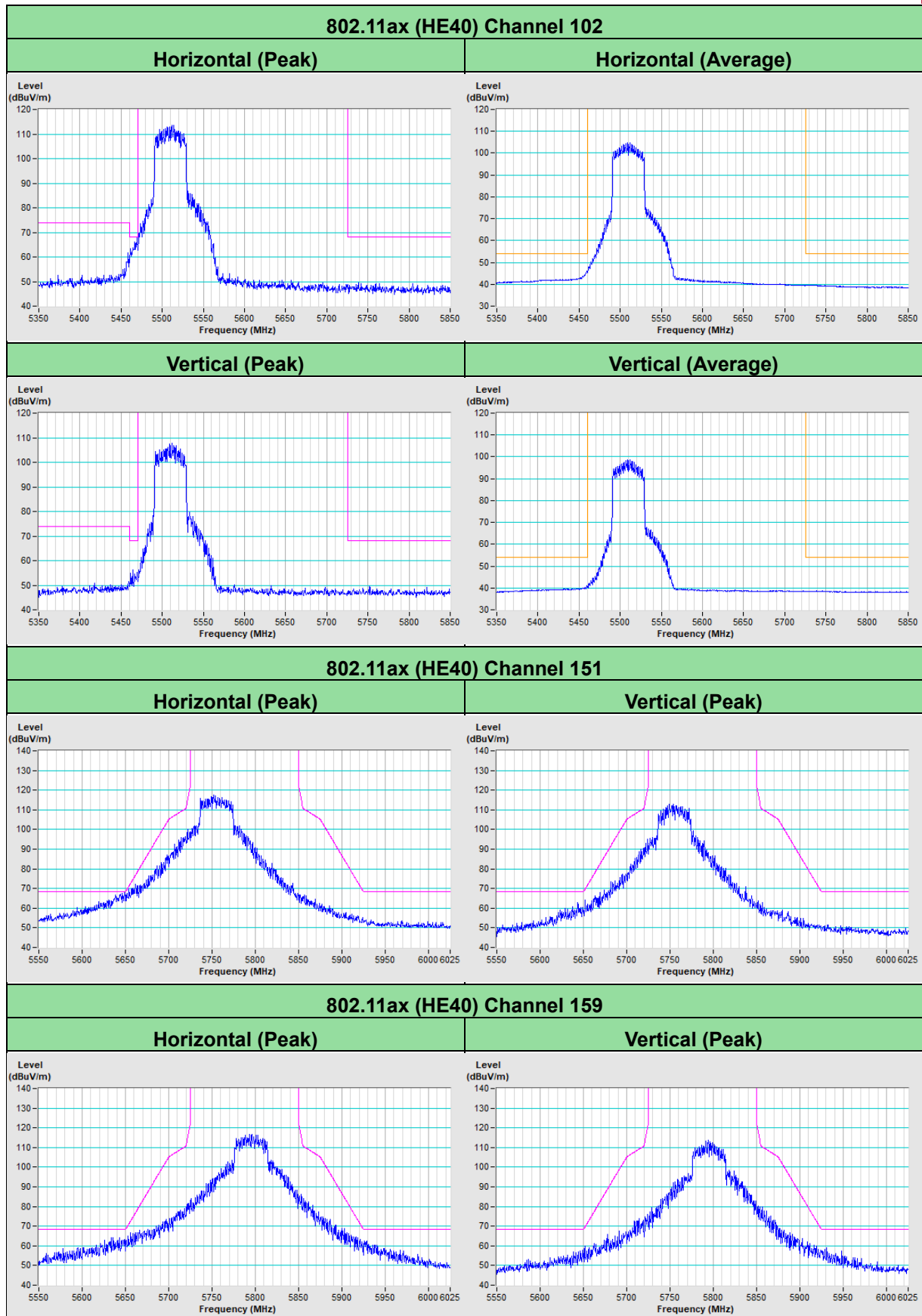


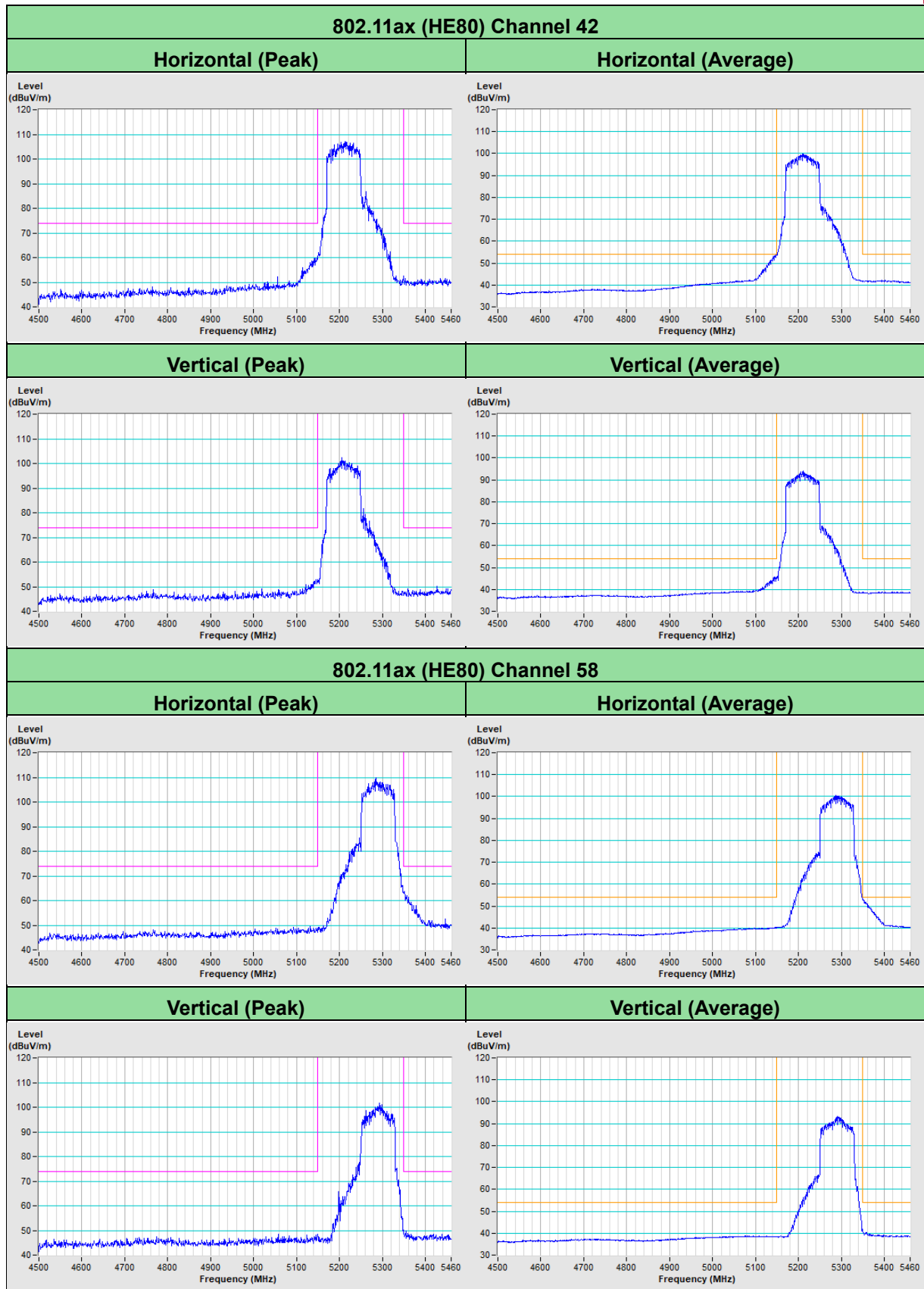


