TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBEIH-WTW-P22120620-2
FCC ID:	P27-TMOG4SE
Product:	T-Mobile 5G Gateway
Brand:	T-Mobile
Model No.:	TMO-G4SE
Received Date:	2022/12/19
Test Date:	2023/1/19 ~ 2023/3/2
Issued Date:	2023/3/29
Applicant:	Sercomm Corp.
Address:	8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location (1):	No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location (2):	B2F., No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan
FCC Registration / Designation Number:	788550 / TW0003 427177 / TW0011

Approved by: Jeremy Lin , **Date:** 2023/3/29

Jeremy Lin / Project Engineer

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Testing Laboratory 2021

Prepared by : Lena Wang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBEIH-WTW-P22120620-2	Original Release	2023/3/29

1 Certificate

Product:	T-Mobile 5G Gateway
Brand:	T-Mobile
Test Model:	TMO-G4SE
Sample Status:	Engineering Sample
Applicant:	Sercomm Corp.
Test Date:	2023/1/19 ~ 2023/3/2
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 KDB 789033 D02 General UNII Test Procedure New Rules v02r01 KDB 662911 D01 Multiple Transmitter Output v02r01

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

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(a)(2)	26 dB Bandwidth	Pass	For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.
15.407(a)(1) 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 -11.52 dB at 0.43800 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -11.8 dB at 33.20 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 -0.5 dB at 5150.00, 5350.00 MHz
15.203	Antenna Requirement	Pass	No antenna connector is used.

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) (±)
Occupied Bandwidth	-	491.896 Hz
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.99 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.44 dB
	30 MHz ~ 1 GHz	2.02 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	1.01 dB
	18 GHz ~ 40 GHz	1.15 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	T-Mobile 5G Gateway
Brand	T-Mobile
Test Model	TMO-G4SE
Status of EUT	Engineering Sample
Power Supply Rating	Refer to note
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 4803.9Mbps
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	CDD Mode: 5.18 GHz ~ 5.24 GHz : 879.653 mW (29.44 dBm) 5.26 GHz ~ 5.32 GHz : 227.584 mW (23.57 dBm) 5.5 GHz ~ 5.72 GHz : 239.377 mW (23.79 dBm) 5.745 GHz ~ 5.825 GHz : 985.663 mW (29.94 dBm) Beamforming Mode: 5.18 GHz ~ 5.24 GHz : 491.993 mW (26.92 dBm) 5.26 GHz ~ 5.32 GHz : 128.863 mW (21.10 dBm) 5.5 GHz ~ 5.72 GHz : 126.72 mW (21.03 dBm) 5.745 GHz ~ 5.825 GHz : 514.581 mW (27.11 dBm)
EUT Category	Indoor Access Point

Note:

1. The EUT contains following accessory devices.

Product	Brand	Model	Description
Adapter 1	Lucent	1A78	I/P: 100-240 Vac, 50/60 Hz, 1.2 A O/P: 5 Vdc, 3 A, 15W / 9 Vdc, 3 A, 27W / 12 Vdc, 3 A, 36W / 15 Vdc, 3 A, 45W / 20 Vdc, 2.25 A, 45W DC Output Cable: 1.8m, non-shielded
Adapter 2	MOSO	MS-V3000R150-038B0-US	I/P: 100-240 Vac, 50/60 Hz, 1.3 A O/P: 5 Vdc, 3 A / 9 Vdc, 3 A / 12 Vdc, 3 A / 15 Vdc, 3 A DC Output Cable: 1.8m, non-shielded

2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.
3. The EUT contains certified WWAN module with FCC ID: GKRRMLN1T.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

RF Chain NO.	Gain (dBi)	Antenna Type	Connector Type
	5150 MHz ~ 5850 MHz		
0	3.9	Dipole	I-pex
1	2.1	PIFA	I-pex
2	3.6	Dipole	I-pex
3	2.5	PIFA	I-pex

* 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**		**CDD Mode**	**Beamforming Mode**
802.11a	4TX	4RX	Support	Not Support
802.11n (HT20)	4TX	4RX	Support	Support
802.11n (HT40)	4TX	4RX	Support	Support
802.11ac (VHT20)	4TX	4RX	Support	Support
802.11ac (VHT40)	4TX	4RX	Support	Support
802.11ac (VHT80)	4TX	4RX	Support	Support
802.11ax (HE20)	4TX	4RX	Support	Support
802.11ax (HE40)	4TX	4RX	Support	Support
802.11ax (HE80)	4TX	4RX	Support	Support

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:	EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan in these ways and find the worst case as a representative test condition.
Worst Case:	The worst case was found when positioned on X-axis.

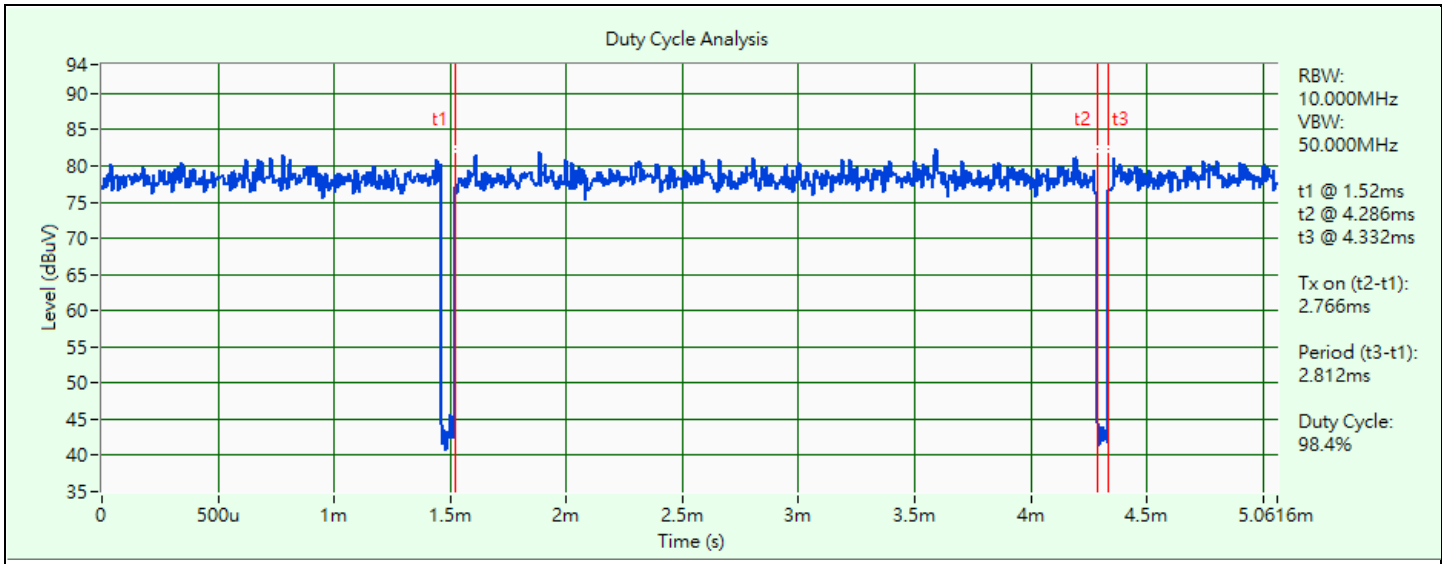
Following channel(s) was (were) selected for the final test as listed below:

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

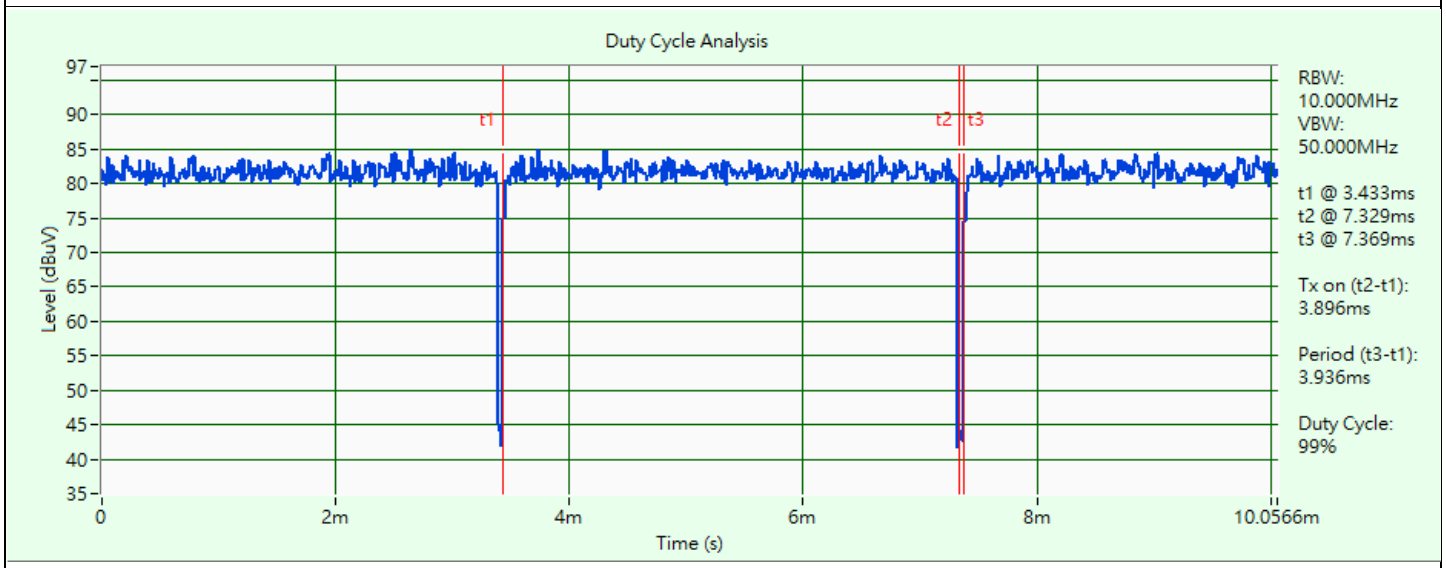
Test Item	EUT Configure Mode	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Occupied Bandwidth	B	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD	42, 58, 106, 122, 138, 155	BPSK	MCS0
Frequency Stability	B	802.11a	-	36	un-modulation	-
AC Power Conducted Emissions	A, B	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	B	802.11a	CDD	149	BPSK	6Mb/s
Unwanted Emissions above 1 GHz	B	802.11a	CDD	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	6Mb/s
		802.11ax (HE20)	CDD & Beamforming	36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165	BPSK	MCS0
		802.11ax (HE40)	CDD & Beamforming	38, 46, 54, 62, 102, 110, 134, 142, 151, 159	BPSK	MCS0
		802.11ax (HE80)	CDD & Beamforming	42, 58, 106, 122, 138, 155	BPSK	MCS0
EUT Configure Mode:	A	EUT+Adapter 1 (Lucent)				
	B	EUT+Adapter 2 (MOSO)				

