

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDKG-WTW-P22080047-1
FCC ID: JNZVR0034
Product: Camera and Speakerphone
Brand: Logitech
Model No.: VR0034
Received Date: 2022/8/2
Test Date: 2022/8/31 ~ 2023/3/30
Issued Date: 2023/4/21

Applicant: Logitech Far East Ltd
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____, **Date:** 2023/4/21
May Chen / Manager

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Prepared by : Luna Yu / Specialist



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Table of Contents

Release Control Record	4
1 Certificate	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Supplementary Information	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Antenna Description of EUT	8
3.3 Channel List	9
3.4 Test Mode Applicability and Tested Channel Detail	11
3.5 Duty Cycle of Test Signal	13
3.6 Test Program Used and Operation Descriptions	15
3.7 Connection Diagram of EUT and Peripheral Devices	15
3.8 Configuration of Peripheral Devices and Cable Connections	16
4 Test Instruments	17
4.1 26 dB Bandwidth	17
4.2 RF Output Power	17
4.3 Power Spectral Density	17
4.4 6 dB Bandwidth	17
4.5 Occupied Bandwidth	17
4.6 Frequency Stability	18
4.7 AC Power Conducted Emissions	18
4.8 Unwanted Emissions below 1 GHz	19
4.9 Unwanted Emissions above 1 GHz	20
5 Limits of Test Items	21
5.1 26 dB Bandwidth	21
5.2 RF Output Power	21
5.3 Power Spectral Density	21
5.4 6 dB Bandwidth	21
5.5 Occupied Bandwidth	21
5.6 Frequency Stability	22
5.7 AC Power Conducted Emissions	22
5.8 Unwanted Emissions below 1 GHz	22
5.9 Unwanted Emissions above 1 GHz	23
6 Test Arrangements	24
6.1 26 dB Bandwidth	24
6.1.1 Test Setup	24
6.1.2 Test Procedure	24
6.2 RF Output Power	25
6.2.1 Test Setup	25
6.2.2 Test Procedure	25
6.3 Power Spectral Density	26
6.3.1 Test Setup	26
6.3.2 Test Procedure	26
6.4 6 dB Bandwidth	26
6.4.1 Test Setup	26
6.4.2 Test Procedure	26
6.5 Occupied Bandwidth	27
6.5.1 Test Setup	27
6.5.2 Test Procedure	27
6.6 Frequency Stability	27
6.6.1 Test Setup	27
6.6.2 Test Procedure	27
6.7 AC Power Conducted Emissions	28



6.7.1	Test Setup	28
6.7.2	Test Procedure	28
6.8	Unwanted Emissions below 1 GHz	29
6.8.1	Test Setup	29
6.8.2	Test Procedure	30
6.9	Unwanted Emissions above 1 GHz	31
6.9.1	Test Setup	31
6.9.2	Test Procedure	31
7	Test Results of Test Item	32
7.1	26 dB Bandwidth	32
7.2	RF Output Power	36
7.3	Power Spectral Density	46
7.4	6 dB Bandwidth	52
7.5	Occupied Bandwidth	54
7.6	Frequency Stability	60
7.7	AC Power Conducted Emissions	61
7.8	Unwanted Emissions below 1 GHz	63
7.9	Unwanted Emissions above 1 GHz	65
8	Pictures of Test Arrangements	159
9	Information of the Testing Laboratories	160



Release Control Record

Issue No.	Description	Date Issued
RFBDKG-WTW-P22080047-1	Original release.	2023/4/21

1 Certificate

Product: Camera and Speakerphone

Brand: Logitech

Test Model: VR0034

Sample Status: Engineering sample

Applicant: Logitech Far East Ltd

Test Date: 2022/8/31 ~ 2023/3/30

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

Measurement ANSI C63.10-2013

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

KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	-	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(1) 15.407(a)(2) 15.407(a)(3)	Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6 dB Bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
---	Occupied Bandwidth	-	Reference only.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -18.09 dB at 28.21484 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.5 dB at 33.23 MHz
15.407(b) (1/10) 15.407(b) (2/10) 15.407(b) (3/10) 15.407(b) (4(i)/10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -4.0 dB at 5150.00 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:

Measurement	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	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 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	Camera and Speakerphone
Brand	Logitech
Test Model	VR0034
Status of EUT	Engineering sample
Power Supply Rating	Refer to Note
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: Up to 54 Mbps 802.11n: Up to 300 Mbps 802.11ac: Up to 866.7 Mbps 802.11ax: Up to 1201.0 Mbps
Operating Frequency	5.18 GHz ~ 5.24 GHz 5.26 GHz ~ 5.32 GHz 5.5 GHz ~ 5.72 GHz 5.745 GHz ~ 5.825 GHz
Number of Channel	802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12 802.11ac (VHT80), 802.11ax (HE80): 6
Output Power	5.18 GHz ~ 5.24 GHz: 92.432 mW (19.66 dBm) 5.26 GHz ~ 5.32 GHz: 109.938 mW (20.41 dBm) 5.5 GHz ~ 5.72 GHz: 133.626 mW (21.26 dBm) 5.745 GHz ~ 5.825 GHz: 393.573 mW (25.95 dBm)
EUT Category	Client device

Note:

1. The EUT uses following accessories.

Adapter		
Brand	Model	Rating
Aohai	A931-190210W-M3	Input: 100-240V, 50/60Hz, 1.2A AC input cable: Unshielded, 1m Output: 19V, 2.1A, 39.9W DC output cable: Unshielded, 1.5m, one core
HDMI cable		
Brand	Model	signal line
ELKA	502-001199	2m, Shielded
USB Type-A to Type-C cable		
Brand	Model	signal line
JEM	502-000986	2.2m, Shielded

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

3. Simultaneously transmission condition.

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

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

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna NO.	RF Chain NO.	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
WIFI 0	WF0	5.5	2.4~2.4835	Dipole	ipex(MHF)	122
		4.98	5.18~5.24			
		4.94	5.26~5.32			
		5.89	5.5~5.720			
		5.85	5.745~5.825			
WIFI 1	WF1	5.76	2.4~2.4835	Dipole	ipex(MHF)	77
		5.77	5.18~5.24			
		5.19	5.26~5.32			
		5.58	5.5~5.720			
		5.66	5.745~5.825			
Bluetooth	-	3.48	2.4~2.4835	Dipole	ipex(MHF)	87

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

2. The EUT incorporates a MIMO function:

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

Note:

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

3.3 Channel List

FOR 5180 ~ 5320 MHz

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

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

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

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

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

Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz

FOR 5500 ~ 5720 MHz

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

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

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

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

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

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

FOR 5745 ~ 5825 MHz:

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

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

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

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

Channel	Frequency
155	5775 MHz

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. 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).
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Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
26 dB Bandwidth	802.11a	52, 60, 64, 100, 116, 140, 144	BPSK	6Mb/s
	802.11ax (HE20)	52, 60, 64, 100, 116, 140, 144	BPSK	MCS0
	802.11ax (HE40)	54, 62, 102, 110, 134, 142	BPSK	MCS0
	802.11ax (HE80)	58, 106, 122, 138	BPSK	MCS0
RF Output Power	802.11a	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
	802.11ac (VHT20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ac (VHT40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ac (VHT80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
	802.11ax (HE20)	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
	802.11ax (HE40)	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
	802.11ax (HE80)	42, 58, 106, 122, 138, 155	BPSK	MCS0
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
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
Frequency Stability	802.11a	36	unmodulated	-
AC Power Conducted Emissions	802.11ax (HE40)	159	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE40)	159	BPSK	MCS0



Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
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

Note:
Partial RU (resource unit) and channel puncturing mechanisms are not supported.

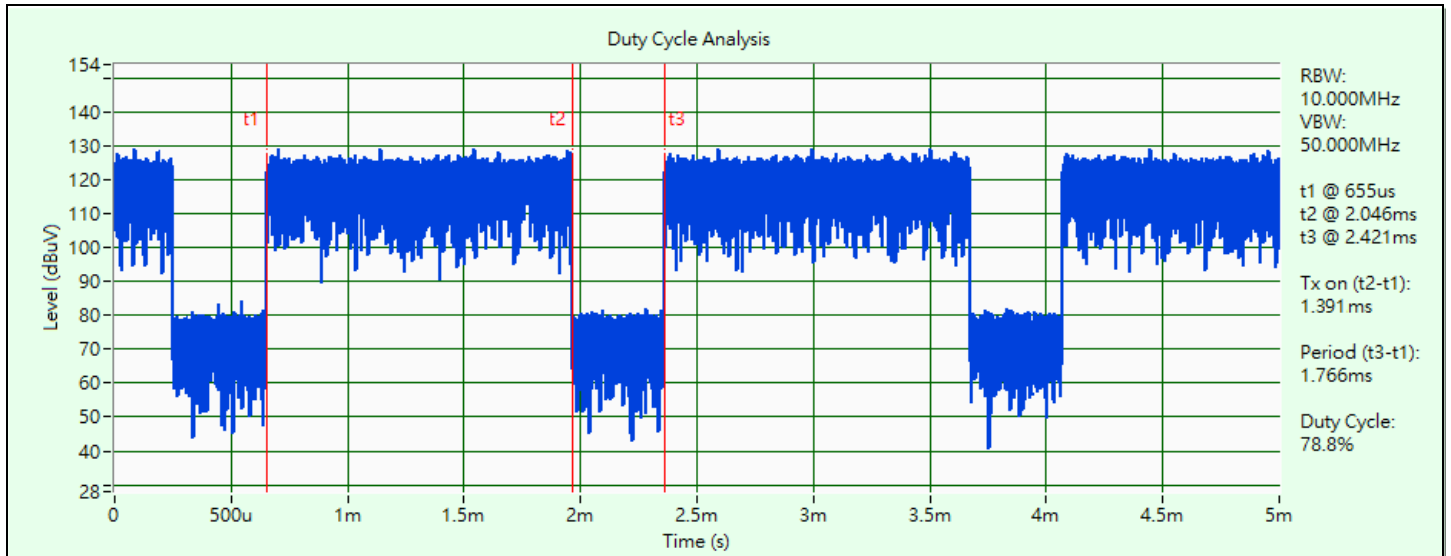
3.5 Duty Cycle of Test Signal

802.11a: Duty cycle = 1.391 ms / 1.766 ms x 100% = 78.8%, duty factor = 10 * log (1/Duty cycle) = 1.04 dB

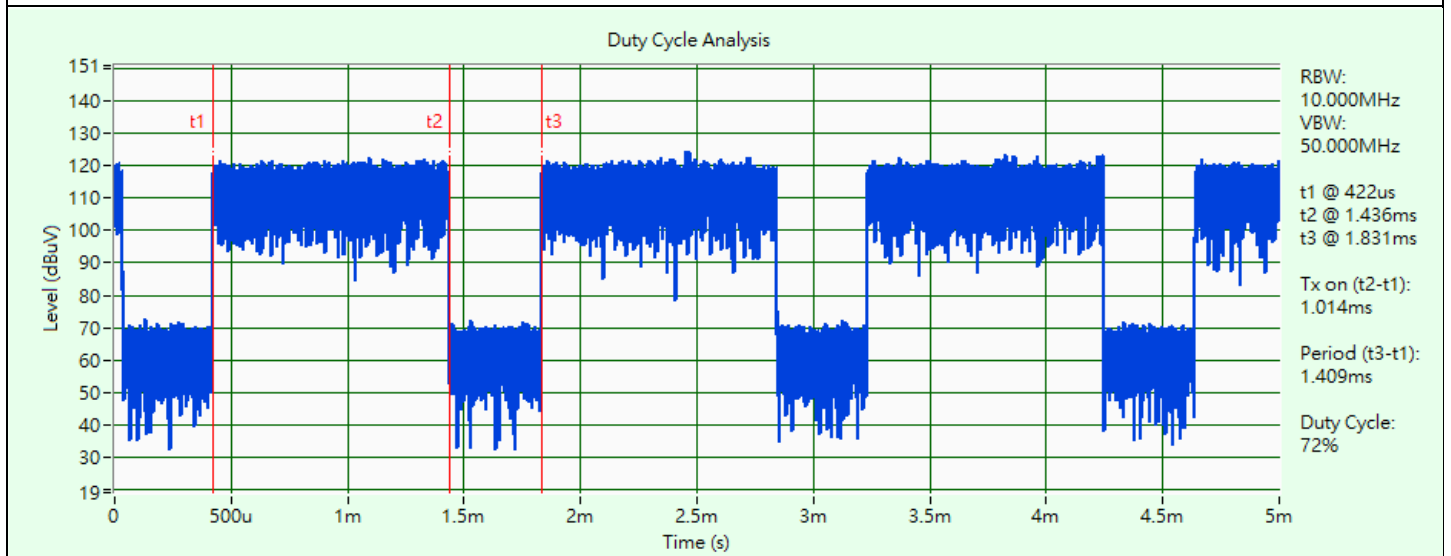
802.11ax (HE20): Duty cycle = 1.014 ms / 1.409 ms x 100% = 72.0%, duty factor = 10 * log (1/Duty cycle) = 1.43 dB

802.11ax (HE40): Duty cycle = 0.534 ms / 0.91 ms x 100% = 58.7%, duty factor = 10 * log (1/Duty cycle) = 2.32 dB

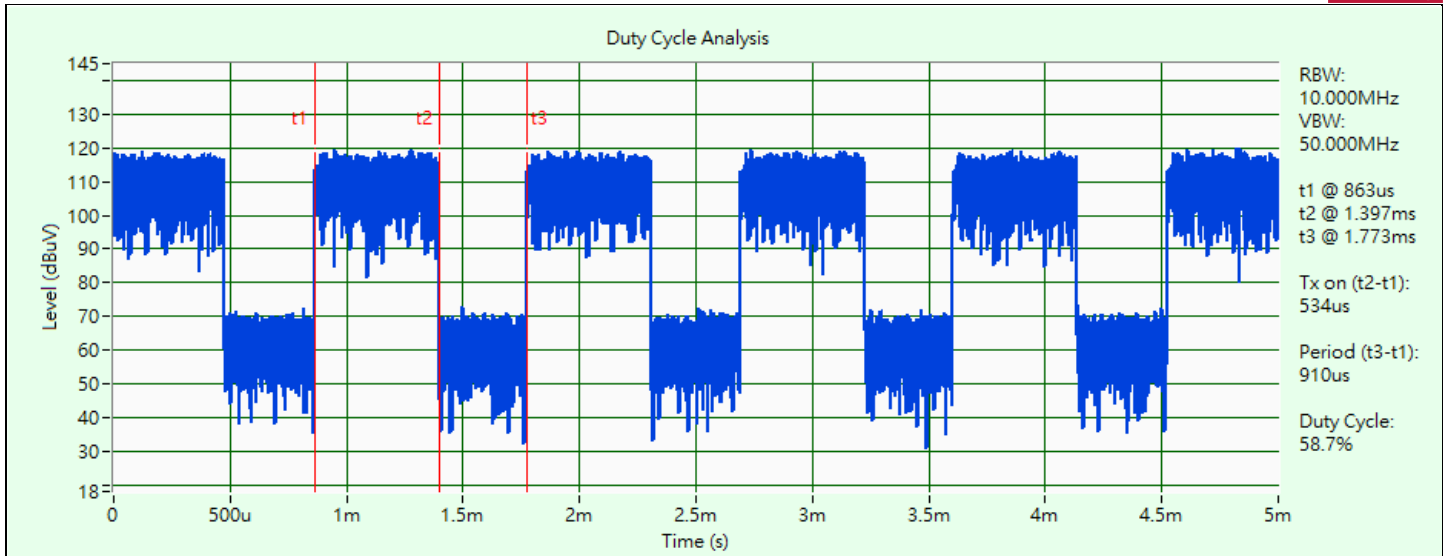
802.11ax (HE80): Duty cycle = 0.288 ms / 0.673 ms x 100% = 42.8%, duty factor = 10 * log (1/Duty cycle) = 3.69 dB



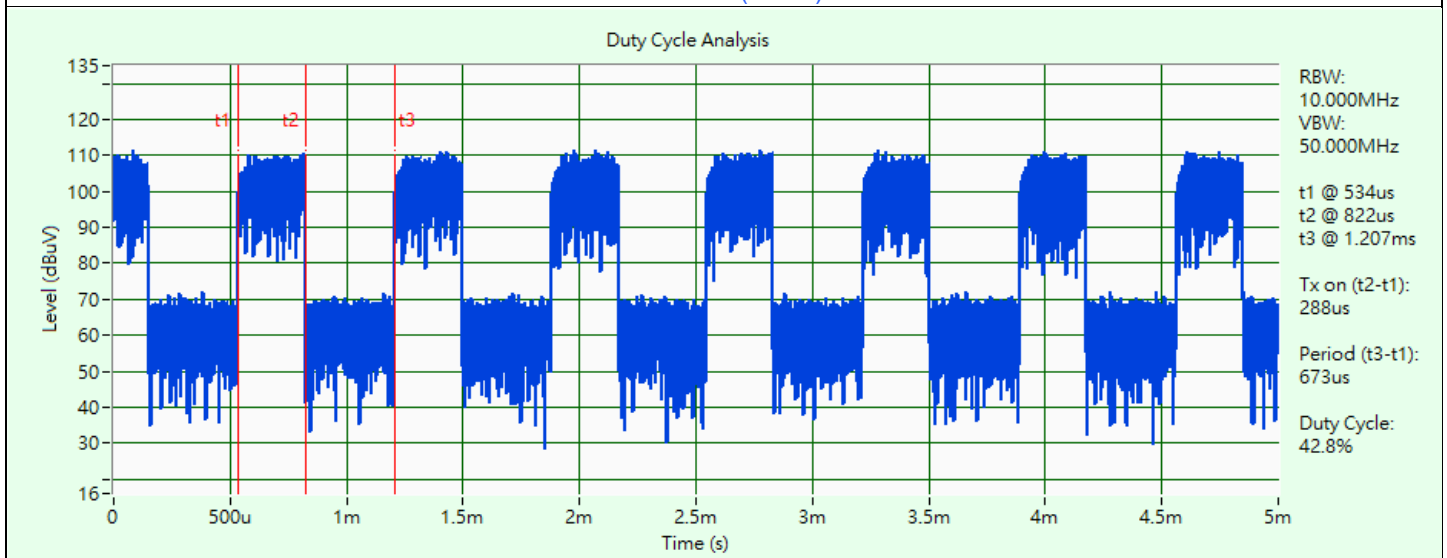
802.11a



802.11ax (HE20)



802.11ax (HE40)



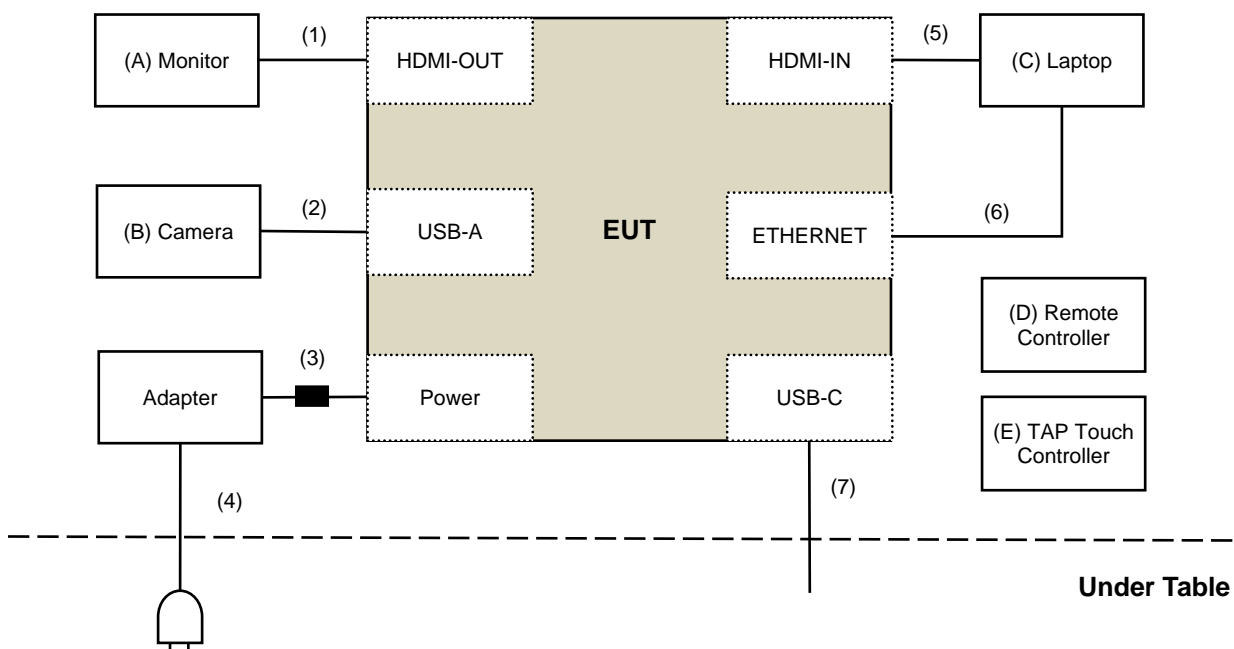
802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

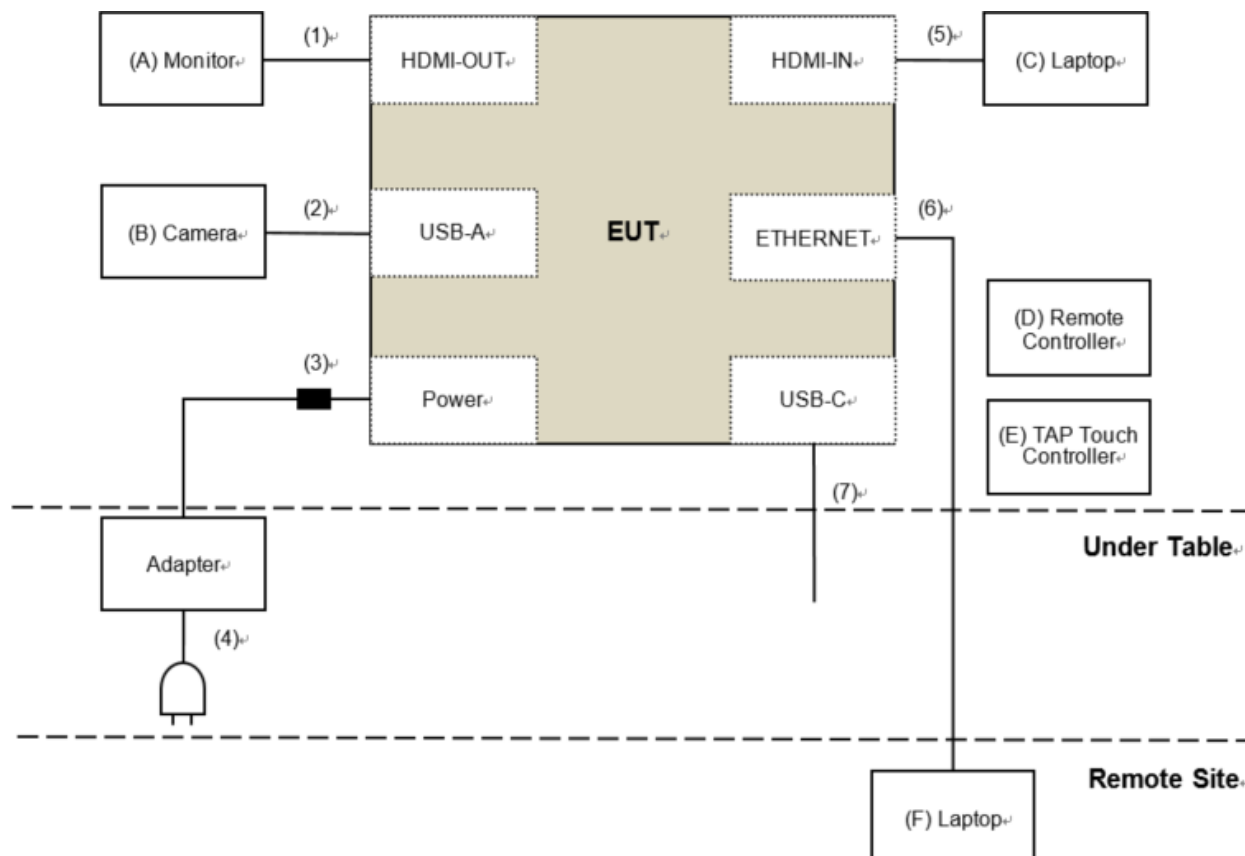
Controlling software (adb paste WIFI Command) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

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	Monitor	DELL	P2415Q	CN-0J1P7F-QDC00-85L-13GB-A09	DoC	Provided by Lab
B	Camera	Logitech	N/A	N/A	N/A	Supplied by applicant
C	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
D	Remote controller	Logitech	N/A	N/A	N/A	Supplied by applicant
E	TAP Touch Controller	Logitech	VU0053	N/A	N/A	Supplied by applicant
F	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	HDMI cable	1	2	Yes	0	Supplied by applicant
2	USB Type-A to Type-C cable	1	2.2	Yes	0	Supplied by applicant
3	DC Cable	1	1.5	No	1	Supplied by applicant
4	AC Cable	1	1	No	0	Supplied by applicant
5	HDMI cable	3	1.8	Yes	0	Provided by Lab
6	RJ45	1	10	No	0	Provided by Lab
7	USB Type A to USB Type C Cable	1	2	Yes	0	Provided by Lab

4 Test Instruments

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

4.1 26 dB Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
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 Keysight	N9020B	MY60112409	2022/3/11	2023/3/10

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/2/10

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 Keysight	N9020B	MY60112409	2022/3/11	2023/3/10

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2023/2/10

4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Source GOOD WILL	6905S	1991551	N/A	N/A
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 Keysight	N9020B	MY60112409	2022/3/11	2023/3/10
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2022/12/26	2023/12/25
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: 2023/2/10

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	N/A	EMC-01	2022/9/27	2023/9/26
Fixed attenuator STI	STI02-2200-10	005	2022/8/24	2023/8/23
LISN R&S	ESH3-Z5	848773/004	2022/10/18	2023/10/17
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2022/8/24	2023/8/23
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A
TEST RECEIVER R&S	ESCS 30	847124/029	2022/10/14	2023/10/13

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2023/3/22

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2022/9/14	2023/9/13
LOOP ANTENNA Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
Pre_Amplifier Agilent	8447D	2944A10636	2023/3/12	2024/3/11
Pre_Amplifier Mini-Circuits	ZFL-1000VH2	QA0838008	2022/10/4	2023/10/3
RF Coaxial Cable COMMATE/PEWC	8D	966-3-2	2023/2/17	2024/2/16
		966-4-1	2023/2/18	2024/2/17
		966-3-3	2023/2/17	2024/2/16
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/12/19	2023/12/18
		LOOPCAB-002	2022/12/19	2023/12/18
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer KEYSIGHT	N9030B	MY57142938	2022/4/26	2023/4/25
Test Receiver KEYSIGHT	N9038A	MY59050100	2022/6/20	2023/6/19
Trilog Broadband Antenna Schwarzbeck	VULB 9168	9168-361	2022/10/21	2023/10/20

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2023/3/30

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9170	9170-739	2021/11/14 2022/11/13	2022/11/13 2023/11/12
	BBHA9120-D	9120D-406	2021/11/14 2022/11/13	2022/11/13 2023/11/12
Pre_Amplifier EMCI	EMC12630SE	980384	2022/1/10 2022/12/28	2023/1/9 2023/12/27
	EMC184045SE	980387	2022/1/10 2022/12/28	2023/1/9 2023/12/27
RF Cable EMCI	EMC104-SM-SM-6000	210201	2022/5/10	2023/5/9
RF Cable-Frequency range: 1- 40GHz EMCI	EMC102-KM-KM-1200	160924	2022/1/10 2022/12/28	2023/1/9 2023/12/27
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2022/3/8 2023/2/20	2023/3/7 2024/2/19
	EMC104-SM-SM-1500	180504	2022/4/25	2023/4/24
	EMC104-SM-SM-2000	180601	2022/6/6	2023/6/5
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A
Spectrum Analyzer KEYSIGHT	N9030B	MY57142938	2022/4/26	2023/4/25
Test Receiver KEYSIGHT	N9038A	MY59050100	2022/6/20	2023/6/19

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2022/8/31 ~ 2023/3/10

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

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

*B is the 26 dB emission bandwidth in megahertz

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

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

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

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

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

5.3 Power Spectral Density

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

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

5.4 6 dB Bandwidth

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

5.5 Occupied Bandwidth

The results are for reference only.

5.6 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)

For transmitters operating in the 5.15-5.25 GHz band:

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

For transmitters operating in the 5.25-5.35 GHz band:

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

For transmitters operating in the 5.47-5.725 GHz band:

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

For transmitters operating in the 5.725-5.850 GHz band:

Applicable To	EIRP Limit	Equivalent Field Strength at 3 m
15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1}	PK: 68.2 (dBμV/m) ^{*1}
	PK: 10 (dBm/MHz) ^{*2}	PK: 105.2 (dBμV/m) ^{*2}
	PK: 15.6 (dBm/MHz) ^{*3}	PK: 110.8 (dBμV/m) ^{*3}
	PK: 27 (dBm/MHz) ^{*4}	PK: 122.2 (dBμV/m) ^{*4}

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

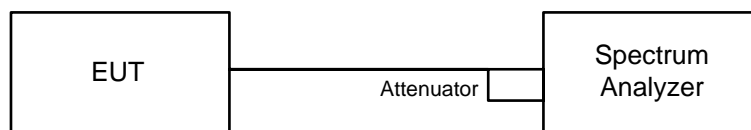
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

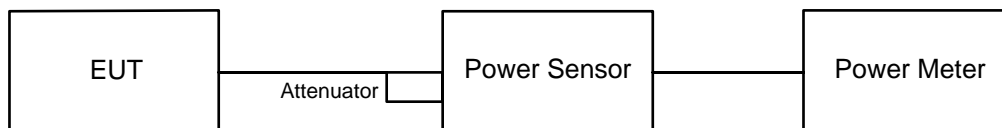


6.1.2 Test Procedure

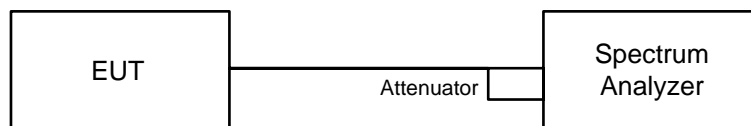
- a. Set RBW = approximately 1% of the emission bandwidth.
- b. Set the VBW > RBW.
- c. Detector = Peak.
- d. Trace mode = max hold.
- e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

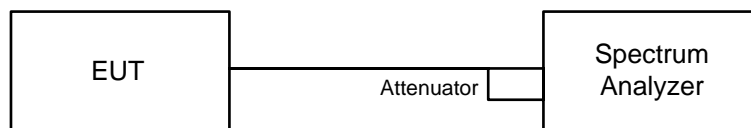
Method SA-2

- a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- b. Set RBW = 1 MHz, Set VBW \geq 3 MHz, Detector = RMS
- c. Sweep points \geq $[2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing \leq RBW / 2, so that narrowband signals are not lost between frequency bins.) Sweep time = auto, trigger set to "free run".
- d. Trace average at least 100 traces in power averaging mode.
- e. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
- f. 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 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).

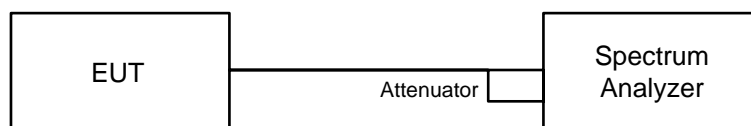
For specified measurement bandwidth 500 kHz:

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 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

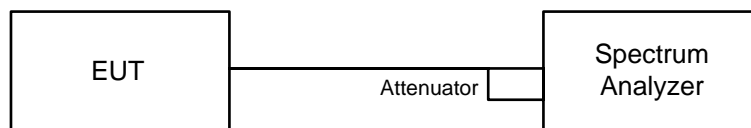


6.4.2 Test Procedure

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

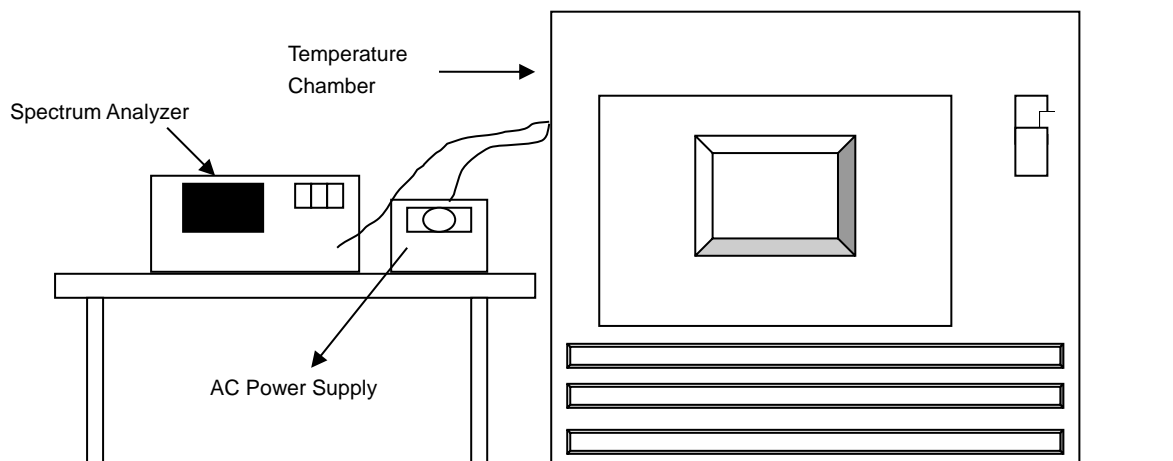


6.5.2 Test Procedure

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

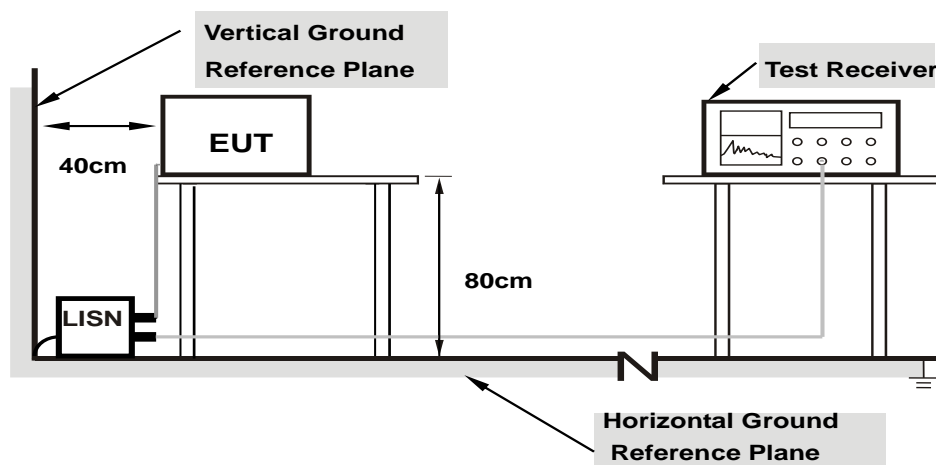


6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- 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

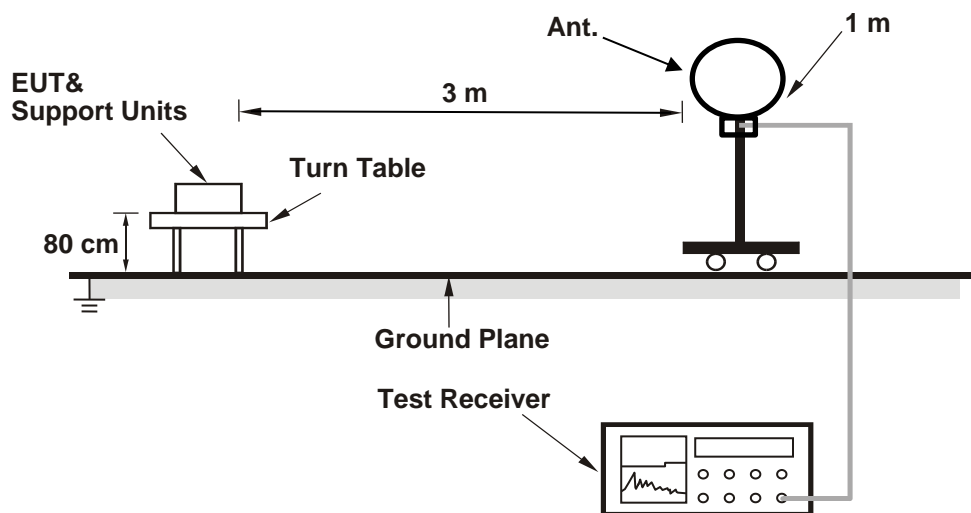
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

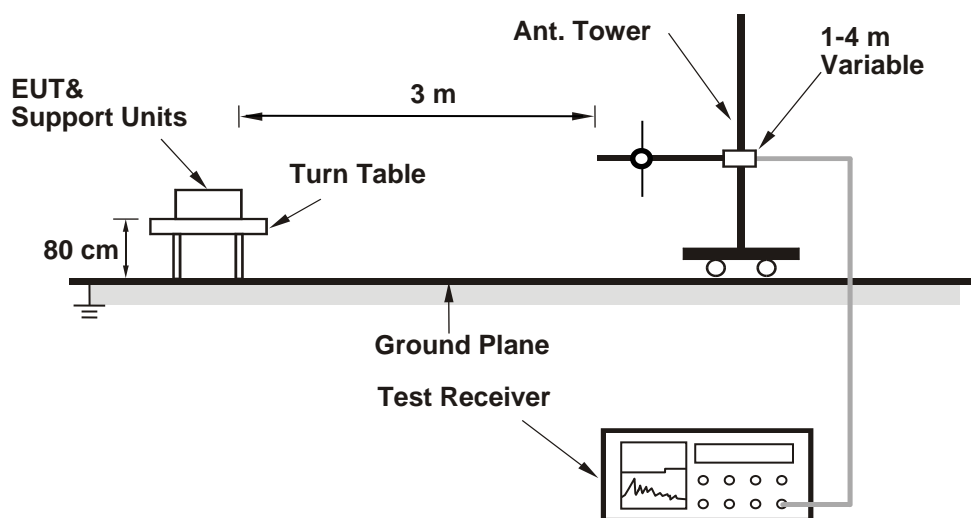
6.8 Unwanted Emissions below 1 GHz

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

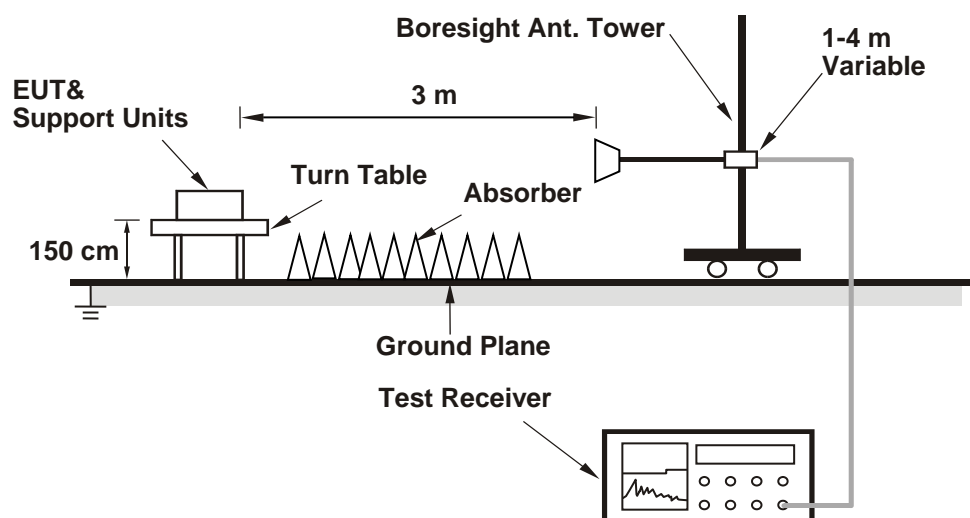
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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 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:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 61% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	26.54	24.27
60	5300	26.01	24.84
64	5320	26.19	25.41
100	5500	27.12	25.12
116	5580	26.78	24.66
140	5700	26.21	24.93
144 (U-NII-2C)	5720	18.33	16.84
144 (U-NII-3)	5720	7.61	7.15

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	24.27	24.85 > 24
60	5300	24.84	24.95 > 24
64	5320	25.41	25.05 > 24
100	5500	25.12	25 > 24
116	5580	24.66	24.91 > 24
140	5700	24.93	24.96 > 24
144 (U-NII-2C)	5720	16.84	23.26 < 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	24.38	22.13
60	5300	24.46	22.68
64	5320	28.55	28.68
100	5500	26.66	24.45
116	5580	24.09	21.95
140	5700	22.02	24.84
144 (U-NII-2C)	5720	16.03	15.86
144 (U-NII-3)	5720	5.92	6.41

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
52	5260	22.13	24.44 > 24
60	5300	22.68	24.55 > 24
64	5320	28.55	25.55 > 24
100	5500	24.45	24.88 > 24
116	5580	21.95	24.41 > 24
140	5700	22.02	24.42 > 24
144 (U-NII-2C)	5720	15.86	23 < 24

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

802.11ax (HE40)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.21	40.51
62	5310	40.28	40.34
102	5510	40.33	40.48
110	5550	40.37	40.20
134	5670	40.29	40.24
142 (U-NII-2C)	5710	35.06	35.25
142 (U-NII-3)	5710	5.15	5.12

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
54	5270	40.21	27.04 > 24
62	5310	40.28	27.05 > 24
102	5510	40.33	27.05 > 24
110	5550	40.20	27.04 > 24
134	5670	40.24	27.04 > 24
142 (U-NII-2C)	5710	35.06	26.44 > 24