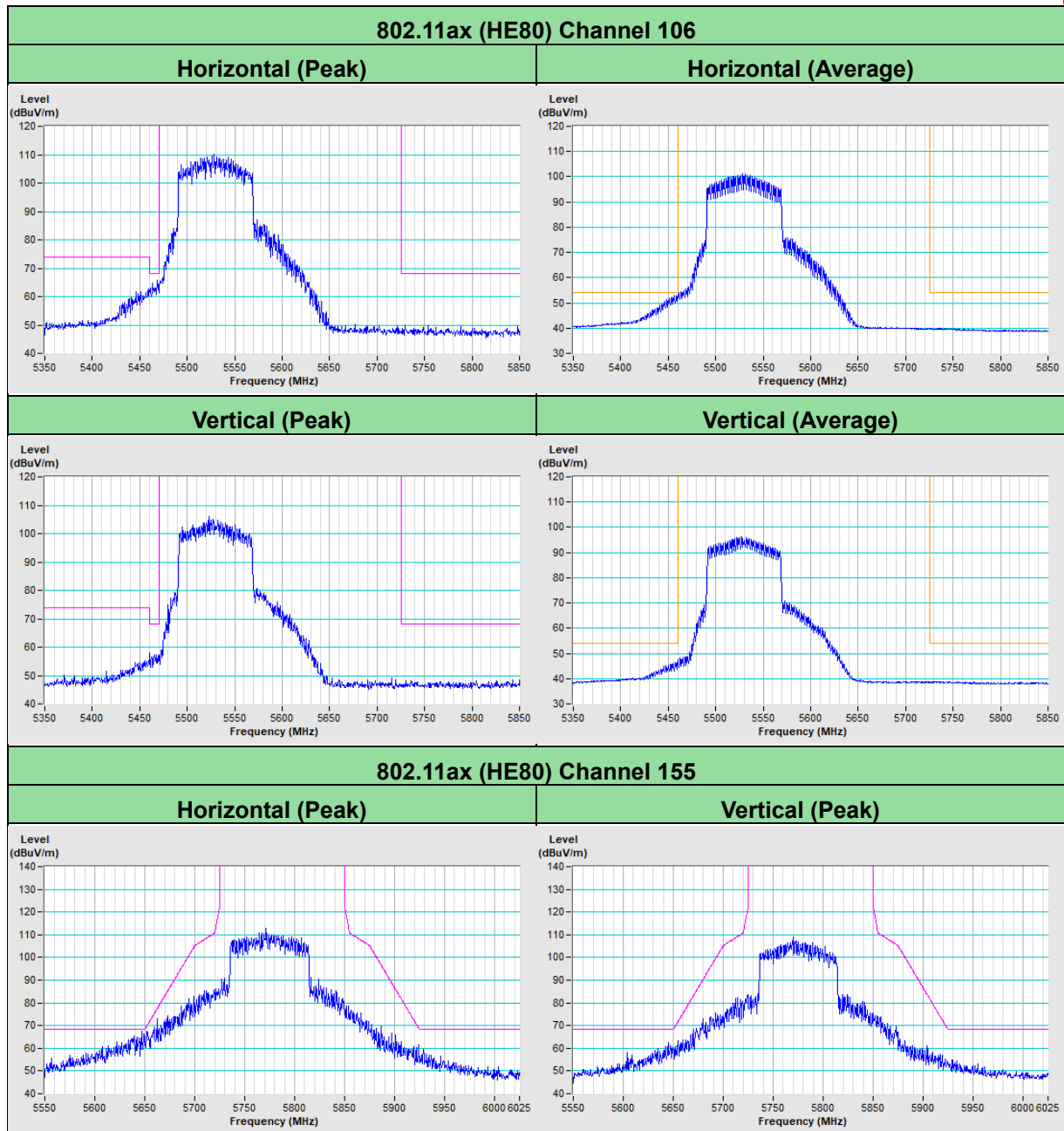


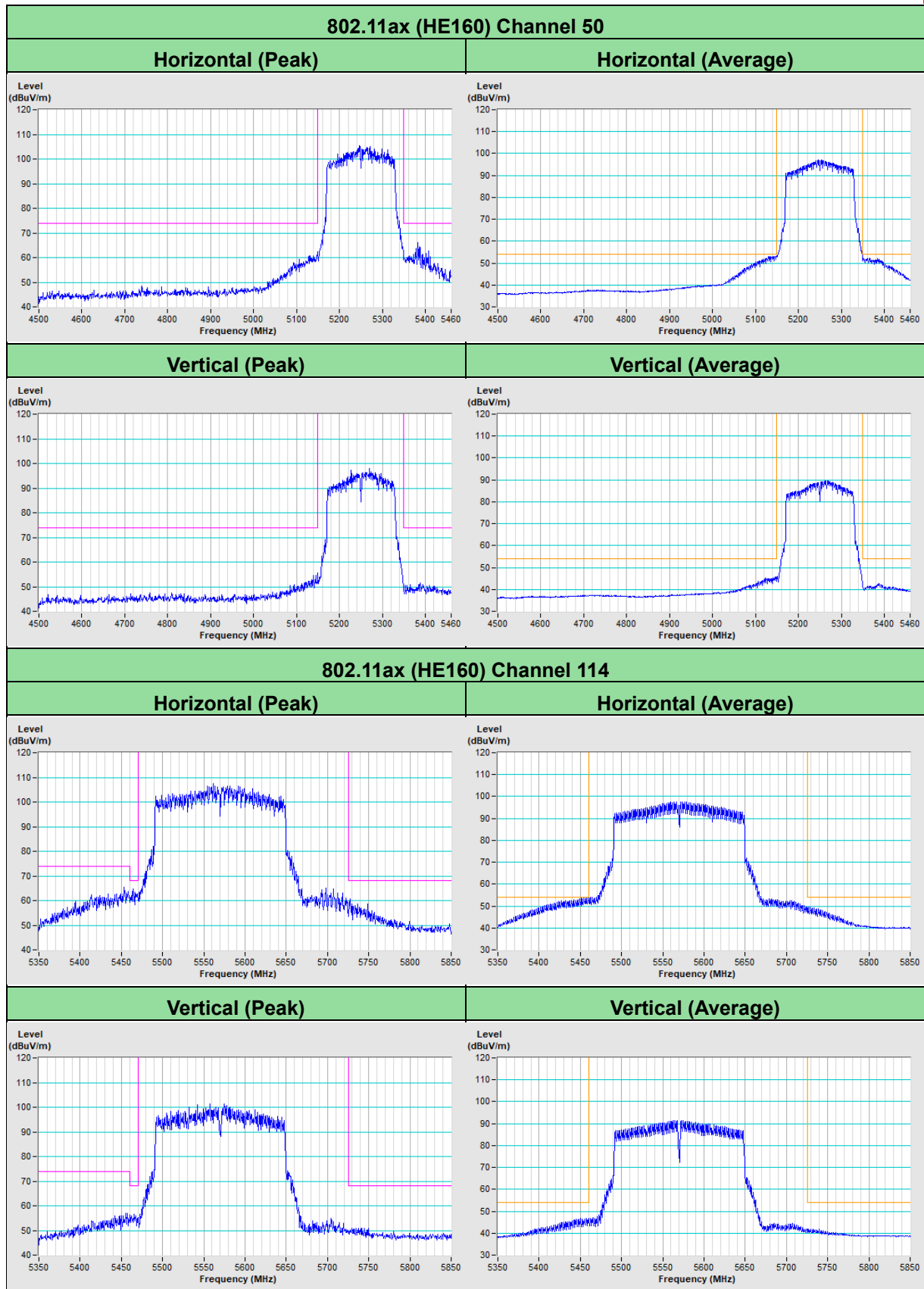
802.11ax (HE20) Channel 