3.5 Duty Cycle of Test Signal

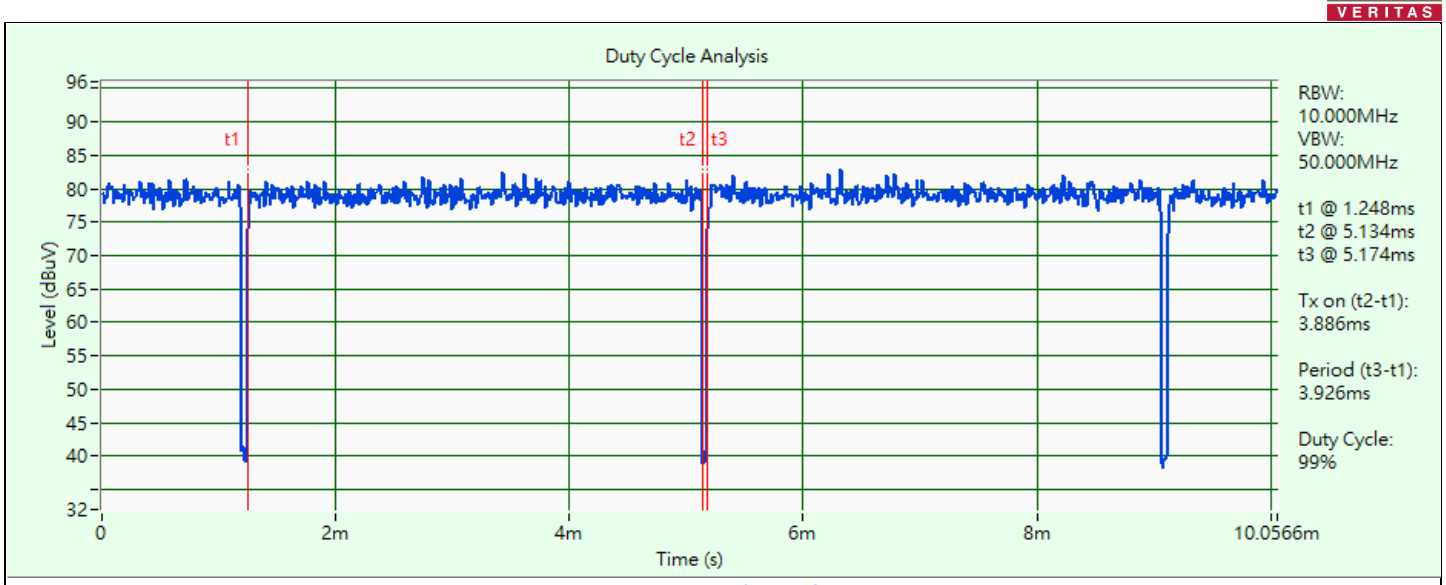
802.11a: Duty cycle = 2.766 ms / 2.812 ms x 100% = 98.4%
802.11ax (HE20): Duty cycle = 3.896 ms / 3.936 ms x 100% = 99.0%
802.11ax (HE40): Duty cycle = 3.886 ms / 3.926 ms x 100% = 99.0%
802.11ax (HE80): Duty cycle = 3.674 ms / 3.704 ms x 100% = 99.2%



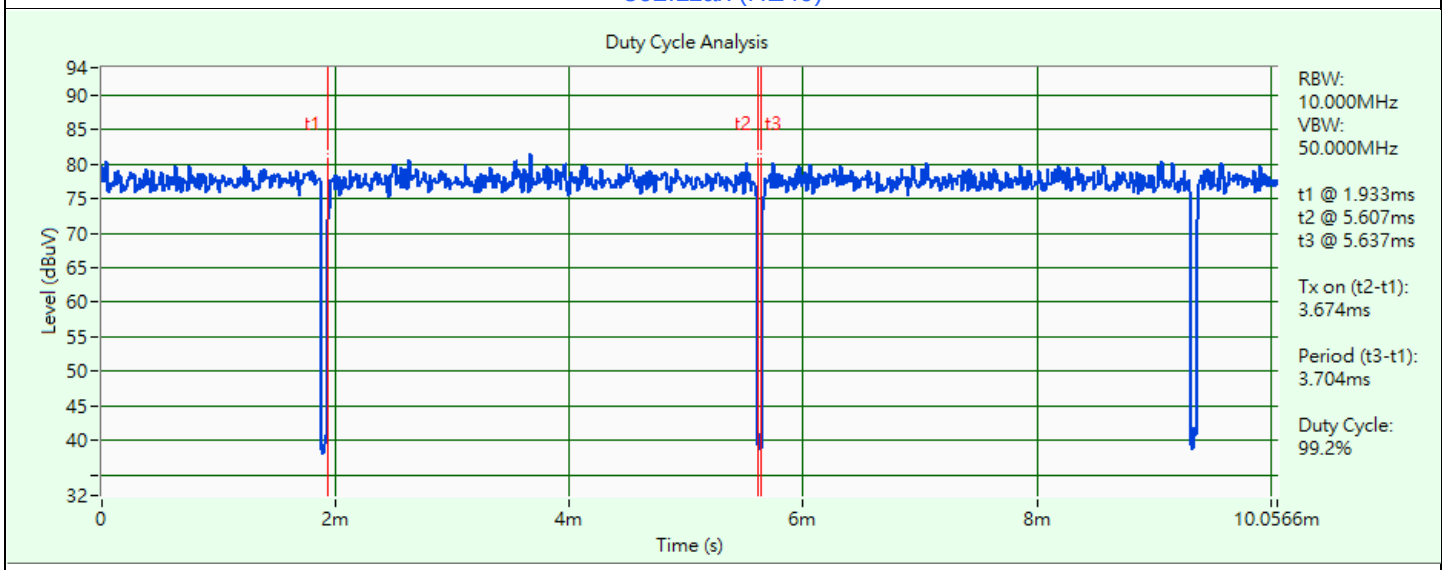
802.11a



802.11ax (HE20)



802.11ax (HE40)