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

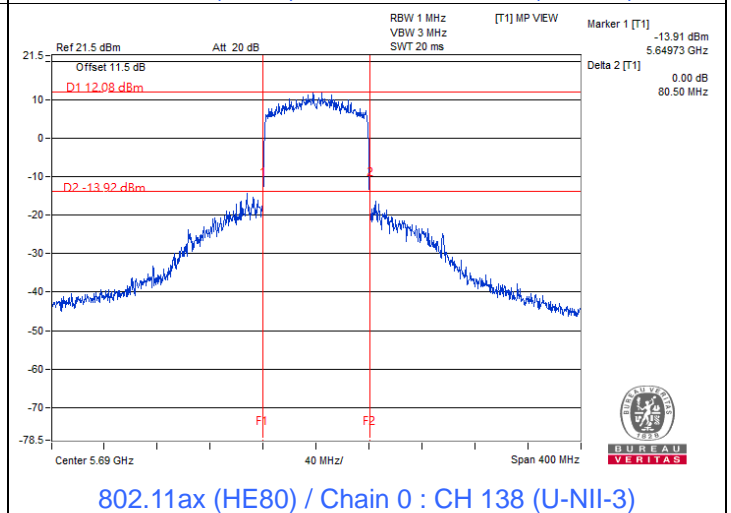
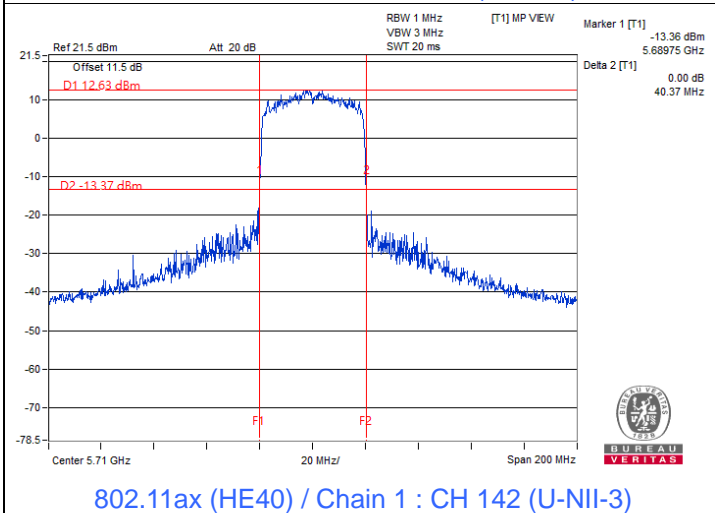
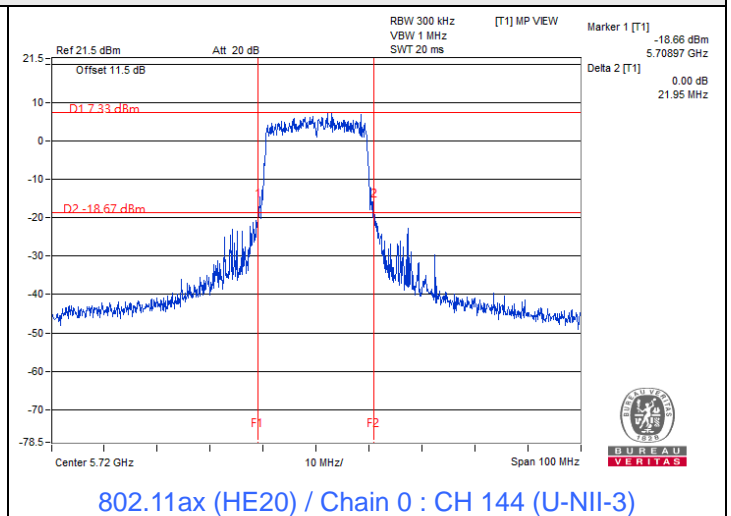
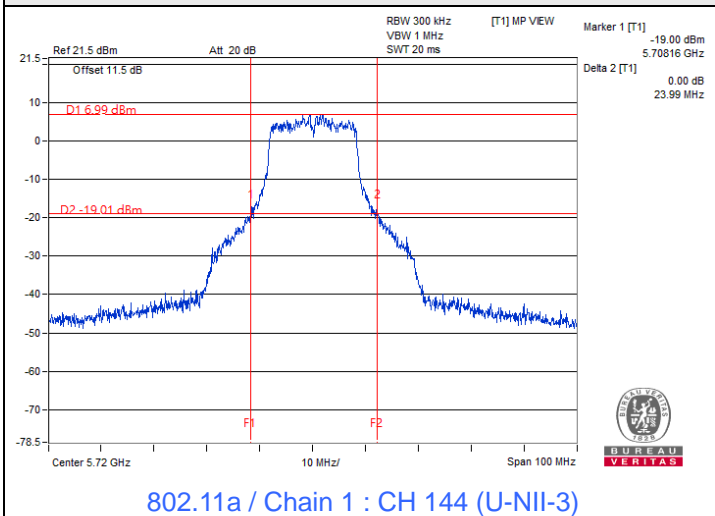
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	80.57	80.37
106	5530	80.45	80.44
122	5610	80.42	80.46
138 (U-NII-2C)	5690	75.27	75.25
138 (U-NII-3)	5690	5.23	5.29

Determined Output Power Limit			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)
58	5290	80.37	30.05 > 24
106	5530	80.44	30.05 > 24
122	5610	80.42	30.05 > 24
138 (U-NII-2C)	5690	75.25	29.76 > 24

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

Spectrum Plot of Minimum Value



Notes:

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

7.2 RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 61% 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	16.22	15.83	80.162	19.04	24	Pass
40	5200	16.12	16.10	81.664	19.12	24	Pass
48	5240	16.18	15.44	76.49	18.84	24	Pass
52	5260	15.42	15.99	74.553	18.72	24	Pass
60	5300	15.66	15.98	76.441	18.83	24	Pass
64	5320	16.02	16.07	80.452	19.06	24	Pass
100	5500	16.22	15.59	78.104	18.93	24	Pass
116	5580	15.65	16.29	79.288	18.99	24	Pass
140	5700	14.74	16.10	70.523	18.48	24	Pass
*144 (U-NII-2C)	5720	13.80	15.11	71.633	18.55	23.26	Pass
*144 (U-NII-3)	5720	7.00	8.17	14.693	11.67	30	Pass
149	5745	19.72	19.71	187.297	22.73	30	Pass
157	5785	19.73	20.58	208.26	23.19	30	Pass
165	5825	19.00	20.90	202.46	23.06	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 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.85 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	15.23	14.98	64.82	18.12	24	Pass
40	5200	15.75	15.74	75.081	18.76	24	Pass
48	5240	15.98	15.17	72.513	18.60	24	Pass
52	5260	14.87	16.18	72.186	18.58	24	Pass
60	5300	15.15	15.44	67.729	18.31	24	Pass
64	5320	14.98	15.01	63.173	18.01	24	Pass
100	5500	16.24	15.53	77.8	18.91	24	Pass
116	5580	15.38	15.79	72.446	18.60	24	Pass
140	5700	14.34	15.95	66.519	18.23	24	Pass
*144 (U-NII-2C)	5720	13.93	15.23	80.677	19.07	23	Pass
*144 (U-NII-3)	5720	8.11	9.21	20.577	13.13	30	Pass
149	5745	21.39	21.88	291.891	24.65	30	Pass
157	5785	22.39	22.67	358.307	25.54	30	Pass
165	5825	18.16	19.35	151.563	21.81	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 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.85 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	14.39	14.80	57.678	17.61	24	Pass
46	5230	16.92	16.25	91.374	19.61	24	Pass
54	5270	16.95	17.71	108.565	20.36	24	Pass
62	5310	15.59	16.29	78.784	18.96	24	Pass
102	5510	16.13	15.78	78.865	18.97	24	Pass
110	5550	17.85	17.71	119.974	20.79	24	Pass
134	5670	16.28	17.01	92.696	19.67	24	Pass
*142 (U-NII-2C)	5710	15.16	16.59	133.626	21.26	24	Pass
*142 (U-NII-3)	5710	3.61	5.25	9.621	9.83	30	Pass
151	5755	21.52	22.01	300.76	24.78	30	Pass
159	5795	22.26	23.44	389.068	25.90	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 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.85 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	10.40	10.38	21.879	13.40	24	Pass
58	5290	10.61	11.12	24.45	13.88	24	Pass
106	5530	12.88	12.19	35.967	15.56	24	Pass
122	5610	16.61	16.68	92.373	19.66	24	Pass
*138 (U-NII-2C)	5690	13.78	14.56	122.575	20.88	24	Pass
*138 (U-NII-3)	5690	2.71	3.77	9.928	9.97	30	Pass
155	5775	17.80	18.68	134.046	21.27	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 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.85 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	15.28	15.03	65.571	18.17	24	Pass
40	5200	15.80	15.79	75.95	18.81	24	Pass
48	5240	16.03	15.22	73.353	18.65	24	Pass
52	5260	14.92	16.23	73.021	18.63	24	Pass
60	5300	15.20	15.49	68.513	18.36	24	Pass
64	5320	15.03	15.06	63.905	18.06	24	Pass
100	5500	16.29	15.58	78.701	18.96	24	Pass
116	5580	15.43	15.85	73.373	18.66	24	Pass
140	5700	14.39	16.00	67.29	18.28	24	Pass
*144 (U-NII-2C)	5720	13.93	15.23	80.677	19.07	23	Pass
*144 (U-NII-3)	5720	8.11	9.21	20.577	13.13	30	Pass
149	5745	21.43	21.94	295.31	24.70	30	Pass
157	5785	22.44	22.72	362.456	25.59	30	Pass
165	5825	18.20	19.41	153.366	21.86	30	Pass

Notes:

1. * : 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.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 5.85 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	14.44	14.86	58.417	17.67	24	Pass
46	5230	16.97	16.30	92.432	19.66	24	Pass
54	5270	17.01	17.76	109.938	20.41	24	Pass
62	5310	15.63	16.34	79.612	19.01	24	Pass
102	5510	16.18	15.82	79.69	19.01	24	Pass
110	5550	17.91	17.77	121.643	20.85	24	Pass
134	5670	16.33	17.05	93.653	19.72	24	Pass
*142 (U-NII-2C)	5710	15.16	16.59	133.626	21.26	24	Pass
*142 (U-NII-3)	5710	3.61	5.25	9.621	9.83	30	Pass
151	5755	21.58	22.05	304.204	24.83	30	Pass
159	5795	22.31	23.49	393.573	25.95	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 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.85 dBi < 6 dBi, so the output power limit shall not be reduced.

802.11ax (HE80)

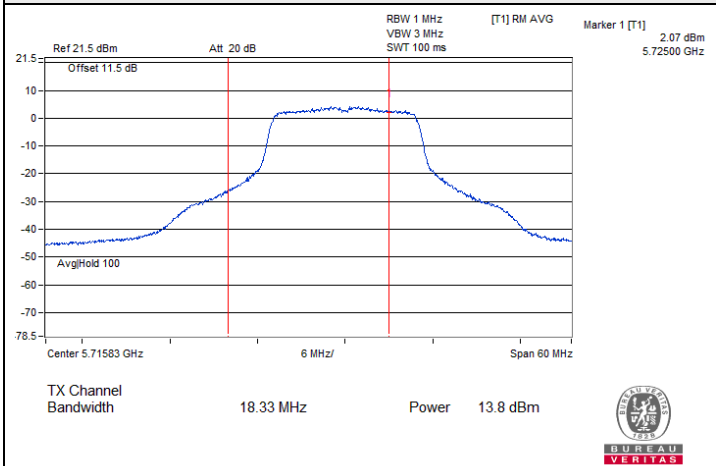
Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
42	5210	10.44	10.42	22.082	13.44	24	Pass
58	5290	10.66	11.18	24.763	13.94	24	Pass
106	5530	12.94	12.25	36.467	15.62	24	Pass
122	5610	16.65	16.73	93.336	19.70	24	Pass
*138 (U-NII-2C)	5690	13.78	14.56	122.575	20.88	24	Pass
*138 (U-NII-3)	5690	2.71	3.77	9.928	9.97	30	Pass
155	5775	17.85	18.72	135.427	21.32	30	Pass

Notes:

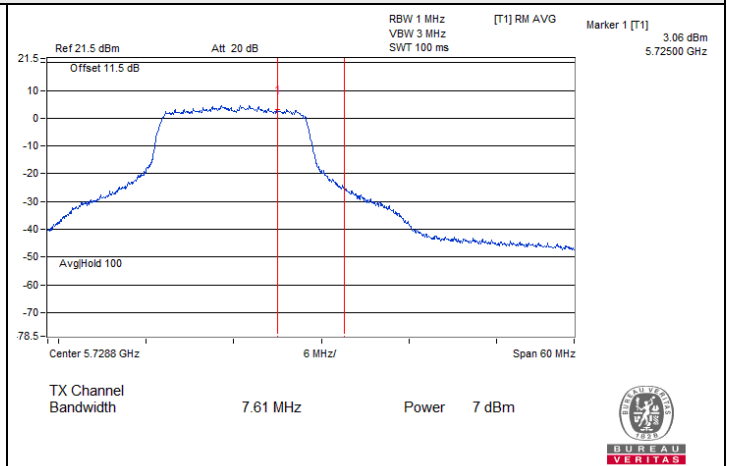
- * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-2 and use spectrum analyzer test , the duty factor was included in the total power.
- Directional gain is the maximum gain of antennas.
- For U-NII-1, the maximum gain is 5.77 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2A, the maximum gain is 5.19 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-2C, the maximum gain is 5.89 dBi < 6 dBi, so the output power limit shall not be reduced.
- For U-NII-3, the maximum gain is 5.85 dBi < 6 dBi, so the output power limit shall not be reduced.



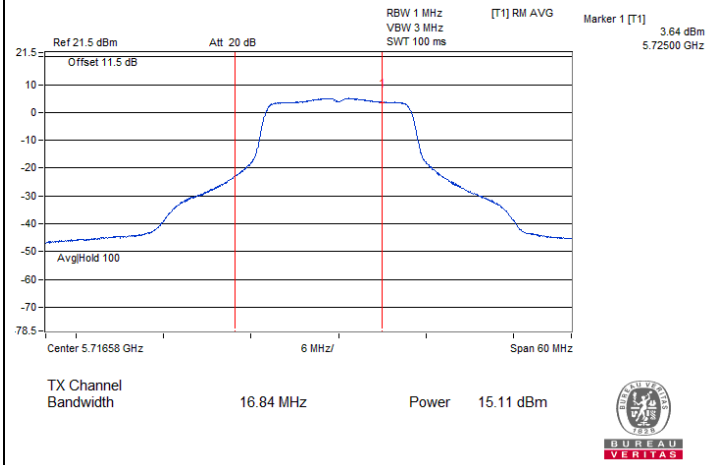
Spectrum Plot for channel straddling



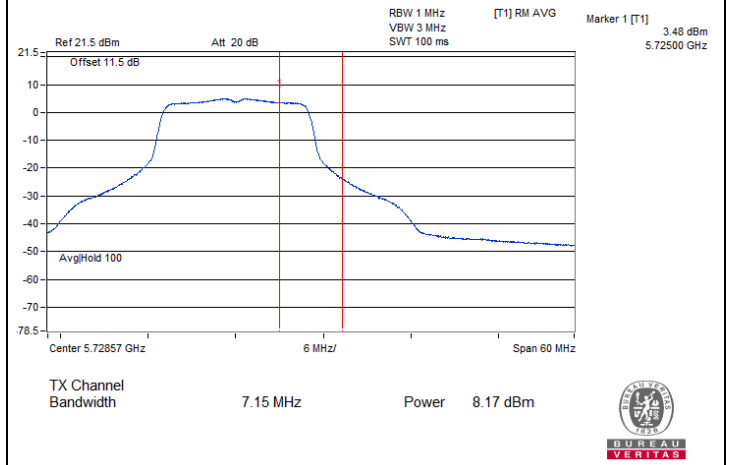
802.11a / Chain 0 : CH 144 (U-NII-2C)



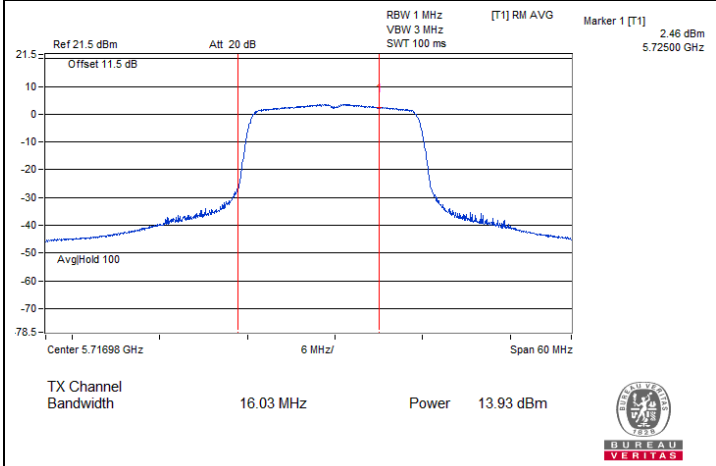
802.11a / Chain 0 : CH 144 (U-NII-3)



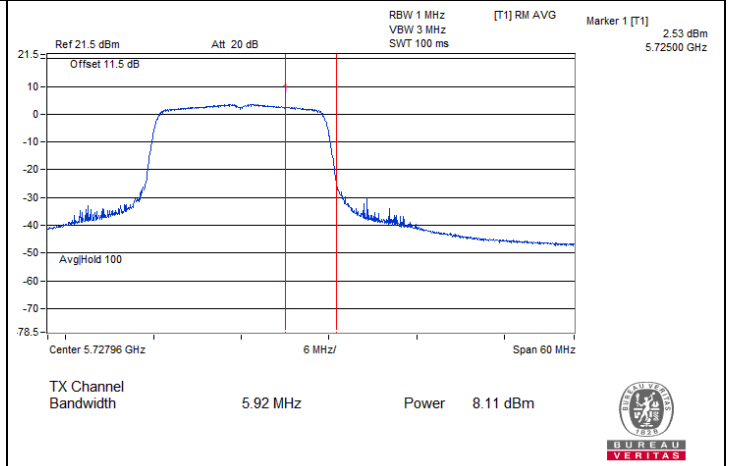
802.11a / Chain 1 : CH 144 (U-NII-2C)



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



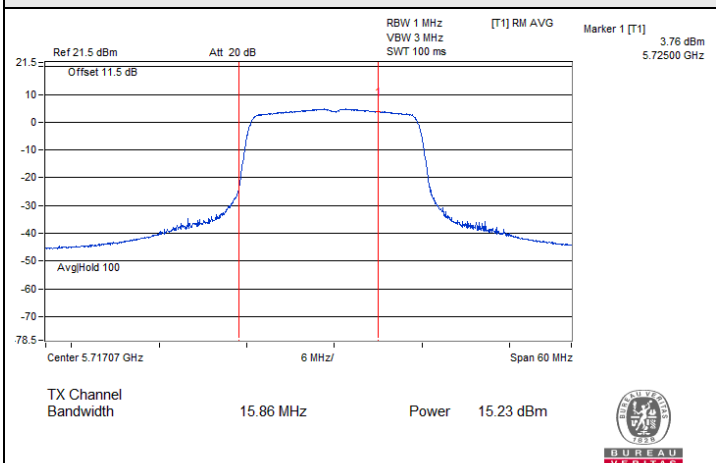
802.11ac (VHT20) / Chain 0 : CH 144 (U-NII-2C)



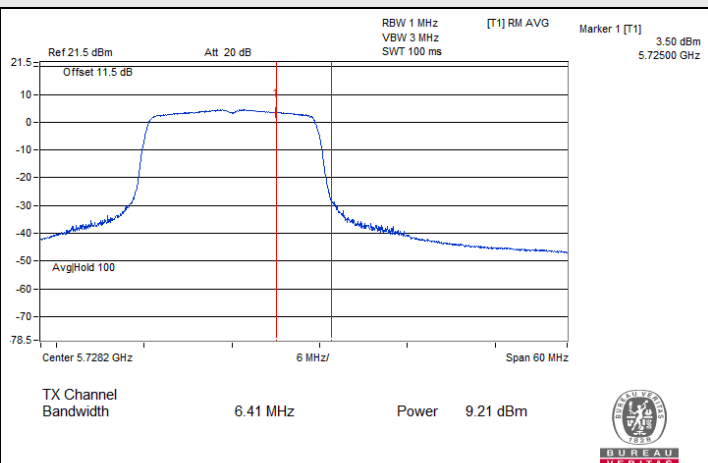
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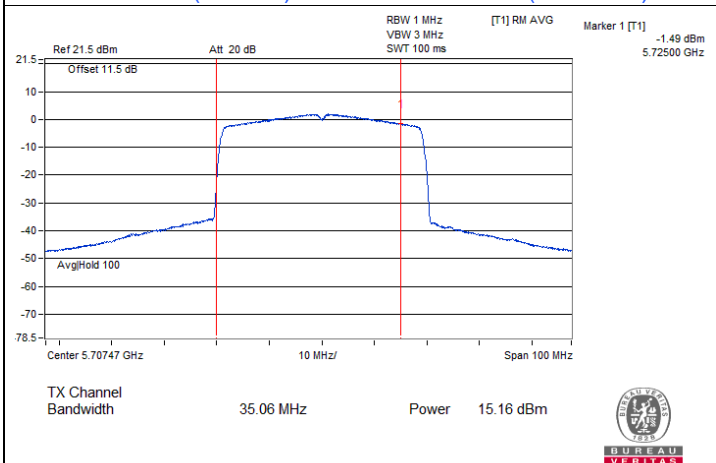
Spectrum Plot for channel straddling



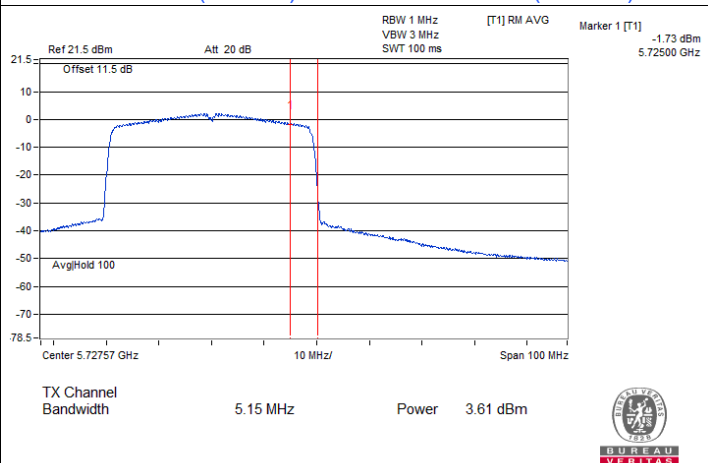
802.11ac (VHT20) / Chain 1 : CH 144 (U-NII-2C)



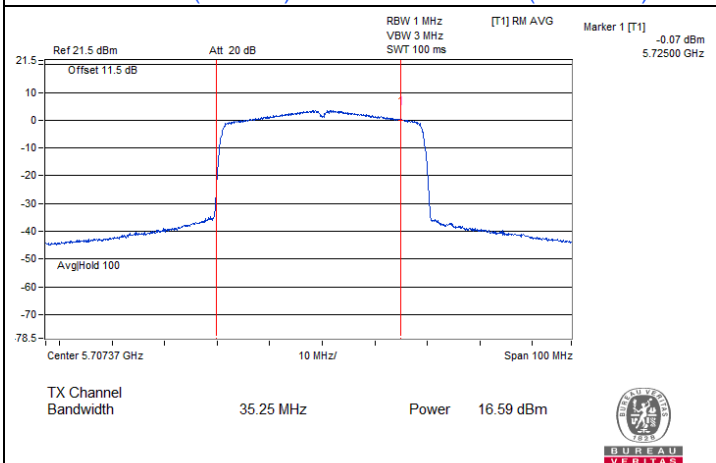
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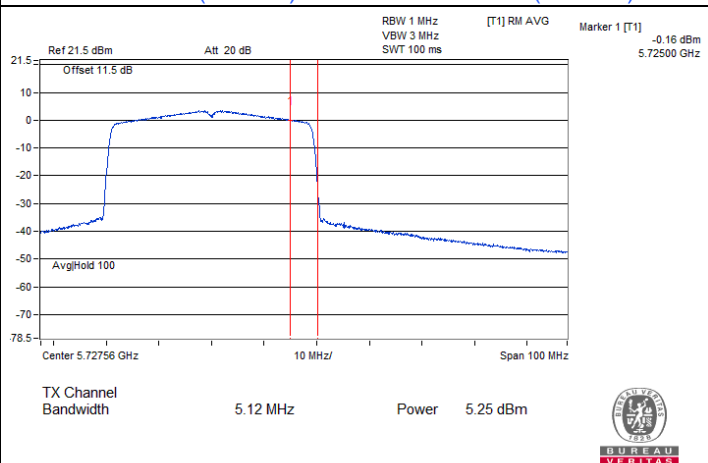
802.11ac (VHT40) / Chain 0 : CH 142 (U-NII-2C)



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



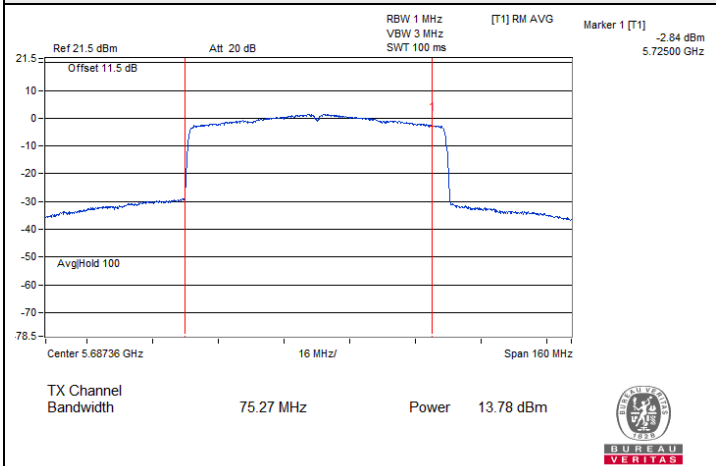
802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-2C)



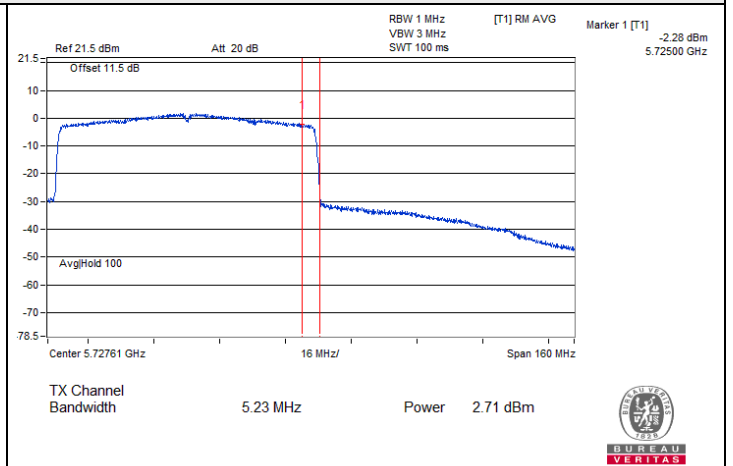
802.11ac (VHT40) / Chain 1 : CH 142 (U-NII-3)



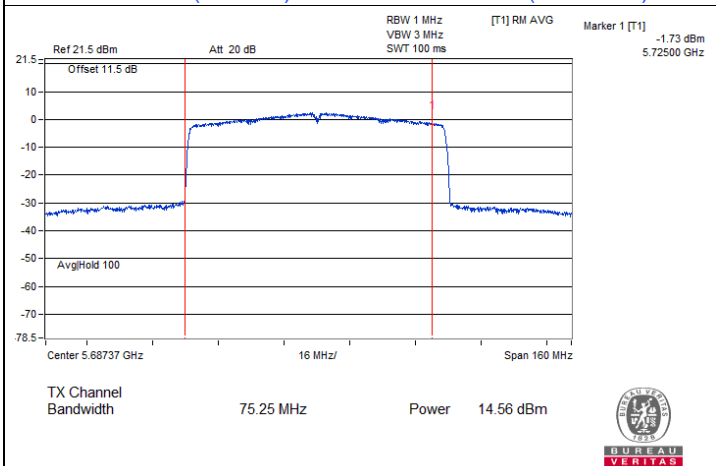
Spectrum Plot for channel straddling



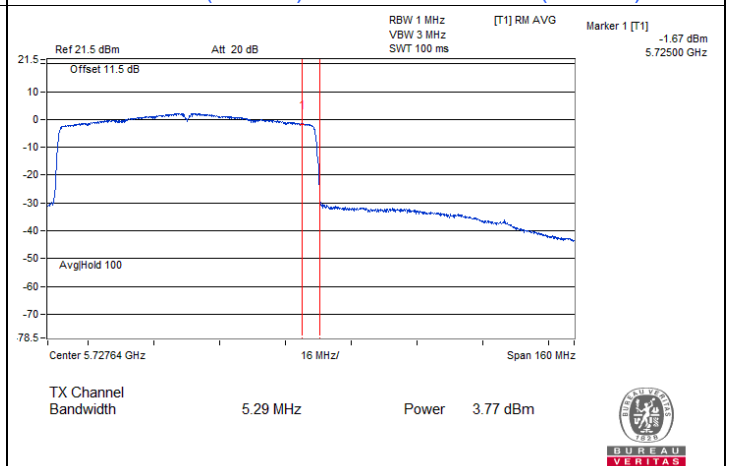
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-2C)



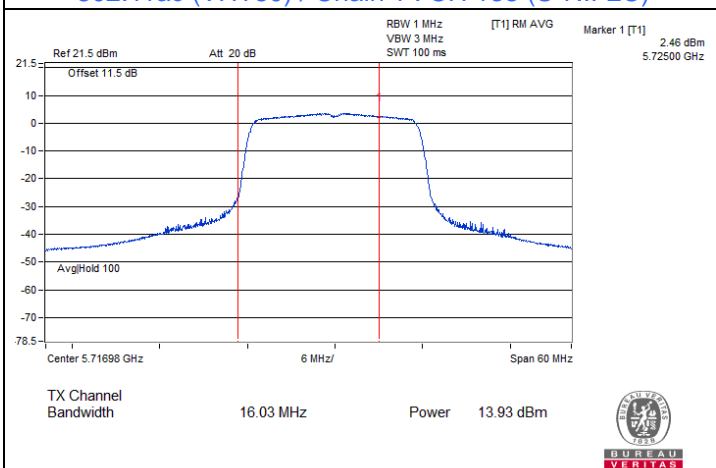
802.11ac (VHT80) / Chain 0 : CH 138 (U-NII-3)



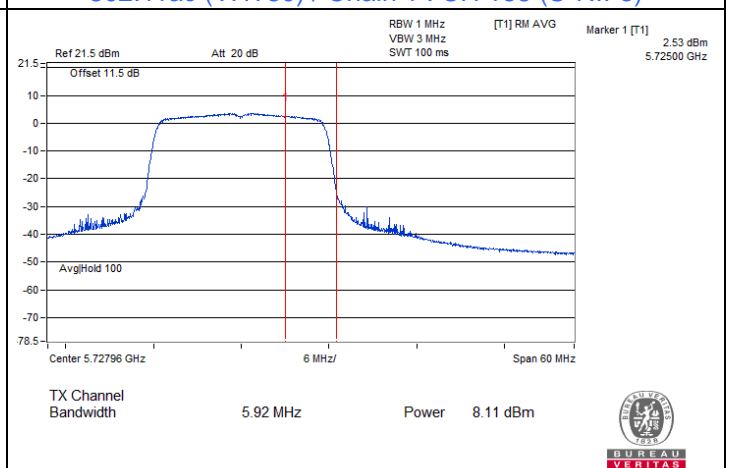
802.11ac (VHT80) / Chain 1 : CH 138 (U-NII-2C)



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



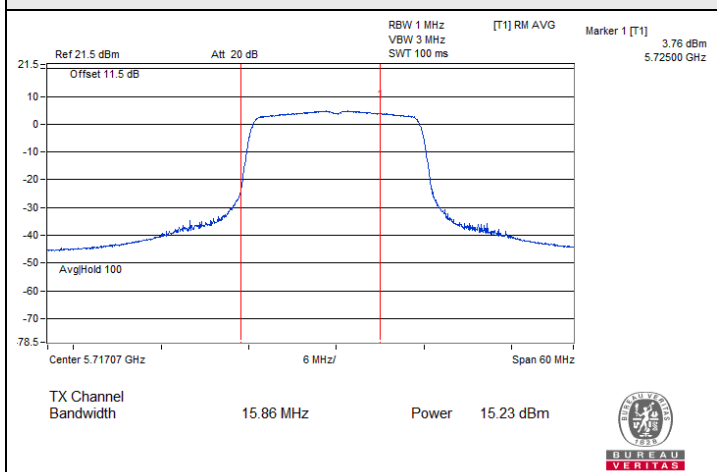
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-2C)



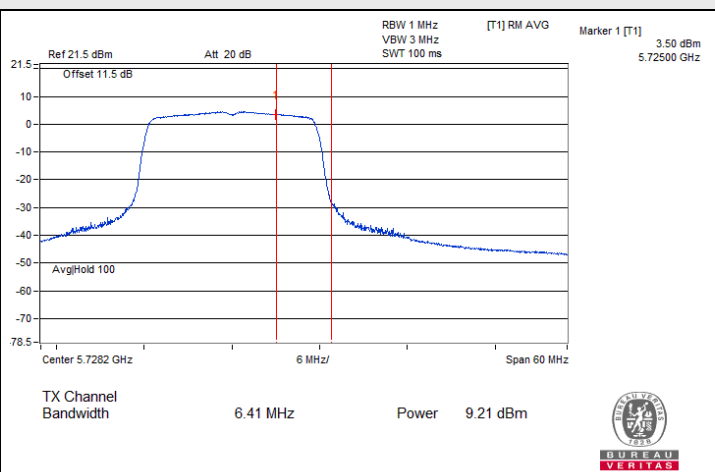
802.11ax (HE20) / Chain 0 : CH 144 (U-NII-3)



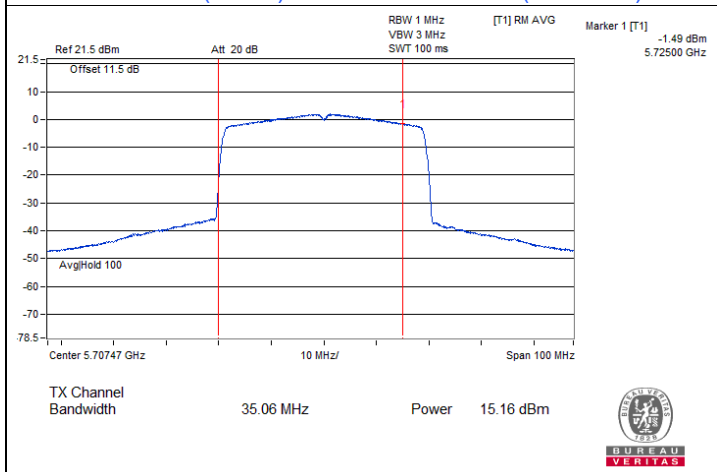
Spectrum Plot for channel straddling



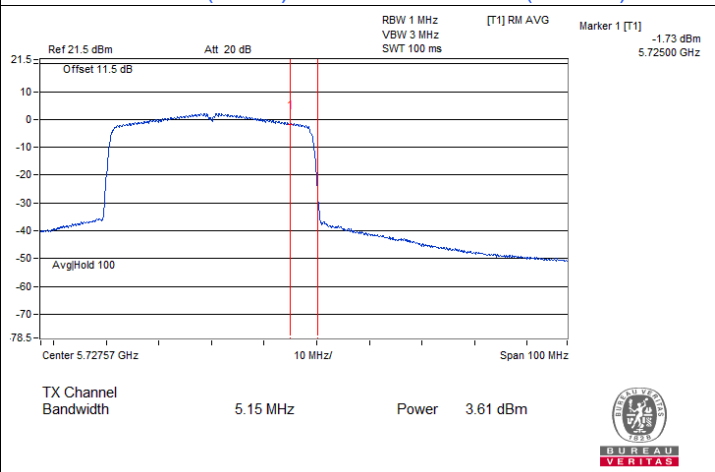
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-2C)



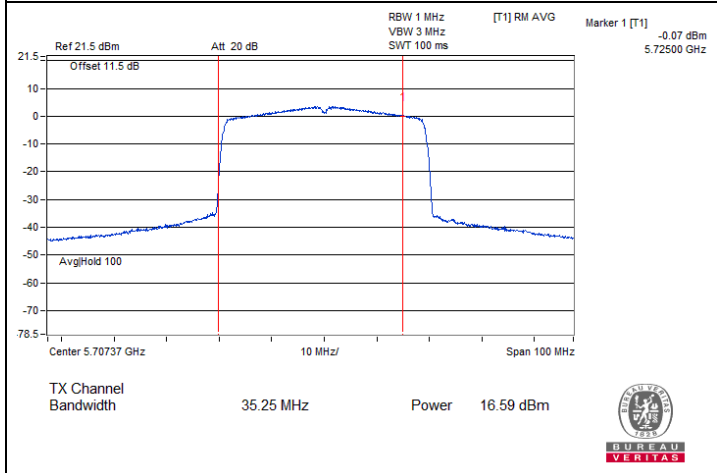
802.11ax (HE20) / Chain 1 : CH 144 (U-NII-3)



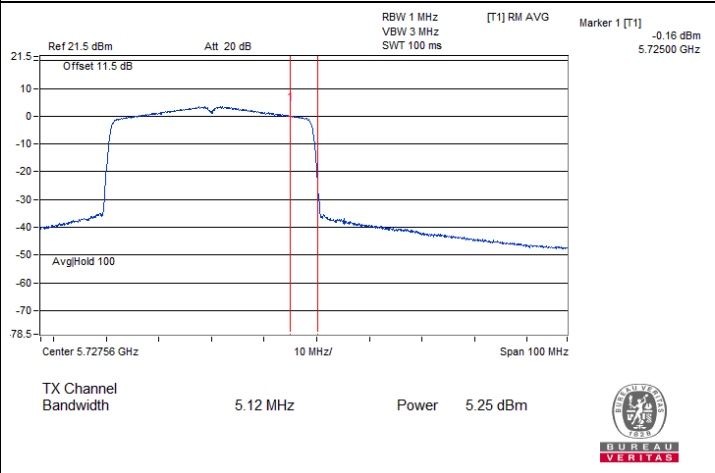
802.11ax (HE40) / Chain 0 : CH 142 (U-NII-2C)



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



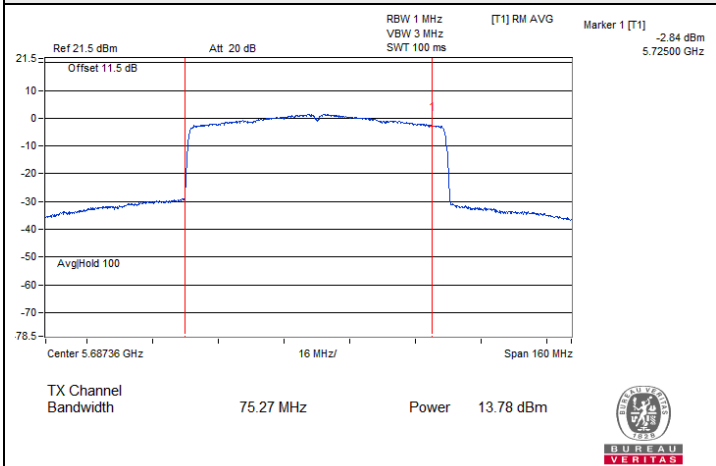
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)



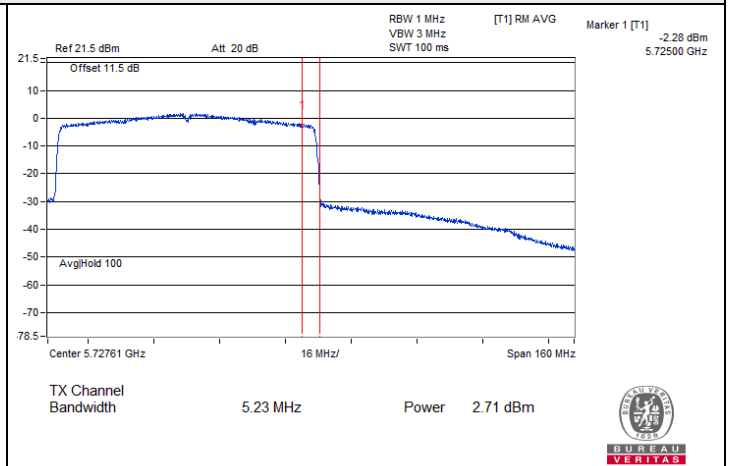
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)



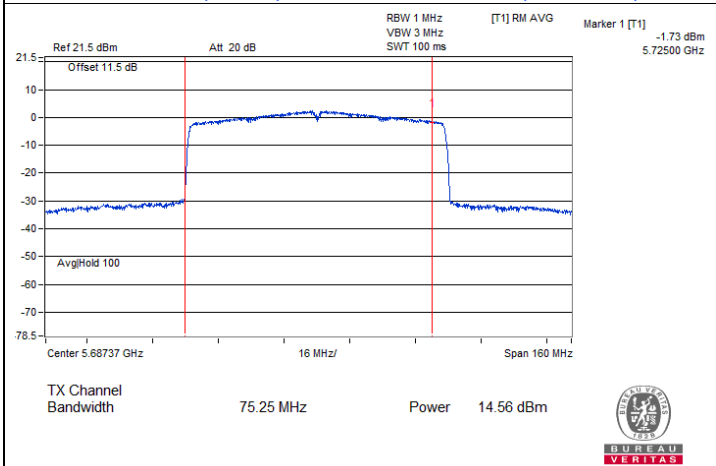
Spectrum Plot for channel straddling



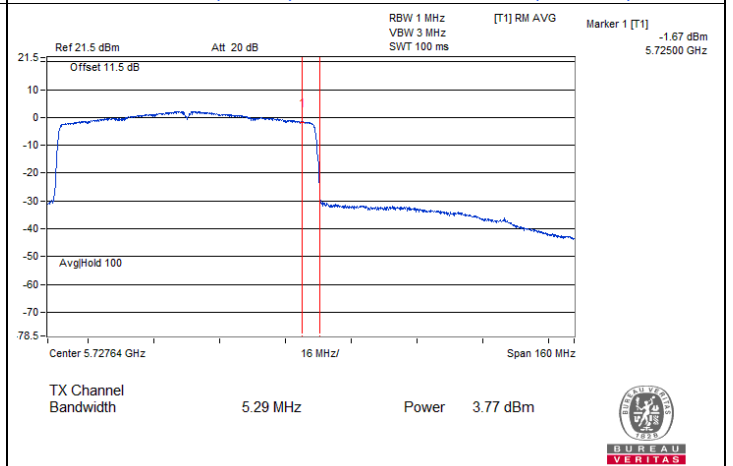
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)