165**Horizontal (Peak)****Vertical (Peak)**

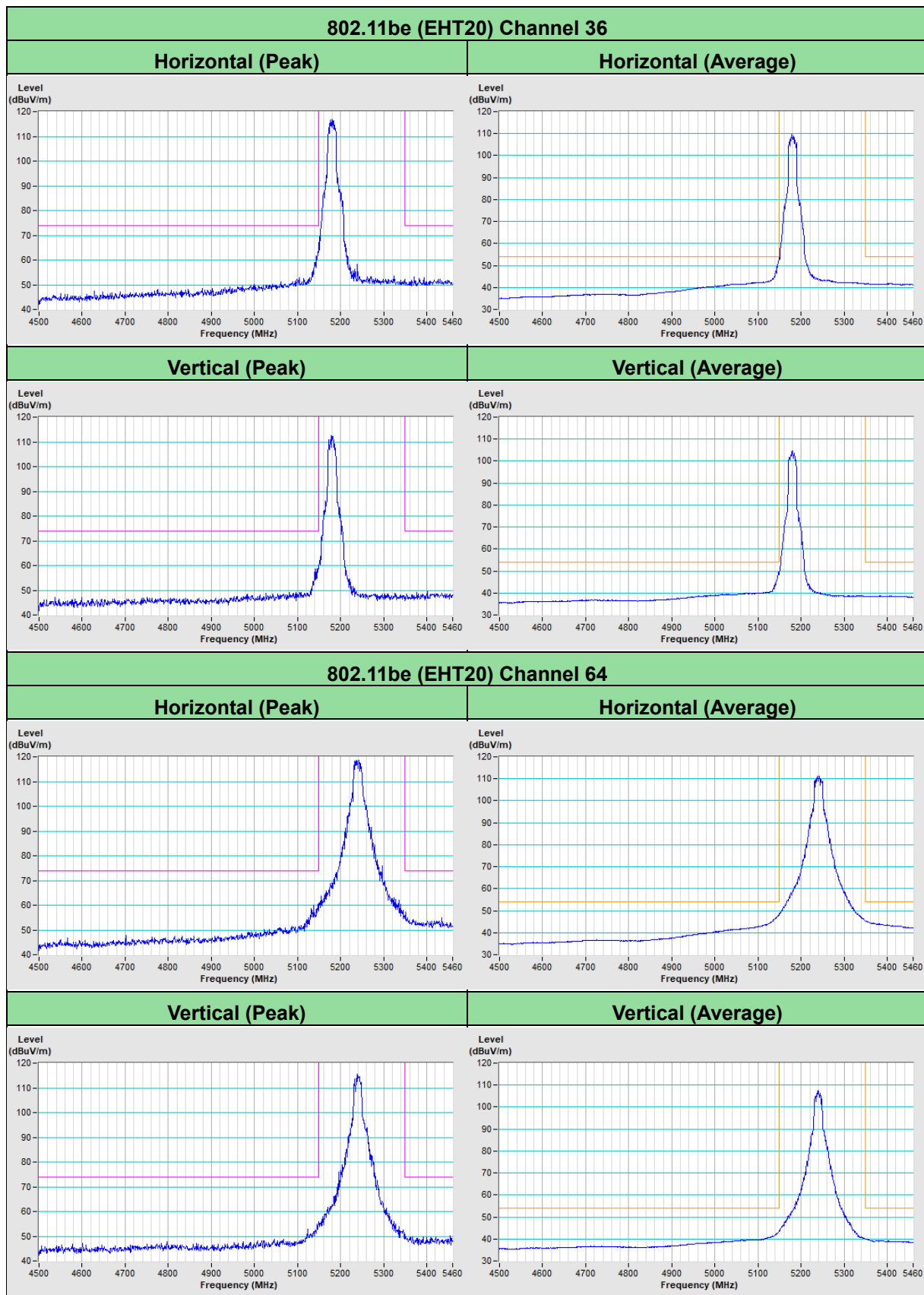