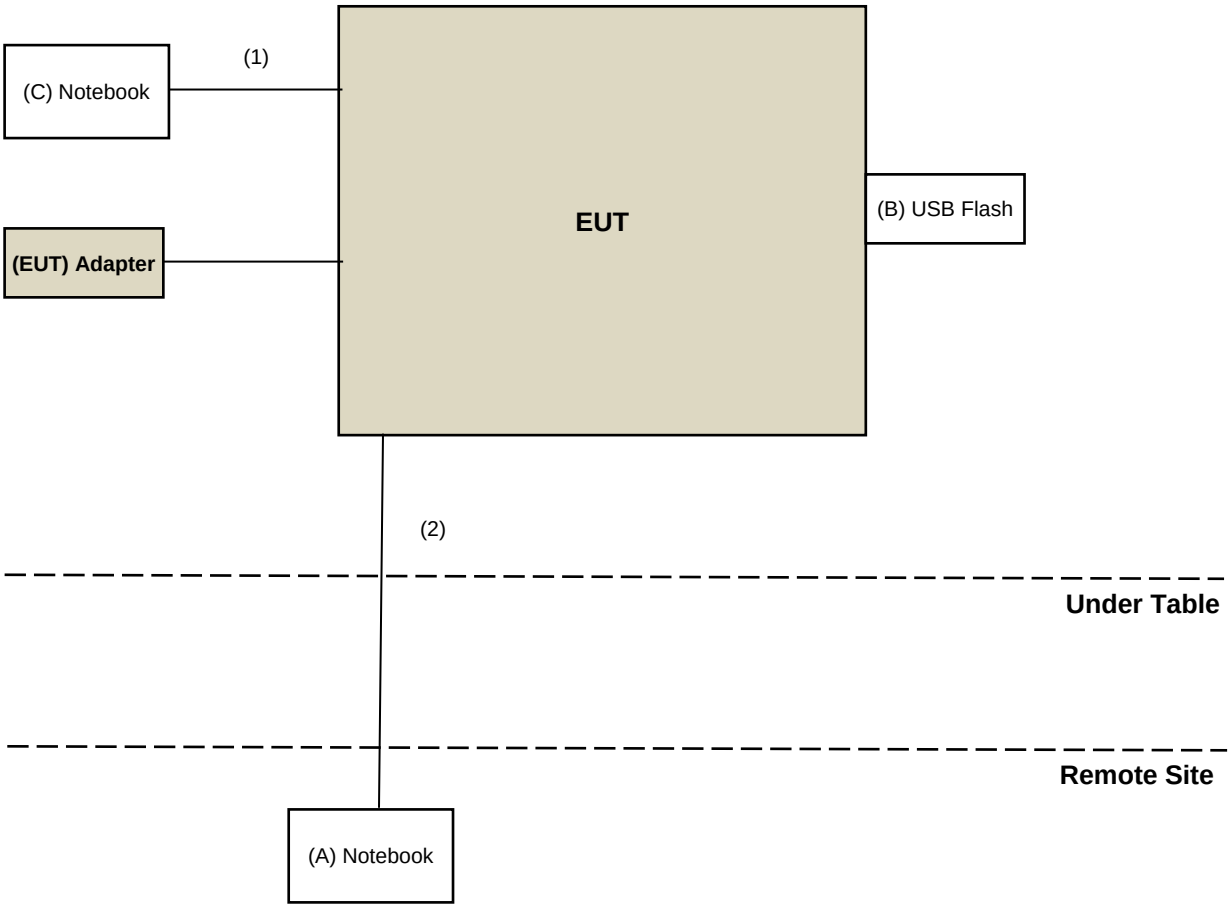


802.11ax (HE80)

3.6 Test Program Used and Operation Descriptions

Controlling software MT7915 QA 0.0.2.33 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	Dell	Latitude 5420	1XDRM A01	N/A	Provided by Lab
B	USB Flash	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab
C	Notebook	Lenovo	TP00048A	TP00048A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.5	No	0	Provided by Lab
2	RJ-45 Cable	1	10	No	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
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/15 ~ 2023/2/26

4.2 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	2022/7/13	2023/7/12

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/15 ~ 2023/2/26

4.3 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/15 ~ 2023/2/23

4.4 6 dB Bandwidth

Refer to section 4.3 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.3 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
AC Power Source ExTech	CFW-105	E000603	N/A	N/A
Digital Multimeter Fluke	87-III	70360742	2022/6/23	2023/6/22
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A
Spectrum Analyzer R&S	FSV40	100979	2022/3/25	2023/3/24
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	2022/12/27	2023/12/26

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2023/2/15 ~ 2023/2/26

4.7 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
LISN R&S	ESH3-Z5	100311	2022/9/12	2023/9/11
LISN ROHDE & SCHWARZ	ENV216	101826	2022/3/14	2023/3/13
RF Coaxial Cable WOKEN	5D-FB	Cable-cond1-01	2023/1/7	2024/1/6
Software BVADT	BVADT_Cond_ V7.3.7.4	N/A	N/A	N/A
Test Receiver Rohde&Schwarz	ESCI	100613	2022/12/5	2023/12/4
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2022/8/31	2023/8/30

Notes:

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

4.8 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	UNAT_5+	PAD-CH6-01	N/A	N/A
Antenna Tower Controller Max-Full	MF-7802	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB9168	9168-616	2022/10/26	2023/10/25
Loop Antenna EMCI	EM-6879	269	2022/09/19	2023/09/18
Loop Antenna TESEQ	HLA 6121	45745	2022/07/27	2023/07/26
Pre-amplifier EMCI	EMC001340	980201	2022/09/23	2023/09/22
Preamplifier Agilent	310N	187226	2022/06/14	2023/06/13
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	2023/01/07	2024/01/06
RF Coaxial Cable ETS-Lindgren	EMC104-SM-SM-10000	Cable-CH1-01(RFC-SMS-100-SMS-120+RFC-SMS-100-SMS-4	2022/06/14	2023/06/13
	RFC-SMS-100-SMS-24-IN	Cable-CH1-02(RFC-SMS-100-SMS-24)	2022/06/14	2023/06/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Test Receiver Agilent	N9038A	MY52260177	2022/09/19	2023/09/18
Turn Table Max-Full	TT-1510	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802	N/A	N/A	N/A

Notes:

1. The test was performed in XD - 966 chamber 6.
2. Tested Date: 2023/1/30

4.9 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	UNAT_5+	PAD-CH6-01	N/A	N/A
Antenna Tower Controller Max-Full	MF-7802	N/A	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	8	N/A	N/A
Horn Antenna ETS-Lindgren	3117	00143293	2022/11/13	2023/11/12
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170241	2022/10/20	2023/10/19
Pre-Ammlifier EMCI	EMC 184045	980116	2022/10/01	2023/09/30
Preamplifier Agilent	83017A	MY39501373	2022/06/14	2023/06/13
RF Coaxial Cable ETS-Lindgren	EMC104-SM-SM-10000	Cable-CH1-01(RFC-SMS-100-SMS-120+RFC-SMS-100-SMS-4	2022/06/14	2023/06/13
	RFC-SMS-100-SMS-24-IN	Cable-CH1-02(RFC-SMS-100-SMS-24)	2022/06/14	2023/06/13
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2023/1/7	2024/1/6
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2023/01/07	2024/01/06
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Test Receiver Agilent	N9038A	MY52260177	2022/09/19	2023/09/18
Turn Table Max-Full	TT-1510	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802	N/A	N/A	N/A

Notes:

1. The test was performed in XD - 966 chamber 6.
2. Tested Date: 2023/1/19 ~ 2023/2/18

5 Limits of Test Items

5.1 26 dB Bandwidth

The results are for reference only.

5.2 RF Output Power

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

Operation Band	Limit
U-NII-2A	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: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2 (dBµV/m) *1 PK: 105.2 (dBµV/m) *2 PK: 110.8 (dBµV/m) *3 PK: 122.2 (dBµV/m) *4
*1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

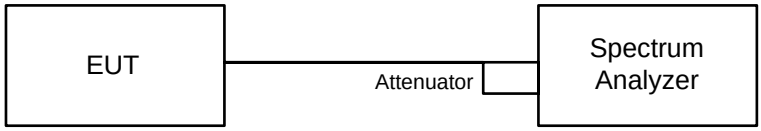
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 26 dB Bandwidth

6.1.1 Test Setup

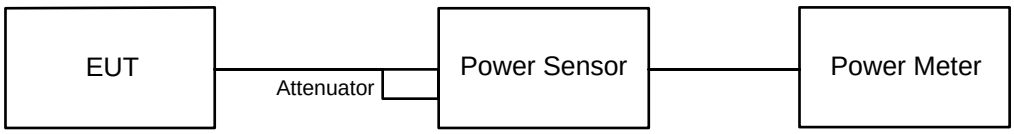


6.1.2 Test Procedure

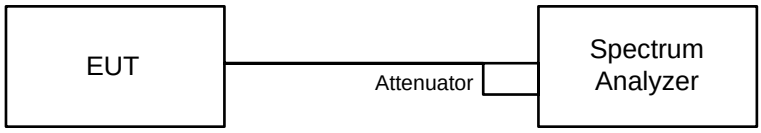
a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement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

6.2 RF Output Power

6.2.1 Test Setup



For channel straddling:



6.2.2 Test Procedure

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

For channel straddling:

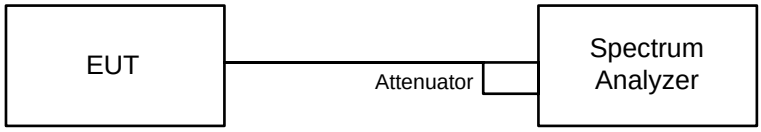
Method SA-1

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

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

6.3 Power Spectral Density

6.3.1 Test Setup



6.3.2 Test Procedure

For specified measurement bandwidth 1 MHz:
Method SA-1

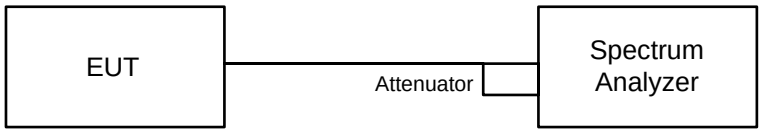
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger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