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



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



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

7.3 Power Spectral Density

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 61% 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	1.87	2.16	1.04	6.07	8.61	Pass
40	5200	1.81	2.28	1.04	6.10	8.61	Pass
48	5240	2.13	1.51	1.04	5.88	8.61	Pass
52	5260	1.31	2.60	1.04	6.05	8.92	Pass
60	5300	1.66	2.39	1.04	6.09	8.92	Pass
64	5320	1.74	2.15	1.04	6.00	8.92	Pass
100	5500	1.97	1.58	1.04	5.83	8.25	Pass
116	5580	1.78	2.23	1.04	6.06	8.25	Pass
140	5700	1.25	2.01	1.04	5.70	8.25	Pass
144 (U-NII-2C)	5720	1.19	2.80	1.04	6.12	8.25	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 8.39 dBi > 6dBi, so the power density limit shall be reduced to $11-(8.39-6) = 8.61$ dBm/MHz.
- For U-NII-2A, the directional gain is 8.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.08-6) = 8.92$ dBm/MHz.
- For U-NII-2C, the directional gain is 8.75 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.75-6) = 8.25$ 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	1.34	1.39	1.43	5.81	8.61	Pass
40	5200	1.52	1.63	1.43	6.02	8.61	Pass
48	5240	1.54	1.58	1.43	6.00	8.61	Pass
52	5260	1.50	1.73	1.43	6.06	8.92	Pass
60	5300	1.76	1.61	1.43	6.13	8.92	Pass
64	5320	0.99	1.82	1.43	5.87	8.92	Pass
100	5500	2.18	1.11	1.43	6.12	8.25	Pass
116	5580	1.38	1.94	1.43	6.11	8.25	Pass
140	5700	1.08	2.02	1.43	6.02	8.25	Pass
144 (U-NII-2C)	5720	0.89	2.26	1.43	6.07	8.25	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 8.39 dBi > 6dBi, so the power density limit shall be reduced to $11-(8.39-6) = 8.61$ dBm/MHz.
- For U-NII-2A, the directional gain is 8.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.08-6) = 8.92$ dBm/MHz.
- For U-NII-2C, the directional gain is 8.75 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.75-6) = 8.25$ 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	-2.62	-2.09	2.32	2.98	8.61	Pass
46	5230	0.45	-0.80	2.32	5.20	8.61	Pass
54	5270	-0.12	0.92	2.32	5.76	8.92	Pass
62	5310	-1.32	-0.40	2.32	4.49	8.92	Pass
102	5510	-0.34	-1.92	2.32	4.27	8.25	Pass
110	5550	1.77	-1.18	2.32	5.87	8.25	Pass
134	5670	-0.55	1.09	2.32	5.68	8.25	Pass
142 (U-NII-2C)	5710	-1.47	0.66	2.32	5.05	8.25	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 8.39 dBi > 6dBi, so the power density limit shall be reduced to $11-(8.39-6) = 8.61$ dBm/MHz.
- For U-NII-2A, the directional gain is 8.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.08-6) = 8.92$ dBm/MHz.
- For U-NII-2C, the directional gain is 8.75 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.75-6) = 8.25$ 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	-11.23	-10.23	3.69	-4.00	8.61	Pass
58	5290	-9.65	-10.21	3.69	-3.22	8.92	Pass
106	5530	-8.67	-7.49	3.69	-1.34	8.25	Pass
122	5610	-4.65	-4.66	3.69	2.05	8.25	Pass
138 (U-NII-2C)	5690	-1.37	-0.73	3.69	5.66	8.25	Pass

Notes:

- Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-1, the directional gain is 8.39 dBi > 6dBi, so the power density limit shall be reduced to $11-(8.39-6) = 8.61$ dBm/MHz.
- For U-NII-2A, the directional gain is 8.08 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.08-6) = 8.92$ dBm/MHz.
- For U-NII-2C, the directional gain is 8.75 dBi > 6 dBi, so the power density limit shall be reduced to $11-(8.75-6) = 8.25$ 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	-5.47	-3.64	-1.45	1.04	1.81	27.23	Pass
149	5745	0.42	1.28	3.88	1.04	7.14	27.23	Pass
157	5785	0.31	1.15	3.76	1.04	7.02	27.23	Pass
165	5825	-0.94	1.37	3.38	1.04	6.64	27.23	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 8.77 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.77 - 6) = 27.23$ 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	-5.18	-4.07	-1.58	1.43	2.07	27.23	Pass
149	5745	1.98	1.91	4.96	1.43	8.61	27.23	Pass
157	5785	3.15	3.44	6.31	1.43	9.96	27.23	Pass
165	5825	-1.08	-0.05	2.48	1.43	6.13	27.23	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 8.77 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.77 - 6) = 27.23$ 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	-9.70	-7.49	-5.45	2.32	-0.91	27.23	Pass
151	5755	-0.56	-0.05	2.71	2.32	7.25	27.23	Pass
159	5795	0.25	1.62	4	2.32	8.54	27.23	Pass

Notes:

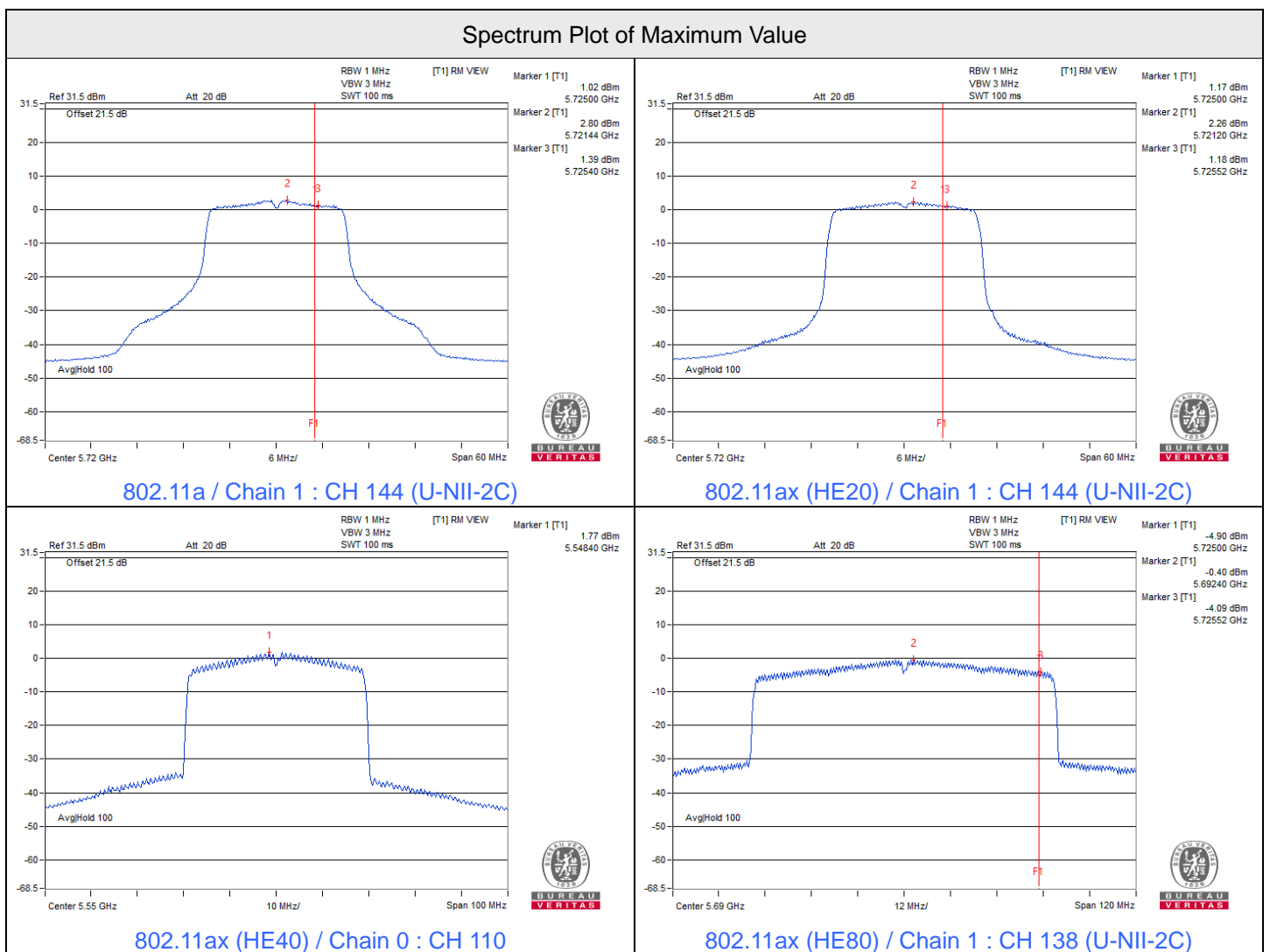
- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 8.77 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.77 - 6) = 27.23$ 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	-9.89	-9.15	-6.49	3.69	-0.58	27.23	Pass
155	5775	-8.18	-8.60	-5.37	3.69	0.54	27.23	Pass

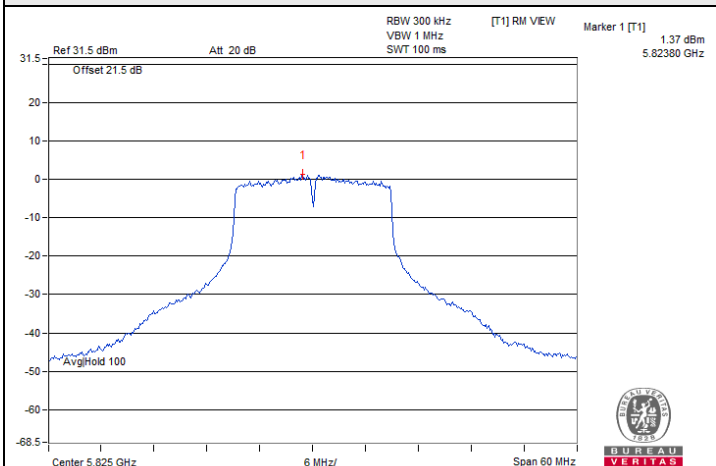
Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
- For U-NII-3, the directional gain is 8.77 dBi > 6 dBi, so the power density limit shall be reduced to $30 - (8.77 - 6) = 27.23 \text{ dBm/500kHz}$.

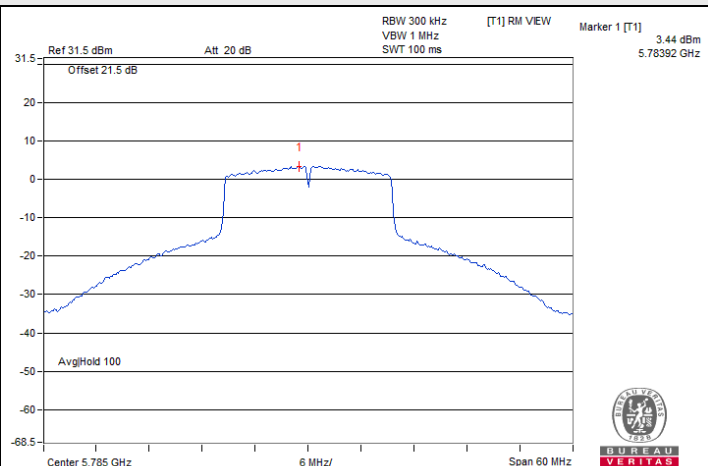




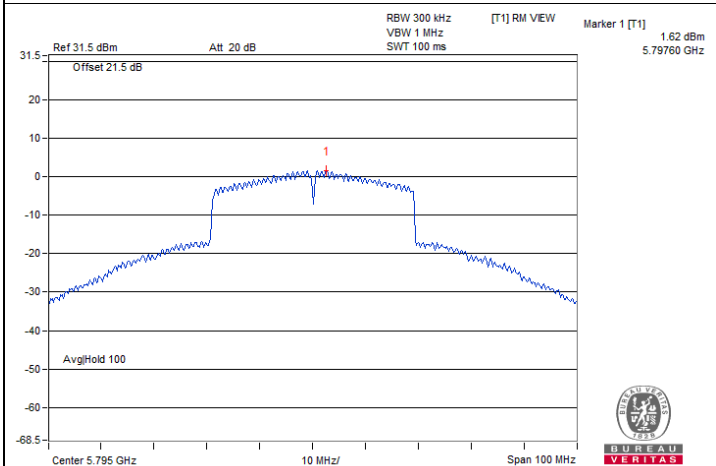
Spectrum Plot of Maximum Value



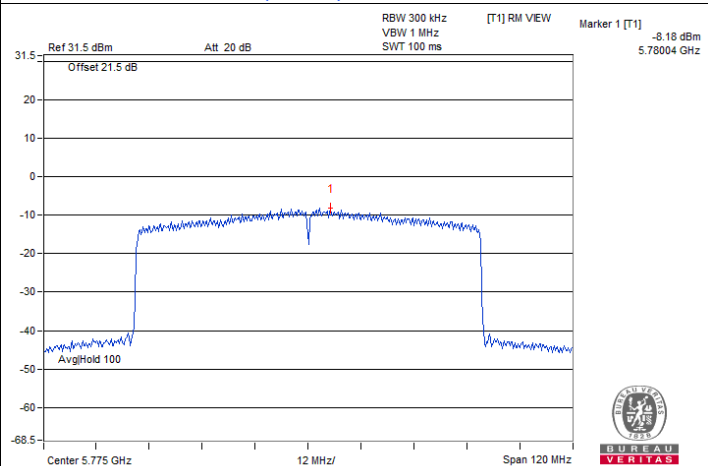
802.11a / Chain 1 : CH 165



802.11ax (HE20) / Chain 1 : CH 157



802.11ax (HE40) / Chain 1 : CH 159



802.11ax (HE80) / Chain 0 : CH 155

7.4 6 dB Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 61% 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	2.90	3.19	0.5	Pass
149	5745	15.76	16.34	0.5	Pass
157	5785	16.31	16.32	0.5	Pass
165	5825	16.01	16.30	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
144 (U-NII-3)	5720	4.13	4.42	0.5	Pass
149	5745	18.74	18.78	0.5	Pass
157	5785	18.56	18.23	0.5	Pass
165	5825	18.61	18.65	0.5	Pass

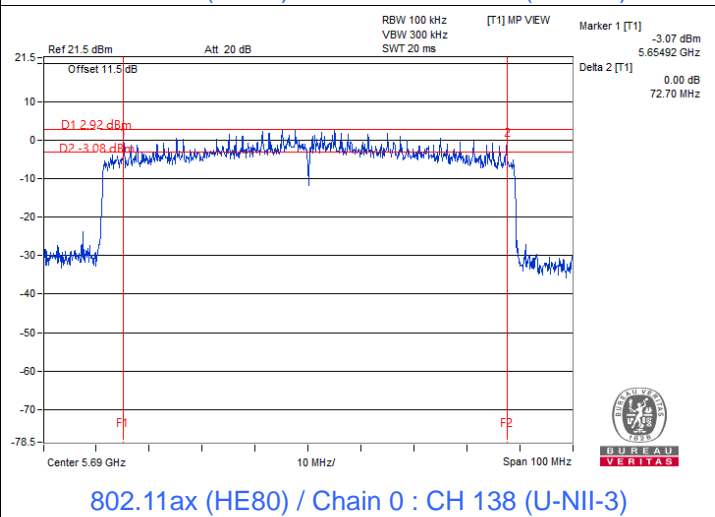
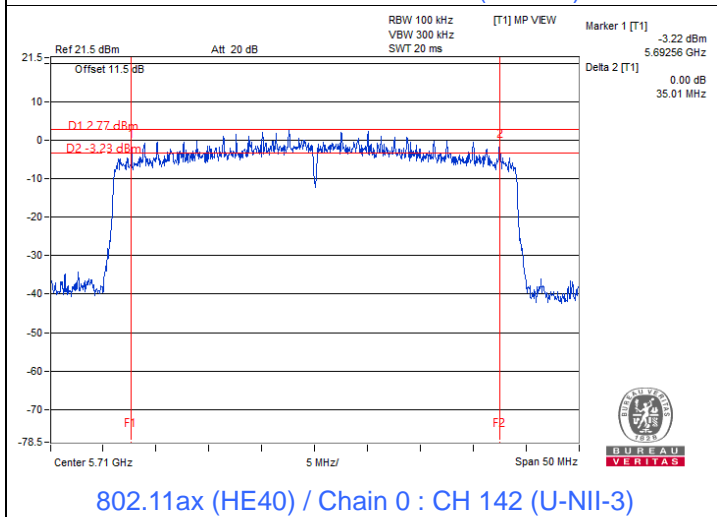
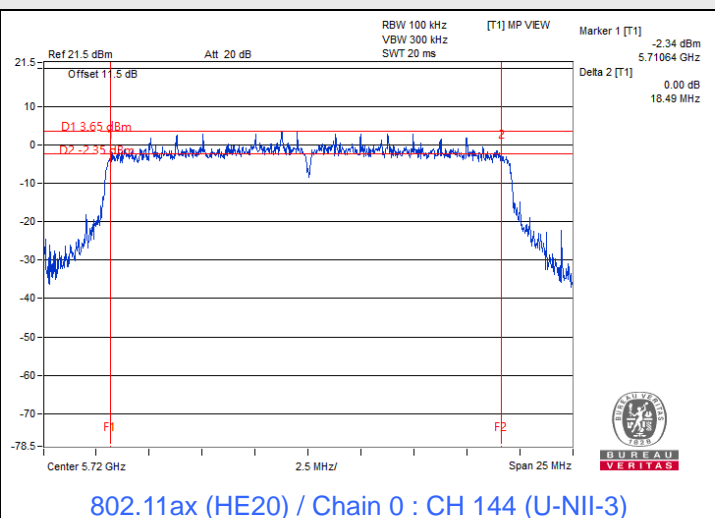
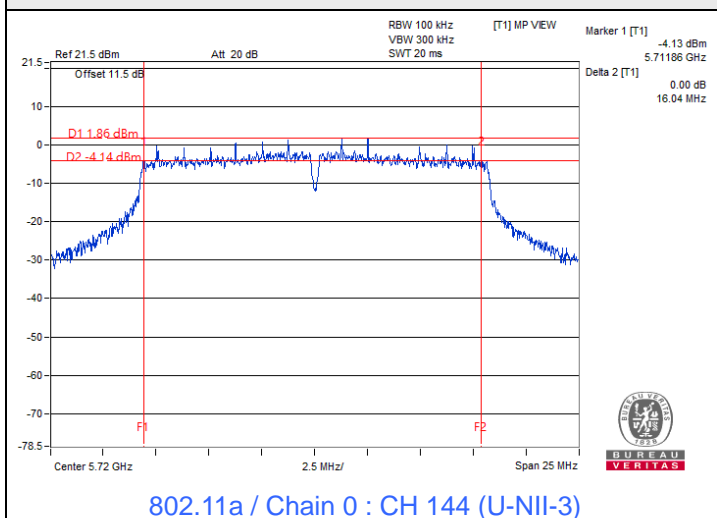
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
142 (U-NII-3)	5710	2.57	2.57	0.5	Pass
151	5755	35.05	33.87	0.5	Pass
159	5795	32.62	33.83	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	2.62	2.62	0.5	Pass
155	5775	75.06	71.37	0.5	Pass

Spectrum Plot of Minimum Value



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

7.5 Occupied Bandwidth

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 61% RH	Tested By:	John Peng
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802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	16.86	16.74
40	5200	16.80	16.86
48	5240	16.44	16.44
52	5260	16.86	16.80
60	5300	16.68	16.80
64	5320	16.86	16.74
100	5500	16.86	16.80
116	5580	16.98	16.86
140	5700	16.86	16.74
144 (U-NII-2C)	5720	13.40	13.34
144 (U-NII-3)	5720	3.40	3.46
149	5745	17.46	17.04
157	5785	17.58	17.10
165	5825	17.22	16.98

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.96	18.90
40	5200	18.90	18.90
48	5240	18.90	18.90
52	5260	18.96	18.84
60	5300	18.96	19.02
64	5320	18.96	18.96
100	5500	18.96	18.96
116	5580	18.96	18.96
140	5700	19.02	19.02
144 (U-NII-2C)	5720	14.48	14.42
144 (U-NII-3)	5720	4.48	4.48
149	5745	19.26	19.26
157	5785	23.94	24.42
165	5825	19.02	19.02

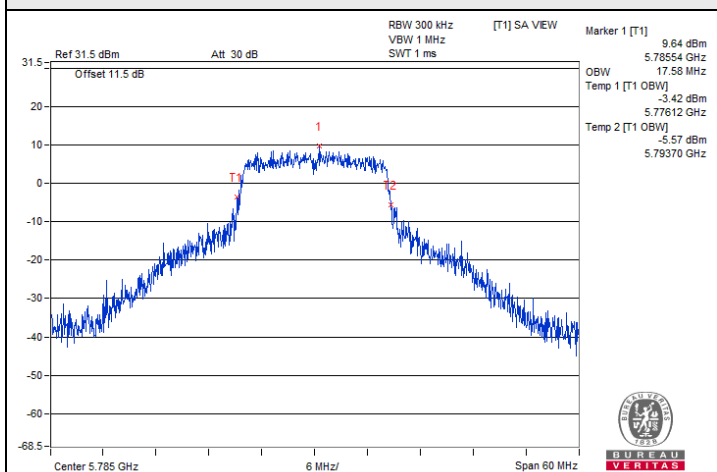
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	37.68	37.68
46	5230	37.56	37.56
54	5270	37.68	37.68
62	5310	37.56	37.80
102	5510	37.44	37.56
110	5550	37.56	37.56
134	5670	37.44	37.56
142 (U-NII-2C)	5710	33.84	33.84
142 (U-NII-3)	5710	3.96	3.84
151	5755	38.76	40.68
159	5795	51.24	60.84

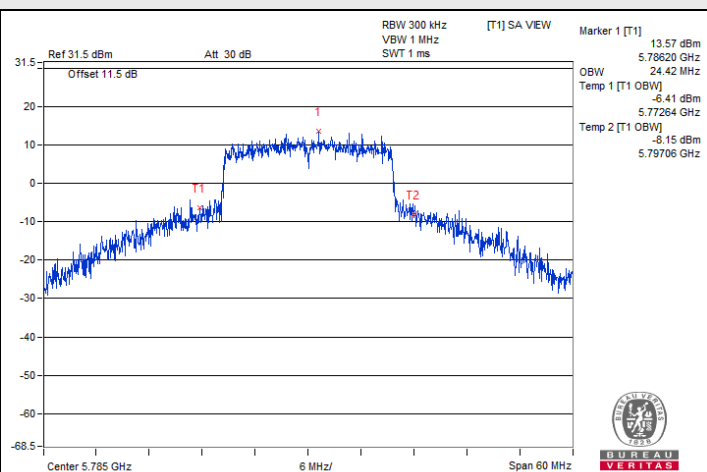
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	76.80	76.56
58	5290	76.56	76.56
106	5530	76.56	76.56
122	5610	77.04	76.80
138 (U-NII-2C)	5690	73.40	73.40
138 (U-NII-3)	5690	3.40	3.40
155	5775	76.80	77.04

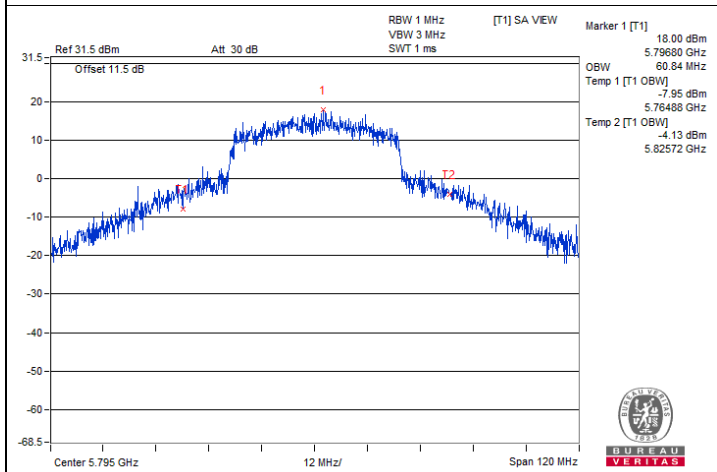
Spectrum Plot of Maximum Value



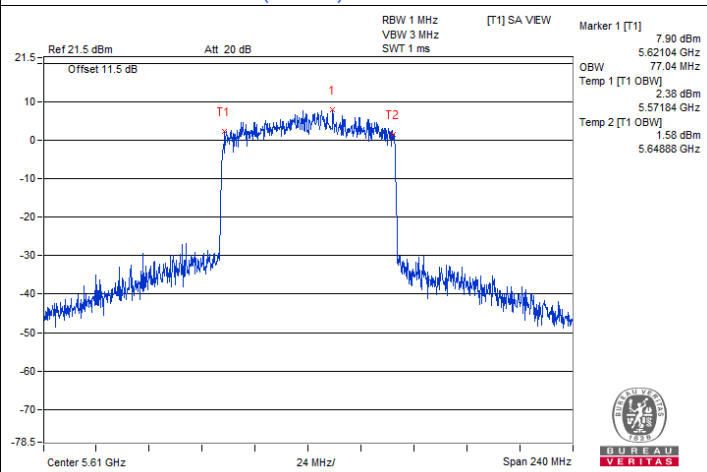
802.11a / Chain 0 : CH 157



802.11ax (HE20) / Chain 1 : CH 157

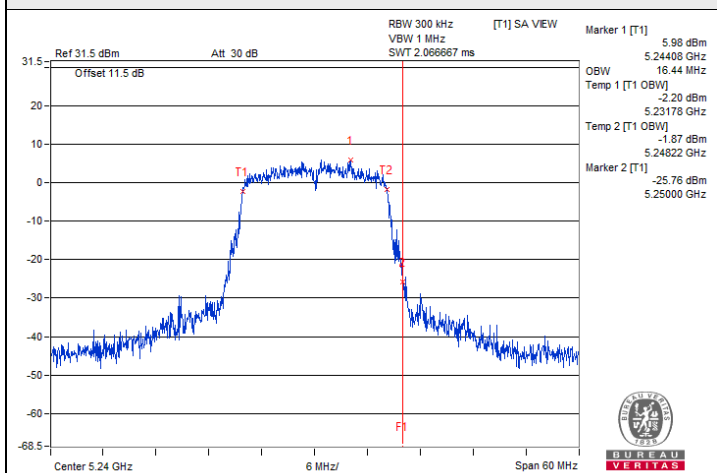


802.11ax (HE40) / Chain 1 : CH 159

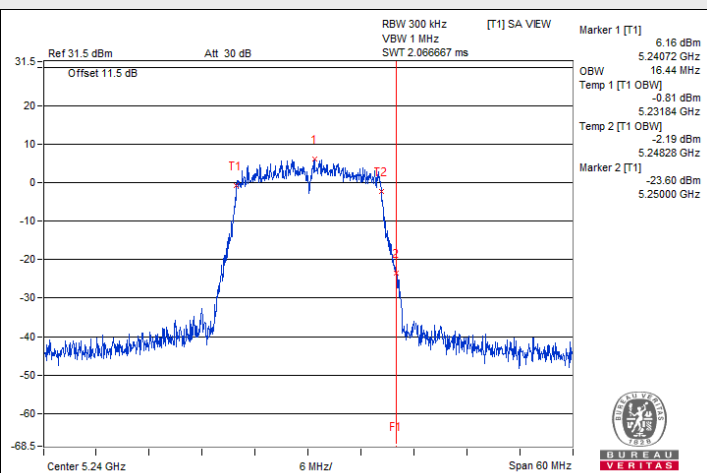


802.11ax (HE80) / Chain 0 : CH 122

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

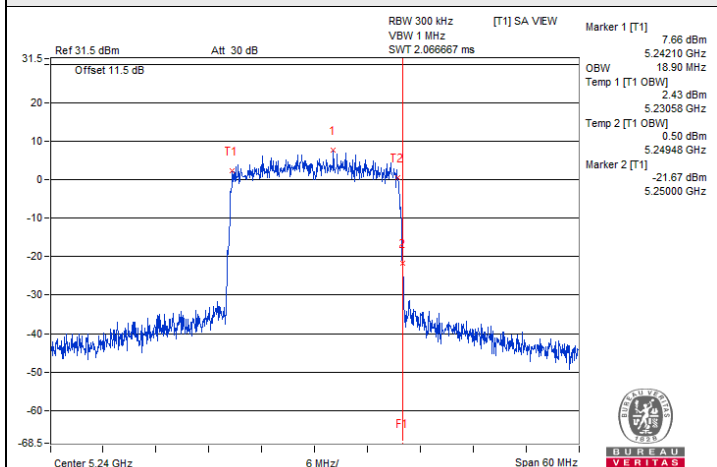


802.11a / Chain 0 : CH 48

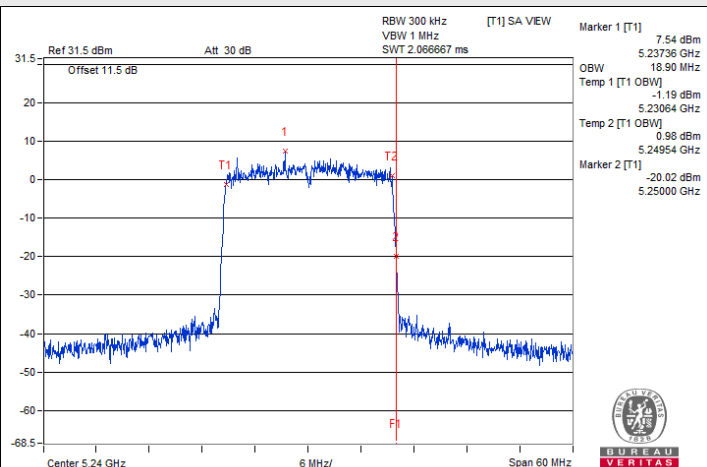


802.11a / Chain 1 : CH 48

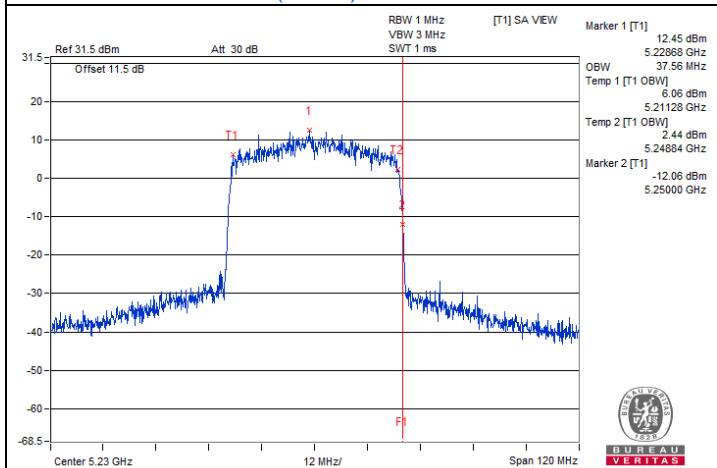
Spectrum Plot for nearby DFS band (DFS is required, if 99% OCP straddle into U-NII-2A)



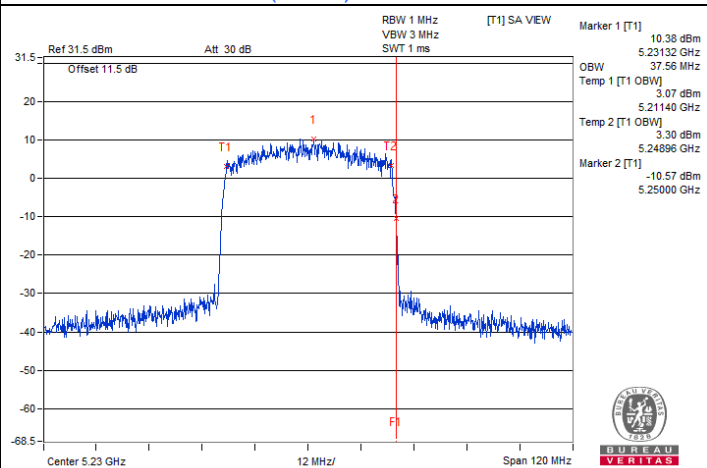
802.11ax (HE20) / Chain 0 : CH 48



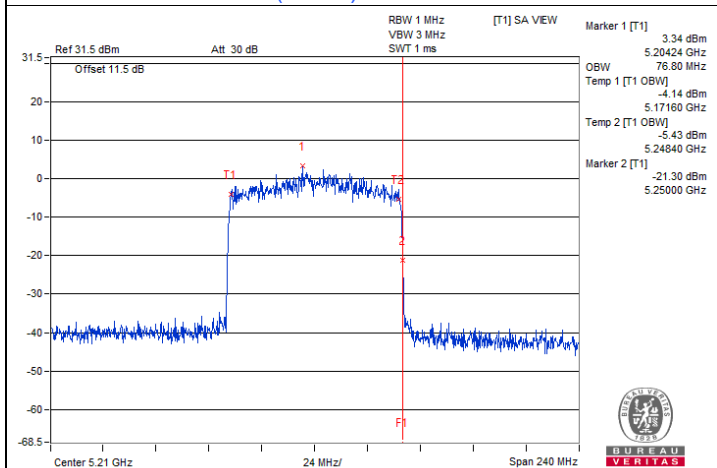
802.11ax (HE20) / Chain 1 : CH 48



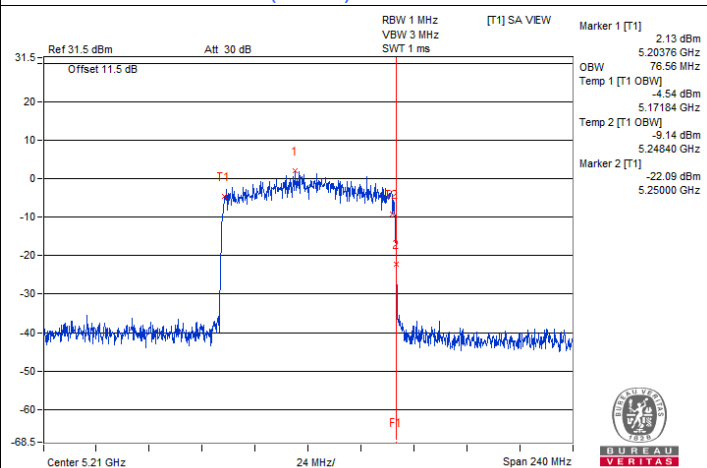
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46

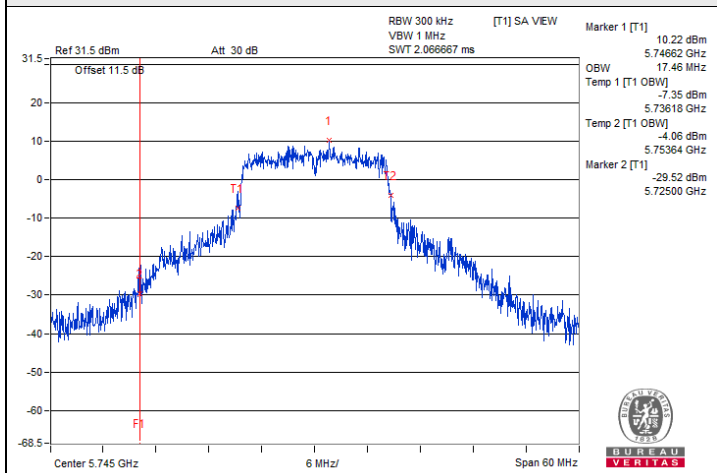
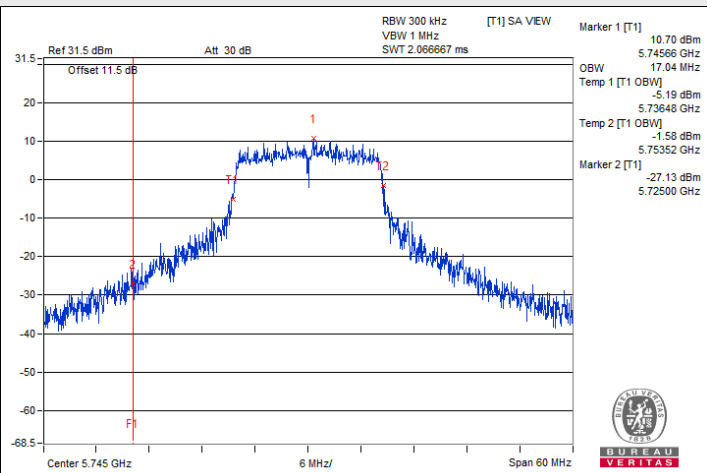
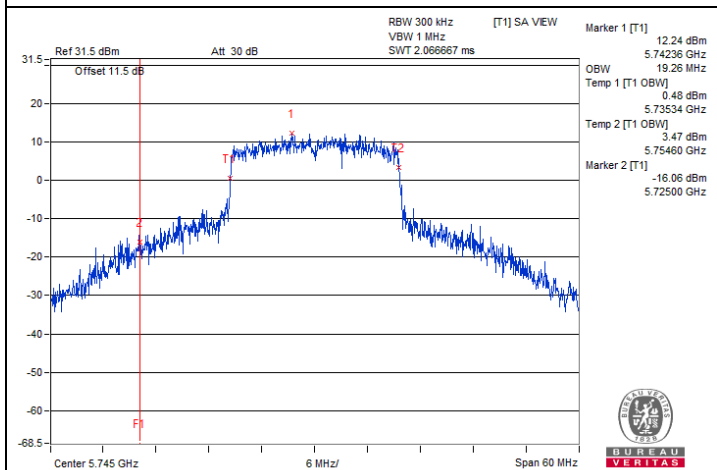
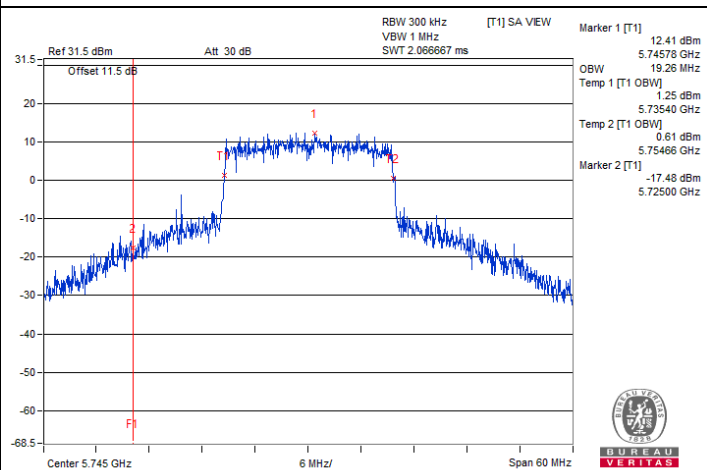
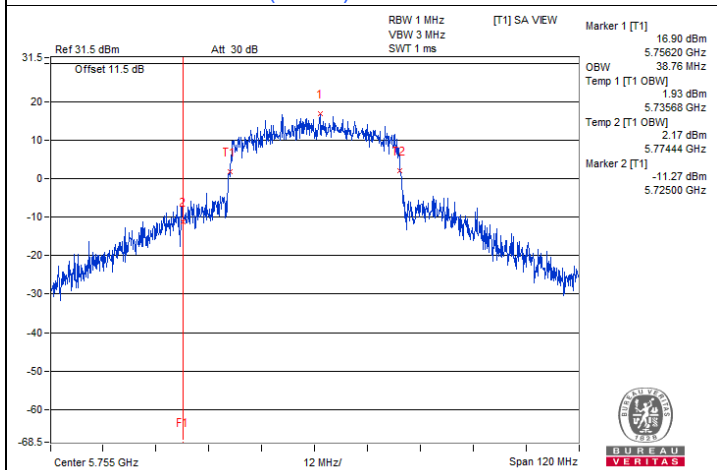
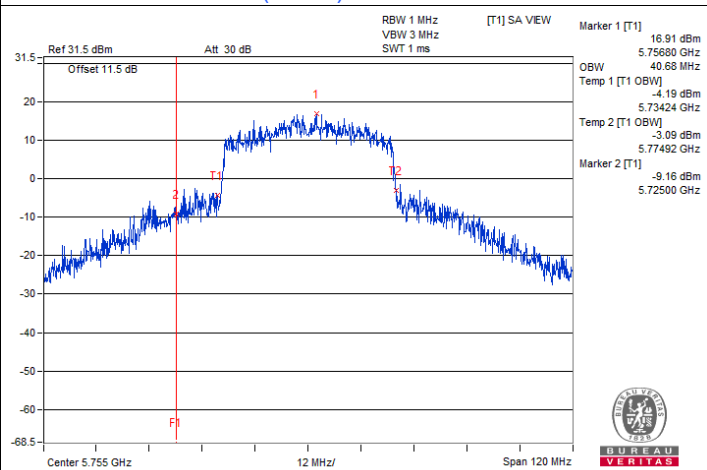


802.11ax (HE80) / Chain 0 : CH 42



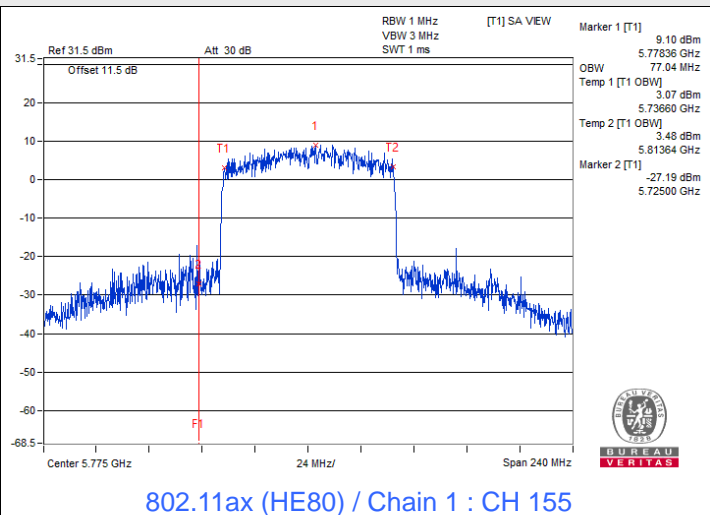
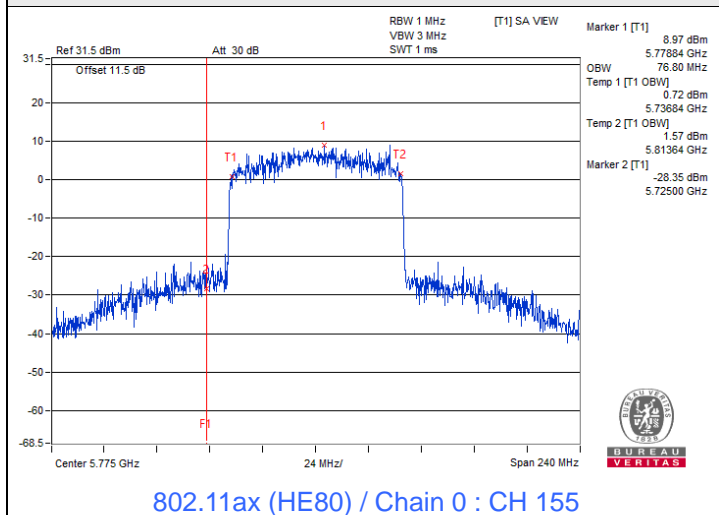
802.11ax (HE80) / Chain 1 : CH 42

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

**802.11a / Chain 0 : CH 149****802.11a / Chain 1 : CH 149****802.11ax (HE20) / Chain 0 : CH 149****802.11ax (HE20) / Chain 1 : CH 149****802.11ax (HE40) / Chain 0 : CH 151****802.11ax (HE40) / Chain 1 : CH 151**