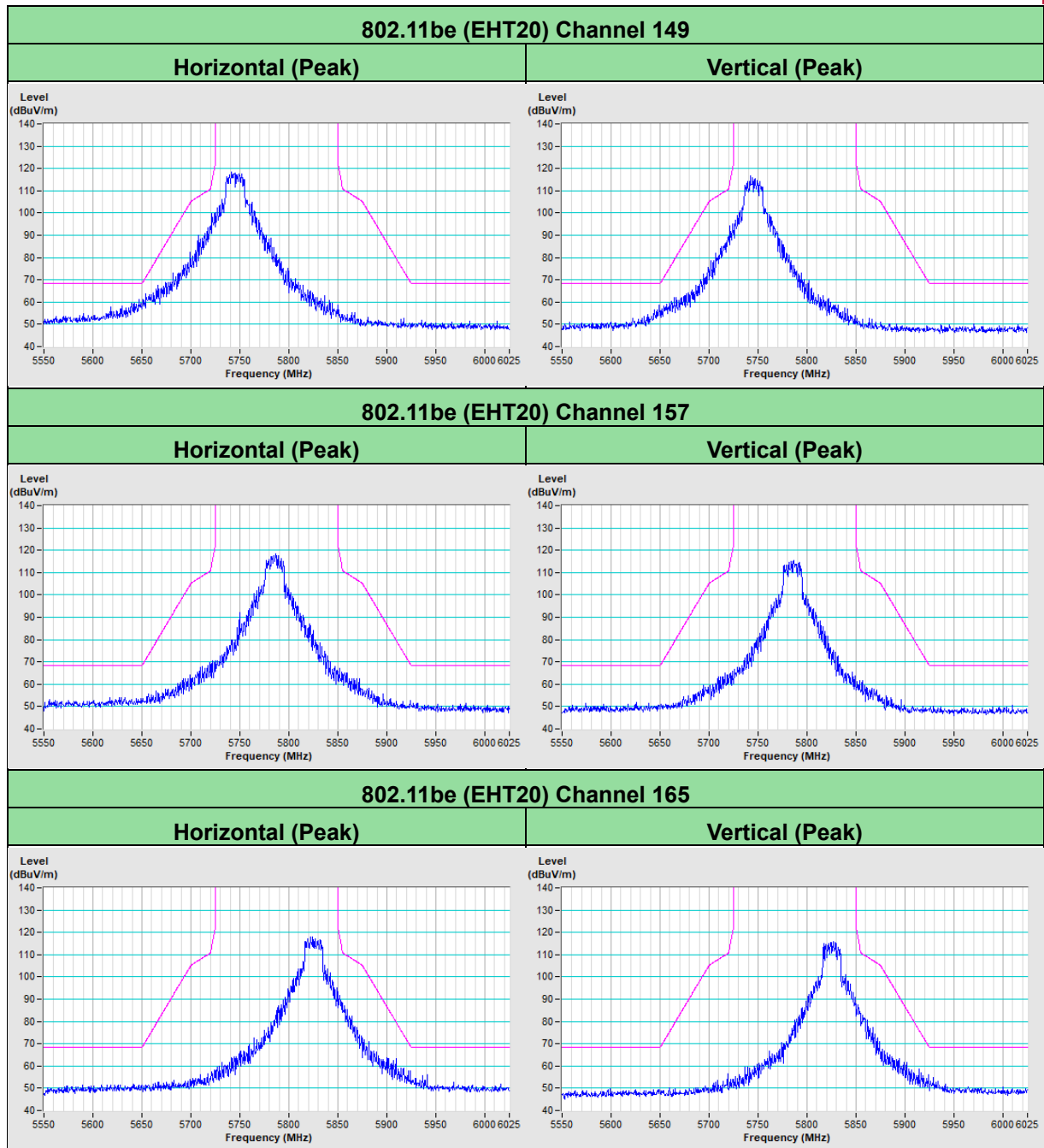


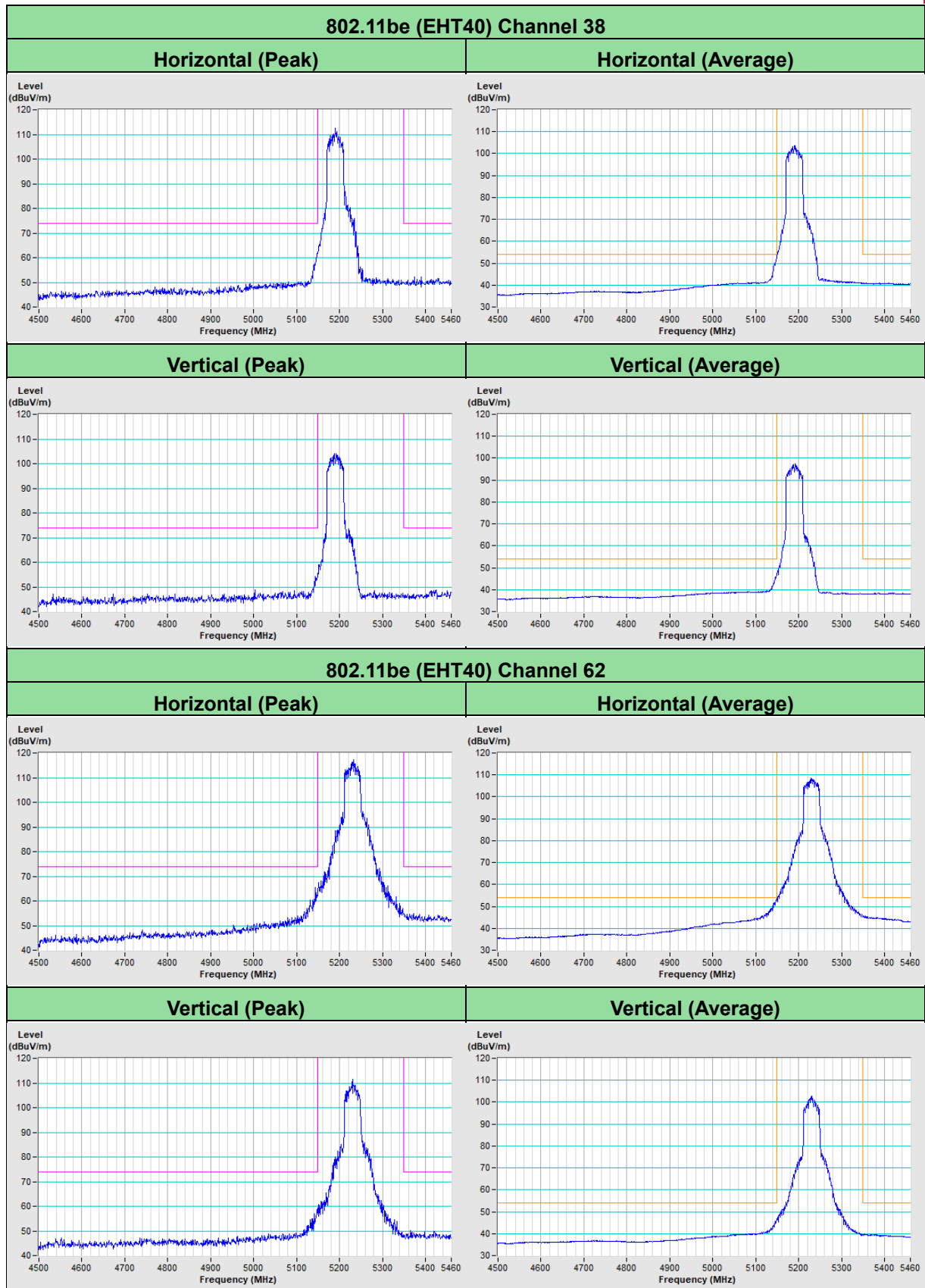