For specified measurement bandwidth 500 kHz:
Method SA-1

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

6.4 6 dB Bandwidth

6.4.1 Test Setup

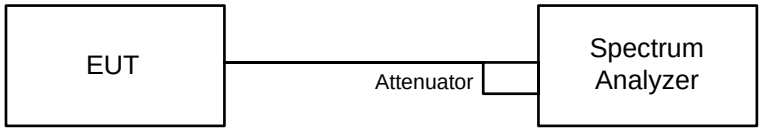


6.4.2 Test Procedure

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

6.5 Occupied Bandwidth

6.5.1 Test Setup

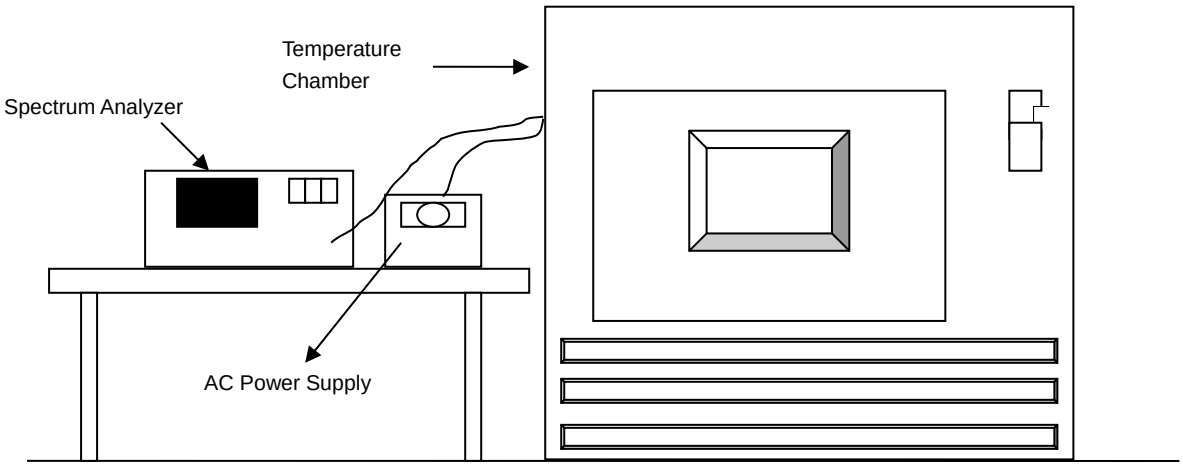


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

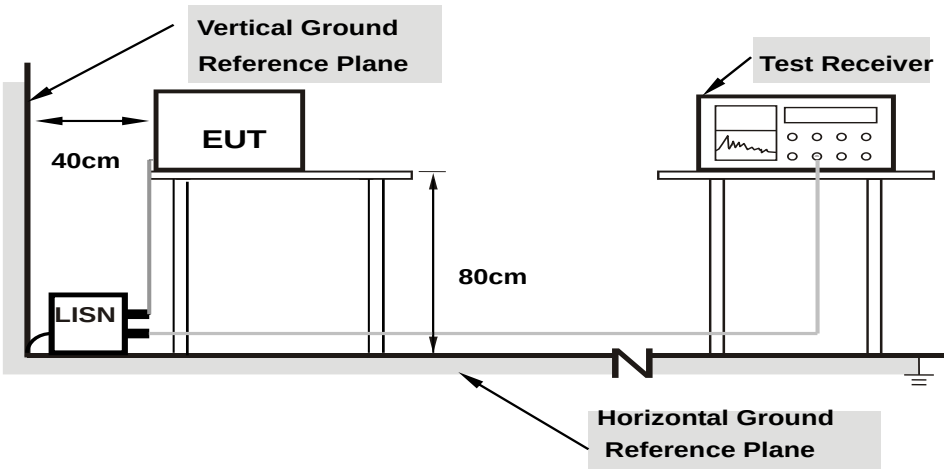


6.6.2 Test Procedure

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

6.7 AC Power Conducted Emissions

6.7.1 Test Setup



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

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

6.7.2 Test Procedure

a. The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

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

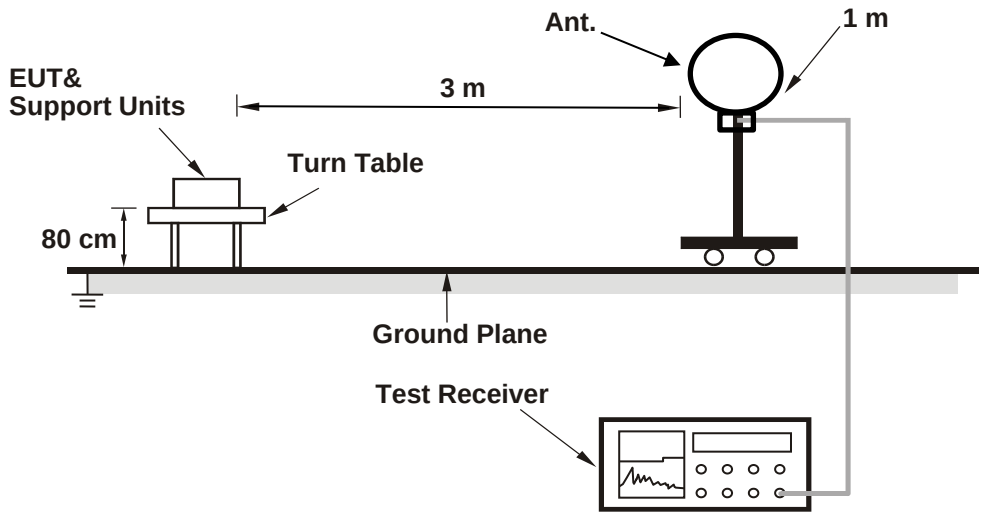
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

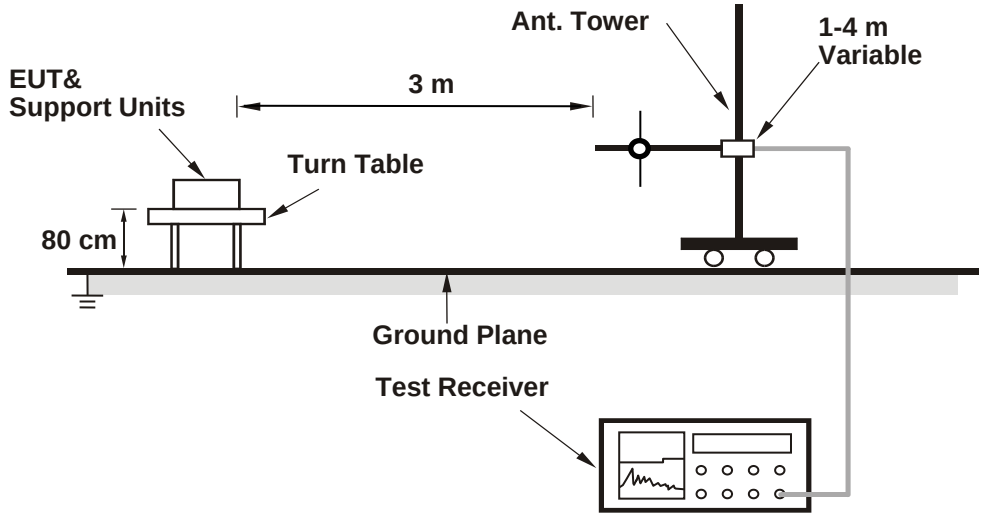
6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.8.2 Test Procedure

For Radiated emission below 30 MHz

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

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

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

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

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

Notes:

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

For Radiated emission above 30 MHz

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

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

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

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

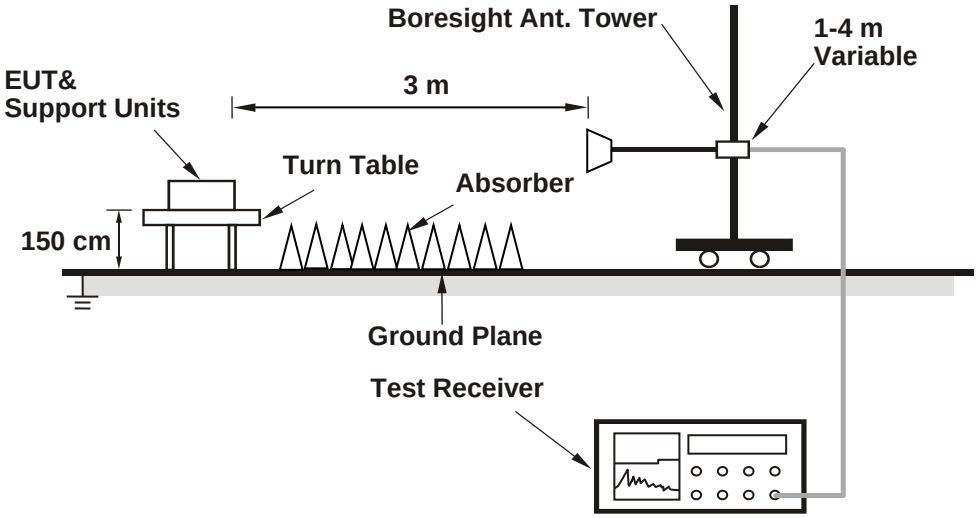
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

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

6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup



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

6.9.2 Test Procedure

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

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

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

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

e. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Notes:

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

7 Test Results of Test Item

7.1 26 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.31	19.88	20.00	19.94
60	5300	20.36	20.15	20.02	20.12
64	5320	20.14	19.89	20.05	19.99
100	5500	20.24	20.00	20.03	20.09
116	5580	20.29	19.92	20.08	20.03
140	5700	20.30	19.84	19.96	19.95
144 (U-NII-2C)	5720	15.09	15.05	15.10	14.96
144 (U-NII-3)	5720	5.12	4.95	5.13	4.91