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



7.6 Frequency Stability

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 61% RH	Tested By:	John Peng
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802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5180.0095	Pass	5180.0083	Pass	5180.009	Pass	5180.008	Pass
30	120	5179.9807	Pass	5179.9817	Pass	5179.98	Pass	5179.98	Pass
20	120	5179.9764	Pass	5179.974	Pass	5179.9751	Pass	5179.9764	Pass
10	120	5179.9762	Pass	5179.9727	Pass	5179.9765	Pass	5179.9755	Pass
0	120	5179.9779	Pass	5179.9777	Pass	5179.9771	Pass	5179.9789	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9819	Pass	5179.9818	Pass	5179.9818	Pass	5179.9816	Pass
	120	5179.9762	Pass	5179.9727	Pass	5179.9765	Pass	5179.9755	Pass
	102	5179.9735	Pass	5179.9728	Pass	5179.9735	Pass	5179.9765	Pass

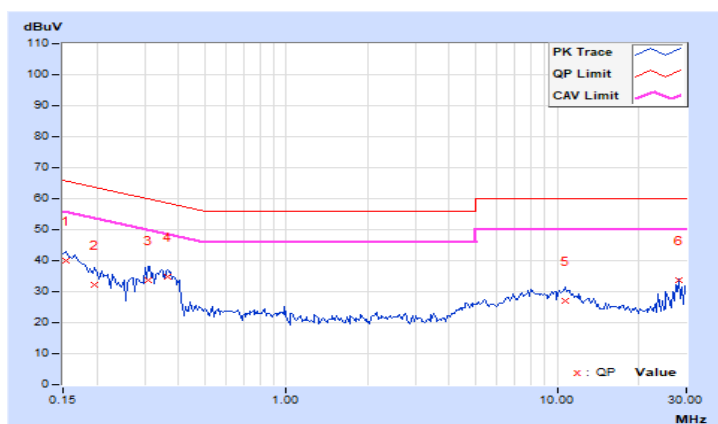
7.7 AC Power Conducted Emissions

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% 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	0.15391	9.96	30.01	15.20	39.97	25.16	65.79	55.79	-25.82	-30.63
2	0.19687	9.96	22.33	10.66	32.29	20.62	63.74	53.74	-31.45	-33.12
3	0.31016	9.97	23.58	12.07	33.55	22.04	59.97	49.97	-26.42	-27.93
4	0.36484	9.97	24.71	16.92	34.68	26.89	58.62	48.62	-23.94	-21.73
5	10.71875	10.53	16.53	10.45	27.06	20.98	60.00	50.00	-32.94	-29.02
6	28.21484	11.23	22.39	20.68	33.62	31.91	60.00	50.00	-26.38	-18.09

Remarks:

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

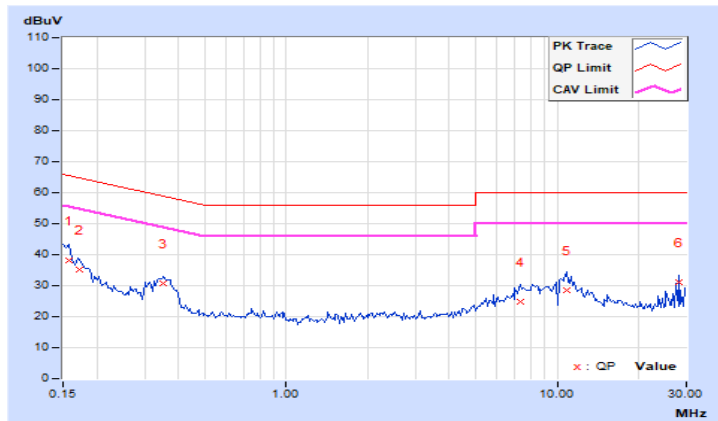


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 66% RH
Tested By	Sampson Chen		

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	0.15781	9.93	28.26	13.60	38.19	23.53	65.58	55.58	-27.39	-32.05
2	0.17344	9.93	25.44	11.17	35.37	21.10	64.79	54.79	-29.42	-33.69
3	0.35313	9.94	20.64	10.34	30.58	20.28	58.89	48.89	-28.31	-28.61
4	7.31641	10.25	14.56	9.01	24.81	19.26	60.00	50.00	-35.19	-30.74
5	10.85938	10.41	17.94	12.07	28.35	22.48	60.00	50.00	-31.65	-27.52
6	28.21828	10.87	20.30	15.54	31.17	26.41	60.00	50.00	-28.83	-23.59

Remarks:

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



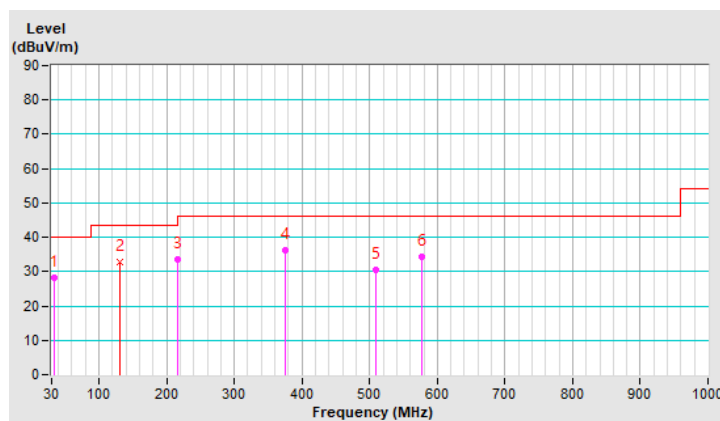
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% 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	32.92	28.2 QP	40.0	-11.8	1.50 H	170	37.5	-9.3
2	131.52	32.7 QP	43.5	-10.8	1.50 H	103	41.8	-9.1
3	215.69	33.7 QP	43.5	-9.8	1.00 H	311	44.8	-11.1
4	375.05	36.1 QP	46.0	-9.9	2.00 H	320	41.8	-5.7
5	509.61	30.4 QP	46.0	-15.6	1.50 H	68	33.0	-2.6
6	576.21	34.3 QP	46.0	-11.7	1.50 H	190	35.5	-1.2

Remarks:

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

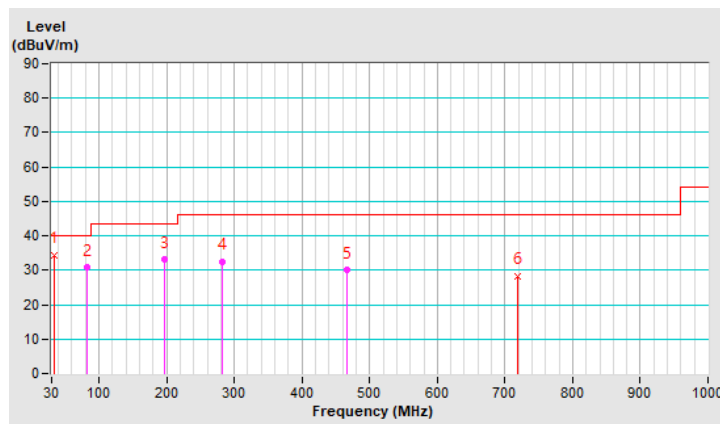


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	(QP) RB = 120kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 68% RH
Tested By	Tom Yang		

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	33.23	34.5 QP	40.0	-5.5	1.00 V	108	43.7	-9.2
2	82.66	31.0 QP	40.0	-9.0	1.50 V	107	44.5	-13.5
3	196.65	33.0 QP	43.5	-10.5	1.00 V	287	44.2	-11.2
4	283.13	32.6 QP	46.0	-13.4	1.50 V	170	40.7	-8.1
5	466.43	30.2 QP	46.0	-15.8	2.00 V	360	33.7	-3.5
6	718.57	28.4 QP	46.0	-17.6	1.50 V	250	27.4	1.0

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.



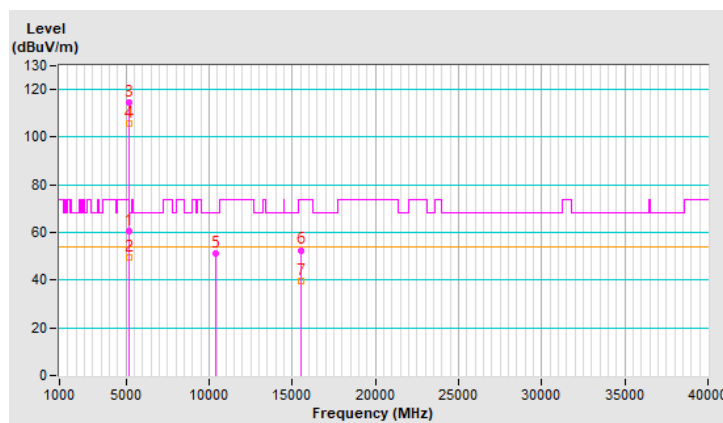
7.9 Unwanted Emissions above 1 GHz

RF Mode	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 = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.48 H	161	55.8	4.6
2	5150.00	49.4 AV	54.0	-4.6	2.48 H	161	44.8	4.6
3	*5180.00	114.8 PK			2.48 H	161	110.2	4.6
4	*5180.00	105.8 AV			2.48 H	161	101.2	4.6
5	#10360.00	51.4 PK	68.2	-16.8	1.09 H	36	37.2	14.2
6	15540.00	52.6 PK	74.0	-21.4	3.17 H	66	38.8	13.8
7	15540.00	39.5 AV	54.0	-14.5	3.17 H	66	25.7	13.8

Remarks:

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

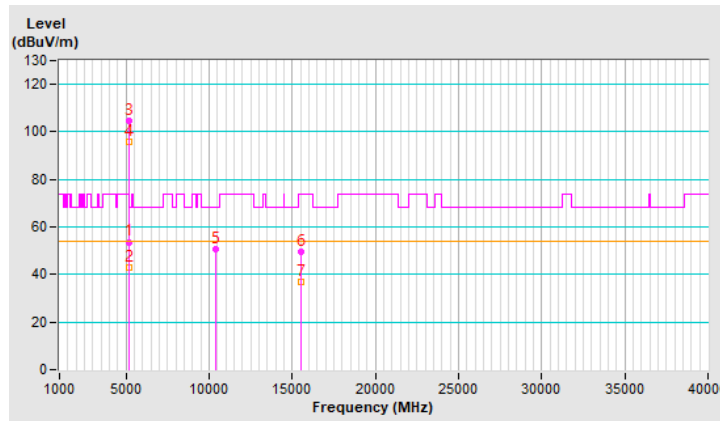


RF Mode	802.11a	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	2.81 V	182	49.1	4.6
2	5150.00	43.1 AV	54.0	-10.9	2.81 V	182	38.5	4.6
3	*5180.00	104.7 PK			2.81 V	182	100.1	4.6
4	*5180.00	96.0 AV			2.81 V	182	91.4	4.6
5	#10360.00	50.7 PK	68.2	-17.5	1.79 V	30	36.5	14.2
6	15540.00	49.4 PK	74.0	-24.6	1.95 V	13	35.6	13.8
7	15540.00	36.8 AV	54.0	-17.2	1.95 V	13	23.0	13.8

Remarks:

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



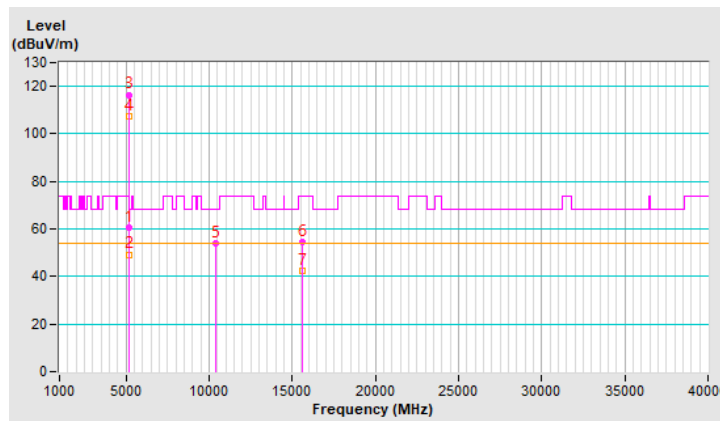
RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	2.36 H	161	55.8	4.6
2	5150.00	49.3 AV	54.0	-4.7	2.36 H	161	44.7	4.6
3	*5200.00	116.5 PK			2.36 H	161	111.9	4.6
4	*5200.00	107.4 AV			2.36 H	161	102.8	4.6
5	#10400.00	53.8 PK	68.2	-14.4	1.03 H	34	39.4	14.4
6	15600.00	54.6 PK	74.0	-19.4	3.13 H	76	40.9	13.7
7	15600.00	42.3 AV	54.0	-11.7	3.13 H	76	28.6	13.7

Remarks:

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

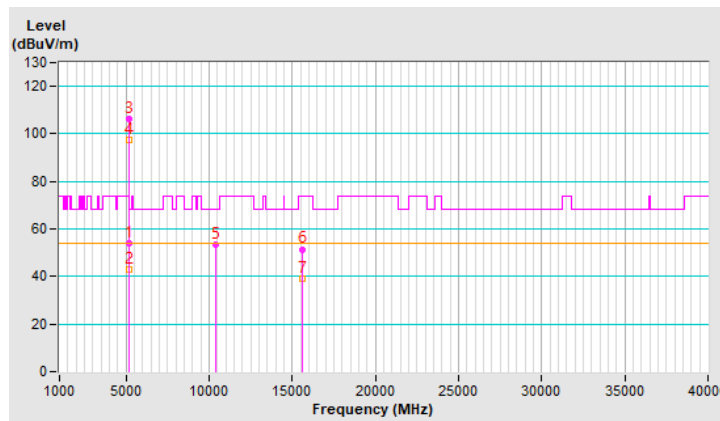


RF Mode	802.11a	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.8 PK	74.0	-20.2	2.77 V	171	49.2	4.6
2	5150.00	43.1 AV	54.0	-10.9	2.77 V	171	38.5	4.6
3	*5200.00	106.4 PK			2.77 V	171	101.8	4.6
4	*5200.00	97.7 AV			2.77 V	171	93.1	4.6
5	#10400.00	53.4 PK	68.2	-14.8	1.84 V	15	39.0	14.4
6	15600.00	51.5 PK	74.0	-22.5	1.92 V	9	37.8	13.7
7	15600.00	39.2 AV	54.0	-14.8	1.92 V	9	25.5	13.7

Remarks:

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



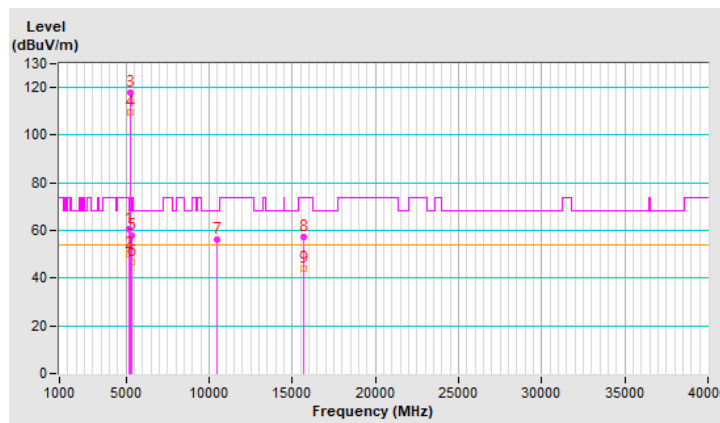
RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	2.50 H	166	55.8	4.6
2	5150.00	50.0 AV	54.0	-4.0	2.50 H	166	45.4	4.6
3	*5240.00	117.8 PK			2.50 H	166	113.4	4.4
4	*5240.00	109.6 AV			2.50 H	166	105.2	4.4
5	5350.00	57.7 PK	74.0	-16.3	2.50 H	166	53.1	4.6
6	5350.00	46.8 AV	54.0	-7.2	2.50 H	166	42.2	4.6
7	#10480.00	56.1 PK	68.2	-12.1	1.08 H	26	41.7	14.4
8	15720.00	57.2 PK	74.0	-16.8	3.18 H	76	43.8	13.4
9	15720.00	44.1 AV	54.0	-9.9	3.18 H	76	30.7	13.4

Remarks:

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

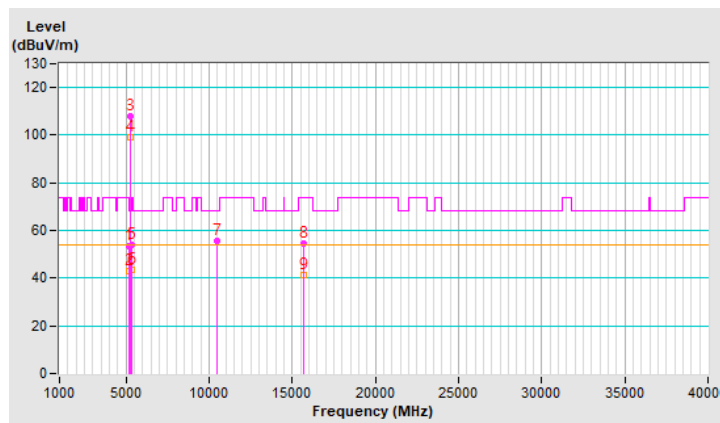


RF Mode	802.11a	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.5 PK	74.0	-20.5	2.75 V	158	48.9	4.6
2	5150.00	42.9 AV	54.0	-11.1	2.75 V	158	38.3	4.6
3	*5240.00	108.1 PK			2.75 V	158	103.7	4.4
4	*5240.00	99.3 AV			2.75 V	158	94.9	4.4
5	5350.00	54.2 PK	74.0	-19.8	2.75 V	158	49.6	4.6
6	5350.00	43.5 AV	54.0	-10.5	2.75 V	158	38.9	4.6
7	#10480.00	55.6 PK	68.2	-12.6	1.85 V	20	41.2	14.4
8	15720.00	54.5 PK	74.0	-19.5	1.86 V	7	41.1	13.4
9	15720.00	41.5 AV	54.0	-12.5	1.86 V	7	28.1	13.4

Remarks:

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



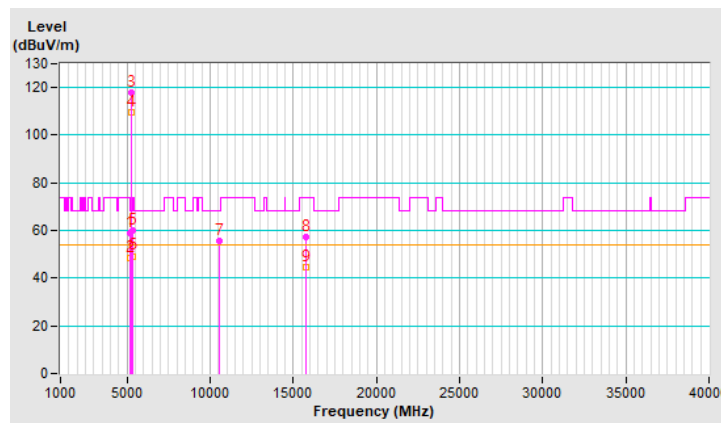
RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.8 PK	74.0	-15.2	2.50 H	171	54.2	4.6
2	5150.00	48.3 AV	54.0	-5.7	2.50 H	171	43.7	4.6
3	*5260.00	117.8 PK			2.50 H	171	113.5	4.3
4	*5260.00	109.4 AV			2.50 H	171	105.1	4.3
5	5350.00	59.8 PK	74.0	-14.2	2.50 H	171	55.2	4.6
6	5350.00	49.3 AV	54.0	-4.7	2.50 H	171	44.7	4.6
7	#10520.00	55.8 PK	68.2	-12.4	1.14 H	24	41.5	14.3
8	15780.00	57.4 PK	74.0	-16.6	3.16 H	69	43.9	13.5
9	15780.00	44.6 AV	54.0	-9.4	3.16 H	69	31.1	13.5

Remarks:

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

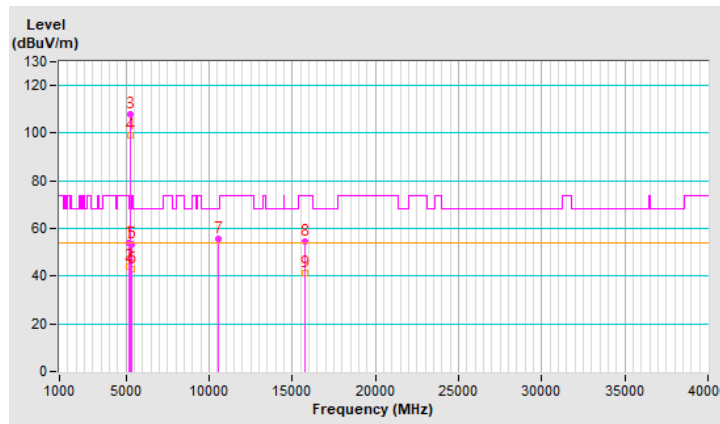


RF Mode	802.11a	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.2 PK	74.0	-19.8	1.33 V	255	49.6	4.6
2	5150.00	43.8 AV	54.0	-10.2	1.33 V	255	39.2	4.6
3	*5260.00	108.0 PK			1.33 V	255	103.7	4.3
4	*5260.00	98.9 AV			1.33 V	255	94.6	4.3
5	5350.00	53.2 PK	74.0	-20.8	1.33 V	255	48.6	4.6
6	5350.00	42.8 AV	54.0	-11.2	1.33 V	255	38.2	4.6
7	#10520.00	55.7 PK	68.2	-12.5	1.84 V	13	41.4	14.3
8	15780.00	54.3 PK	74.0	-19.7	1.82 V	8	40.8	13.5
9	15780.00	41.3 AV	54.0	-12.7	1.82 V	8	27.8	13.5

Remarks:

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

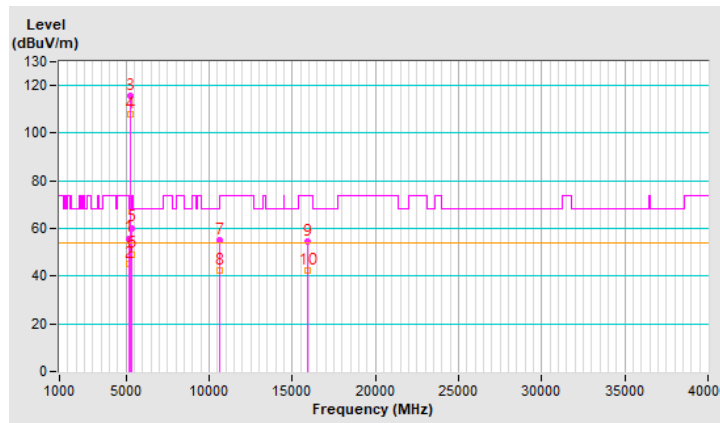


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.56 H	167	51.3	4.6
2	5150.00	45.1 AV	54.0	-8.9	2.56 H	167	40.5	4.6
3	*5300.00	115.7 PK			2.56 H	167	111.3	4.4
4	*5300.00	107.8 AV			2.56 H	167	103.4	4.4
5	5350.00	60.3 PK	74.0	-13.7	2.56 H	167	55.7	4.6
6	5350.00	49.3 AV	54.0	-4.7	2.56 H	167	44.7	4.6
7	10600.00	55.0 PK	74.0	-19.0	1.07 H	26	41.0	14.0
8	10600.00	42.3 AV	54.0	-11.7	1.07 H	26	28.3	14.0
9	15900.00	54.7 PK	74.0	-19.3	3.21 H	72	41.2	13.5
10	15900.00	42.5 AV	54.0	-11.5	3.21 H	72	29.0	13.5

Remarks:

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

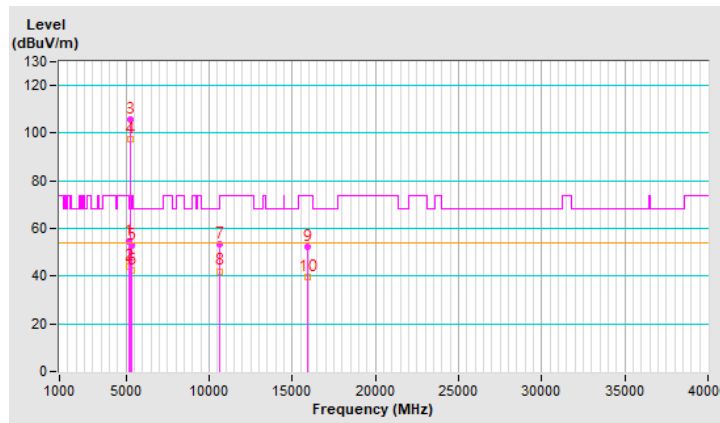


RF Mode	802.11a	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	54.4 PK	74.0	-19.6	1.34 V	241	49.8	4.6
2	5150.00	44.2 AV	54.0	-9.8	1.34 V	241	39.6	4.6
3	*5300.00	105.7 PK			1.34 V	241	101.3	4.4
4	*5300.00	97.3 AV			1.34 V	241	92.9	4.4
5	5350.00	52.7 PK	74.0	-21.3	1.34 V	241	48.1	4.6
6	5350.00	42.3 AV	54.0	-11.7	1.34 V	241	37.7	4.6
7	10600.00	53.5 PK	74.0	-20.5	1.84 V	23	39.5	14.0
8	10600.00	42.1 AV	54.0	-11.9	1.84 V	23	28.1	14.0
9	15900.00	52.3 PK	74.0	-21.7	1.95 V	3	38.8	13.5
10	15900.00	39.6 AV	54.0	-14.4	1.95 V	3	26.1	13.5

Remarks:

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



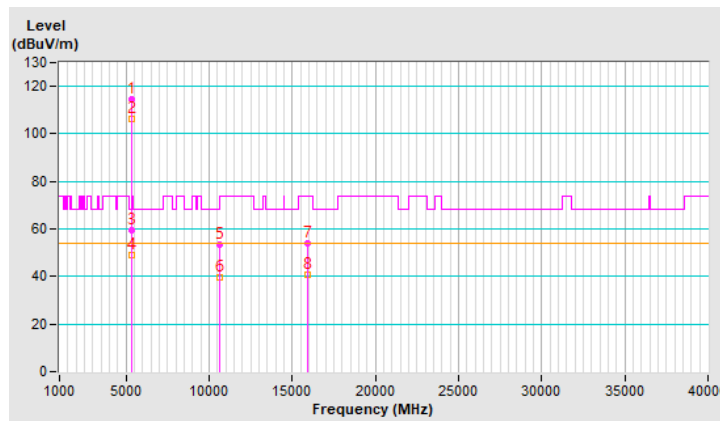
RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	114.4 PK			2.48 H	170	110.0	4.4
2	*5320.00	106.1 AV			2.48 H	170	101.7	4.4
3	5350.00	59.6 PK	74.0	-14.4	2.48 H	170	55.0	4.6
4	5350.00	49.2 AV	54.0	-4.8	2.48 H	170	44.6	4.6
5	10640.00	53.2 PK	74.0	-20.8	1.05 H	31	39.1	14.1
6	10640.00	39.5 AV	54.0	-14.5	1.05 H	31	25.4	14.1
7	15960.00	53.9 PK	74.0	-20.1	3.25 H	75	40.2	13.7
8	15960.00	40.7 AV	54.0	-13.3	3.25 H	75	27.0	13.7

Remarks:

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

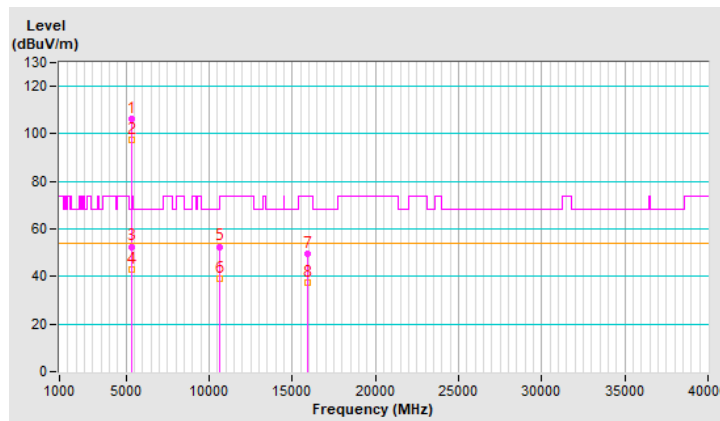


RF Mode	802.11a	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.4 PK			1.29 V	249	102.0	4.4
2	*5320.00	97.4 AV			1.29 V	249	93.0	4.4
3	5350.00	52.6 PK	74.0	-21.4	1.29 V	249	48.0	4.6
4	5350.00	42.7 AV	54.0	-11.3	1.29 V	249	38.1	4.6
5	10640.00	52.6 PK	74.0	-21.4	1.82 V	15	38.5	14.1
6	10640.00	39.2 AV	54.0	-14.8	1.82 V	15	25.1	14.1
7	15960.00	49.5 PK	74.0	-24.5	1.89 V	1	35.8	13.7
8	15960.00	37.3 AV	54.0	-16.7	1.89 V	1	23.6	13.7

Remarks:

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



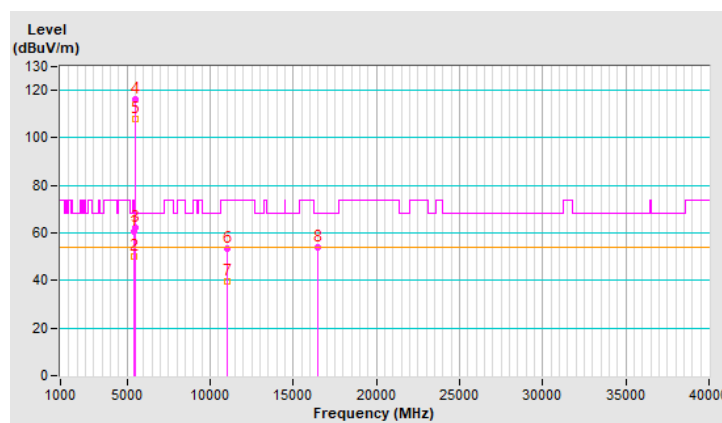
RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	2.52 H	174	55.9	4.8
2	5460.00	49.9 AV	54.0	-4.1	2.52 H	174	45.1	4.8
3	#5470.00	62.0 PK	68.2	-6.2	2.52 H	174	57.2	4.8
4	*5500.00	116.4 PK			2.52 H	174	111.5	4.9
5	*5500.00	107.7 AV			2.52 H	174	102.8	4.9
6	11000.00	53.3 PK	74.0	-20.7	1.09 H	29	38.7	14.6
7	11000.00	39.4 AV	54.0	-14.6	1.09 H	29	24.8	14.6
8	#16500.00	53.9 PK	68.2	-14.3	3.31 H	64	38.7	15.2

Remarks:

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

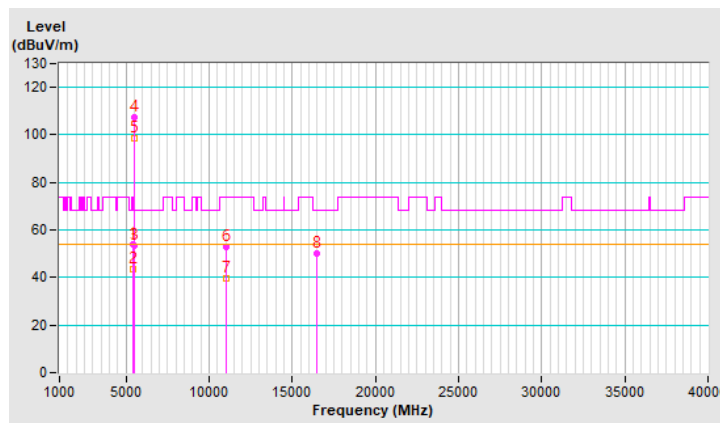


RF Mode	802.11a	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	2.81 V	261	49.0	4.8
2	5460.00	43.4 AV	54.0	-10.6	2.81 V	261	38.6	4.8
3	#5466.34	53.3 PK	68.2	-14.9	2.81 V	261	48.5	4.8
4	*5500.00	107.5 PK			2.81 V	261	102.6	4.9
5	*5500.00	98.8 AV			2.81 V	261	93.9	4.9
6	11000.00	52.7 PK	74.0	-21.3	1.82 V	0	38.1	14.6
7	11000.00	39.4 AV	54.0	-14.6	1.82 V	0	24.8	14.6
8	#16500.00	49.9 PK	68.2	-18.3	1.85 V	5	34.7	15.2

Remarks:

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



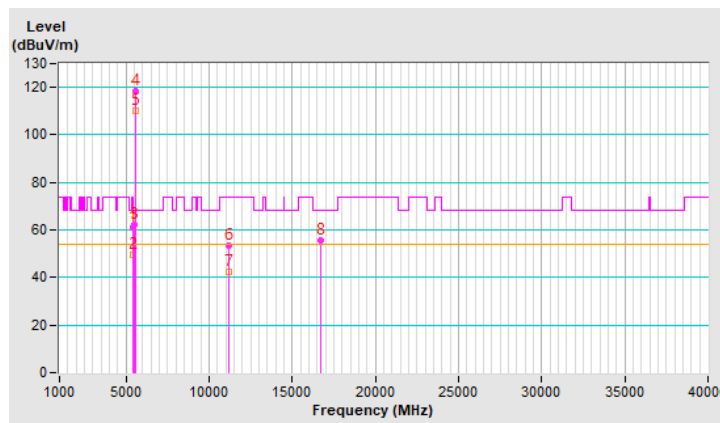
RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	2.37 H	174	56.5	4.8
2	5460.00	49.8 AV	54.0	-4.2	2.37 H	174	45.0	4.8
3	#5470.00	62.4 PK	68.2	-5.8	2.37 H	174	57.6	4.8
4	*5580.00	118.5 PK			2.37 H	174	113.6	4.9
5	*5580.00	110.2 AV			2.37 H	174	105.3	4.9
6	11160.00	53.6 PK	74.0	-20.4	1.10 H	27	39.2	14.4
7	11160.00	42.5 AV	54.0	-11.5	1.10 H	27	28.1	14.4
8	#16740.00	55.5 PK	68.2	-12.7	3.21 H	62	38.7	16.8

Remarks:

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

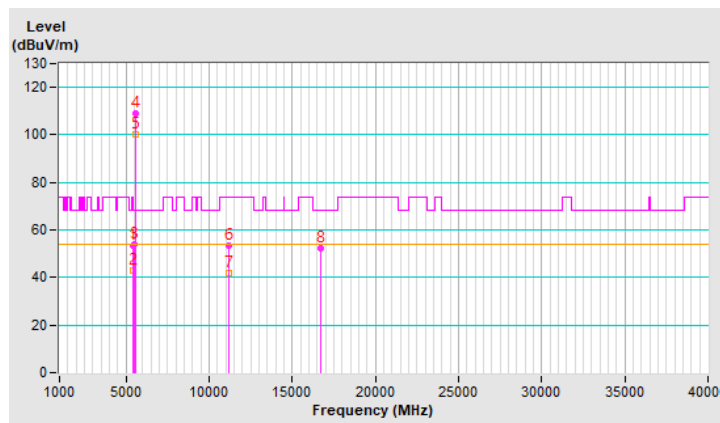


RF Mode	802.11a	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.6 PK	74.0	-20.4	2.86 V	250	48.8	4.8
2	5460.00	43.1 AV	54.0	-10.9	2.86 V	250	38.3	4.8
3	#5470.00	53.8 PK	68.2	-14.4	2.86 V	250	49.0	4.8
4	*5580.00	109.2 PK			2.86 V	250	104.3	4.9
5	*5580.00	100.3 AV			2.86 V	250	95.4	4.9
6	11160.00	53.2 PK	74.0	-20.8	1.89 V	18	38.8	14.4
7	11160.00	41.7 AV	54.0	-12.3	1.89 V	18	27.3	14.4
8	#16740.00	52.4 PK	68.2	-15.8	1.95 V	13	35.6	16.8

Remarks:

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



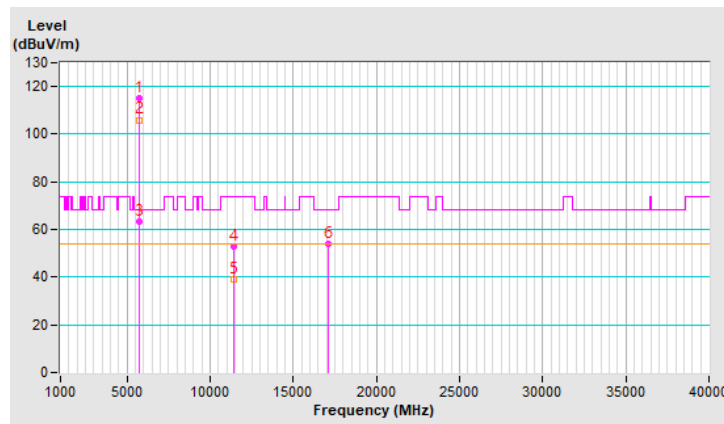
RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	115.0 PK			2.30 H	182	110.2	4.8
2	*5700.00	106.0 AV			2.30 H	182	101.2	4.8
3	#5725.00	63.4 PK	68.2	-4.8	2.30 H	182	58.6	4.8
4	11400.00	53.1 PK	74.0	-20.9	1.05 H	31	37.7	15.4
5	11400.00	39.3 AV	54.0	-14.7	1.05 H	31	23.9	15.4
6	#17100.00	54.2 PK	68.2	-14.0	3.37 H	78	35.7	18.5

Remarks:

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

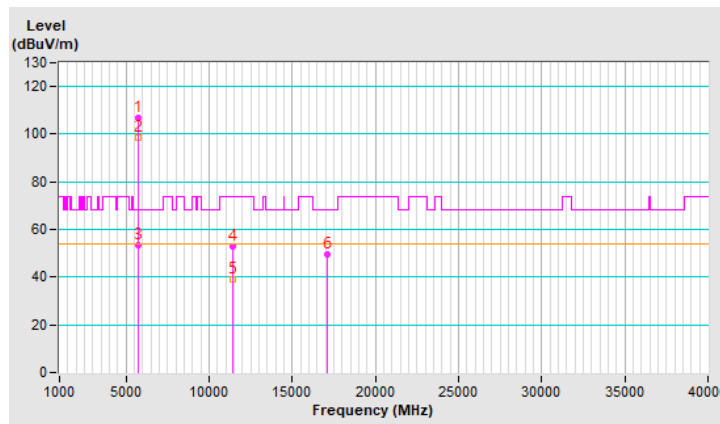


RF Mode	802.11a	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	107.0 PK			2.77 V	267	102.2	4.8
2	*5700.00	98.6 AV			2.77 V	267	93.8	4.8
3	#5725.00	53.2 PK	68.2	-15.0	2.77 V	267	48.4	4.8
4	11400.00	52.8 PK	74.0	-21.2	1.80 V	11	37.4	15.4
5	11400.00	39.3 AV	54.0	-14.7	1.80 V	11	23.9	15.4
6	#17100.00	49.5 PK	68.2	-18.7	1.82 V	12	31.0	18.5

Remarks:

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



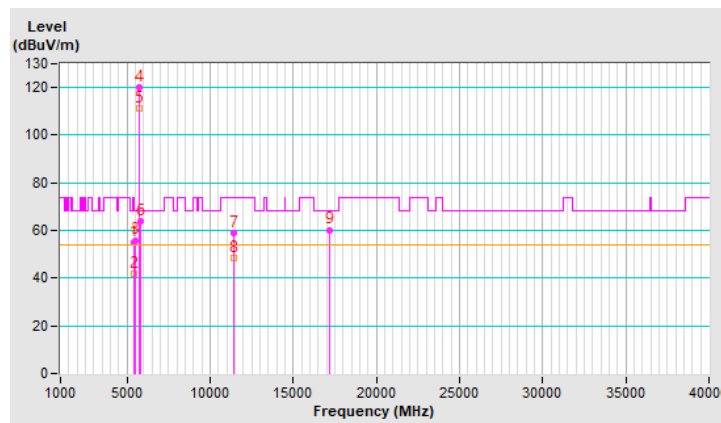
RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	55.0 PK	74.0	-19.0	2.54 H	179	50.2	4.8
2	5460.00	41.9 AV	54.0	-12.1	2.54 H	179	37.1	4.8
3	#5470.00	55.9 PK	68.2	-12.3	2.54 H	179	51.1	4.8
4	*5720.00	120.1 PK			2.54 H	179	115.3	4.8
5	*5720.00	111.5 AV			2.54 H	179	106.7	4.8
6	#5850.00	64.0 PK	68.2	-4.2	2.54 H	179	58.5	5.5
7	11440.00	59.1 PK	74.0	-14.9	1.05 H	11	43.8	15.3
8	11440.00	48.3 AV	54.0	-5.7	1.05 H	11	33.0	15.3
9	#17160.00	60.3 PK	68.2	-7.9	3.42 H	73	41.8	18.5

Remarks:

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

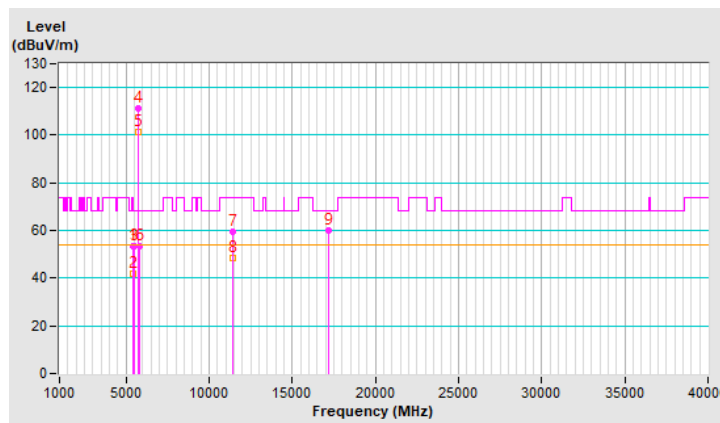


RF Mode	802.11a	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.2 PK	74.0	-20.8	1.33 V	245	48.4	4.8
2	5460.00	41.9 AV	54.0	-12.1	1.33 V	245	37.1	4.8
3	#5470.00	53.6 PK	68.2	-14.6	1.33 V	245	48.8	4.8
4	*5720.00	111.5 PK			1.33 V	245	106.7	4.8
5	*5720.00	101.3 AV			1.33 V	245	96.5	4.8
6	#5850.00	53.2 PK	68.2	-15.0	1.33 V	245	47.7	5.5
7	11440.00	59.3 PK	74.0	-14.7	1.99 V	16	44.0	15.3
8	11440.00	48.5 AV	54.0	-5.5	1.99 V	16	33.2	15.3
9	#17160.00	60.1 PK	68.2	-8.1	1.80 V	10	41.6	18.5

Remarks:

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



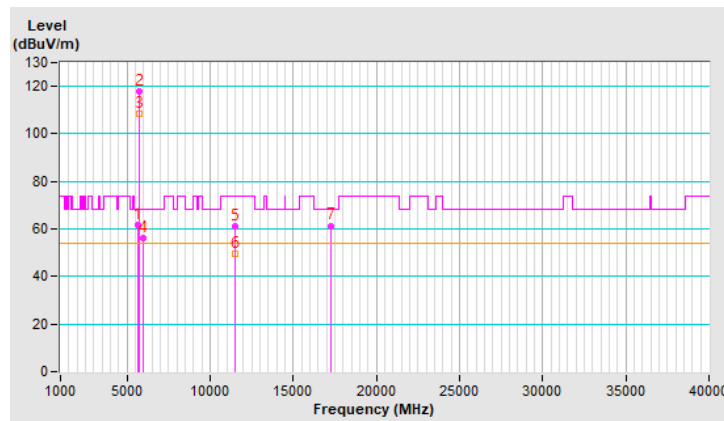
RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.84	61.7 PK	68.2	-6.5	2.44 H	180	56.7	5.0
2	*5745.00	117.7 PK			2.44 H	180	112.8	4.9
3	*5745.00	108.6 AV			2.44 H	180	103.7	4.9
4	#5949.00	56.4 PK	68.2	-11.8	2.44 H	180	50.6	5.8
5	11490.00	61.1 PK	74.0	-12.9	1.02 H	14	46.0	15.1
6	11490.00	49.4 AV	54.0	-4.6	1.02 H	14	34.3	15.1
7	#17235.00	61.4 PK	68.2	-6.8	3.42 H	66	42.8	18.6

Remarks:

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

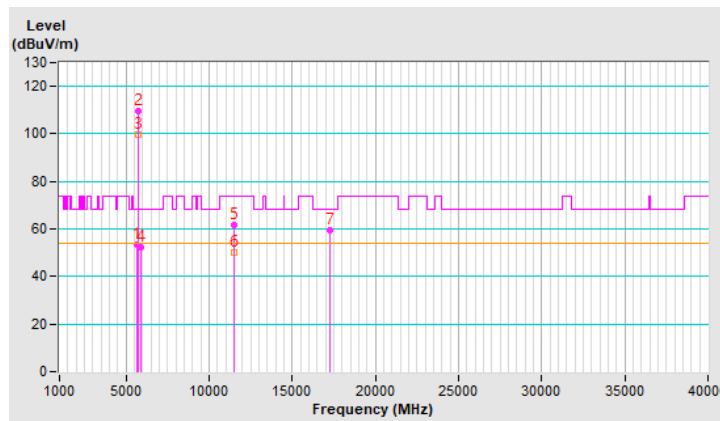


RF Mode	802.11a	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5621.37	53.6 PK	68.2	-14.6	1.09 V	245	48.7	4.9
2	*5745.00	109.4 PK			1.09 V	245	104.5	4.9
3	*5745.00	99.9 AV			1.09 V	245	95.0	4.9
4	#5927.86	52.1 PK	68.2	-16.1	1.09 V	245	46.4	5.7
5	11490.00	61.5 PK	74.0	-12.5	1.91 V	17	46.4	15.1
6	11490.00	49.9 AV	54.0	-4.1	1.91 V	17	34.8	15.1
7	#17235.00	59.6 PK	68.2	-8.6	1.81 V	4	41.0	18.6

Remarks:

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



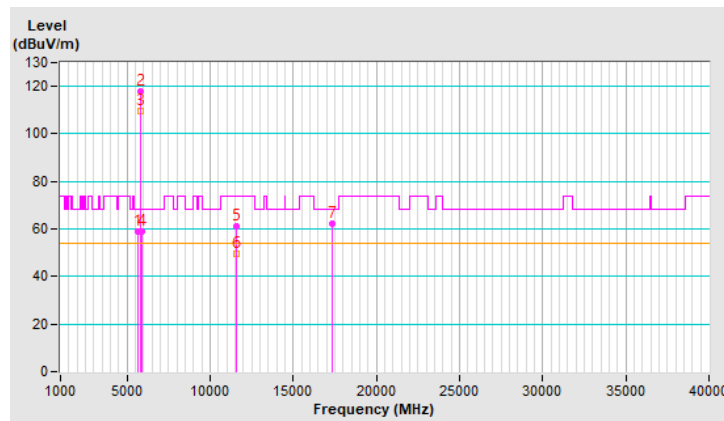
RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.10	58.7 PK	68.2	-9.5	2.47 H	176	53.7	5.0
2	*5785.00	118.0 PK			2.47 H	176	112.9	5.1
3	*5785.00	109.5 AV			2.47 H	176	104.4	5.1
4	#5927.82	59.0 PK	68.2	-9.2	2.47 H	176	53.3	5.7
5	11570.00	61.2 PK	74.0	-12.8	1.00 H	11	46.2	15.0
6	11570.00	49.4 AV	54.0	-4.6	1.00 H	11	34.4	15.0
7	#17355.00	62.0 PK	68.2	-6.2	3.44 H	54	43.4	18.6

Remarks:

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

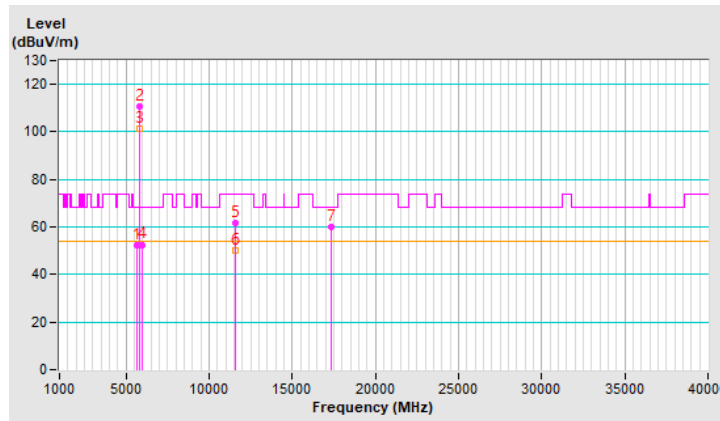


RF Mode	802.11a	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.52	52.5 PK	68.2	-15.7	1.07 V	245	47.4	5.1
2	*5785.00	110.9 PK			1.07 V	245	105.8	5.1
3	*5785.00	101.3 AV			1.07 V	245	96.2	5.1
4	#5936.80	52.6 PK	68.2	-15.6	1.07 V	245	46.9	5.7
5	11570.00	61.9 PK	74.0	-12.1	1.86 V	13	46.9	15.0
6	11570.00	49.9 AV	54.0	-4.1	1.86 V	13	34.9	15.0
7	#17355.00	59.8 PK	68.2	-8.4	1.86 V	5	41.2	18.6

Remarks:

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



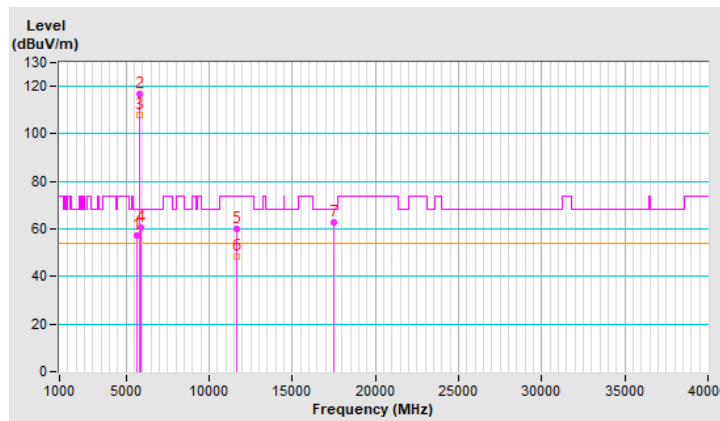
RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.79	57.1 PK	68.2	-11.1	2.42 H	179	52.1	5.0
2	*5825.00	116.8 PK			2.42 H	179	111.4	5.4
3	*5825.00	107.8 AV			2.42 H	179	102.4	5.4
4	#5925.02	60.6 PK	68.2	-7.6	2.42 H	179	54.9	5.7
5	11650.00	60.1 PK	74.0	-13.9	1.00 H	14	45.3	14.8
6	11650.00	48.4 AV	54.0	-5.6	1.00 H	14	33.6	14.8
7	#17475.00	62.6 PK	68.2	-5.6	3.47 H	45	44.1	18.5

Remarks:

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

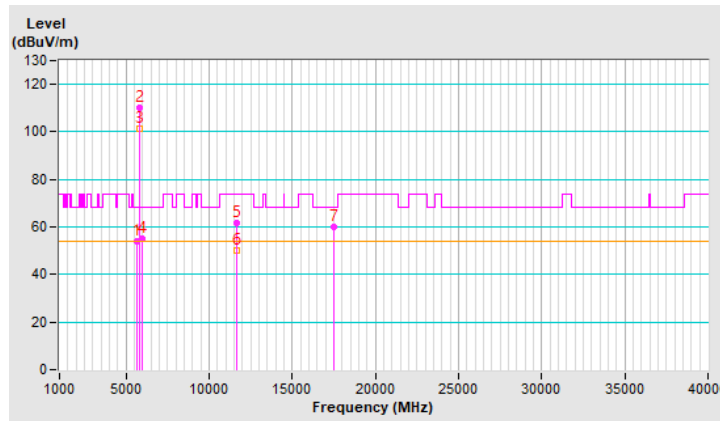


RF Mode	802.11a	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.74	53.9 PK	68.2	-14.3	2.18 V	253	48.9	5.0
2	*5825.00	110.2 PK			2.18 V	253	104.8	5.4
3	*5825.00	101.2 AV			2.18 V	253	95.8	5.4
4	#5946.26	54.9 PK	68.2	-13.3	2.18 V	253	49.1	5.8
5	11650.00	61.7 PK	74.0	-12.3	1.90 V	17	46.9	14.8
6	11650.00	49.9 AV	54.0	-4.1	1.90 V	17	35.1	14.8
7	#17475.00	59.9 PK	68.2	-8.3	1.83 V	1	41.4	18.5

Remarks:

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



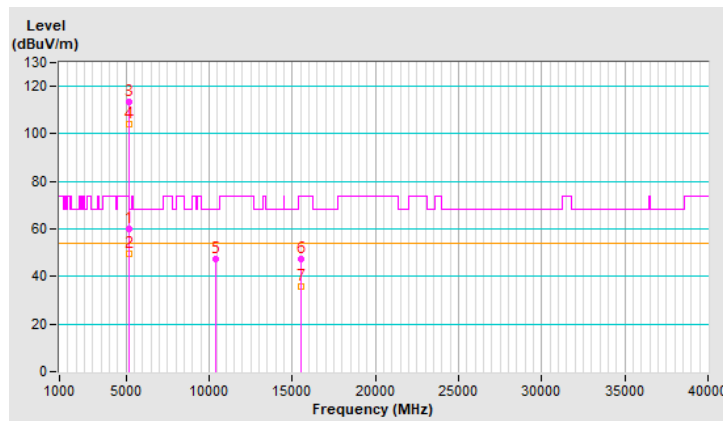
RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	2.33 H	159	55.6	4.6
2	5150.00	49.8 AV	54.0	-4.2	2.33 H	159	45.2	4.6
3	*5180.00	113.7 PK			2.33 H	159	109.1	4.6
4	*5180.00	103.9 AV			2.33 H	159	99.3	4.6
5	#10360.00	47.2 PK	68.2	-21.0	1.13 H	35	33.0	14.2
6	15540.00	47.6 PK	74.0	-26.4	3.20 H	75	33.8	13.8
7	15540.00	35.6 AV	54.0	-18.4	3.20 H	75	21.8	13.8

Remarks:

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



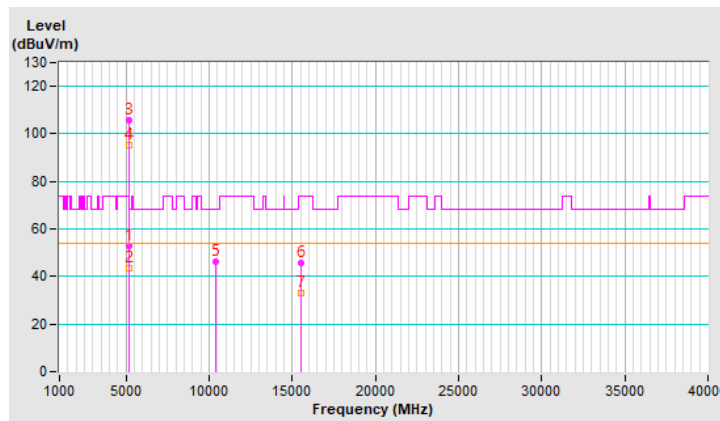
RF Mode	802.11ax (HE20)	Channel	CH 36 : 5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (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	3.01 V	202	48.5	4.6
2	5150.00	43.4 AV	54.0	-10.6	3.01 V	202	38.8	4.6
3	*5180.00	105.9 PK			3.01 V	202	101.3	4.6
4	*5180.00	95.2 AV			3.01 V	202	90.6	4.6
5	#10360.00	46.5 PK	68.2	-21.7	1.83 V	33	32.3	14.2
6	15540.00	45.8 PK	74.0	-28.2	1.92 V	21	32.0	13.8
7	15540.00	33.2 AV	54.0	-20.8	1.92 V	21	19.4	13.8

Remarks:

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

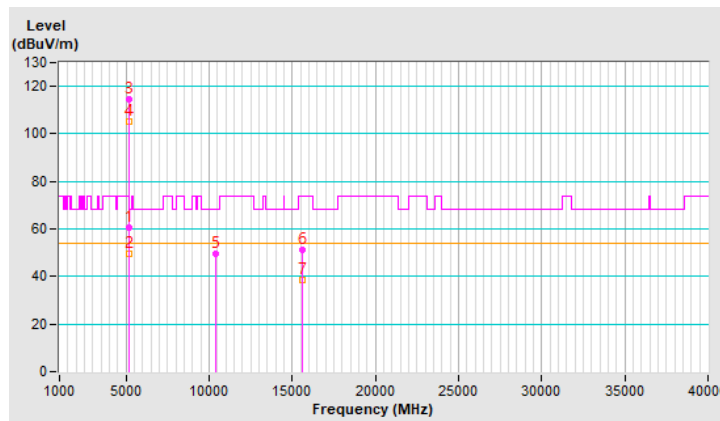


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	2.56 H	165	55.8	4.6
2	5150.00	49.6 AV	54.0	-4.4	2.56 H	165	45.0	4.6
3	*5200.00	114.8 PK			2.56 H	165	110.2	4.6
4	*5200.00	105.3 AV			2.56 H	165	100.7	4.6
5	#10400.00	49.5 PK	68.2	-18.7	1.04 H	19	35.1	14.4
6	15600.00	51.0 PK	74.0	-23.0	3.14 H	78	37.3	13.7
7	15600.00	38.5 AV	54.0	-15.5	3.14 H	78	24.8	13.7

Remarks:

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

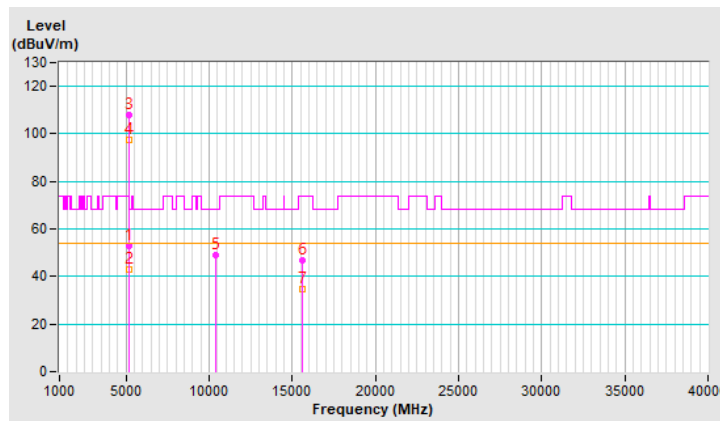


RF Mode	802.11ax (HE20)	Channel	CH 40 : 5200 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	3.06 V	198	48.1	4.6
2	5150.00	43.0 AV	54.0	-11.0	3.06 V	198	38.4	4.6
3	*5200.00	108.1 PK			3.06 V	198	103.5	4.6
4	*5200.00	97.3 AV			3.06 V	198	92.7	4.6
5	#10400.00	49.1 PK	68.2	-19.1	1.85 V	24	34.7	14.4
6	15600.00	47.0 PK	74.0	-27.0	1.98 V	12	33.3	13.7
7	15600.00	34.7 AV	54.0	-19.3	1.98 V	12	21.0	13.7

Remarks:

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



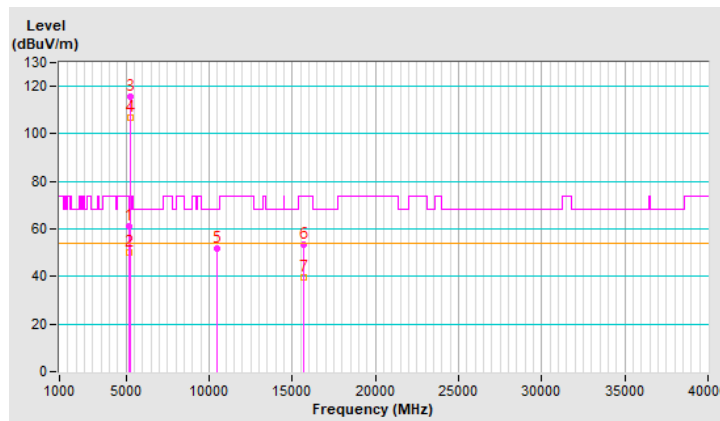
RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	2.58 H	165	56.5	4.6
2	5150.00	49.9 AV	54.0	-4.1	2.58 H	165	45.3	4.6
3	*5240.00	115.9 PK			2.58 H	165	111.5	4.4
4	*5240.00	106.9 AV			2.58 H	165	102.5	4.4
5	#10480.00	51.8 PK	68.2	-16.4	1.06 H	19	37.4	14.4
6	15720.00	53.2 PK	74.0	-20.8	3.22 H	77	39.8	13.4
7	15720.00	39.7 AV	54.0	-14.3	3.22 H	77	26.3	13.4

Remarks:

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

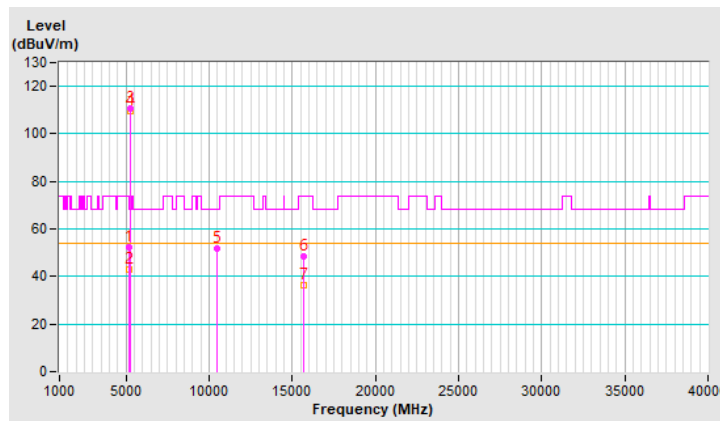


RF Mode	802.11ax (HE20)	Channel	CH 48 : 5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	52.3 PK	74.0	-21.7	3.01 V	187	47.7	4.6
2	5150.00	42.9 AV	54.0	-11.1	3.01 V	187	38.3	4.6
3	*5240.00	110.6 PK			3.01 V	187	106.2	4.4
4	*5240.00	109.6 AV			3.01 V	187	105.2	4.4
5	#10480.00	51.7 PK	68.2	-16.5	1.83 V	27	37.3	14.4
6	15720.00	48.7 PK	74.0	-25.3	1.96 V	24	35.3	13.4
7	15720.00	36.2 AV	54.0	-17.8	1.96 V	24	22.8	13.4

Remarks:

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



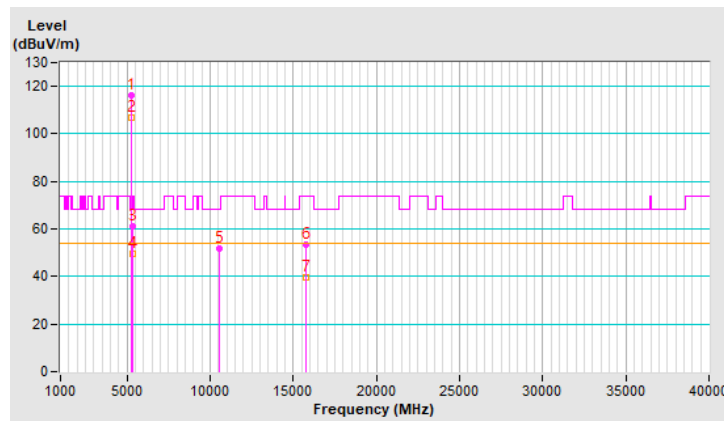
RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	116.3 PK			2.41 H	173	112.0	4.3
2	*5260.00	106.6 AV			2.41 H	173	102.3	4.3
3	5350.00	61.2 PK	74.0	-12.8	2.41 H	173	56.6	4.6
4	5350.00	49.6 AV	54.0	-4.4	2.41 H	173	45.0	4.6
5	#10520.00	51.6 PK	68.2	-16.6	1.07 H	23	37.3	14.3
6	15780.00	53.2 PK	74.0	-20.8	3.27 H	71	39.7	13.5
7	15780.00	39.8 AV	54.0	-14.2	3.27 H	71	26.3	13.5

Remarks:

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

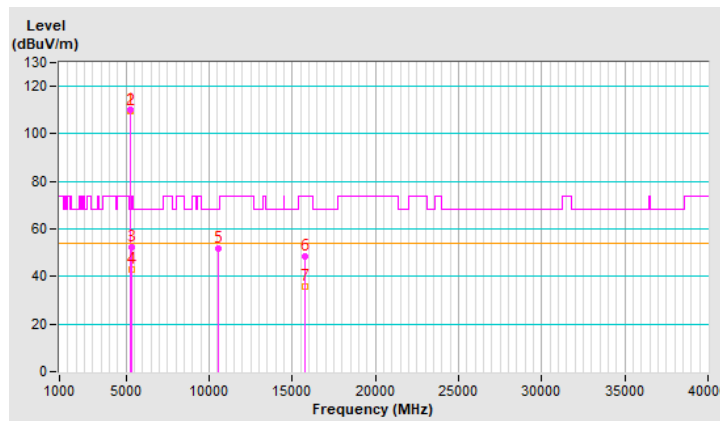


RF Mode	802.11ax (HE20)	Channel	CH 52 : 5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5260.00	110.1 PK			1.33 V	360	105.8	4.3
2	*5260.00	109.4 AV			1.33 V	360	105.1	4.3
3	5350.00	52.3 PK	74.0	-21.7	1.33 V	360	47.7	4.6
4	5350.00	42.7 AV	54.0	-11.3	1.33 V	360	38.1	4.6
5	#10520.00	51.7 PK	68.2	-16.5	1.78 V	13	37.4	14.3
6	15780.00	48.4 PK	74.0	-25.6	1.92 V	11	34.9	13.5
7	15780.00	36.0 AV	54.0	-18.0	1.92 V	11	22.5	13.5

Remarks:

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



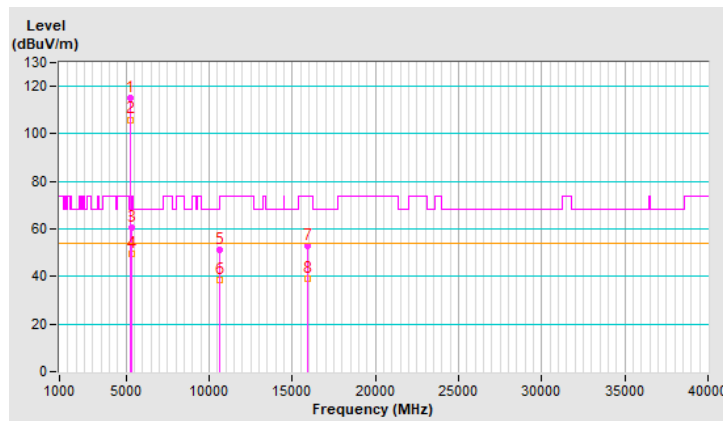
RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	115.1 PK			2.38 H	173	110.7	4.4
2	*5300.00	106.0 AV			2.38 H	173	101.6	4.4
3	5350.00	60.8 PK	74.0	-13.2	2.38 H	173	56.2	4.6
4	5350.00	49.8 AV	54.0	-4.2	2.38 H	173	45.2	4.6
5	10600.00	51.3 PK	74.0	-22.7	1.11 H	19	37.3	14.0
6	10600.00	38.4 AV	54.0	-15.6	1.11 H	19	24.4	14.0
7	15900.00	52.8 PK	74.0	-21.2	3.20 H	75	39.3	13.5
8	15900.00	39.0 AV	54.0	-15.0	3.20 H	75	25.5	13.5

Remarks:

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

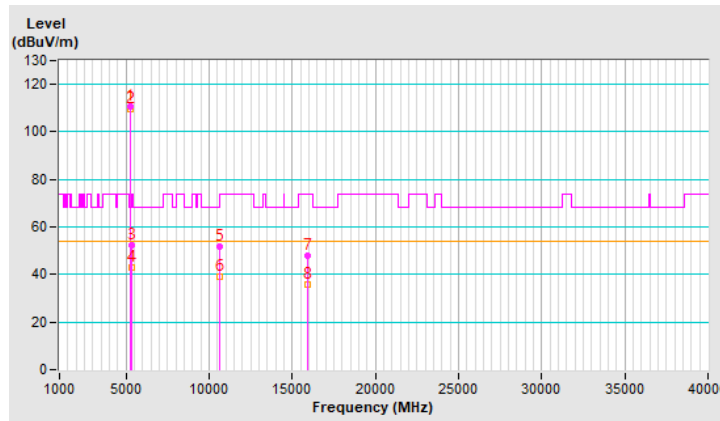


RF Mode	802.11ax (HE20)	Channel	CH 60 : 5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	110.6 PK			1.38 V	360	106.2	4.4
2	*5300.00	109.4 AV			1.38 V	360	105.0	4.4
3	5350.00	52.2 PK	74.0	-21.8	1.38 V	360	47.6	4.6
4	5350.00	43.0 AV	54.0	-11.0	1.38 V	360	38.4	4.6
5	10600.00	51.8 PK	74.0	-22.2	1.81 V	20	37.8	14.0
6	10600.00	38.9 AV	54.0	-15.1	1.81 V	20	24.9	14.0
7	15900.00	48.1 PK	74.0	-25.9	1.92 V	21	34.6	13.5
8	15900.00	35.8 AV	54.0	-18.2	1.92 V	21	22.3	13.5

Remarks:

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

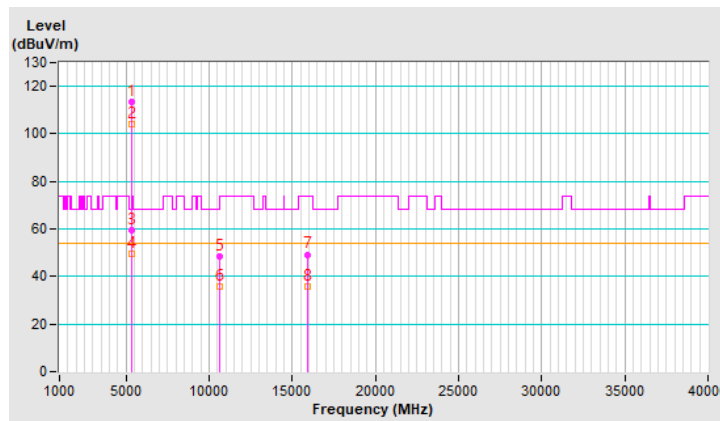


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.6 PK			2.39 H	172	109.2	4.4
2	*5320.00	104.3 AV			2.39 H	172	99.9	4.4
3	5350.00	59.3 PK	74.0	-14.7	2.39 H	172	54.7	4.6
4	5350.00	49.6 AV	54.0	-4.4	2.39 H	172	45.0	4.6
5	10640.00	48.7 PK	74.0	-25.3	1.07 H	5	34.6	14.1
6	10640.00	36.0 AV	54.0	-18.0	1.07 H	5	21.9	14.1
7	15960.00	49.3 PK	74.0	-24.7	3.23 H	69	35.6	13.7
8	15960.00	35.9 AV	54.0	-18.1	3.23 H	69	22.2	13.7

Remarks:

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

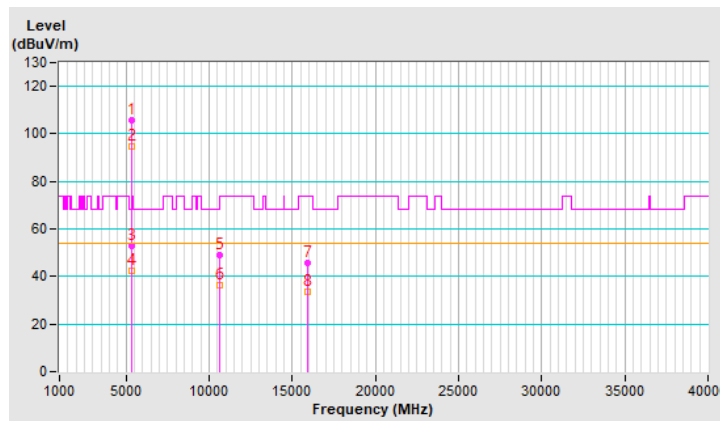


RF Mode	802.11ax (HE20)	Channel	CH 64 : 5320 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	105.6 PK			1.35 V	360	101.2	4.4
2	*5320.00	94.9 AV			1.35 V	360	90.5	4.4
3	5350.00	52.7 PK	74.0	-21.3	1.35 V	360	48.1	4.6
4	5350.00	42.2 AV	54.0	-11.8	1.35 V	360	37.6	4.6
5	10640.00	48.9 PK	74.0	-25.1	1.81 V	14	34.8	14.1
6	10640.00	36.2 AV	54.0	-17.8	1.81 V	14	22.1	14.1
7	15960.00	45.9 PK	74.0	-28.1	1.88 V	23	32.2	13.7
8	15960.00	33.5 AV	54.0	-20.5	1.88 V	23	19.8	13.7

Remarks:

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

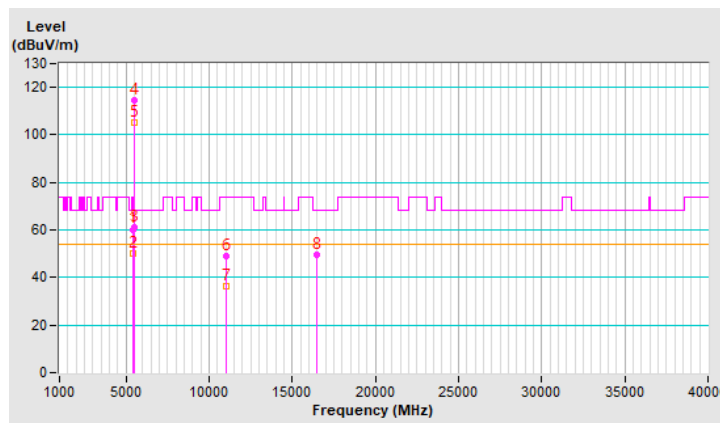


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5459.81	60.3 PK	74.0	-13.7	2.47 H	176	55.5	4.8
2	5459.81	49.9 AV	54.0	-4.1	2.47 H	176	45.1	4.8
3	#5464.96	61.2 PK	68.2	-7.0	2.47 H	176	56.4	4.8
4	*5500.00	114.7 PK			2.47 H	176	109.8	4.9
5	*5500.00	105.3 AV			2.47 H	176	100.4	4.9
6	11000.00	49.0 PK	74.0	-25.0	1.10 H	0	34.4	14.6
7	11000.00	36.3 AV	54.0	-17.7	1.10 H	0	21.7	14.6
8	#16500.00	49.5 PK	68.2	-18.7	3.25 H	79	34.3	15.2

Remarks:

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

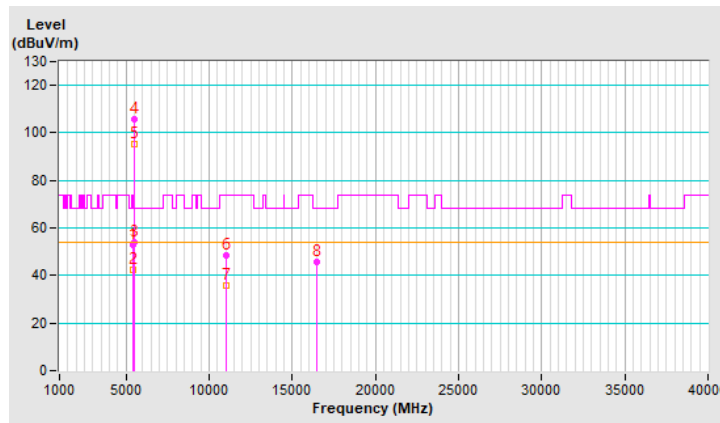


RF Mode	802.11ax (HE20)	Channel	CH 100 : 5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.1 PK	74.0	-20.9	1.94 V	256	48.3	4.8
2	5460.00	42.3 AV	54.0	-11.7	1.94 V	256	37.5	4.8
3	#5468.40	54.1 PK	68.2	-14.1	1.94 V	256	49.3	4.8
4	*5500.00	105.7 PK			1.94 V	256	100.8	4.9
5	*5500.00	95.3 AV			1.94 V	256	90.4	4.9
6	11000.00	48.4 PK	74.0	-25.6	1.81 V	2	33.8	14.6
7	11000.00	35.8 AV	54.0	-18.2	1.81 V	2	21.2	14.6
8	#16500.00	45.6 PK	68.2	-22.6	1.92 V	25	30.4	15.2

Remarks:

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



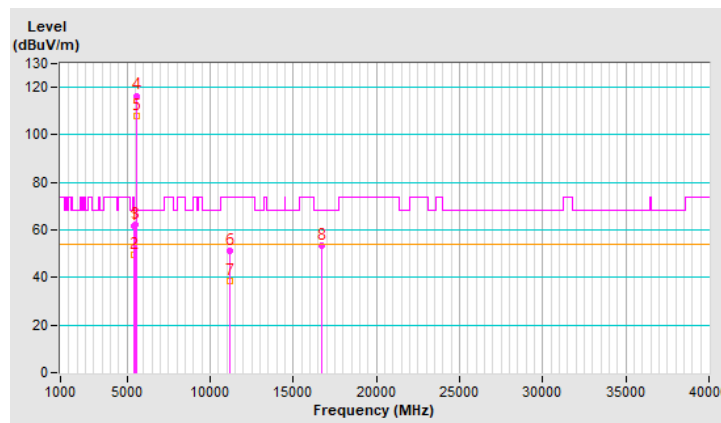
RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	2.41 H	176	57.0	4.8
2	5460.00	49.7 AV	54.0	-4.3	2.41 H	176	44.9	4.8
3	#5470.00	62.4 PK	68.2	-5.8	2.41 H	176	57.6	4.8
4	*5580.00	116.5 PK			2.41 H	176	111.6	4.9
5	*5580.00	108.0 AV			2.41 H	176	103.1	4.9
6	11160.00	51.3 PK	74.0	-22.7	1.11 H	11	36.9	14.4
7	11160.00	38.4 AV	54.0	-15.6	1.11 H	11	24.0	14.4
8	#16740.00	53.2 PK	68.2	-15.0	3.25 H	66	36.4	16.8

Remarks:

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

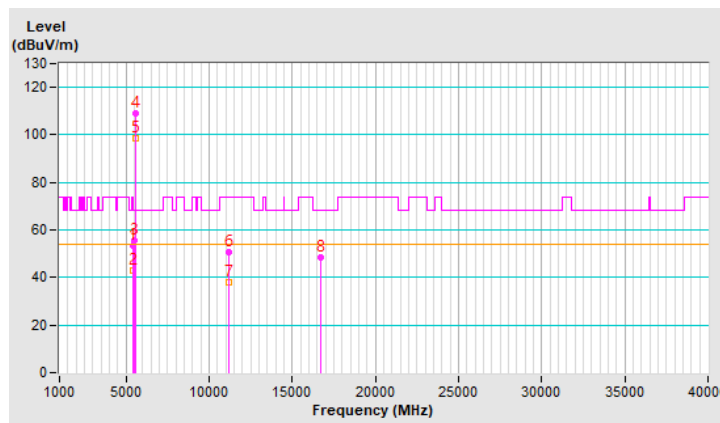


RF Mode	802.11ax (HE20)	Channel	CH 116 : 5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	53.2 PK	74.0	-20.8	1.93 V	268	48.4	4.8
2	5460.00	42.7 AV	54.0	-11.3	1.93 V	268	37.9	4.8
3	#5470.00	55.4 PK	68.2	-12.8	1.93 V	268	50.6	4.8
4	*5580.00	109.0 PK			1.93 V	268	104.1	4.9
5	*5580.00	98.4 AV			1.93 V	268	93.5	4.9
6	11160.00	50.7 PK	74.0	-23.3	1.81 V	3	36.3	14.4
7	11160.00	38.0 AV	54.0	-16.0	1.81 V	3	23.6	14.4
8	#16740.00	48.4 PK	68.2	-19.8	1.94 V	5	31.6	16.8

Remarks:

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



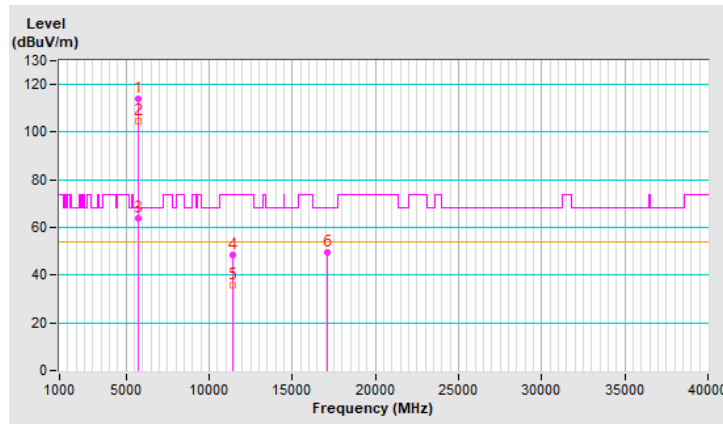
RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	114.1 PK			2.43 H	178	109.3	4.8
2	*5700.00	104.7 AV			2.43 H	178	99.9	4.8
3	#5725.00	63.9 PK	68.2	-4.3	2.43 H	178	59.1	4.8
4	11400.00	48.3 PK	74.0	-25.7	1.10 H	4	32.9	15.4
5	11400.00	35.9 AV	54.0	-18.1	1.10 H	4	20.5	15.4
6	#17100.00	49.7 PK	68.2	-18.5	3.21 H	84	31.2	18.5

Remarks:

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

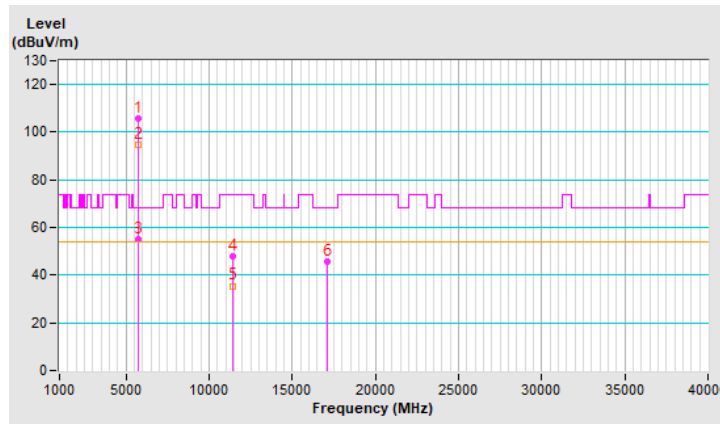


RF Mode	802.11ax (HE20)	Channel	CH 140 : 5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	105.5 PK			1.92 V	245	100.7	4.8
2	*5700.00	94.9 AV			1.92 V	245	90.1	4.8
3	#5725.00	55.1 PK	68.2	-13.1	1.92 V	245	50.3	4.8
4	11400.00	47.9 PK	74.0	-26.1	1.77 V	11	32.5	15.4
5	11400.00	35.5 AV	54.0	-18.5	1.77 V	11	20.1	15.4
6	#17100.00	45.5 PK	68.2	-22.7	1.93 V	20	27.0	18.5

Remarks:

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



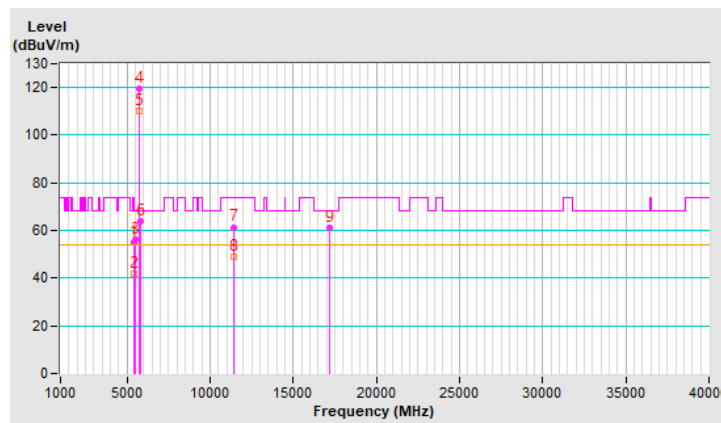
RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	55.2 PK	74.0	-18.8	2.43 H	174	50.4	4.8
2	5460.00	42.0 AV	54.0	-12.0	2.43 H	174	37.2	4.8
3	#5470.00	56.2 PK	68.2	-12.0	2.43 H	174	51.4	4.8
4	*5720.00	119.3 PK			2.43 H	174	114.5	4.8
5	*5720.00	110.3 AV			2.43 H	174	105.5	4.8
6	#5850.00	64.1 PK	68.2	-4.1	2.43 H	174	58.6	5.5
7	11440.00	61.4 PK	74.0	-12.6	1.05 H	28	46.1	15.3
8	11440.00	49.2 AV	54.0	-4.8	1.05 H	28	33.9	15.3
9	#17160.00	61.3 PK	68.2	-6.9	3.42 H	46	42.8	18.5

Remarks:

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

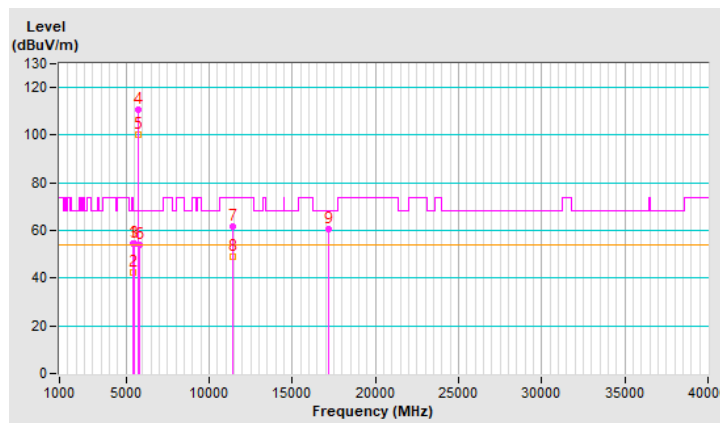


RF Mode	802.11ax (HE20)	Channel	CH 144 : 5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.3 PK	74.0	-19.7	1.96 V	271	49.5	4.8
2	5460.00	42.4 AV	54.0	-11.6	1.96 V	271	37.6	4.8
3	#5470.00	54.4 PK	68.2	-13.8	1.96 V	271	49.6	4.8
4	*5720.00	110.8 PK			1.96 V	271	106.0	4.8
5	*5720.00	100.4 AV			1.96 V	271	95.6	4.8
6	#5850.00	54.2 PK	68.2	-14.0	1.96 V	271	48.7	5.5
7	11440.00	61.7 PK	74.0	-12.3	1.05 V	30	46.4	15.3
8	11440.00	49.1 AV	54.0	-4.9	1.05 V	30	33.8	15.3
9	#17160.00	60.6 PK	68.2	-7.6	1.77 V	19	42.1	18.5

Remarks:

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



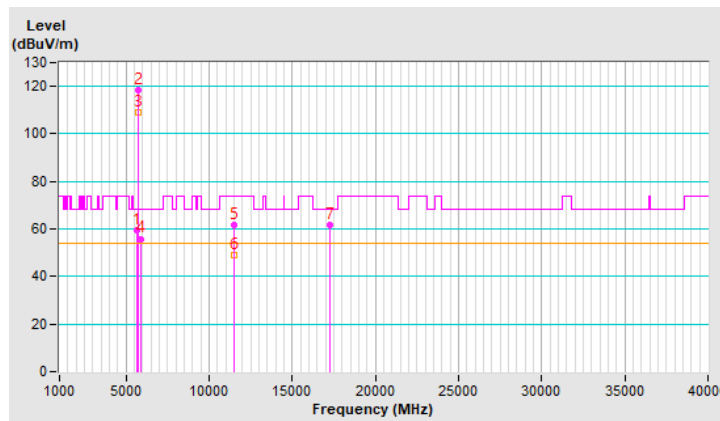
RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5646.99	59.5 PK	68.2	-8.7	2.53 H	174	54.5	5.0
2	*5745.00	118.4 PK			2.53 H	174	113.5	4.9
3	*5745.00	109.1 AV			2.53 H	174	104.2	4.9
4	#5933.51	55.9 PK	68.2	-12.3	2.53 H	174	50.2	5.7
5	11490.00	61.7 PK	74.0	-12.3	1.08 H	25	46.6	15.1
6	11490.00	49.2 AV	54.0	-4.8	1.08 H	25	34.1	15.1
7	#17235.00	61.5 PK	68.2	-6.7	3.43 H	42	42.9	18.6

Remarks:

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



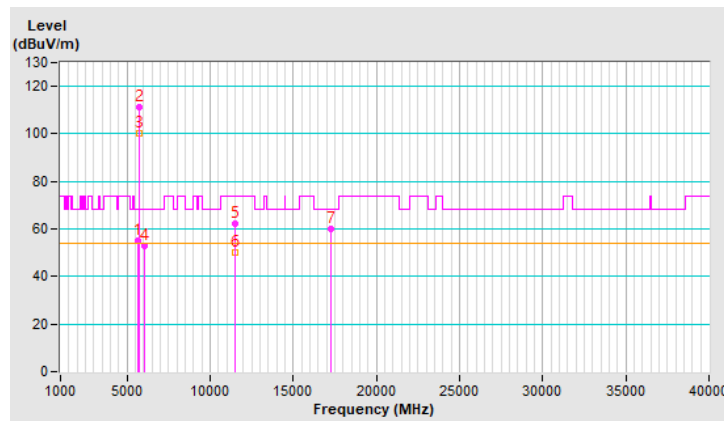
RF Mode	802.11ax (HE20)	Channel	CH 149 : 5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5635.87	55.2 PK	68.2	-13.0	1.22 V	244	50.2	5.0
2	*5745.00	111.3 PK			1.22 V	244	106.4	4.9
3	*5745.00	100.4 AV			1.22 V	244	95.5	4.9
4	#6014.48	53.1 PK	68.2	-15.1	1.22 V	244	47.6	5.5
5	11490.00	62.3 PK	74.0	-11.7	1.00 V	18	47.2	15.1
6	11490.00	49.9 AV	54.0	-4.1	1.00 V	18	34.8	15.1
7	#17235.00	60.1 PK	68.2	-8.1	1.73 V	8	41.5	18.6

Remarks:

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



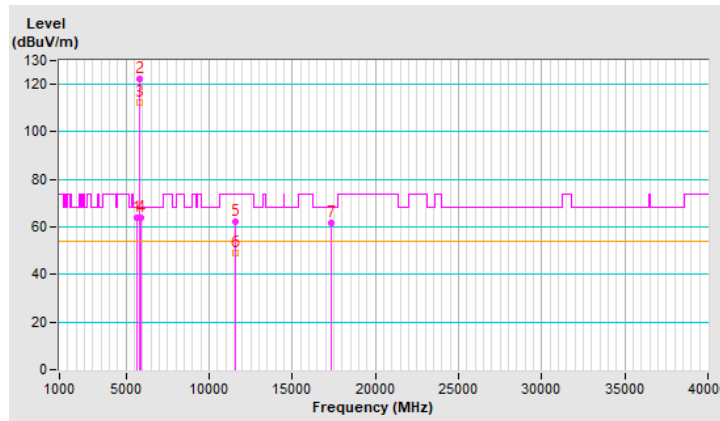
RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5623.83	64.0 PK	68.2	-4.2	2.48 H	181	59.1	4.9
2	*5785.00	122.3 PK			2.48 H	181	117.2	5.1
3	*5785.00	112.1 AV			2.48 H	181	107.0	5.1
4	#5931.42	63.9 PK	68.2	-4.3	2.48 H	181	58.2	5.7
5	11570.00	62.2 PK	74.0	-11.8	1.01 H	28	47.2	15.0
6	11570.00	49.2 AV	54.0	-4.8	1.01 H	28	34.2	15.0
7	#17355.00	61.5 PK	68.2	-6.7	3.35 H	53	42.9	18.6

Remarks:

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

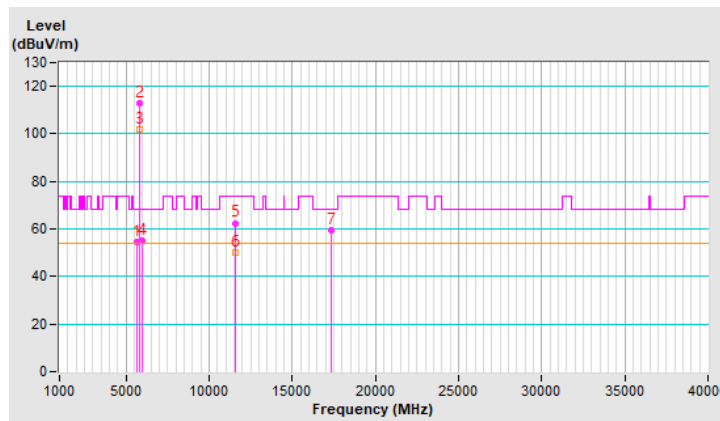


RF Mode	802.11ax (HE20)	Channel	CH 157 : 5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.19	54.7 PK	68.2	-13.5	1.20 V	243	49.7	5.0
2	*5785.00	112.7 PK			1.20 V	243	107.6	5.1
3	*5785.00	101.8 AV			1.20 V	243	96.7	5.1
4	#5936.34	55.2 PK	68.2	-13.0	1.20 V	243	49.5	5.7
5	11570.00	62.5 PK	74.0	-11.5	2.04 V	20	47.5	15.0
6	11570.00	49.9 AV	54.0	-4.1	2.04 V	20	34.9	15.0
7	#17355.00	59.7 PK	68.2	-8.5	1.77 V	9	41.1	18.6

Remarks:

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



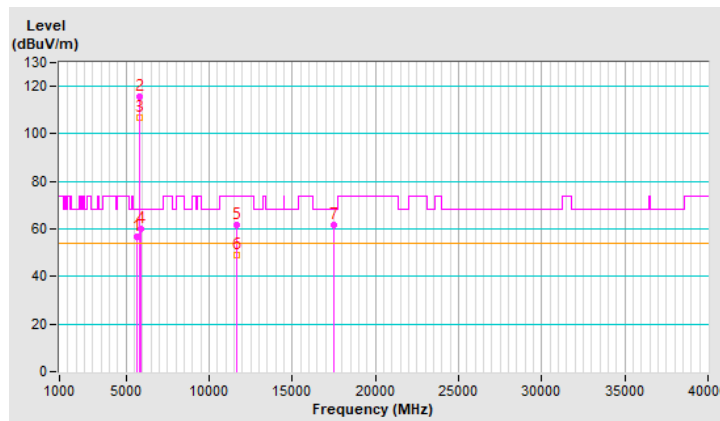
RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.69	56.5 PK	68.2	-11.7	2.35 H	181	51.5	5.0
2	*5825.00	115.7 PK			2.35 H	181	110.3	5.4
3	*5825.00	107.0 AV			2.35 H	181	101.6	5.4
4	#5925.51	60.1 PK	68.2	-8.1	2.35 H	181	54.4	5.7
5	11650.00	61.9 PK	74.0	-12.1	1.07 H	26	47.1	14.8
6	11650.00	49.1 AV	54.0	-4.9	1.07 H	26	34.3	14.8
7	#17475.00	61.7 PK	68.2	-6.5	3.38 H	55	43.2	18.5

Remarks:

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



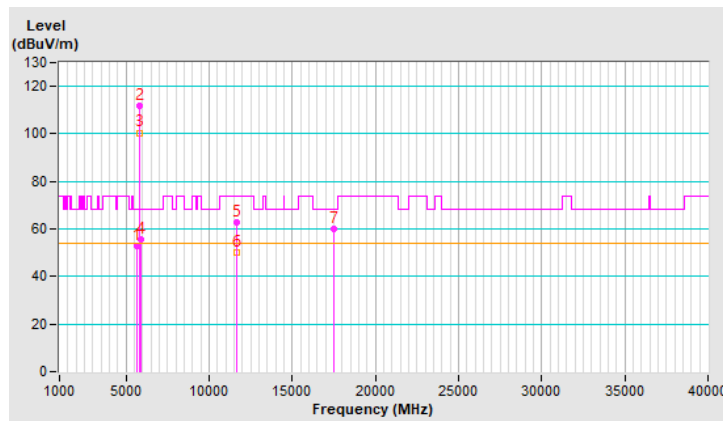
RF Mode	802.11ax (HE20)	Channel	CH 165 : 5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.66	52.9 PK	68.2	-15.3	2.05 V	251	47.8	5.1
2	*5825.00	111.7 PK			2.05 V	251	106.3	5.4
3	*5825.00	100.5 AV			2.05 V	251	95.1	5.4
4	#5926.20	55.6 PK	68.2	-12.6	2.05 V	251	49.9	5.7
5	11650.00	62.9 PK	74.0	-11.1	1.81 V	16	48.1	14.8
6	11650.00	49.9 AV	54.0	-4.1	1.81 V	16	35.1	14.8
7	#17475.00	59.8 PK	68.2	-8.4	1.75 V	17	41.3	18.5

Remarks:

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



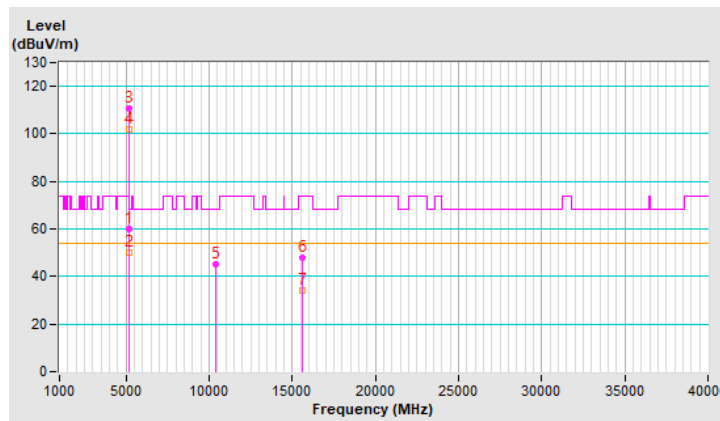
RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5148.67	60.1 PK	74.0	-13.9	2.70 H	173	55.4	4.7
2	5148.67	49.9 AV	54.0	-4.1	2.70 H	173	45.2	4.7
3	*5190.00	110.7 PK			2.70 H	173	106.2	4.5
4	*5190.00	101.9 AV			2.70 H	173	97.4	4.5
5	#10380.00	45.1 PK	68.2	-23.1	1.01 H	35	30.8	14.3
6	15570.00	47.7 PK	74.0	-26.3	3.15 H	59	34.0	13.7
7	15570.00	34.3 AV	54.0	-19.7	3.15 H	59	20.6	13.7

Remarks:

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

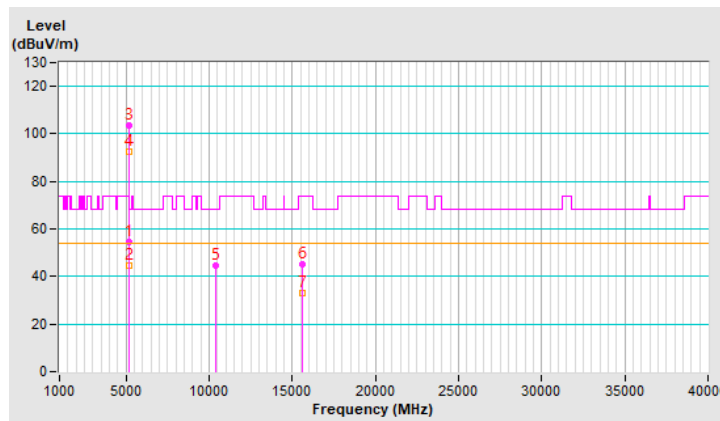


RF Mode	802.11ax (HE40)	Channel	CH 38 : 5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	5150.00	54.3 PK	74.0	-19.7	3.56 V	133	49.7	4.6
2	5150.00	44.4 AV	54.0	-9.6	3.56 V	133	39.8	4.6
3	*5190.00	103.3 PK			3.56 V	133	98.8	4.5
4	*5190.00	92.7 AV			3.56 V	133	88.2	4.5
5	#10380.00	44.6 PK	68.2	-23.6	1.79 V	39	30.3	14.3
6	15570.00	45.4 PK	74.0	-28.6	1.88 V	33	31.7	13.7
7	15570.00	32.8 AV	54.0	-21.2	1.88 V	33	19.1	13.7

Remarks:

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



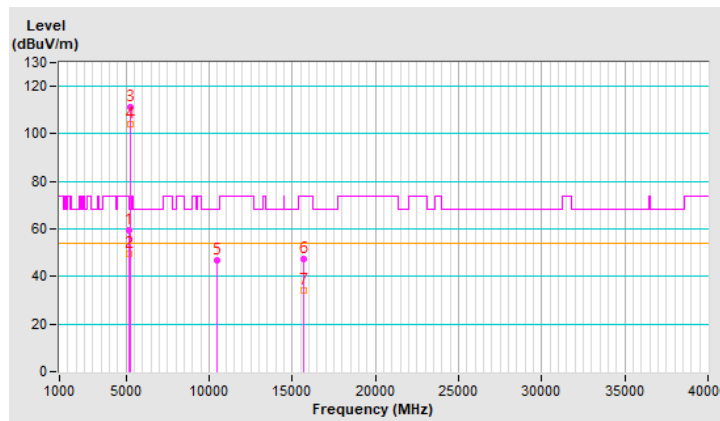
RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	2.27 H	159	55.1	4.6
2	5150.00	49.7 AV	54.0	-4.3	2.27 H	159	45.1	4.6
3	*5230.00	111.5 PK			2.27 H	159	107.0	4.5
4	*5230.00	104.2 AV			2.27 H	159	99.7	4.5
5	#10460.00	46.8 PK	68.2	-21.4	1.07 H	21	32.4	14.4
6	15690.00	47.4 PK	74.0	-26.6	3.20 H	66	34.0	13.4
7	15690.00	34.0 AV	54.0	-20.0	3.20 H	66	20.6	13.4

Remarks:

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

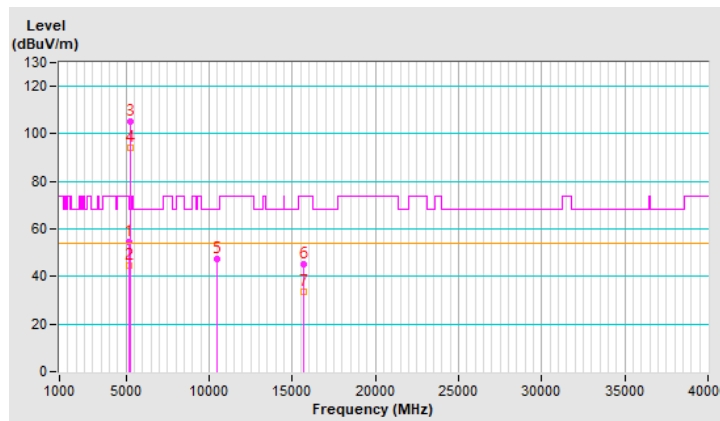


RF Mode	802.11ax (HE40)	Channel	CH 46 : 5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	54.4 PK	74.0	-19.6	3.58 V	140	49.8	4.6
2	5150.00	44.6 AV	54.0	-9.4	3.58 V	140	40.0	4.6
3	*5230.00	105.1 PK			3.58 V	140	100.6	4.5
4	*5230.00	94.3 AV			3.58 V	140	89.8	4.5
5	#10460.00	47.1 PK	68.2	-21.1	1.78 V	35	32.7	14.4
6	15690.00	45.3 PK	74.0	-28.7	1.85 V	43	31.9	13.4
7	15690.00	33.6 AV	54.0	-20.4	1.85 V	43	20.2	13.4

Remarks:

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



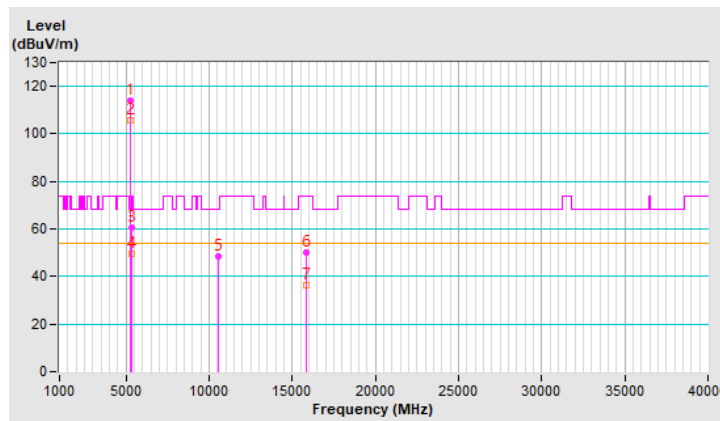
RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	113.8 PK			2.25 H	164	109.5	4.3
2	*5270.00	105.7 AV			2.25 H	164	101.4	4.3
3	5350.00	60.4 PK	74.0	-13.6	2.25 H	164	55.8	4.6
4	5350.00	49.7 AV	54.0	-4.3	2.25 H	164	45.1	4.6
5	#10540.00	48.6 PK	68.2	-19.6	1.01 H	9	34.4	14.2
6	15810.00	50.0 PK	74.0	-24.0	3.24 H	63	36.4	13.6
7	15810.00	36.3 AV	54.0	-17.7	3.24 H	63	22.7	13.6

Remarks:

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



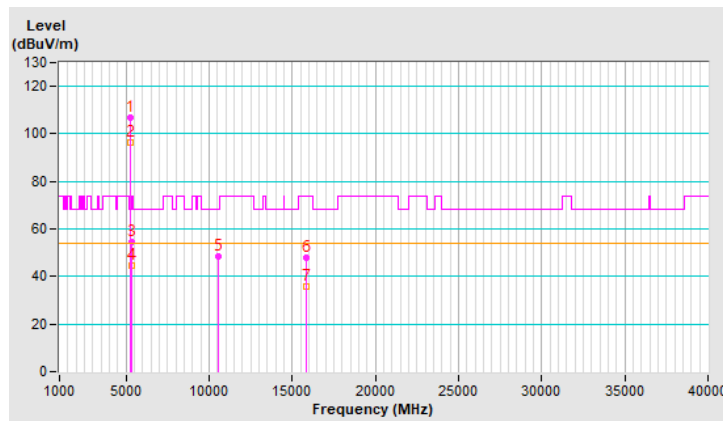
RF Mode	802.11ax (HE40)	Channel	CH 54 : 5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5270.00	107.0 PK			1.26 V	248	102.7	4.3
2	*5270.00	96.3 AV			1.26 V	248	92.0	4.3
3	5350.00	54.7 PK	74.0	-19.3	1.26 V	248	50.1	4.6
4	5350.00	44.7 AV	54.0	-9.3	1.26 V	248	40.1	4.6
5	#10540.00	48.7 PK	68.2	-19.5	1.79 V	24	34.5	14.2
6	15810.00	48.0 PK	74.0	-26.0	1.90 V	35	34.4	13.6
7	15810.00	36.0 AV	54.0	-18.0	1.90 V	35	22.4	13.6

Remarks:

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



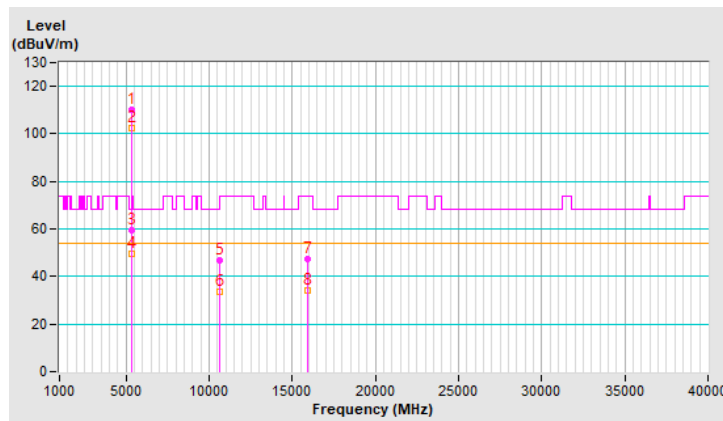
RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	110.2 PK			2.29 H	190	105.8	4.4
2	*5310.00	102.6 AV			2.29 H	190	98.2	4.4
3	5350.00	59.7 PK	74.0	-14.3	2.29 H	190	55.1	4.6
4	5350.00	49.7 AV	54.0	-4.3	2.29 H	190	45.1	4.6
5	10620.00	46.7 PK	74.0	-27.3	1.01 H	37	32.7	14.0
6	10620.00	33.4 AV	54.0	-20.6	1.01 H	37	19.4	14.0
7	15930.00	47.3 PK	74.0	-26.7	3.20 H	75	33.8	13.5
8	15930.00	34.2 AV	54.0	-19.8	3.20 H	75	20.7	13.5

Remarks:

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

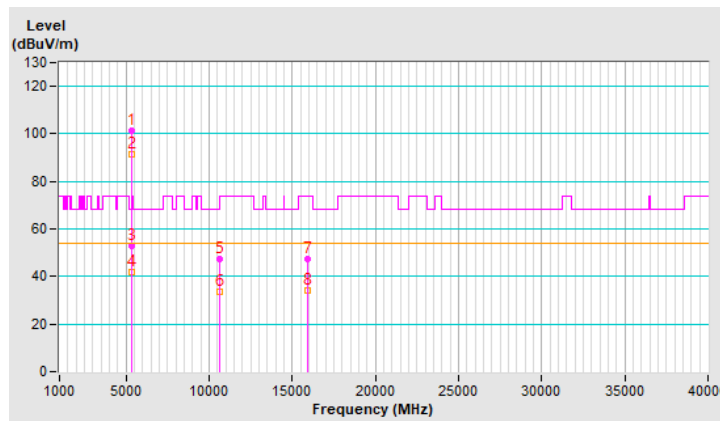


RF Mode	802.11ax (HE40)	Channel	CH 62 : 5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	101.2 PK			1.08 V	255	96.8	4.4
2	*5310.00	91.5 AV			1.08 V	255	87.1	4.4
3	5350.00	52.8 PK	74.0	-21.2	1.08 V	255	48.2	4.6
4	5350.00	41.8 AV	54.0	-12.2	1.08 V	255	37.2	4.6
5	10620.00	47.1 PK	74.0	-26.9	1.82 V	21	33.1	14.0
6	10620.00	33.7 AV	54.0	-20.3	1.82 V	21	19.7	14.0
7	15930.00	47.6 PK	74.0	-26.4	1.87 V	48	34.1	13.5
8	15930.00	34.3 AV	54.0	-19.7	1.87 V	48	20.8	13.5

Remarks:

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



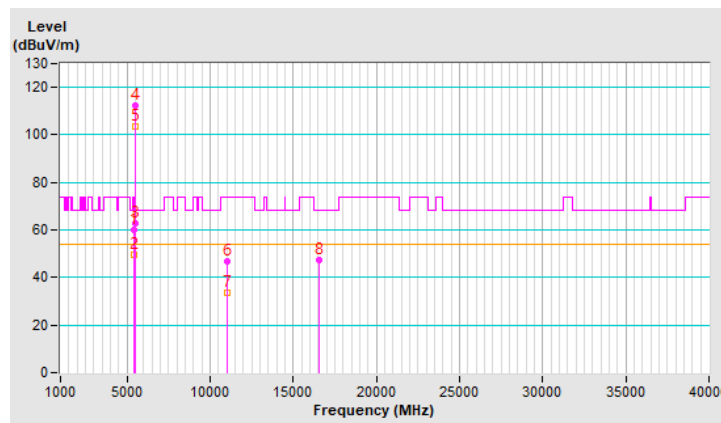
RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5457.42	60.2 PK	74.0	-13.8	2.31 H	170	55.4	4.8
2	5457.42	49.8 AV	54.0	-4.2	2.31 H	170	45.0	4.8
3	#5469.56	63.0 PK	68.2	-5.2	2.31 H	170	58.2	4.8
4	*5510.00	112.2 PK			2.31 H	170	107.3	4.9
5	*5510.00	103.6 AV			2.31 H	170	98.7	4.9
6	11020.00	47.0 PK	74.0	-27.0	1.02 H	48	32.5	14.5
7	11020.00	33.5 AV	54.0	-20.5	1.02 H	48	19.0	14.5
8	#16530.00	47.4 PK	68.2	-20.8	3.15 H	68	32.0	15.4

Remarks:

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

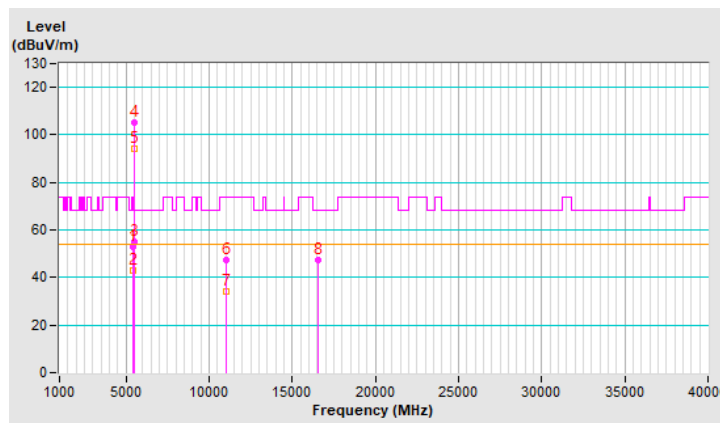


RF Mode	802.11ax (HE40)	Channel	CH 102 : 5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.9 PK	74.0	-21.1	1.22 V	257	48.1	4.8
2	5460.00	42.9 AV	54.0	-11.1	1.22 V	257	38.1	4.8
3	#5461.10	55.2 PK	68.2	-13.0	1.22 V	257	50.4	4.8
4	*5510.00	105.1 PK			1.22 V	257	100.2	4.9
5	*5510.00	94.1 AV			1.22 V	257	89.2	4.9
6	11020.00	47.2 PK	74.0	-26.8	1.85 V	19	32.7	14.5
7	11020.00	33.9 AV	54.0	-20.1	1.85 V	19	19.4	14.5
8	#16530.00	47.5 PK	68.2	-20.7	1.81 V	38	32.1	15.4

Remarks:

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



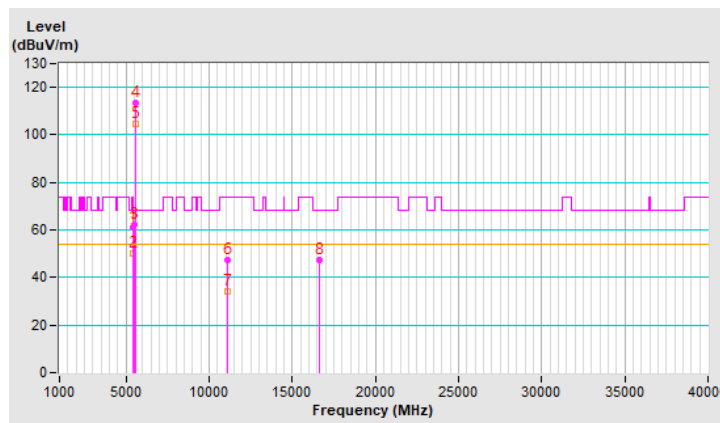
RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.3 PK	74.0	-12.7	2.22 H	175	56.5	4.8
2	5460.00	49.9 AV	54.0	-4.1	2.22 H	175	45.1	4.8
3	#5470.00	62.2 PK	68.2	-6.0	2.22 H	175	57.4	4.8
4	*5550.00	113.4 PK			2.22 H	175	108.5	4.9
5	*5550.00	104.7 AV			2.22 H	175	99.8	4.9
6	11100.00	47.2 PK	74.0	-26.8	1.00 H	47	32.8	14.4
7	11100.00	33.9 AV	54.0	-20.1	1.00 H	47	19.5	14.4
8	#16650.00	47.3 PK	68.2	-20.9	3.14 H	57	31.2	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.

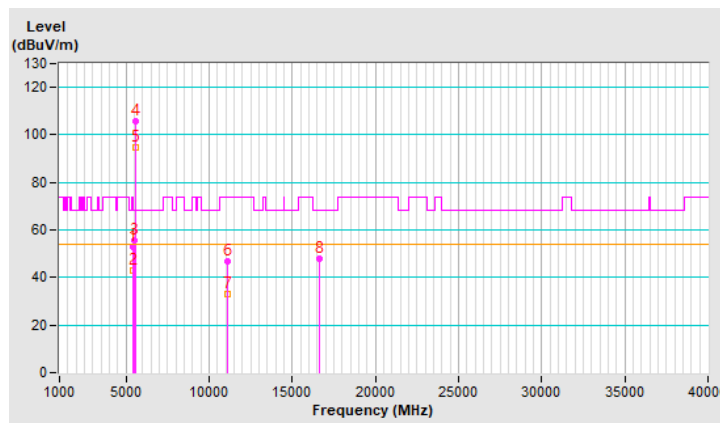


RF Mode	802.11ax (HE40)	Channel	CH 110 : 5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.9 PK	74.0	-21.1	1.19 V	261	48.1	4.8
2	5460.00	43.0 AV	54.0	-11.0	1.19 V	261	38.2	4.8
3	#5470.00	55.6 PK	68.2	-12.6	1.19 V	261	50.8	4.8
4	*5550.00	105.5 PK			1.19 V	261	100.6	4.9
5	*5550.00	94.5 AV			1.19 V	261	89.6	4.9
6	11100.00	46.6 PK	74.0	-27.4	1.82 V	28	32.2	14.4
7	11100.00	33.1 AV	54.0	-20.9	1.82 V	28	18.7	14.4
8	#16650.00	47.9 PK	68.2	-20.3	1.83 V	40	31.8	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.



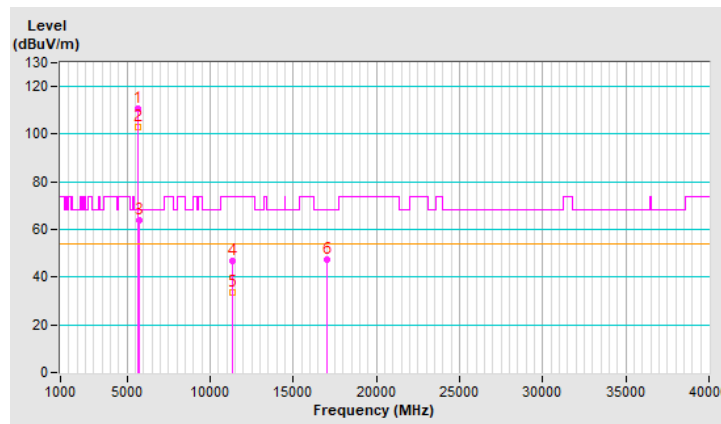
RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	110.5 PK			2.45 H	172	105.6	4.9
2	*5670.00	103.2 AV			2.45 H	172	98.3	4.9
3	#5725.00	63.7 PK	68.2	-4.5	2.45 H	172	58.9	4.8
4	11340.00	47.0 PK	74.0	-27.0	1.02 H	44	31.7	15.3
5	11340.00	33.6 AV	54.0	-20.4	1.02 H	44	18.3	15.3
6	#17010.00	47.4 PK	68.2	-20.8	3.16 H	60	28.7	18.7

Remarks:

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

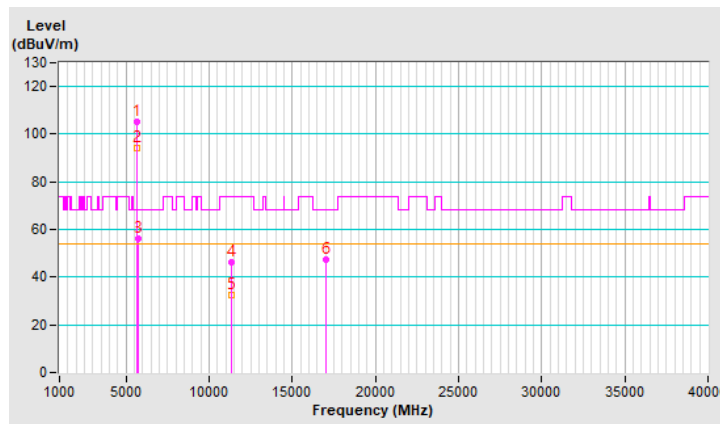


RF Mode	802.11ax (HE40)	Channel	CH 134 : 5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	105.4 PK			1.24 V	247	100.5	4.9
2	*5670.00	94.3 AV			1.24 V	247	89.4	4.9
3	#5725.00	56.2 PK	68.2	-12.0	1.24 V	247	51.4	4.8
4	11340.00	46.1 PK	74.0	-27.9	1.79 V	22	30.8	15.3
5	11340.00	32.5 AV	54.0	-21.5	1.79 V	22	17.2	15.3
6	#17010.00	47.1 PK	68.2	-21.1	1.93 V	38	28.4	18.7

Remarks:

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



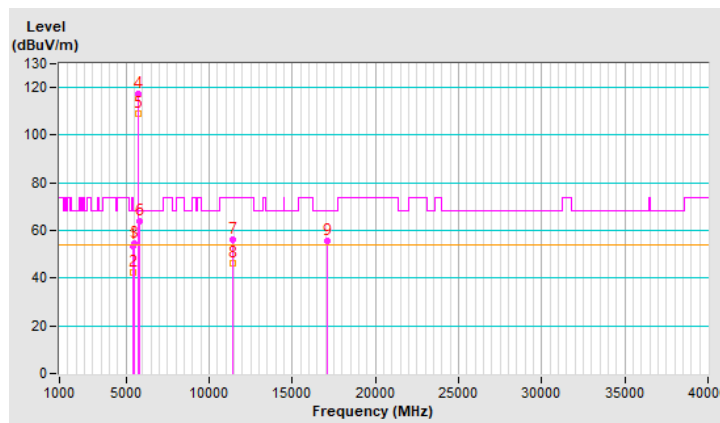
RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	53.7 PK	74.0	-20.3	2.42 H	181	48.9	4.8
2	5460.00	42.5 AV	54.0	-11.5	2.42 H	181	37.7	4.8
3	#5470.00	54.6 PK	68.2	-13.6	2.42 H	181	49.8	4.8
4	*5710.00	117.4 PK			2.42 H	181	112.6	4.8
5	*5710.00	108.9 AV			2.42 H	181	104.1	4.8
6	#5850.00	63.8 PK	68.2	-4.4	2.42 H	181	58.3	5.5
7	11420.00	56.0 PK	74.0	-18.0	1.12 H	9	40.6	15.4
8	11420.00	46.2 AV	54.0	-7.8	1.12 H	9	30.8	15.4
9	#17130.00	55.7 PK	68.2	-12.5	3.27 H	73	37.3	18.4

Remarks:

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

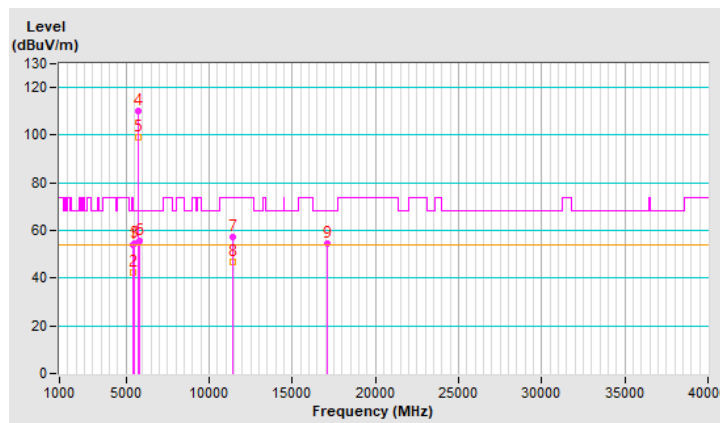


RF Mode	802.11ax (HE40)	Channel	CH 142 : 5710 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	1.20 V	257	49.0	4.8
2	5460.00	42.5 AV	54.0	-11.5	1.20 V	257	37.7	4.8
3	#5470.00	54.6 PK	68.2	-13.6	1.20 V	257	49.8	4.8
4	*5710.00	110.4 PK			1.20 V	257	105.6	4.8
5	*5710.00	99.3 AV			1.20 V	257	94.5	4.8
6	#5850.00	55.8 PK	68.2	-12.4	1.20 V	257	50.3	5.5
7	11420.00	57.4 PK	74.0	-16.6	1.07 V	9	42.0	15.4
8	11420.00	46.7 AV	54.0	-7.3	1.07 V	9	31.3	15.4
9	#17130.00	54.4 PK	68.2	-13.8	1.84 V	24	36.0	18.4

Remarks:

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



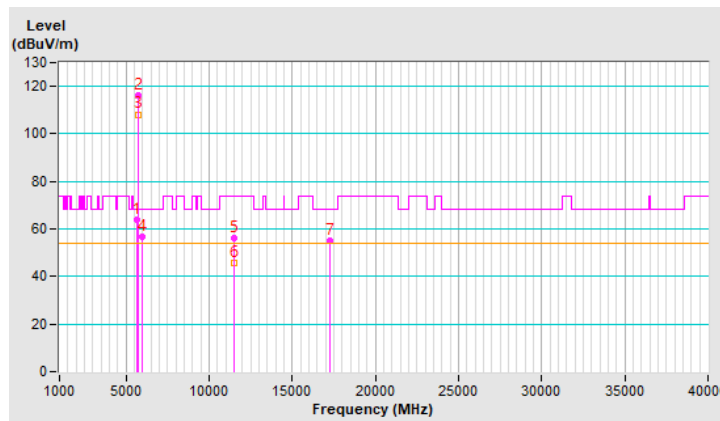
RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5636.10	63.8 PK	68.2	-4.4	2.31 H	170	58.8	5.0
2	*5755.00	116.1 PK			2.31 H	170	111.2	4.9
3	*5755.00	108.2 AV			2.31 H	170	103.3	4.9
4	#5937.81	56.7 PK	68.2	-11.5	2.31 H	170	51.0	5.7
5	11510.00	56.2 PK	74.0	-17.8	1.11 H	21	41.2	15.0
6	11510.00	45.9 AV	54.0	-8.1	1.11 H	21	30.9	15.0
7	#17265.00	55.3 PK	68.2	-12.9	3.35 H	79	36.7	18.6

Remarks:

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

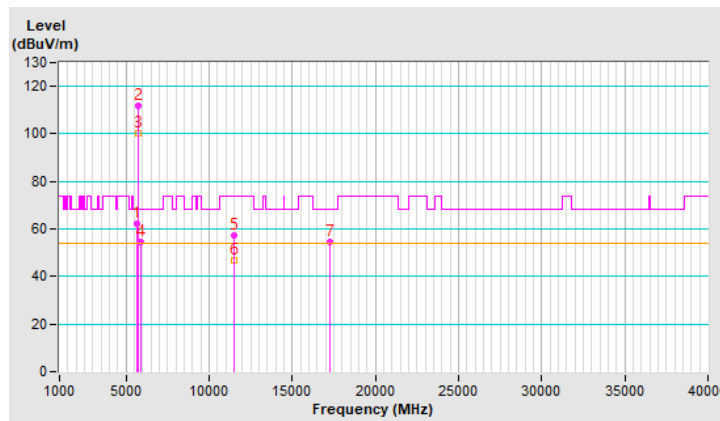


RF Mode	802.11ax (HE40)	Channel	CH 151 : 5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5645.32	62.2 PK	68.2	-6.0	2.07 V	255	57.2	5.0
2	*5755.00	111.6 PK			2.07 V	255	106.7	4.9
3	*5755.00	100.2 AV			2.07 V	255	95.3	4.9
4	#5926.03	54.5 PK	68.2	-13.7	2.07 V	255	48.8	5.7
5	11510.00	57.4 PK	74.0	-16.6	1.04 V	12	42.4	15.0
6	11510.00	46.7 AV	54.0	-7.3	1.04 V	12	31.7	15.0
7	#17265.00	54.5 PK	68.2	-13.7	1.78 V	34	35.9	18.6

Remarks:

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



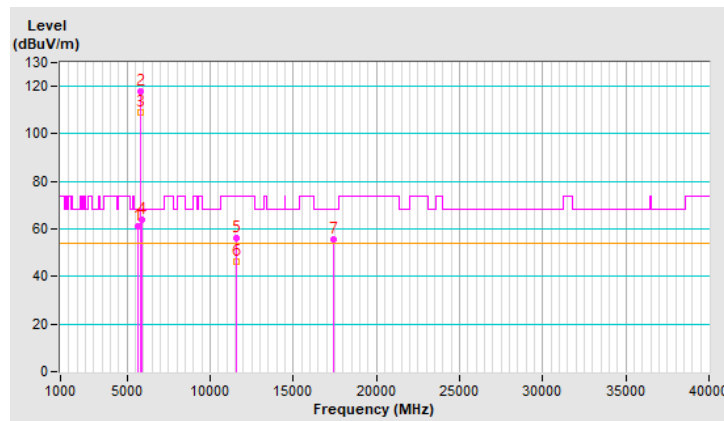
RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.72	61.3 PK	68.2	-6.9	2.29 H	183	56.3	5.0
2	*5795.00	117.8 PK			2.29 H	183	112.7	5.1
3	*5795.00	109.1 AV			2.29 H	183	104.0	5.1
4	#5925.62	64.0 PK	68.2	-4.2	2.29 H	183	58.3	5.7
5	11590.00	56.2 PK	74.0	-17.8	1.08 H	18	41.3	14.9
6	11590.00	46.1 AV	54.0	-7.9	1.08 H	18	31.2	14.9
7	#17385.00	55.7 PK	68.2	-12.5	3.33 H	65	37.1	18.6

Remarks:

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

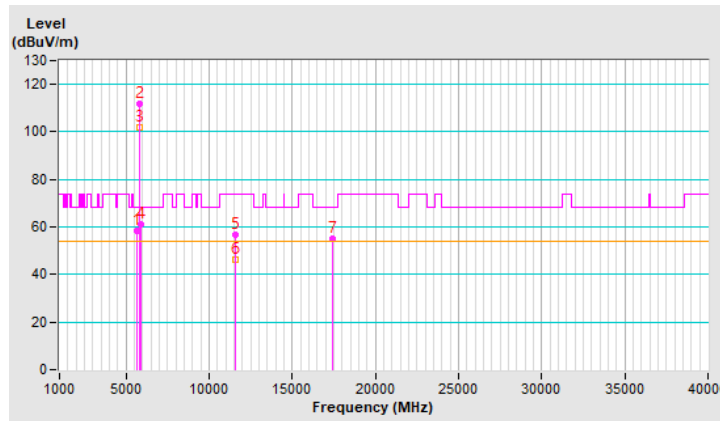


RF Mode	802.11ax (HE40)	Channel	CH 159 : 5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 2 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5637.78	58.3 PK	68.2	-9.9	2.20 V	253	53.3	5.0
2	*5795.00	111.8 PK			2.20 V	253	106.7	5.1
3	*5795.00	101.8 AV			2.20 V	253	96.7	5.1
4	#5927.91	61.3 PK	68.2	-6.9	2.20 V	253	55.6	5.7
5	11590.00	56.7 PK	74.0	-17.3	1.01 V	11	41.8	14.9
6	11590.00	46.3 AV	54.0	-7.7	1.01 V	11	31.4	14.9
7	#17385.00	54.9 PK	68.2	-13.3	1.74 V	29	36.3	18.6

Remarks:

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



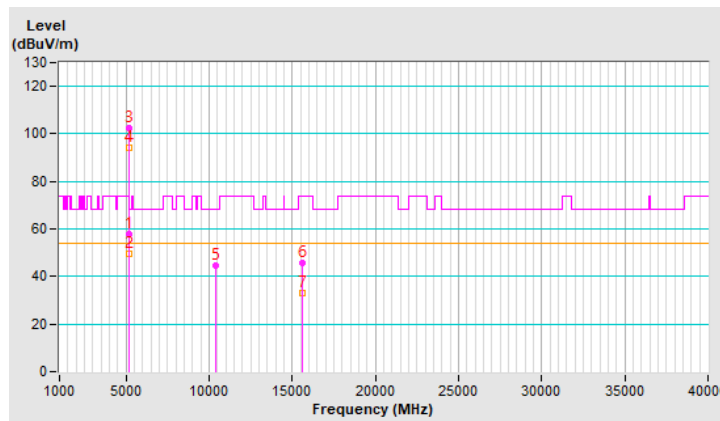
RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5149.27	58.0 PK	74.0	-16.0	2.30 H	161	53.3	4.7
2	5149.27	49.7 AV	54.0	-4.3	2.30 H	161	45.0	4.7
3	*5210.00	102.5 PK			2.30 H	161	98.0	4.5
4	*5210.00	94.1 AV			2.30 H	161	89.6	4.5
5	#10420.00	44.6 PK	68.2	-23.6	1.00 H	22	30.2	14.4
6	15630.00	45.7 PK	74.0	-28.3	3.19 H	81	32.2	13.5
7	15630.00	33.2 AV	54.0	-20.8	3.19 H	81	19.7	13.5

Remarks:

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



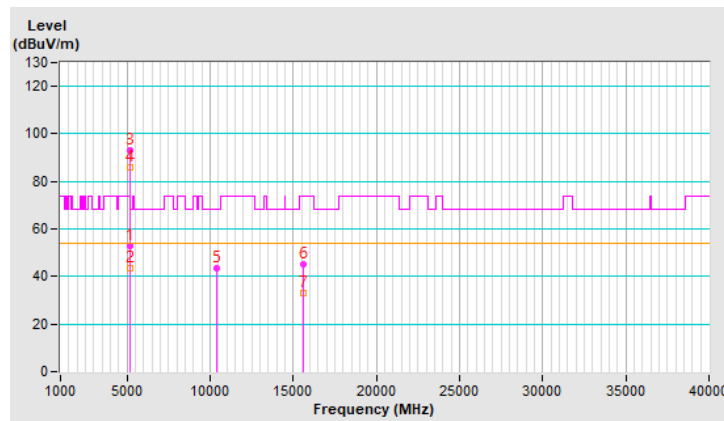
RF Mode	802.11ax (HE80)	Channel	CH 42 : 5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (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	52.8 PK	74.0	-21.2	3.87 V	123	48.2	4.6
2	5150.00	43.7 AV	54.0	-10.3	3.87 V	123	39.1	4.6
3	*5210.00	93.1 PK			3.87 V	123	88.6	4.5
4	*5210.00	85.9 AV			3.87 V	123	81.4	4.5
5	#10420.00	43.7 PK	68.2	-24.5	1.82 V	37	29.3	14.4
6	15630.00	45.3 PK	74.0	-28.7	1.90 V	38	31.8	13.5
7	15630.00	32.8 AV	54.0	-21.2	1.90 V	38	19.3	13.5

Remarks:

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



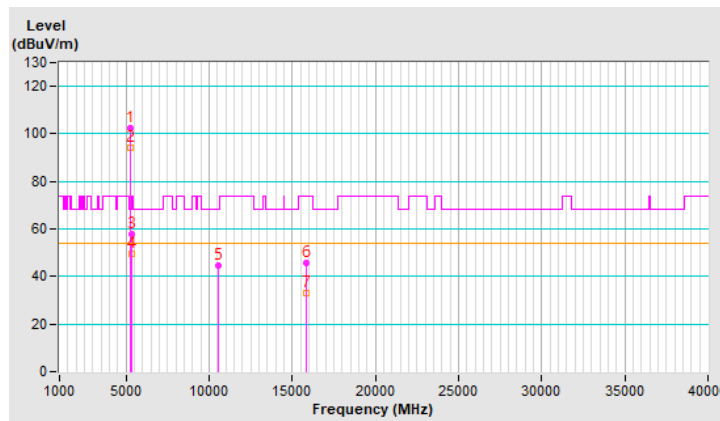
RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	102.6 PK			2.33 H	169	98.2	4.4
2	*5290.00	94.4 AV			2.33 H	169	90.0	4.4
3	5350.13	57.7 PK	74.0	-16.3	2.33 H	169	53.1	4.6
4	5350.13	49.8 AV	54.0	-4.2	2.33 H	169	45.2	4.6
5	#10580.00	44.6 PK	68.2	-23.6	1.03 H	35	30.5	14.1
6	15870.00	45.7 PK	74.0	-28.3	3.21 H	85	32.2	13.5
7	15870.00	33.0 AV	54.0	-21.0	3.21 H	85	19.5	13.5

Remarks:

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



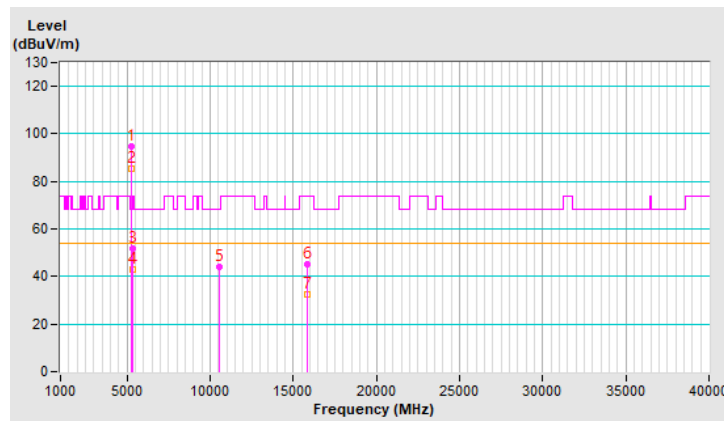
RF Mode	802.11ax (HE80)	Channel	CH 58 : 5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5290.00	94.6 PK			2.16 V	28	90.2	4.4
2	*5290.00	85.6 AV			2.16 V	28	81.2	4.4
3	5350.00	51.7 PK	74.0	-22.3	2.16 V	28	47.1	4.6
4	5350.00	42.8 AV	54.0	-11.2	2.16 V	28	38.2	4.6
5	#10580.00	44.3 PK	68.2	-23.9	1.79 V	48	30.2	14.1
6	15870.00	44.9 PK	74.0	-29.1	1.86 V	39	31.4	13.5
7	15870.00	32.4 AV	54.0	-21.6	1.86 V	39	18.9	13.5

Remarks:

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



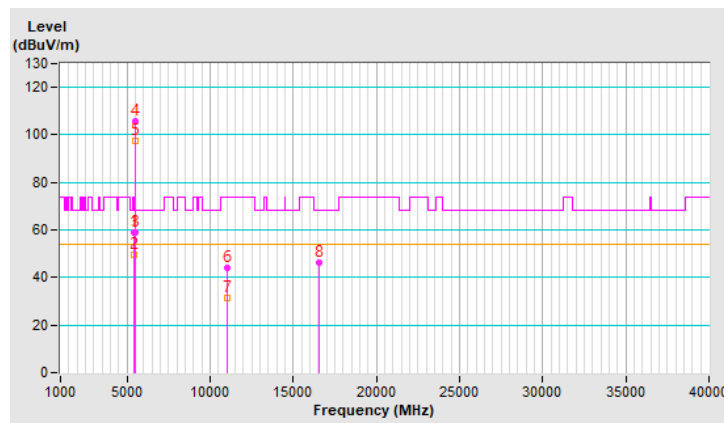
RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5458.00	58.8 PK	74.0	-15.2	2.34 H	169	54.0	4.8
2	5458.00	49.7 AV	54.0	-4.3	2.34 H	169	44.9	4.8
3	#5465.50	59.1 PK	68.2	-9.1	2.34 H	169	54.3	4.8
4	*5530.00	105.5 PK			2.34 H	169	100.6	4.9
5	*5530.00	97.3 AV			2.34 H	169	92.4	4.9
6	11060.00	44.2 PK	74.0	-29.8	1.01 H	11	29.8	14.4
7	11060.00	31.3 AV	54.0	-22.7	1.01 H	11	16.9	14.4
8	#16590.00	46.3 PK	68.2	-21.9	3.23 H	66	30.6	15.7

Remarks:

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

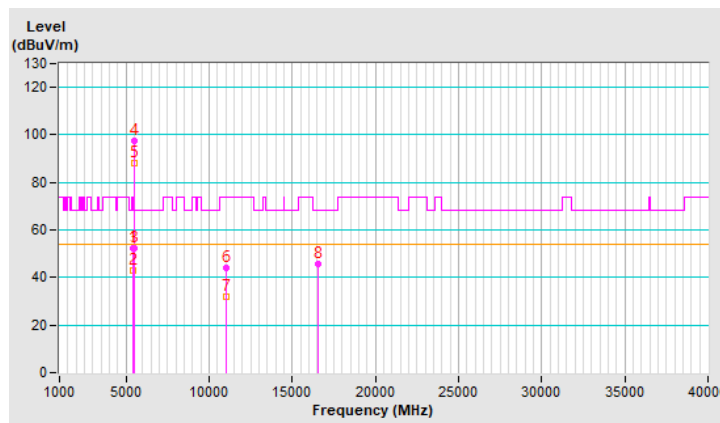


RF Mode	802.11ax (HE80)	Channel	CH 106 : 5530 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5458.04	52.2 PK	74.0	-21.8	2.80 V	254	47.4	4.8
2	5458.04	42.7 AV	54.0	-11.3	2.80 V	254	37.9	4.8
3	#5469.70	52.4 PK	68.2	-15.8	2.80 V	254	47.6	4.8
4	*5530.00	97.4 PK			2.80 V	254	92.5	4.9
5	*5530.00	88.2 AV			2.80 V	254	83.3	4.9
6	11060.00	44.1 PK	74.0	-29.9	1.85 V	49	29.7	14.4
7	11060.00	32.1 AV	54.0	-21.9	1.85 V	49	17.7	14.4
8	#16590.00	45.9 PK	68.2	-22.3	1.85 V	46	30.2	15.7

Remarks:

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



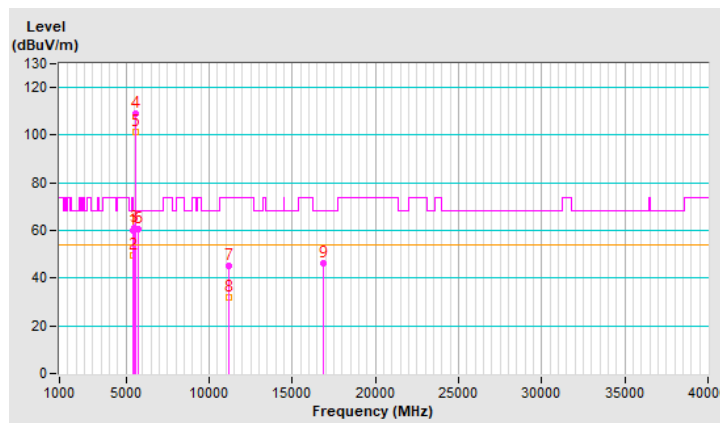
RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.1 PK	74.0	-13.9	2.37 H	169	55.3	4.8
2	5460.00	49.6 AV	54.0	-4.4	2.37 H	169	44.8	4.8
3	#5470.00	61.2 PK	68.2	-7.0	2.37 H	169	56.4	4.8
4	*5610.00	109.2 PK			2.37 H	169	104.3	4.9
5	*5610.00	101.1 AV			2.37 H	169	96.2	4.9
6	#5725.00	60.5 PK	68.2	-7.7	2.37 H	169	55.7	4.8
7	11220.00	44.9 PK	74.0	-29.1	1.05 H	8	30.4	14.5
8	11220.00	31.7 AV	54.0	-22.3	1.05 H	8	17.2	14.5
9	#16830.00	46.1 PK	68.2	-22.1	3.27 H	52	28.7	17.4

Remarks:

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

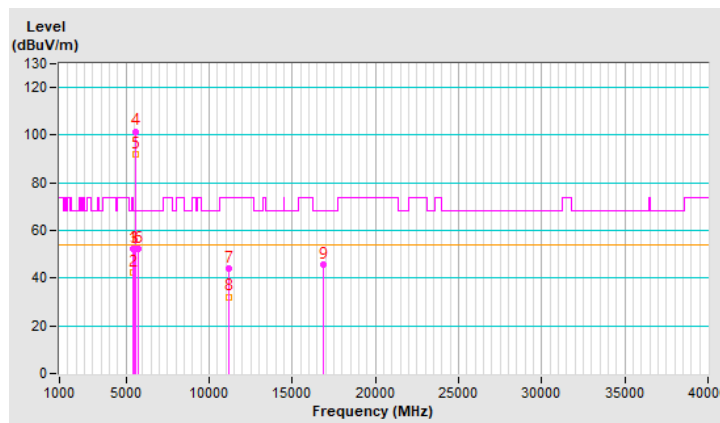


RF Mode	802.11ax (HE80)	Channel	CH 122 : 5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.2 PK	74.0	-21.8	2.76 V	248	47.4	4.8
2	5460.00	42.4 AV	54.0	-11.6	2.76 V	248	37.6	4.8
3	#5470.00	52.1 PK	68.2	-16.1	2.76 V	248	47.3	4.8
4	*5610.00	101.6 PK			2.76 V	248	96.7	4.9
5	*5610.00	92.2 AV			2.76 V	248	87.3	4.9
6	#5725.00	52.4 PK	68.2	-15.8	2.76 V	248	47.6	4.8
7	11220.00	44.2 PK	74.0	-29.8	1.81 V	34	29.7	14.5
8	11220.00	32.2 AV	54.0	-21.8	1.81 V	34	17.7	14.5
9	#16830.00	45.7 PK	68.2	-22.5	1.80 V	51	28.3	17.4

Remarks:

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



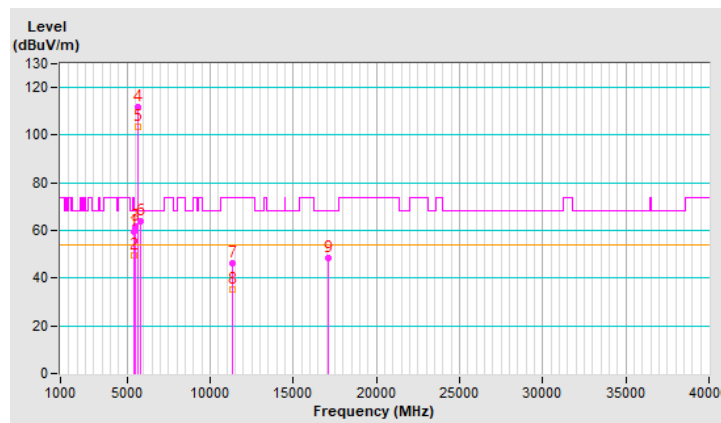
RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (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	59.7 PK	74.0	-14.3	2.56 H	177	54.9	4.8
2	5460.00	49.8 AV	54.0	-4.2	2.56 H	177	45.0	4.8
3	#5470.00	61.5 PK	68.2	-6.7	2.56 H	177	56.7	4.8
4	*5690.00	111.8 PK			2.56 H	177	107.0	4.8
5	*5690.00	103.7 AV			2.56 H	177	98.9	4.8
6	#5850.00	63.9 PK	68.2	-4.3	2.56 H	177	58.4	5.5
7	11380.00	46.4 PK	74.0	-27.6	1.01 H	10	30.9	15.5
8	11380.00	35.4 AV	54.0	-18.6	1.01 H	10	19.9	15.5
9	#17070.00	48.6 PK	68.2	-19.6	3.28 H	59	30.0	18.6

Remarks:

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

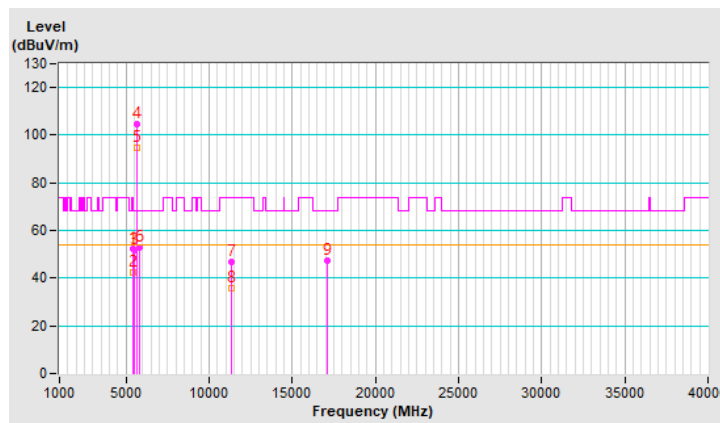


RF Mode	802.11ax (HE80)	Channel	CH 138 : 5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	52.4 PK	74.0	-21.6	2.81 V	247	47.6	4.8
2	5460.00	42.5 AV	54.0	-11.5	2.81 V	247	37.7	4.8
3	#5470.00	51.7 PK	68.2	-16.5	2.81 V	247	46.9	4.8
4	*5690.00	104.4 PK			2.81 V	247	99.6	4.8
5	*5690.00	94.7 AV			2.81 V	247	89.9	4.8
6	#5850.00	52.8 PK	68.2	-15.4	2.81 V	247	47.3	5.5
7	11380.00	46.6 PK	74.0	-27.4	1.80 V	36	31.1	15.5
8	11380.00	35.7 AV	54.0	-18.3	1.80 V	36	20.2	15.5
9	#17070.00	47.2 PK	68.2	-21.0	1.88 V	48	28.6	18.6

Remarks:

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



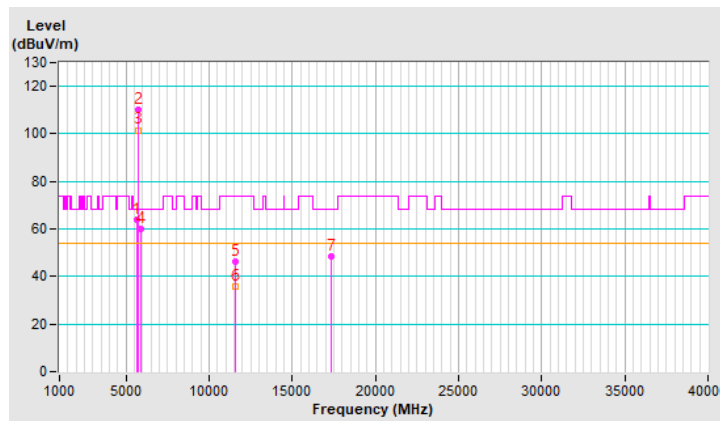
RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	#5643.09	63.8 PK	68.2	-4.4	2.30 H	181	58.8	5.0
2	*5775.00	110.3 PK			2.30 H	181	105.3	5.0
3	*5775.00	101.6 AV			2.30 H	181	96.6	5.0
4	#5925.51	60.2 PK	68.2	-8.0	2.30 H	181	54.5	5.7
5	11550.00	46.4 PK	74.0	-27.6	1.04 H	0	31.4	15.0
6	11550.00	35.7 AV	54.0	-18.3	1.04 H	0	20.7	15.0
7	#17325.00	48.7 PK	68.2	-19.5	3.31 H	70	30.1	18.6

Remarks:

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

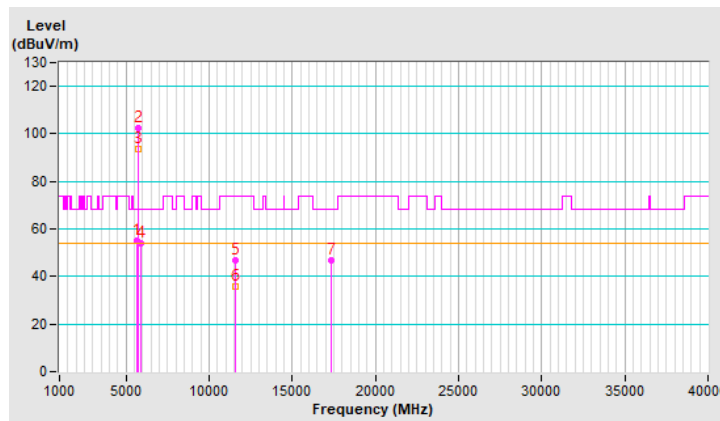


RF Mode	802.11ax (HE80)	Channel	CH 155 : 5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 5.1 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 69% RH
Tested By	Nelson Teng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.87	55.1 PK	68.2	-13.1	1.20 V	244	50.1	5.0
2	*5775.00	102.4 PK			1.20 V	244	97.4	5.0
3	*5775.00	93.5 AV			1.20 V	244	88.5	5.0
4	#5925.44	54.1 PK	68.2	-14.1	1.20 V	244	48.4	5.7
5	11550.00	46.8 PK	74.0	-27.2	1.80 V	46	31.8	15.0
6	11550.00	35.8 AV	54.0	-18.2	1.80 V	46	20.8	15.0
7	#17325.00	46.9 PK	68.2	-21.3	1.91 V	58	28.3	18.6

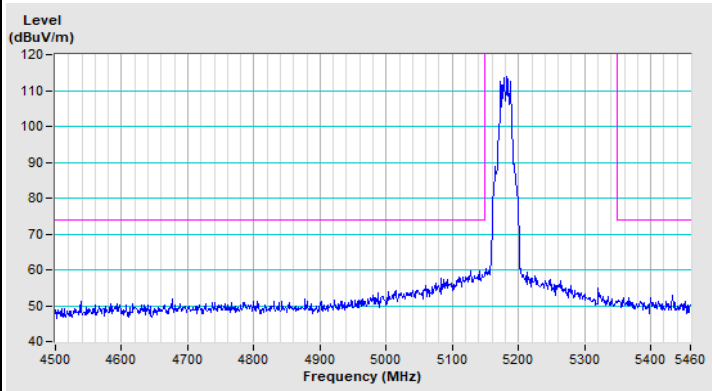
Remarks:

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

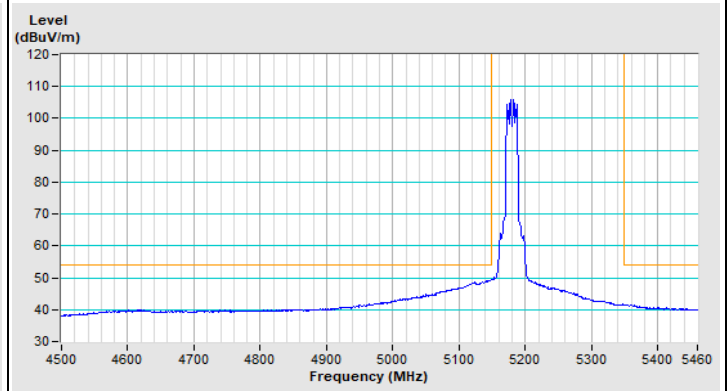


Plot of Band Edge

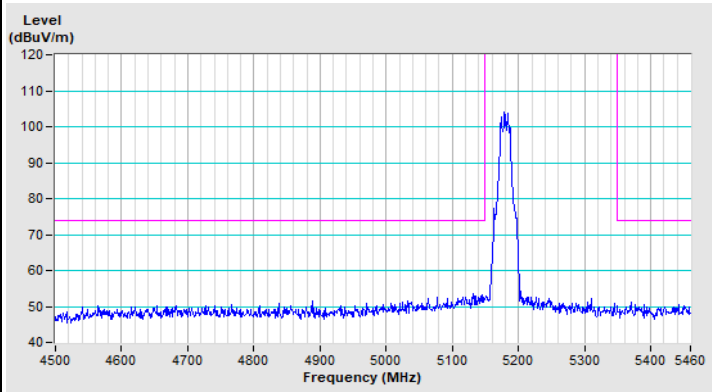
802.11a Channel 36



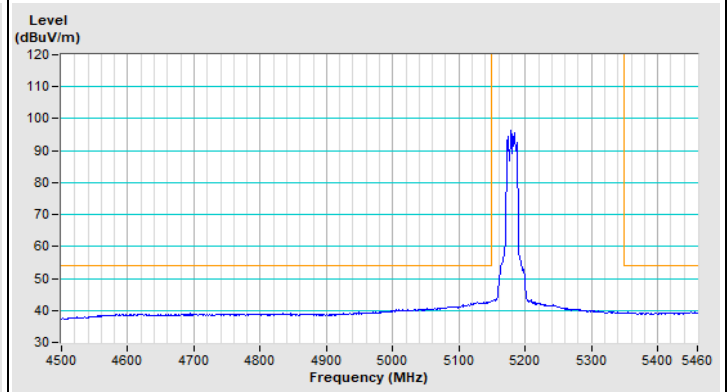
Horizontal (Peak)



Horizontal (Average)

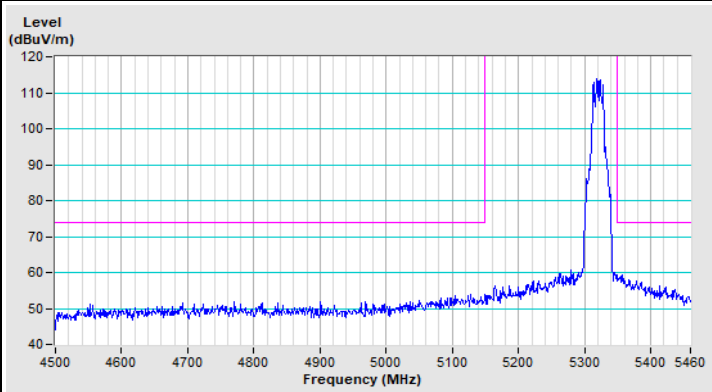


Vertical (Peak)

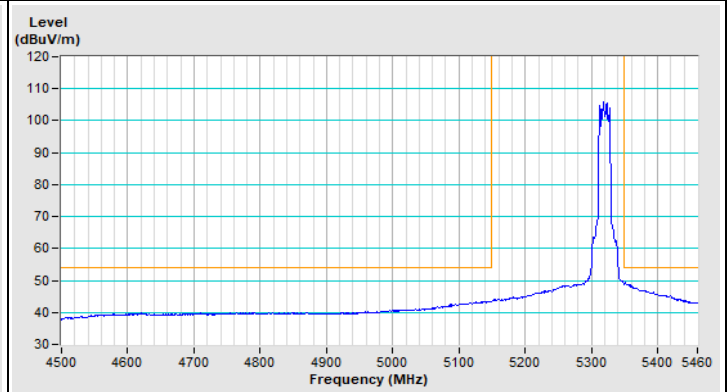


Vertical (Average)

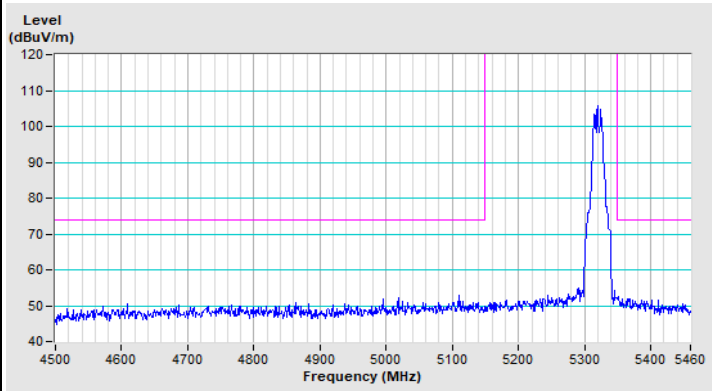
802.11a Channel 64



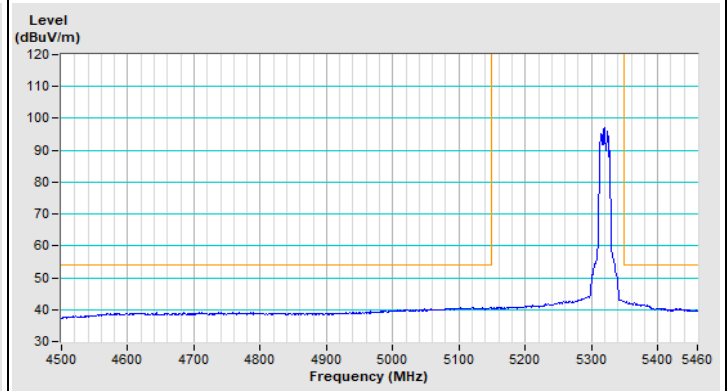
Horizontal (Peak)



Horizontal (Average)

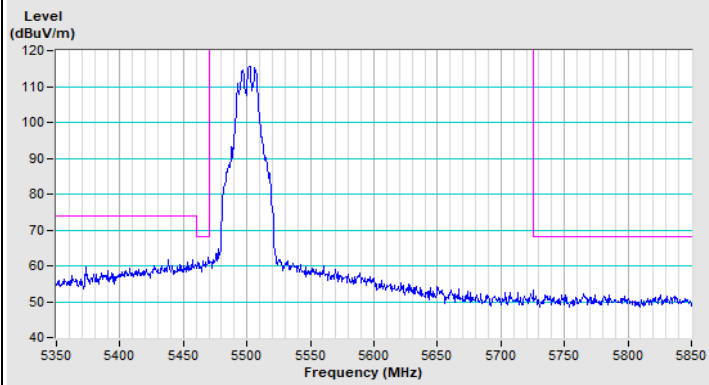


Vertical (Peak)

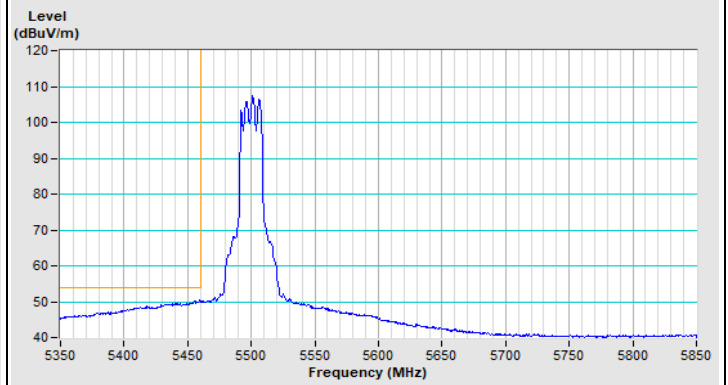


Vertical (Average)

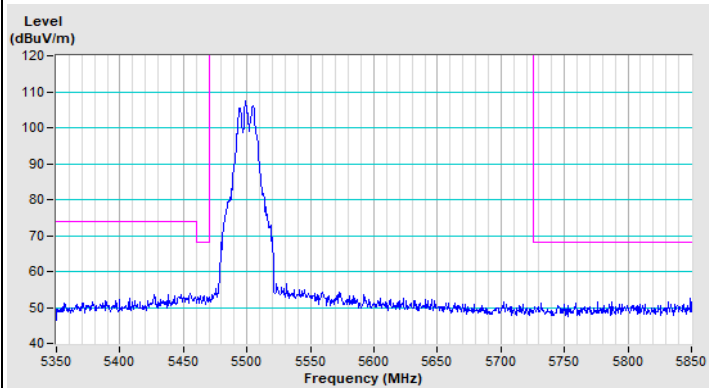
802.11a Channel 100



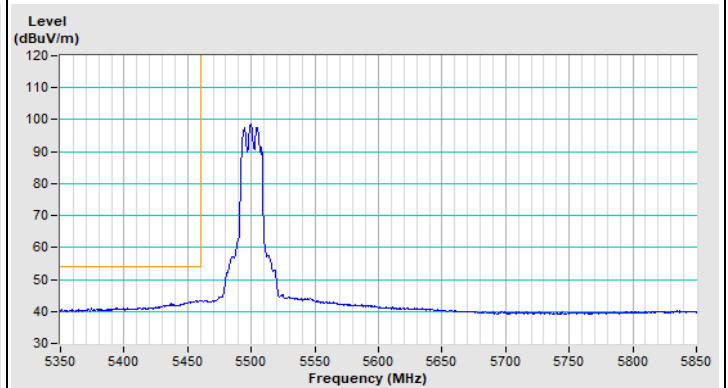
Horizontal (Peak)



Horizontal (Average)

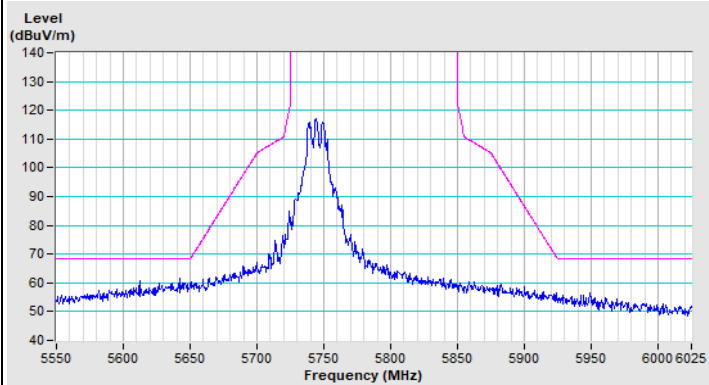


Vertical (Peak)

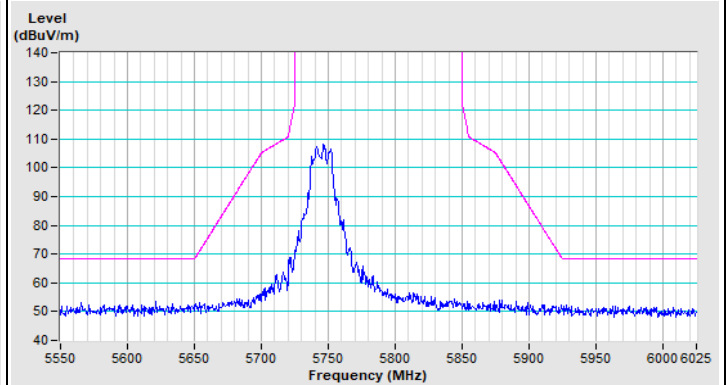


Vertical (Average)

802.11a Channel 149

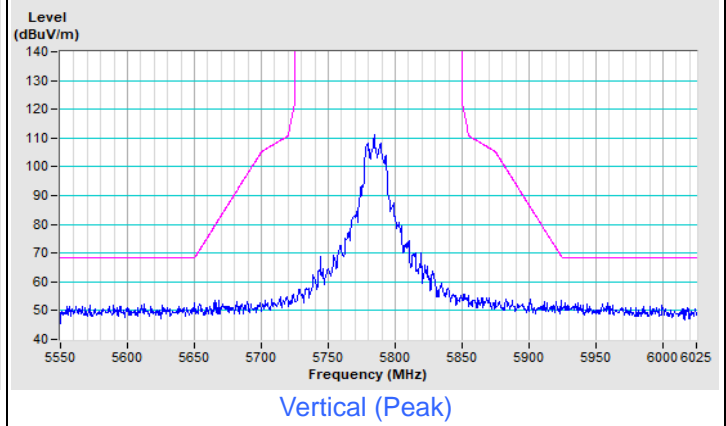
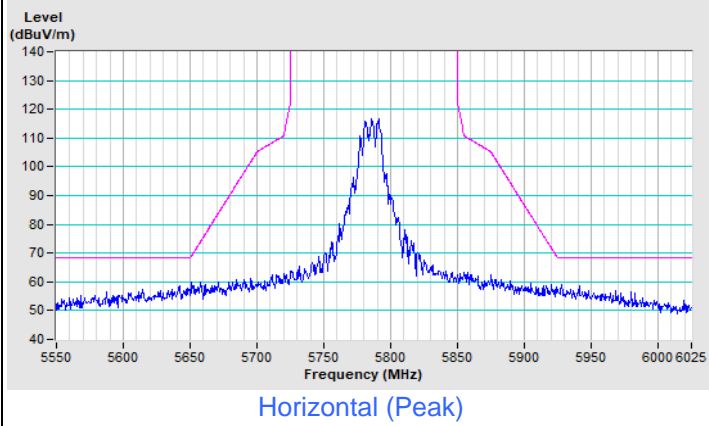


Horizontal (Peak)

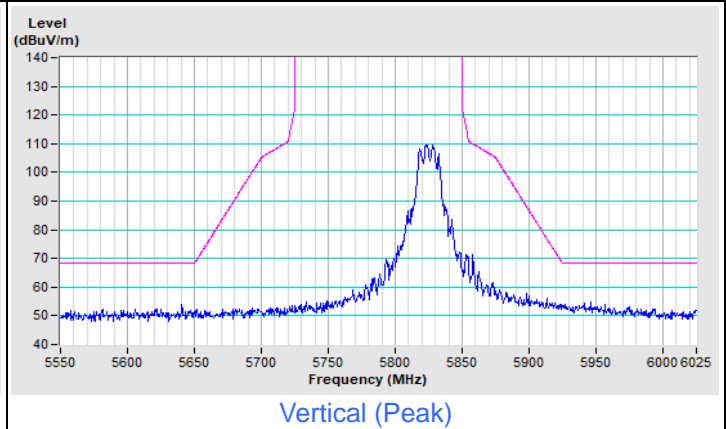
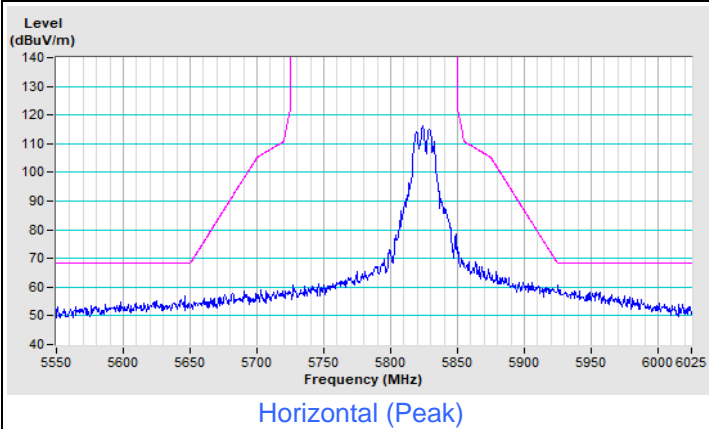


Vertical (Peak)