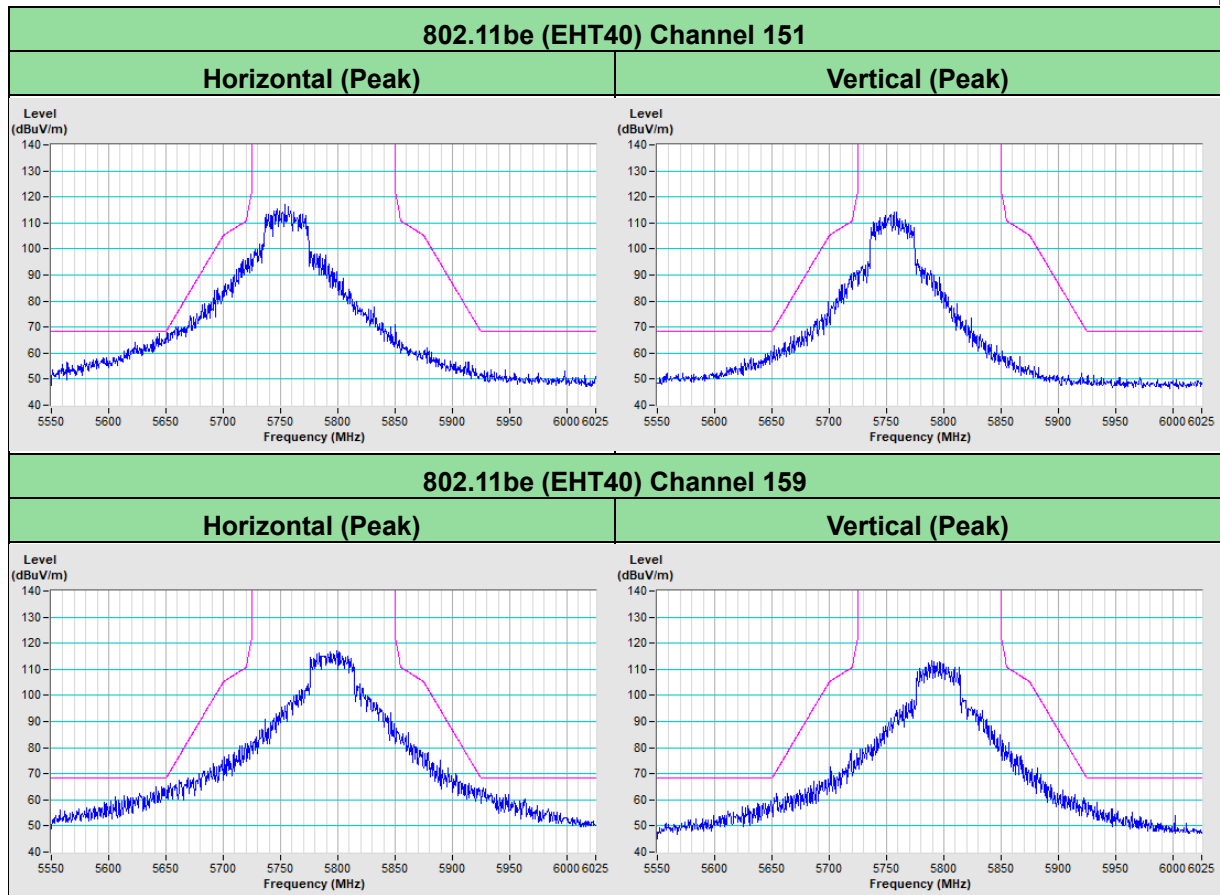


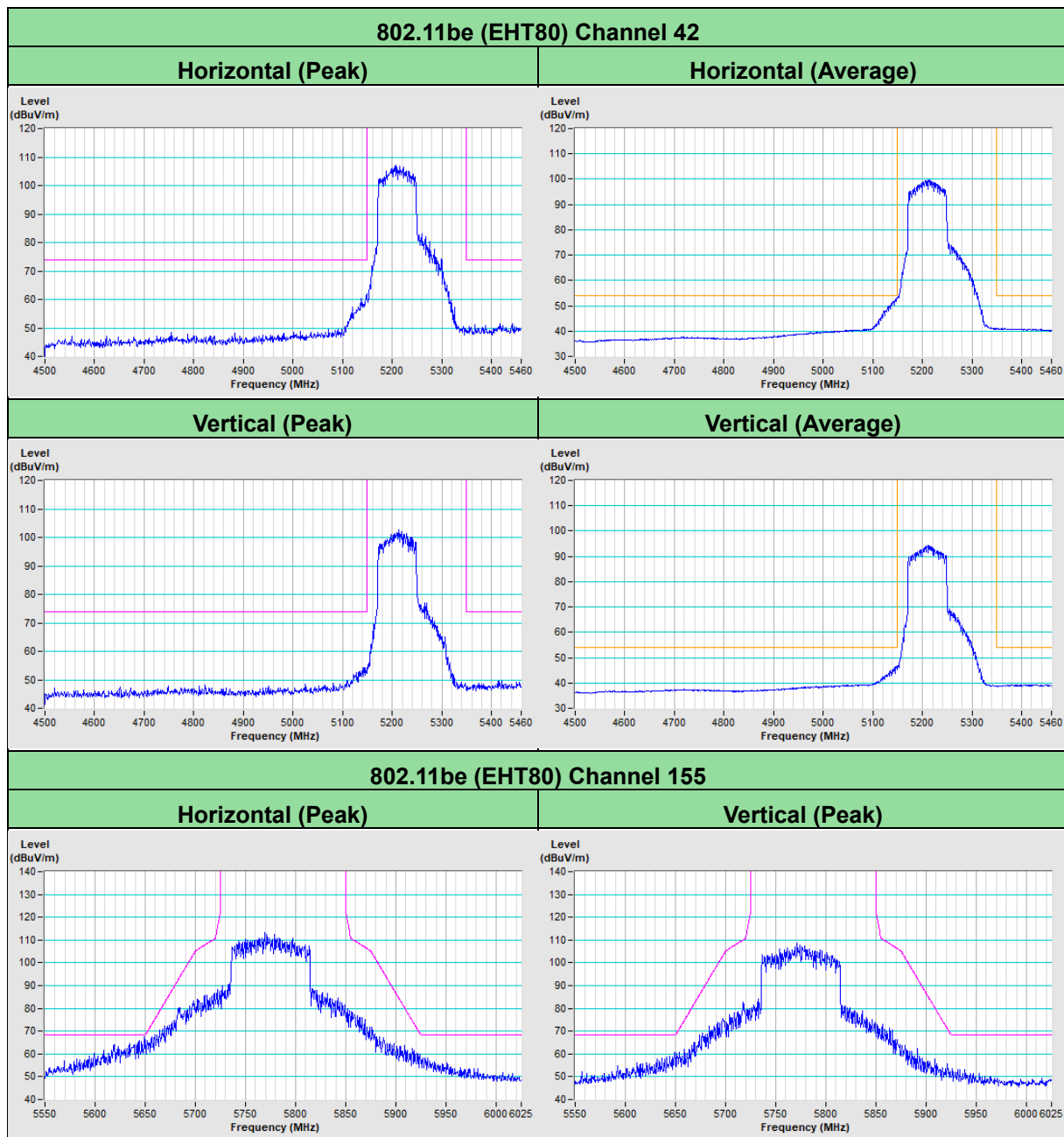












8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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Email: service.adt@bureauveritas.com

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

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

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