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	19.88	23.98	<	24
60	5300	20.02	24.01	>	24
64	5320	19.89	23.98	<	24
100	5500	20.00	24.01	>	24
116	5580	19.92	23.99	<	24
140	5700	19.84	23.97	<	24
144 (U-NII-2C)	5720	14.96	22.74	<	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	Chain 2	Chain 3
52	5260	21.33	21.78	21.17	21.43
60	5300	21.93	21.88	21.59	21.73
64	5320	21.40	21.40	22.05	21.50
100	5500	21.47	21.59	21.90	21.57
116	5580	21.30	21.43	21.98	21.57
140	5700	21.32	21.77	21.46	21.89
144 (U-NII-2C)	5720	15.65	15.96	15.95	15.50
144 (U-NII-3)	5720	5.79	5.74	5.92	5.67

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
52	5260	21.17	24.25	>	24
60	5300	21.59	24.34	>	24
64	5320	21.40	24.3	>	24
100	5500	21.47	24.31	>	24
116	5580	21.30	24.28	>	24
140	5700	21.32	24.28	>	24
144 (U-NII-2C)	5720	15.50	22.9	<	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	Chain 2	Chain 3
54	5270	40.73	40.74	40.68	40.73
62	5310	40.72	40.63	40.81	40.58
102	5510	40.77	40.82	40.64	40.80
110	5550	40.69	40.74	40.70	40.77
134	5670	40.75	40.67	40.68	40.75
142 (U-NII-2C)	5710	35.37	35.42	35.43	35.48
142 (U-NII-3)	5710	5.33	5.45	5.34	5.39

Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
54	5270	40.68	27.09	>	24
62	5310	40.58	27.08	>	24
102	5510	40.64	27.08	>	24
110	5550	40.69	27.09	>	24
134	5670	40.67	27.09	>	24
142 (U-NII-2C)	5710	35.37	26.48	>	24

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

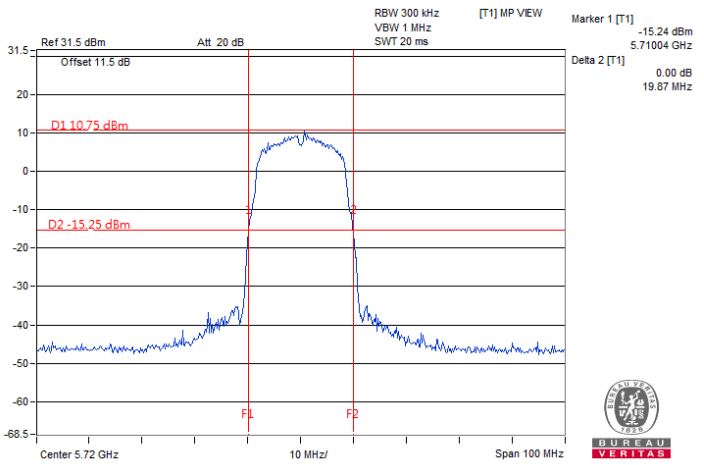
802.11ax (HE80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	81.34	81.17	81.60	81.53
106	5530	81.51	81.13	81.33	81.29
122	5610	81.41	81.49	81.31	81.35
138 (U-NII-2C)	5690	75.39	75.45	75.40	75.45
138 (U-NII-3)	5690	5.80	5.94	5.80	5.79

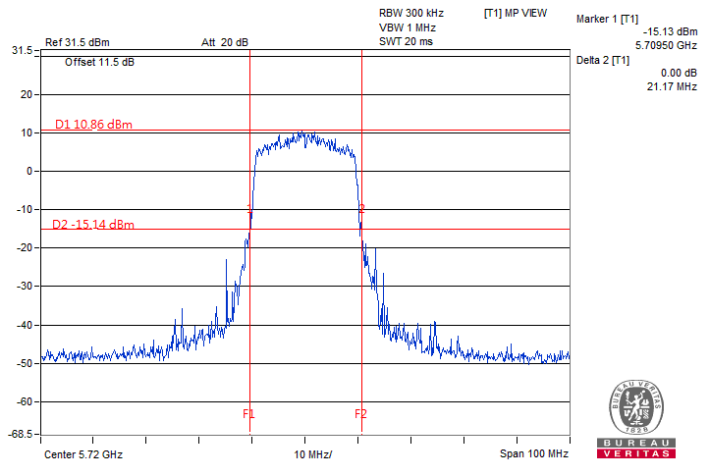
Determined Output Power Limit					
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Power Limit (dBm)		
58	5290	81.17	30.09	>	24
106	5530	81.13	30.09	>	24
122	5610	81.31	30.1	>	24
138 (U-NII-2C)	5690	75.39	29.77	>	24

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

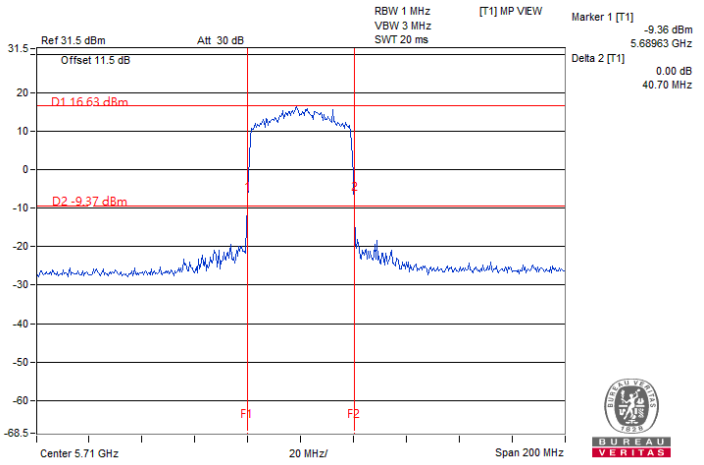
Spectrum Plot of Minimum Value



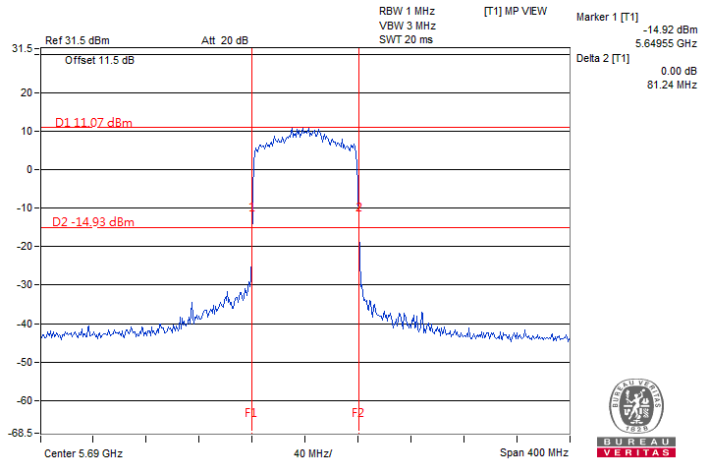
802.11a / Chain 3 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.2 RF Output Power

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

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	21.32	21.41	21.65	20.75	538.944	27.32	30	Pass
40	5200	20.83	21.28	21.07	21.02	509.748	27.07	30	Pass
48	5240	20.79	21.19	20.94	20.81	496.141	26.96	30	Pass
52	5260	14.96	15.42	15.35	15.14	133.102	21.24	23.98	Pass
60	5300	14.66	15.24	15.31	15.16	129.433	21.12	24	Pass
64	5320	14.85	15.30	15.29	15.09	130.525	21.16	23.98	Pass
100	5500	14.72	14.97	14.95	15.33	126.433	21.02	24	Pass
116	5580	14.70	14.89	14.91	15.40	125.992	21.00	23.99	Pass
140	5700	14.68	14.91	14.89	15.30	125.067	20.97	23.97	Pass
*144 (U-NII-2C)	5720	13.92	13.94	13.84	14.99	105.195	20.22	22.74	Pass
*144 (U-NII-3)	5720	5.24	5.54	5.46	6.26	14.665	11.66	30	Pass
149	5745	24.11	23.82	23.92	23.81	**985.663**	**29.94**	30	Pass
157	5785	24.03	23.65	23.78	23.61	953.065	29.79	30	Pass
165	5825	23.69	23.45	23.59	23.61	913.368	29.61	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 3.9 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 3.8 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	Chain 2	Chain 3				
36	5180	20.95	20.91	20.76	20.85	488.505	26.89	30	Pass
40	5200	20.59	21.09	20.99	20.91	491.993	26.92	30	Pass
48	5240	20.64	20.92	21.00	20.80	485.591	26.86	30	Pass
52	5260	14.54	14.82	15.01	14.94	121.668	20.85	24	Pass
60	5300	14.75	14.79	14.98	14.96	122.794	20.89	24	Pass
64	5320	14.77	14.69	14.81	15.02	121.474	20.84	24	Pass
100	5500	14.47	14.69	14.83	15.20	120.956	20.83	24	Pass
116	5580	14.81	14.60	14.70	15.00	120.244	20.80	24	Pass
140	5700	14.66	14.84	14.77	15.66	126.525	21.02	24	Pass
*144 (U-NII-2C)	5720	13.59	13.52	13.72	14.40	96.439	19.84	22.9	Pass
*144 (U-NII-3)	5720	6.78	6.68	6.83	7.46	19.812	12.97	30	Pass
149	5745	24.10	23.58	23.53	23.28	923.312	29.65	30	Pass
157	5785	23.99	23.63	23.62	23.38	929.201	29.68	30	Pass
165	5825	23.91	23.57	23.59	23.24	912.969	29.60	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the directional gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the directional gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the directional gain is 3.9 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the directional gain is 3.8 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	Chain 2	Chain 3				
38	5190	17.86	18.00	17.87	17.05	236.124	23.73	30	Pass
46	5230	23.45	23.51	23.55	23.17	**879.653**	**29.44**	30	Pass
54	5270	17.27	17.35	18.41	17.04	**227.584**	**23.57**	24	Pass
62	5310	17.05	17.20	17.27	16.85	204.931	23.12	24	Pass
102	5510	17.70	17.79	17.86	17.50	236.33	23.74	24	Pass
110	5550	17.56	17.68	17.73	17.32	228.874	23.60	24	Pass
134	5670	17.74	17.86	17.94	17.53	**239.377**	**23.79**	24	Pass
*142 (U-NII-2C)	5710	17.56	17.61	17.75	17.25	227.348	23.57	24	Pass
*142 (U-NII-3)	5710	7.56	6.56	5.71	5.44	17.454	12.42	30	Pass
151	5755	23.54	23.67	23.77	23.33	912.263	29.60	30	Pass
159	5795	23.68	23.79	23.87	23.42	936.244	29.71	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.9 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.8 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	Chain 2	Chain 3				
42	5210	14.92	14.74	14.62	14.13	115.686	20.63	30	Pass
58	5290	16.40	16.43	16.58	16.17	174.505	22.42	24	Pass
106	5530	17.15	17.04	16.93	16.68	198.338	22.97	24	Pass
122	5610	17.69	17.76	17.81	17.45	234.438	23.70	24	Pass
*138 (U-NII-2C)	5690	17.51	17.55	17.66	17.35	225.919	23.54	24	Pass
*138 (U-NII-3)	5690	1.78	2.16	1.86	1.63	6.141	7.88	30	Pass
155	5775	23.00	23.11	23.23	22.75	802.913	29.05	30	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.4 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.9 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 3.8 dBi < 6 dBi, so the output power limit shall not be reduced.