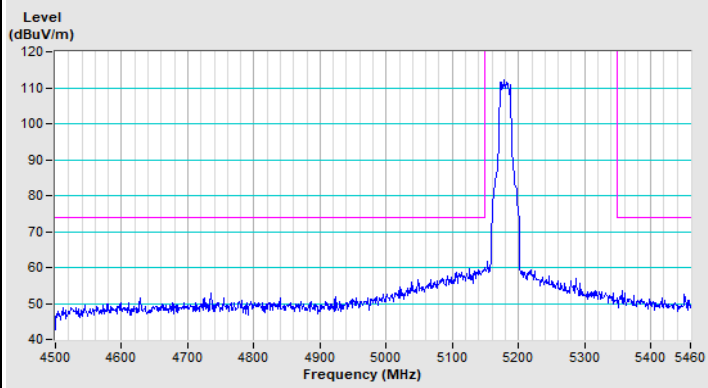
802.11a Channel 157



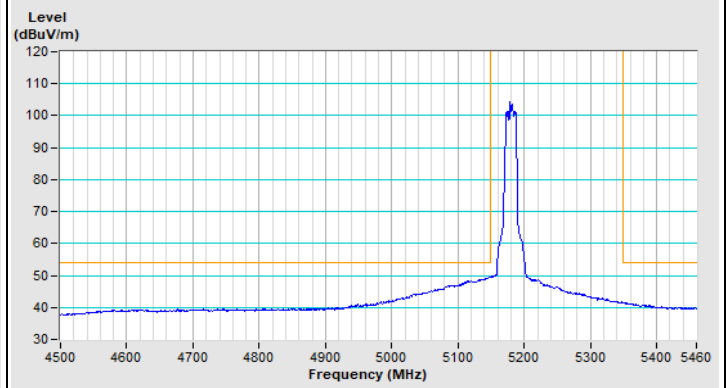
802.11a Channel 165



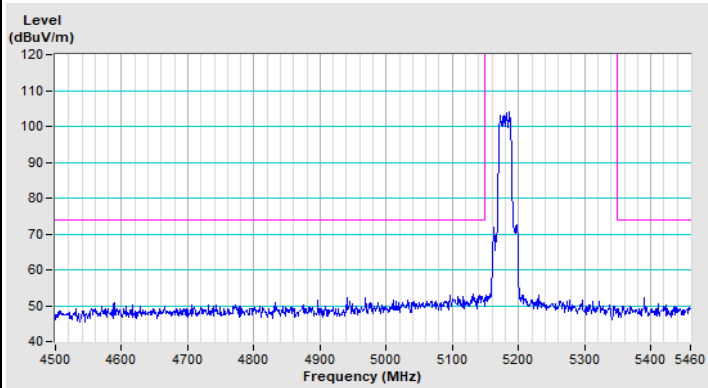
802.11ax (HE20) Channel 36



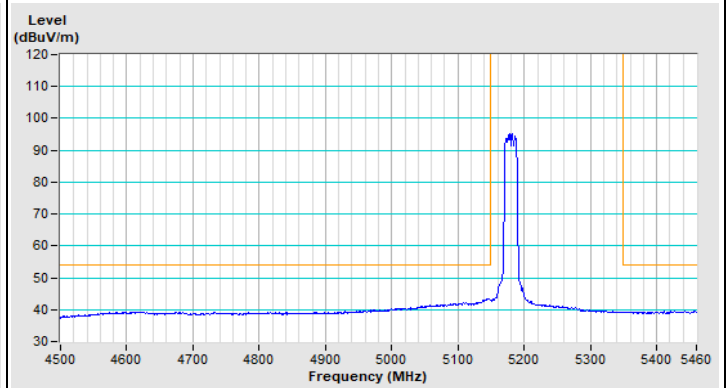
Horizontal (Peak)



Horizontal (Average)

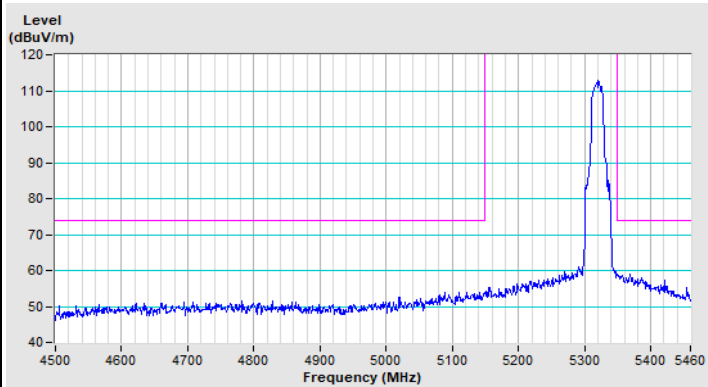


Vertical (Peak)

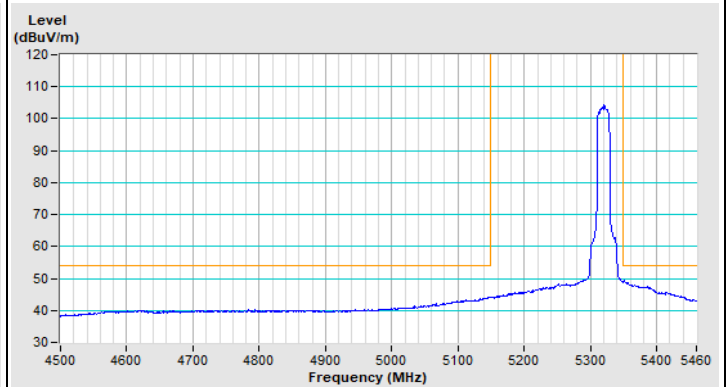


Vertical (Average)

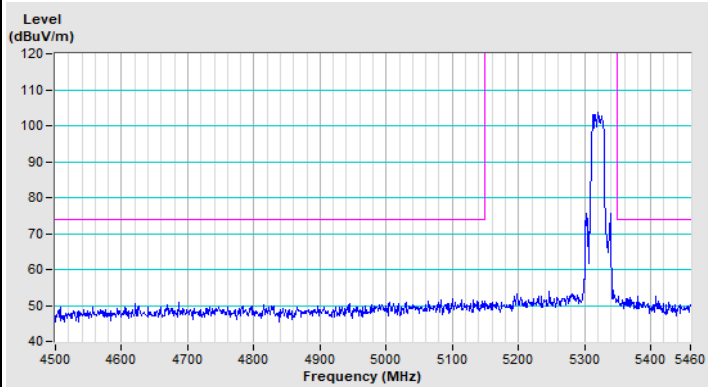
802.11ax (HE20) Channel 64



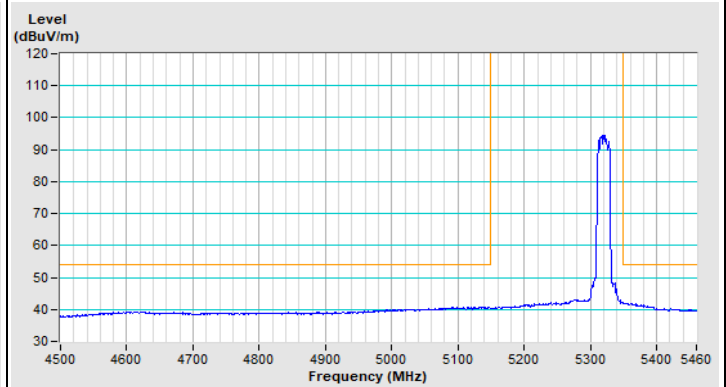
Horizontal (Peak)



Horizontal (Average)

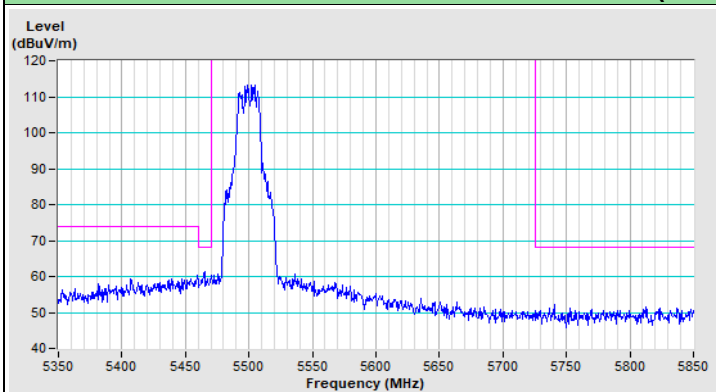


Vertical (Peak)

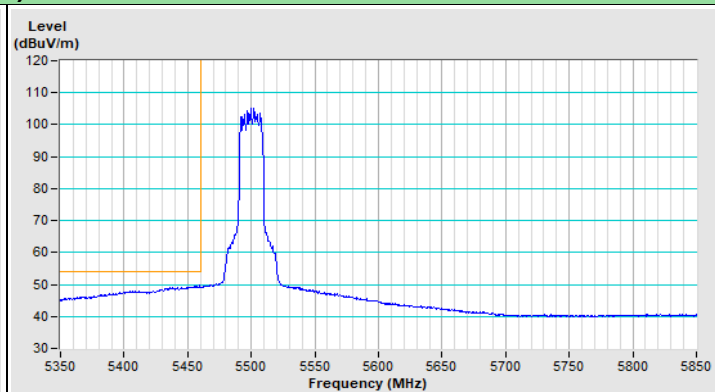


Vertical (Average)

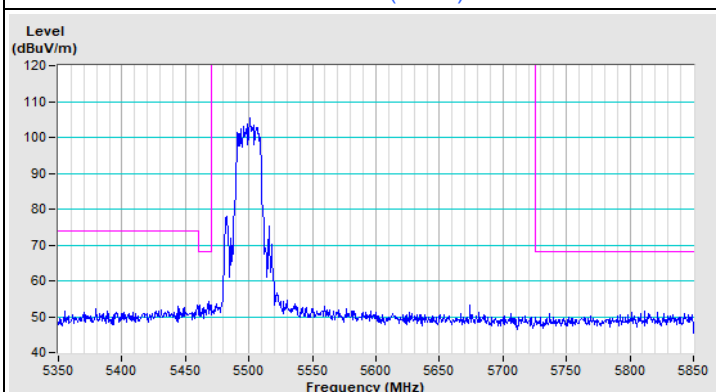
802.11ax (HE20) Channel 100



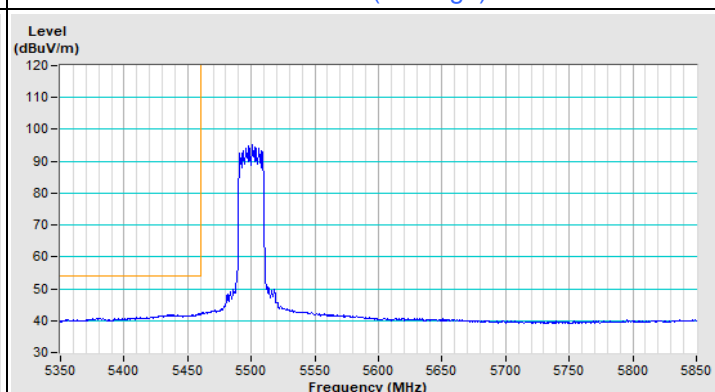
Horizontal (Peak)



Horizontal (Average)

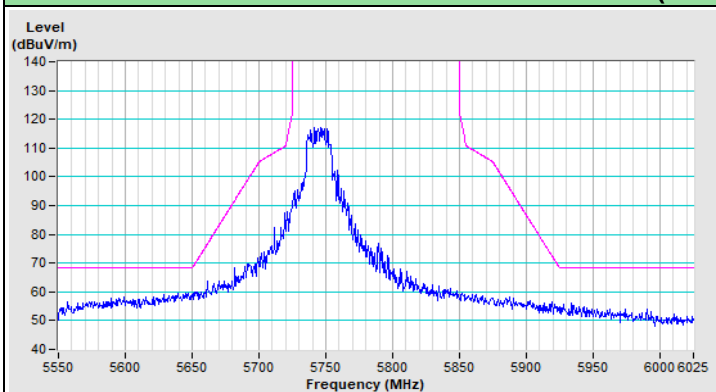


Vertical (Peak)

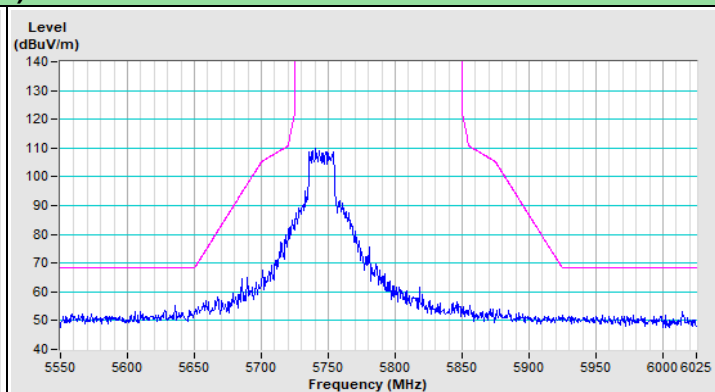


Vertical (Average)

802.11ax (HE20) Channel 149

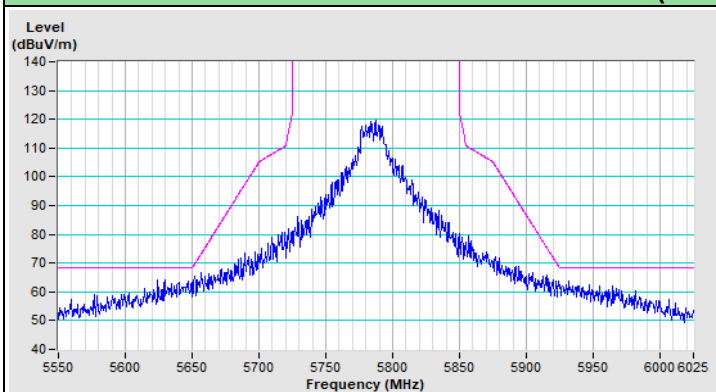


Horizontal (Peak)

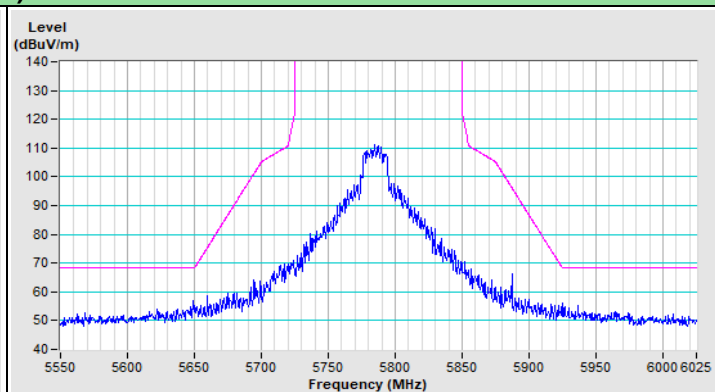


Vertical (Peak)

802.11ax (HE20) Channel 157

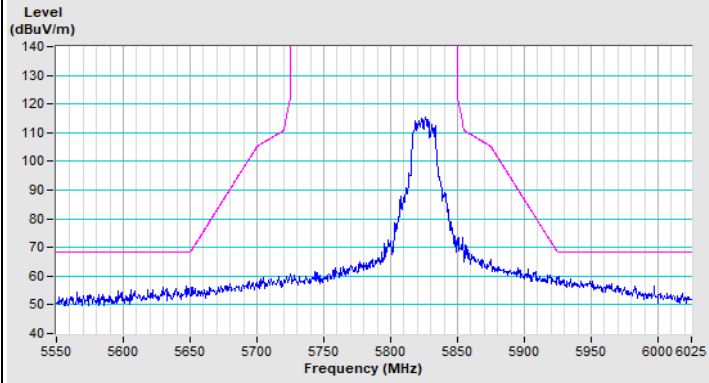


Horizontal (Peak)

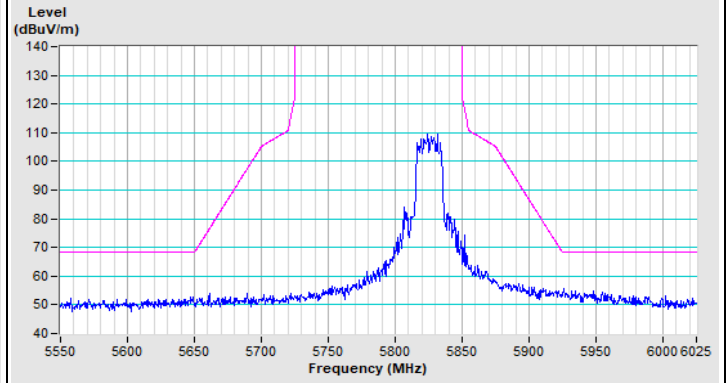


Vertical (Peak)

802.11ax (HE20) Channel 165

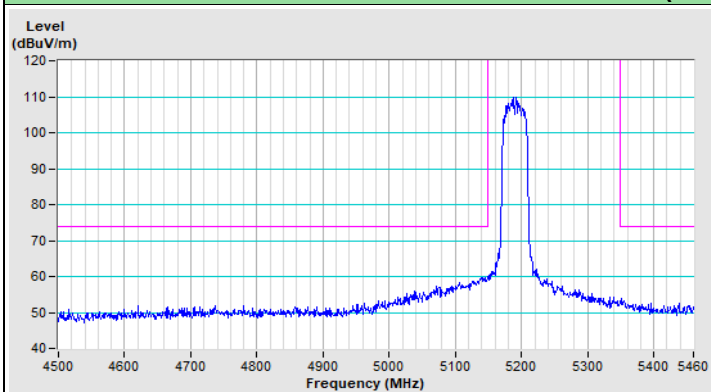


Horizontal (Peak)

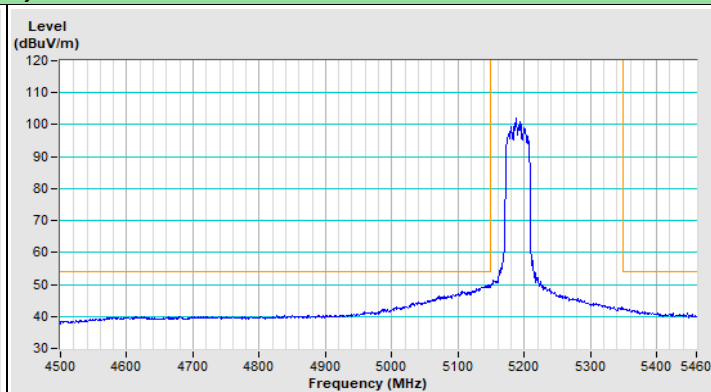


Vertical (Peak)

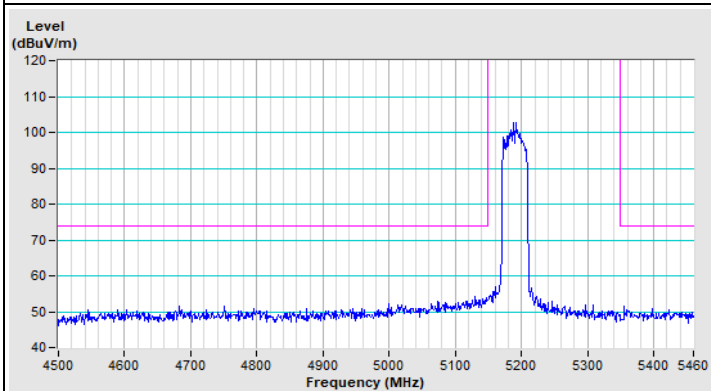
802.11ax (HE40) Channel 38



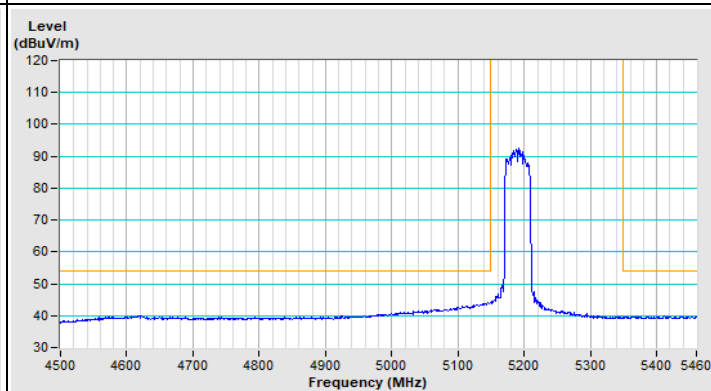
Horizontal (Peak)



Horizontal (Average)

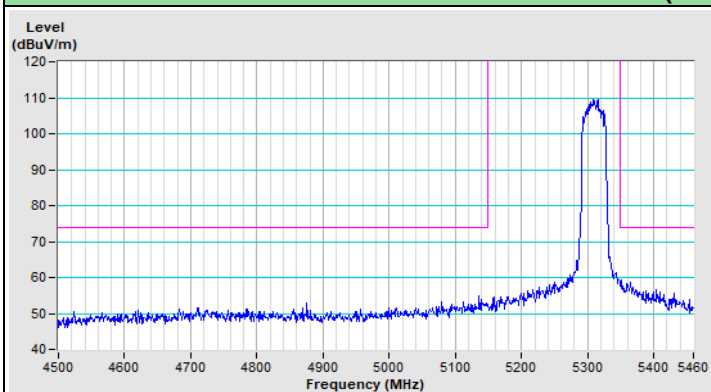


Vertical (Peak)

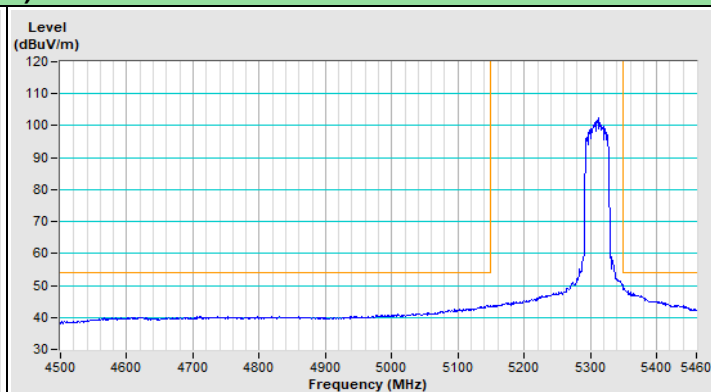


Vertical (Average)

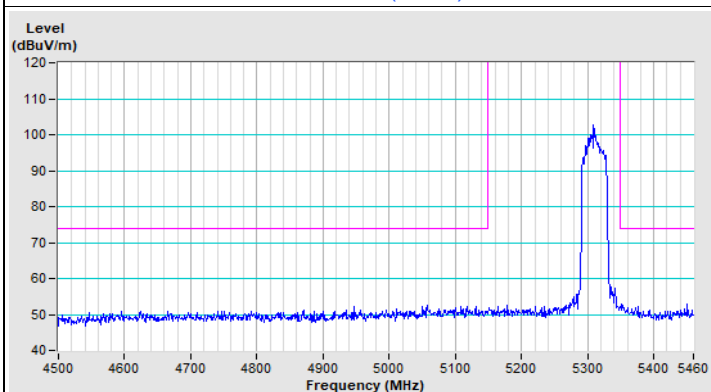
802.11ax (HE40) Channel 62



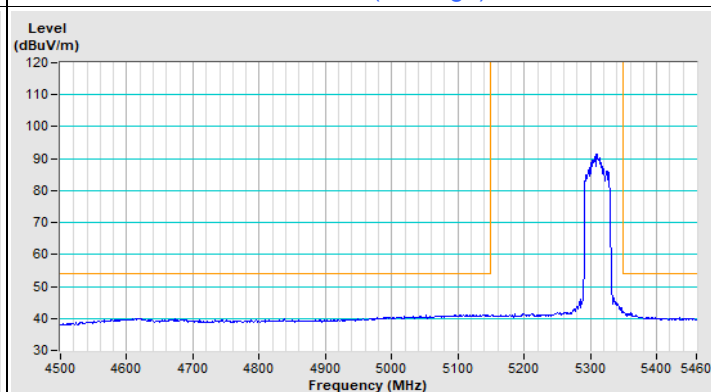
Horizontal (Peak)



Horizontal (Average)

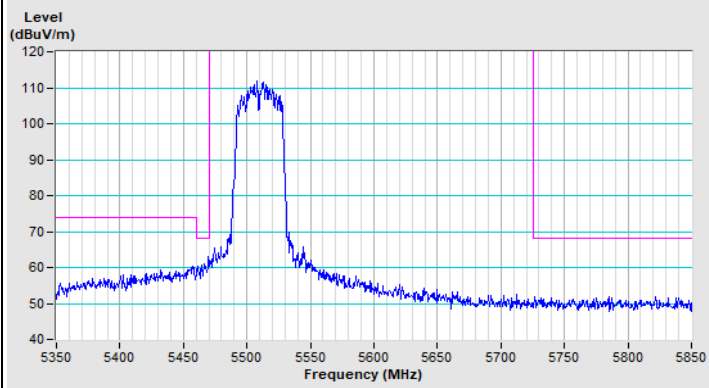


Vertical (Peak)

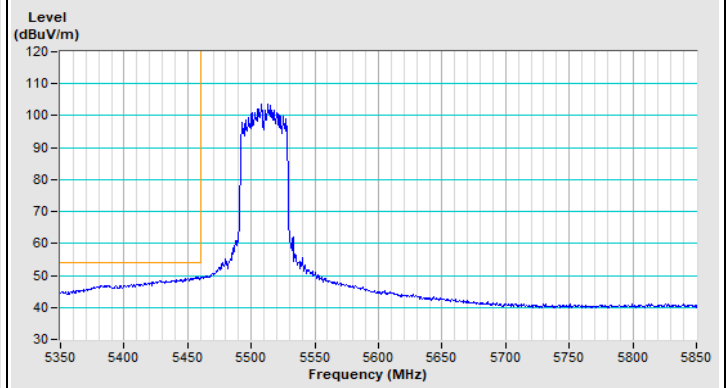


Vertical (Average)

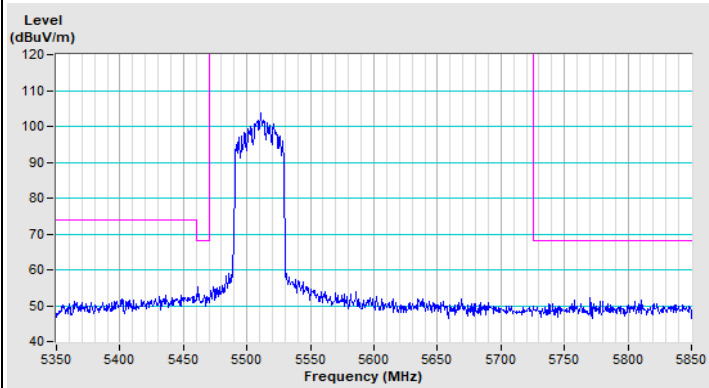
802.11ax (HE40) Channel 102



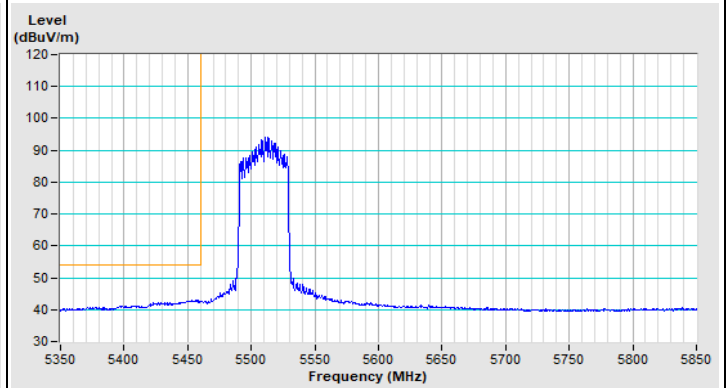
Horizontal (Peak)



Horizontal (Average)

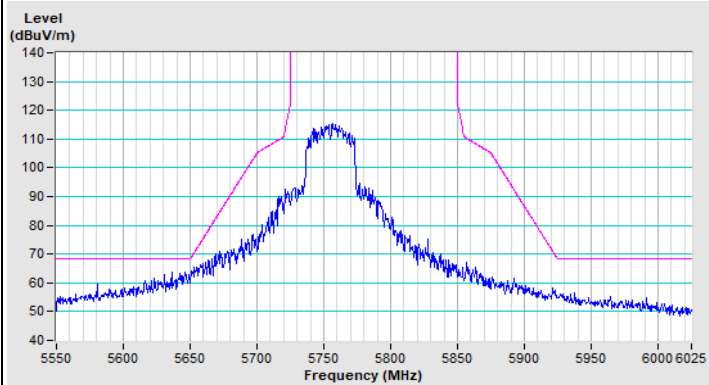


Vertical (Peak)

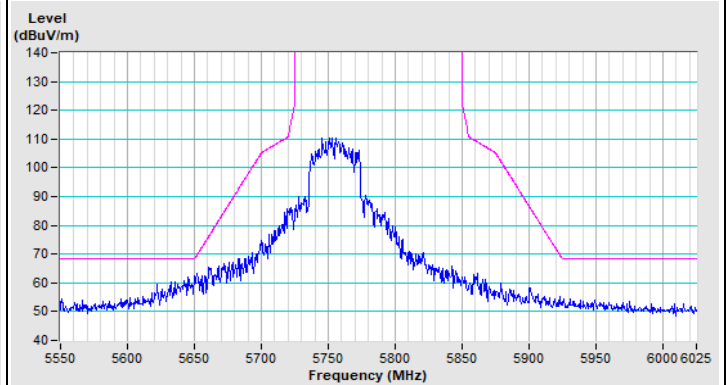


Vertical (Average)

802.11ax (HE40) Channel 151

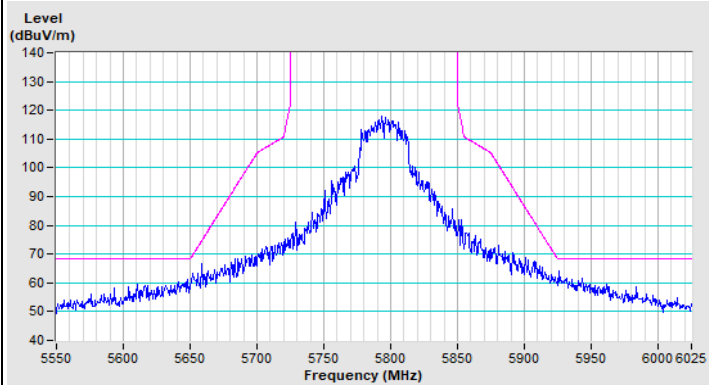


Horizontal (Peak)

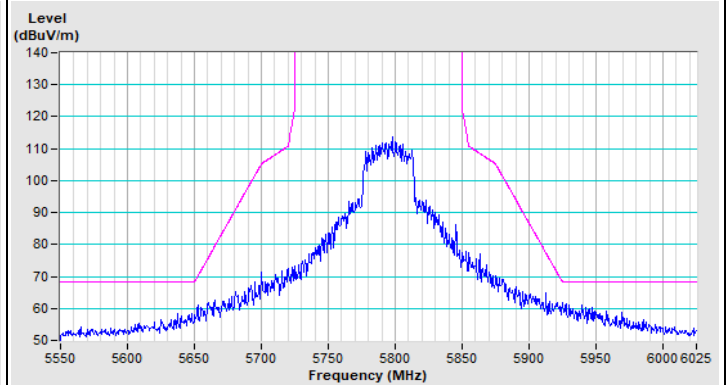


Vertical (Peak)

802.11ax (HE40) Channel 159

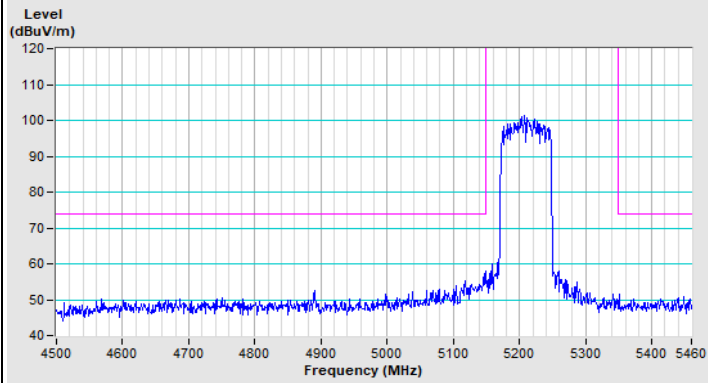


Horizontal (Peak)

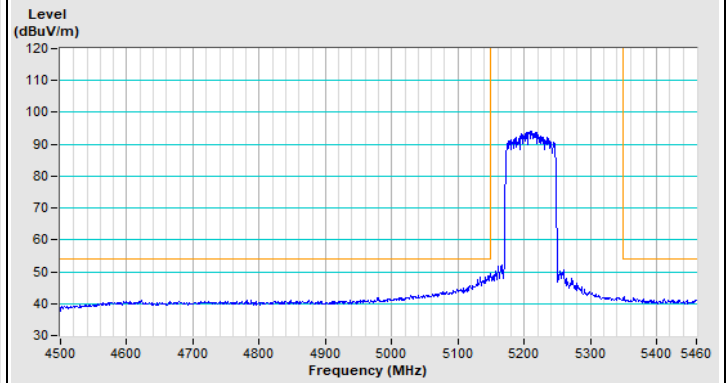


Vertical (Peak)

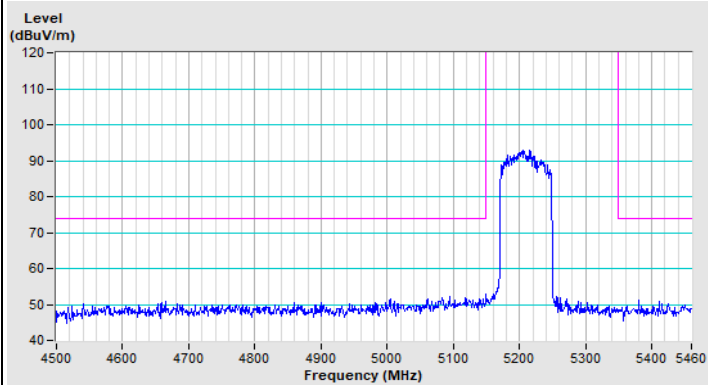
802.11ax (HE80) Channel 42



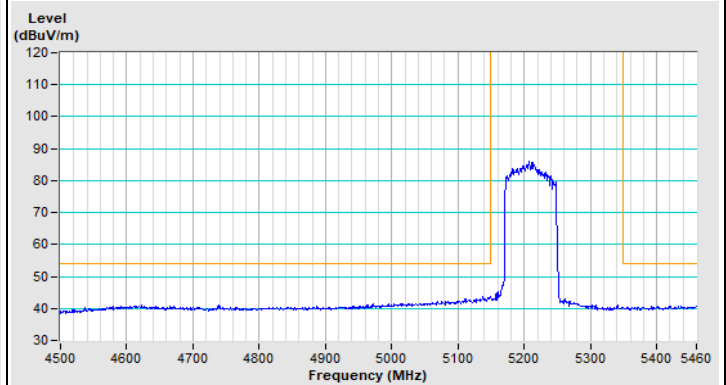
Horizontal (Peak)



Horizontal (Average)

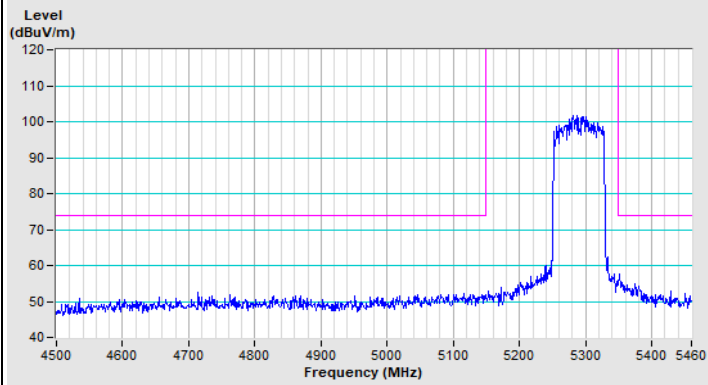


Vertical (Peak)

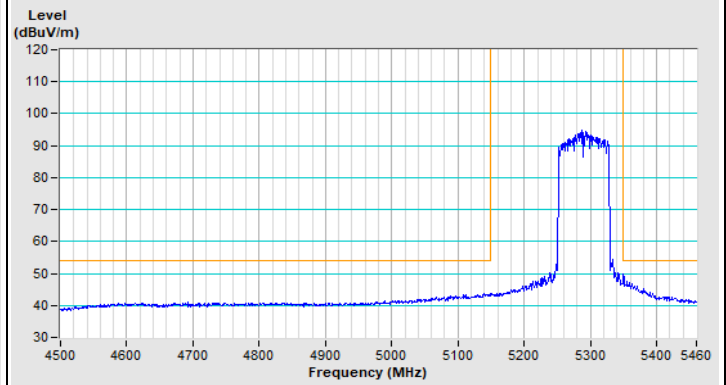


Vertical (Average)

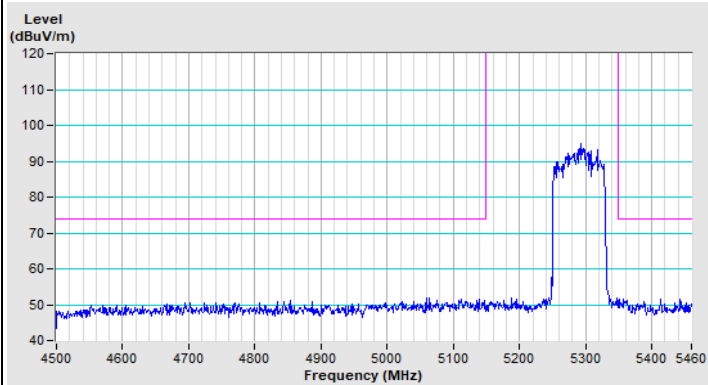
802.11ax (HE80) Channel 58



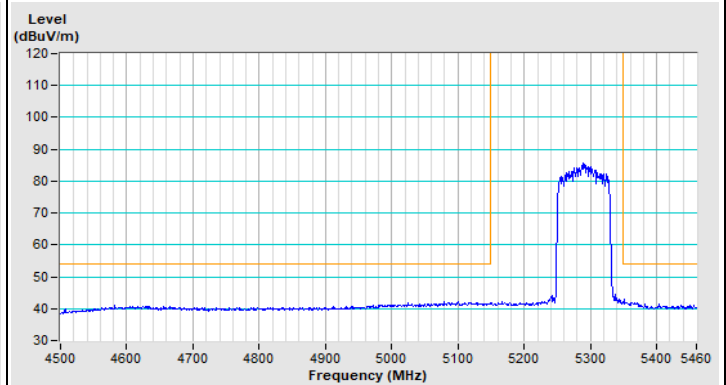
Horizontal (Peak)



Horizontal (Average)

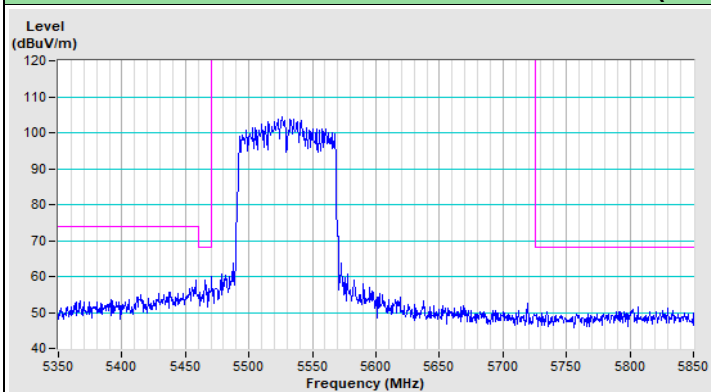


Vertical (Peak)

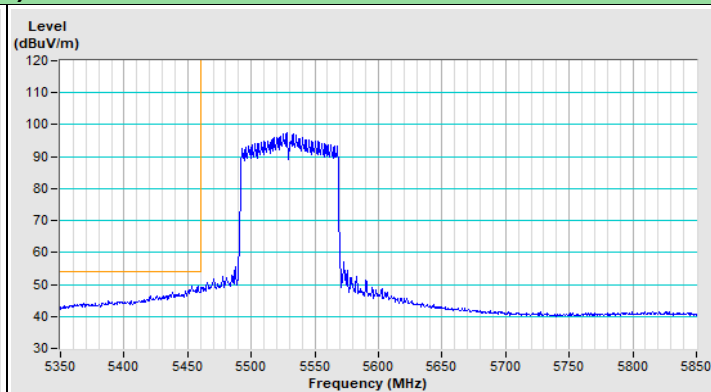


Vertical (Average)

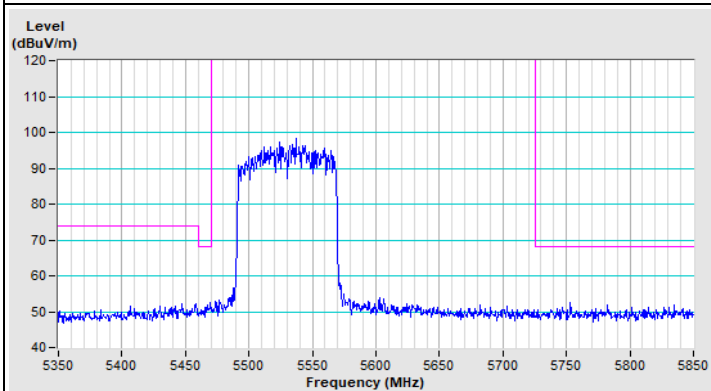
802.11ax (HE80) Channel 106



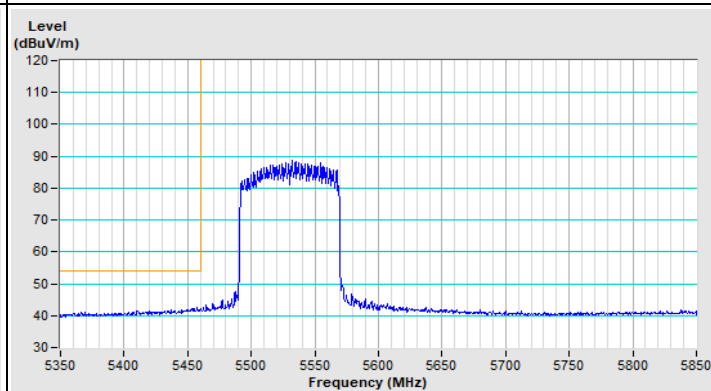
Horizontal (Peak)



Horizontal (Average)

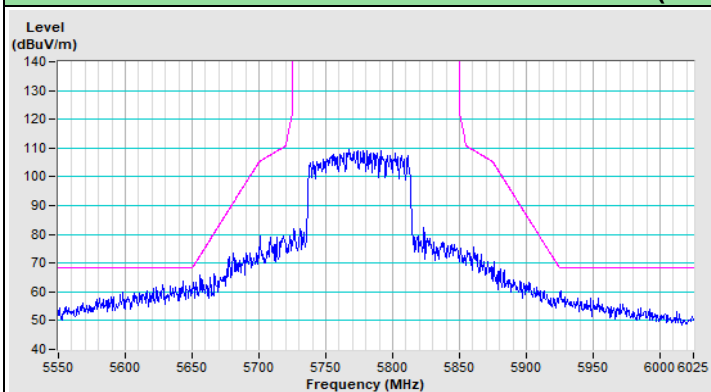


Vertical (Peak)

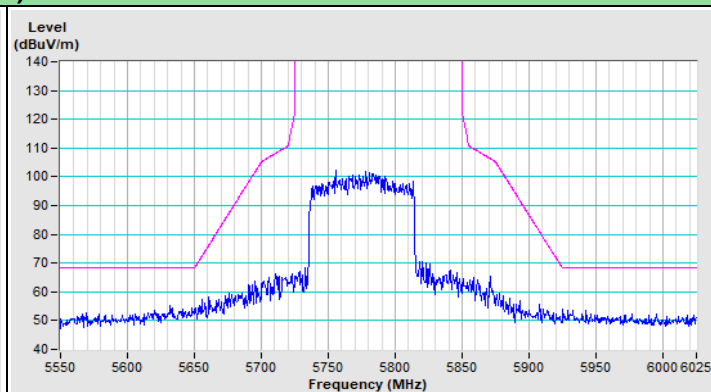


Vertical (Average)

802.11ax (HE80) Channel 155



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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