Beamforming Mode

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	Chain 2	Chain 3				
36	5180	20.95	20.91	20.76	20.85	488.505	26.89	27.16	Pass
40	5200	20.59	21.09	20.99	20.91	**491.993**	**26.92**	27.16	Pass
48	5240	20.64	20.92	21.00	20.80	485.591	26.86	27.16	Pass
52	5260	14.54	14.82	15.01	14.94	121.668	20.85	21.16	Pass
60	5300	14.75	14.79	14.98	14.96	122.794	20.89	21.16	Pass
64	5320	14.77	14.69	14.81	15.02	121.474	20.84	21.16	Pass
100	5500	14.47	14.69	14.83	15.20	120.956	20.83	21.06	Pass
116	5580	14.81	14.60	14.70	15.00	120.244	20.80	21.06	Pass
140	5700	14.66	14.84	14.77	15.66	126.525	21.02	21.06	Pass
*144 (U-NII-2C)	5720	13.59	13.52	13.72	14.40	96.439	19.84	19.96	Pass
*144 (U-NII-3)	5720	6.78	6.68	6.83	7.46	19.812	12.97	27.13	Pass
149	5745	21.56	21.02	20.93	20.72	511.604	27.09	27.13	Pass
157	5785	21.45	21.06	21.05	20.79	**514.581**	**27.11**	27.13	Pass
165	5825	21.33	20.97	21.01	20.67	503.721	27.02	27.13	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.84-6) = 27.16 dBm.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.84-6)].
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.94-6)].
6. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.87-6) = 27.13 dBm.

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	Chain 2	Chain 3				
38	5190	17.86	18.00	17.87	17.05	236.124	23.73	27.16	Pass
46	5230	20.85	20.98	21.05	20.68	491.233	26.91	27.16	Pass
54	5270	14.79	14.88	15.94	14.58	**128.863**	**21.10**	21.16	Pass
62	5310	15.03	15.18	15.24	14.83	128.631	21.09	21.16	Pass
102	5510	14.73	14.83	14.90	14.52	119.342	20.77	21.06	Pass
110	5550	15.01	15.05	15.20	14.76	**126.72**	**21.03**	21.06	Pass
134	5670	14.75	14.88	14.96	14.52	120.262	20.80	21.06	Pass
*142 (U-NII-2C)	5710	15.01	15.03	15.17	14.78	126.484	21.02	21.06	Pass
*142 (U-NII-3)	5710	5.02	4.03	3.27	2.98	9.816	9.92	27.13	Pass
151	5755	21.02	21.15	21.29	20.82	512.158	27.09	27.13	Pass
159	5795	21.11	21.19	21.22	20.83	514.138	27.11	27.13	Pass

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.84-6) = 27.16 dBm.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.84-6)].
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.94-6)].
6. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.87-6) = 27.13 dBm.

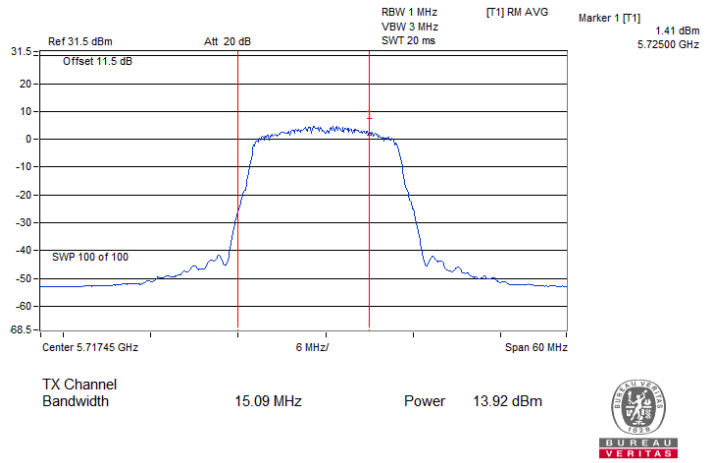
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	14.92	14.74	14.62	14.13	115.686	20.63	27.16	Pass
58	5290	14.93	14.99	15.10	14.73	124.743	20.96	21.16	Pass
106	5530	15.13	15.07	14.98	14.72	125.846	21.00	21.06	Pass
122	5610	14.74	14.81	14.85	14.45	118.465	20.74	21.06	Pass
*138 (U-NII-2C)	5690	14.56	14.58	14.71	14.42	114.533	20.59	21.06	Pass
*138 (U-NII-3)	5690	-1.25	-0.86	-1.17	-1.41	3.0569	4.85	27.13	Pass
155	5775	21.02	21.09	21.18	20.77	505.621	27.04	27.13	Pass

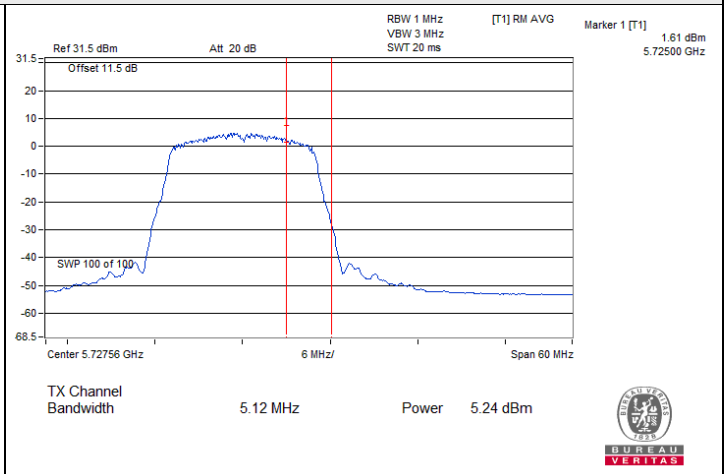
Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$ + $10^{Chain2/20}$ + $10^{Chain3/20}$)^2 / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.84-6) = 27.16 dBm.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.84-6)].
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(8.94-6)].
6. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the output power limit shall be reduced to 30-(8.87-6) = 27.13 dBm.

Spectrum Plot for channel straddling

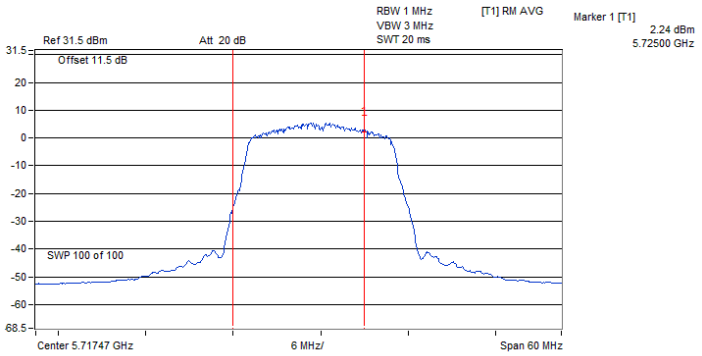


802.11a / Chain 0 : CH 144 (U-NII-2C)



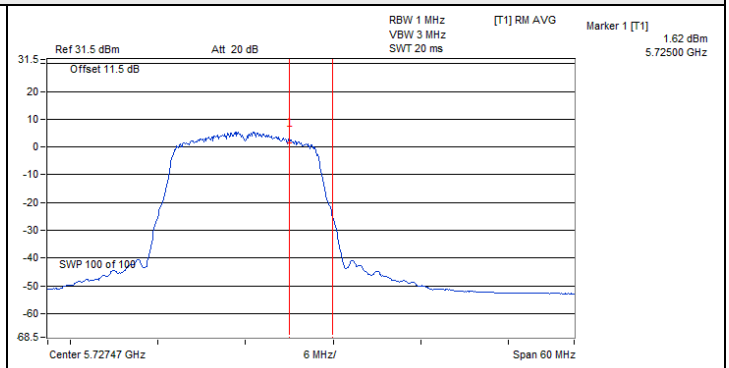
802.11a / Chain 0 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



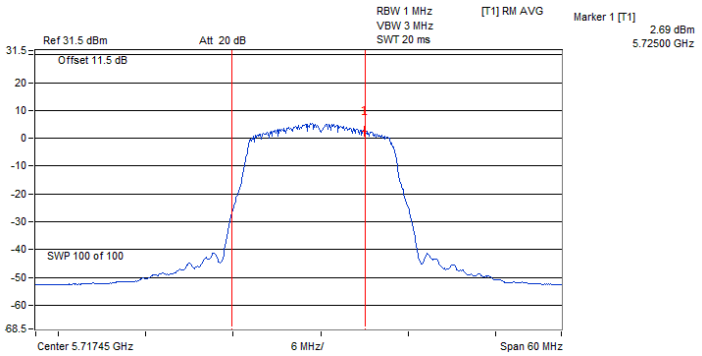
TX Channel Bandwidth 15.05 MHz Power 13.94 dBm

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



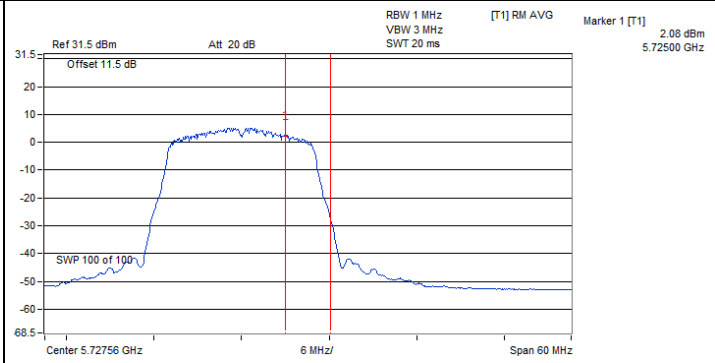
TX Channel Bandwidth 4.95 MHz Power 5.54 dBm

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



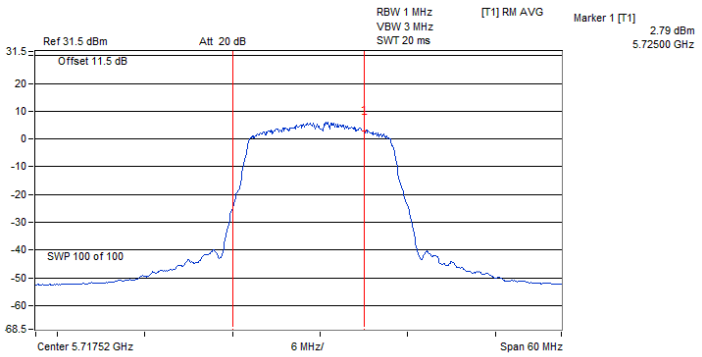
TX Channel Bandwidth 15.1 MHz Power 13.84 dBm

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



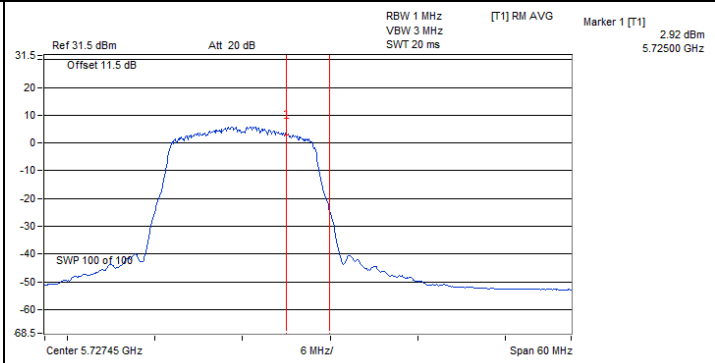
TX Channel Bandwidth 5.13 MHz Power 5.46 dBm

802.11a / Chain 2 : CH 144 (U-NII-3)



TX Channel Bandwidth 14.96 MHz Power 14.99 dBm

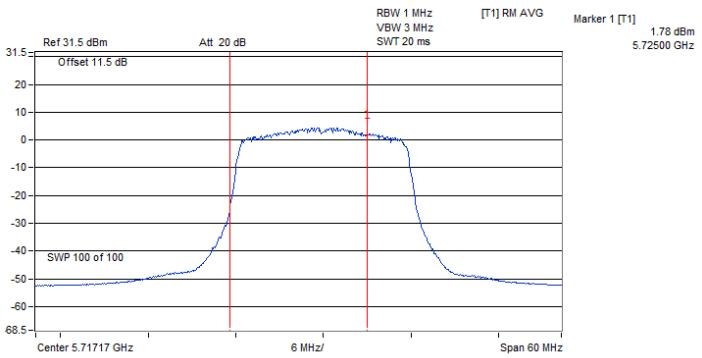
802.11a / Chain 3 : CH 144 (U-NII-2C)



TX Channel Bandwidth 4.91 MHz Power 6.26 dBm

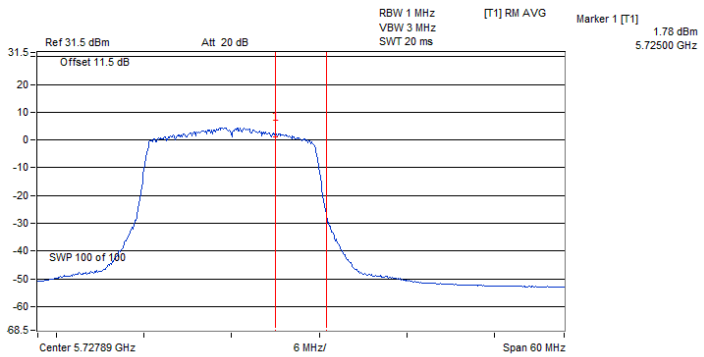
802.11a / Chain 3 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



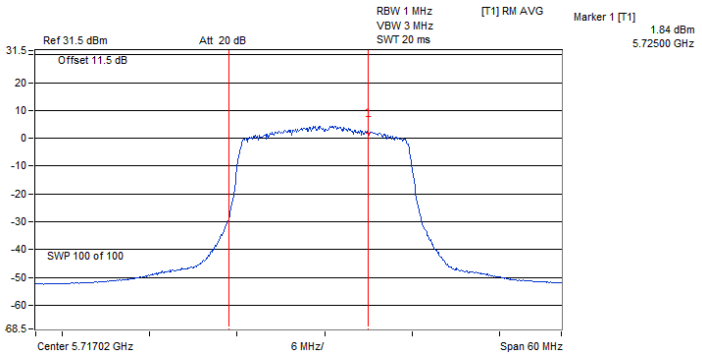
TX Channel Bandwidth 15.65 MHz Power 13.59 dBm

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



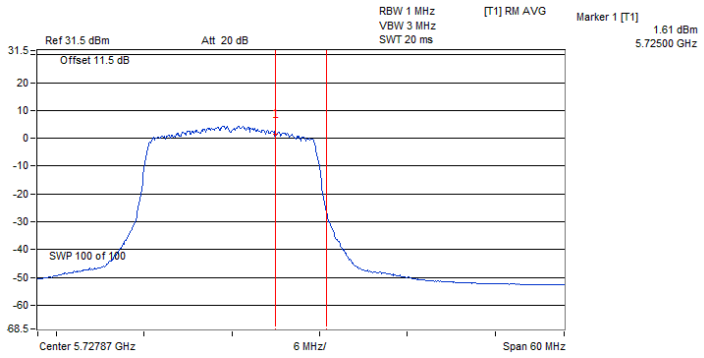
TX Channel Bandwidth 5.79 MHz Power 6.78 dBm

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



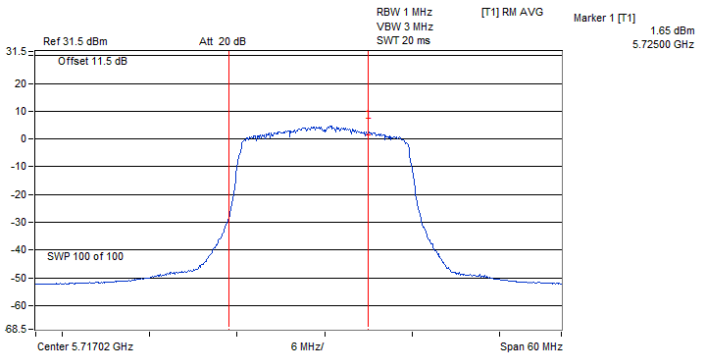
TX Channel Bandwidth 15.96 MHz Power 13.52 dBm

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



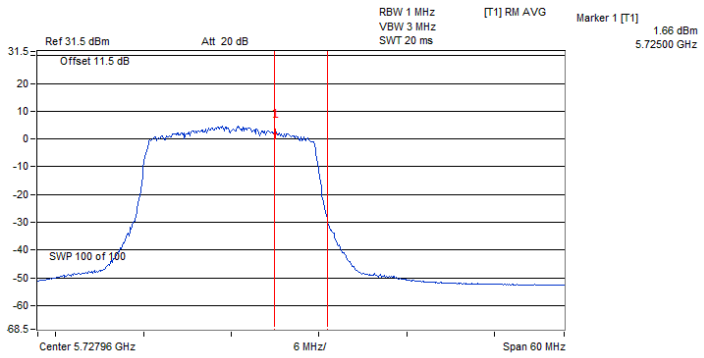
TX Channel Bandwidth 5.74 MHz Power 6.68 dBm

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



TX Channel Bandwidth 15.95 MHz Power 13.72 dBm

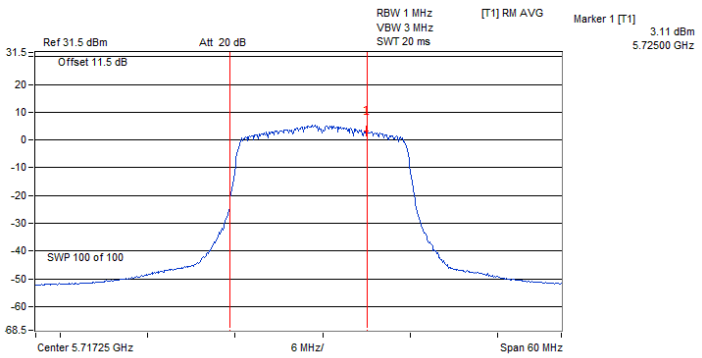
802.11ax (HE20) / Chain 2 : CH 144 (U-NII-2C)



TX Channel Bandwidth 5.92 MHz Power 6.83 dBm

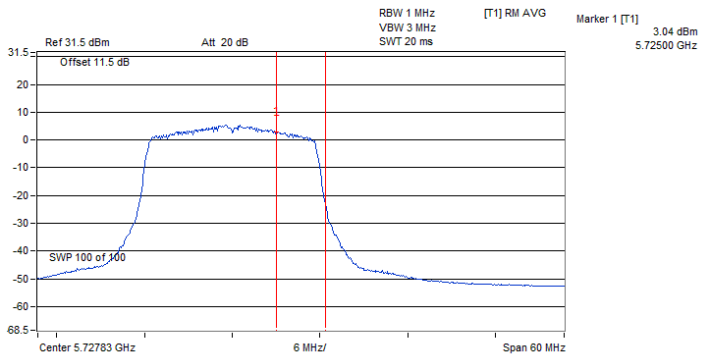
802.11ax (HE20) / Chain 2 : CH 144 (U-NII-3)

Spectrum Plot for channel straddling



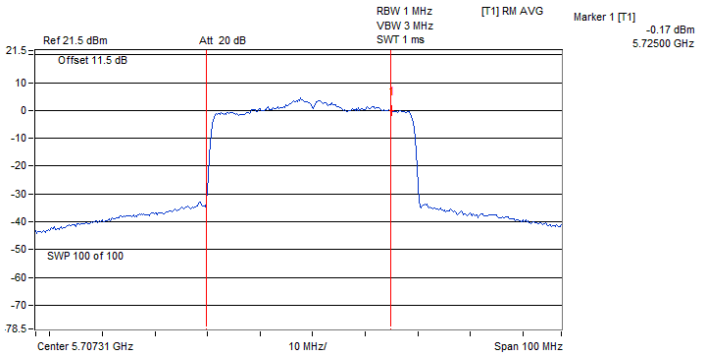
TX Channel Bandwidth 15.5 MHz Power 14.4 dBm

802.11ax (HE20) / Chain 3 : CH 144 (U-NII-2C)



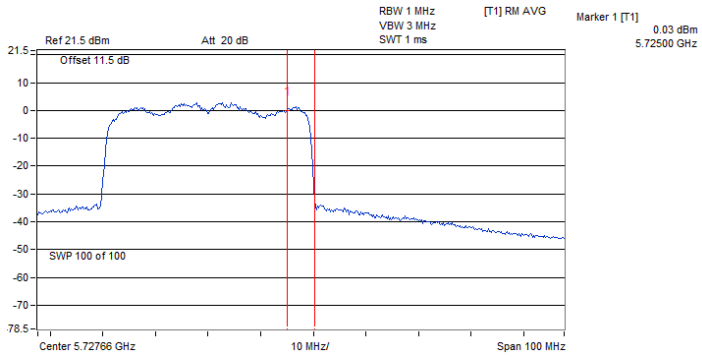
TX Channel Bandwidth 5.67 MHz Power 7.46 dBm

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



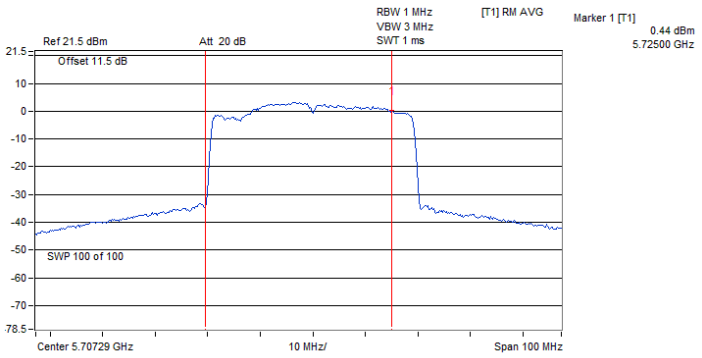
TX Channel Bandwidth 35.37 MHz Power 17.56 dBm

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



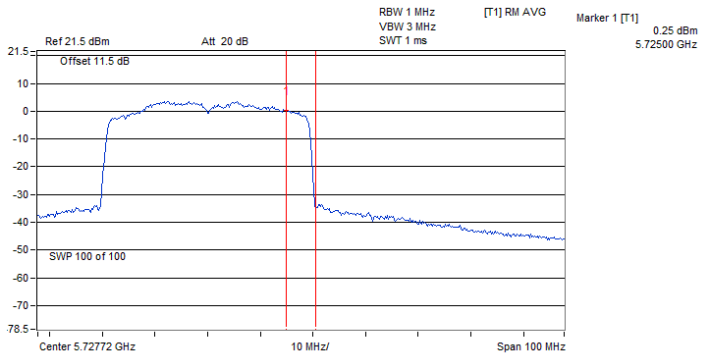
TX Channel Bandwidth 5.33 MHz Power 7.56 dBm

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



TX Channel Bandwidth 35.42 MHz Power 17.61 dBm

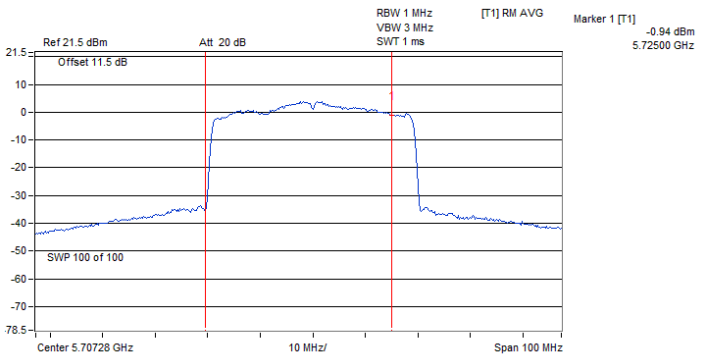
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-2C)



TX Channel Bandwidth 5.45 MHz Power 6.56 dBm

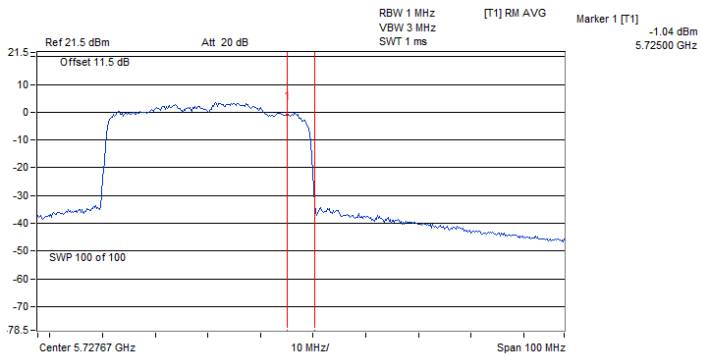
802.11ax (HE40) / Chain 1 : CH 142 (U-NII-3)

Spectrum Plot for channel straddling



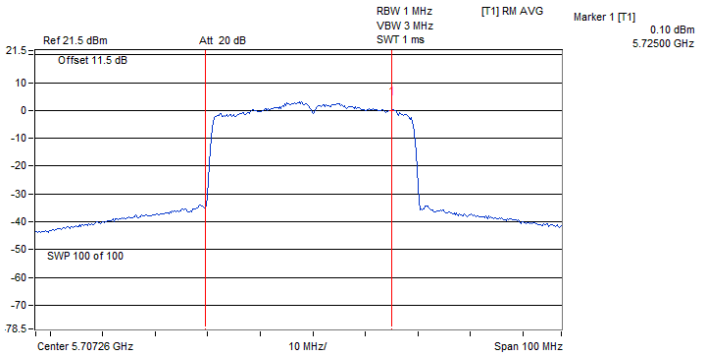
TX Channel Bandwidth 35.43 MHz Power 17.75 dBm

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



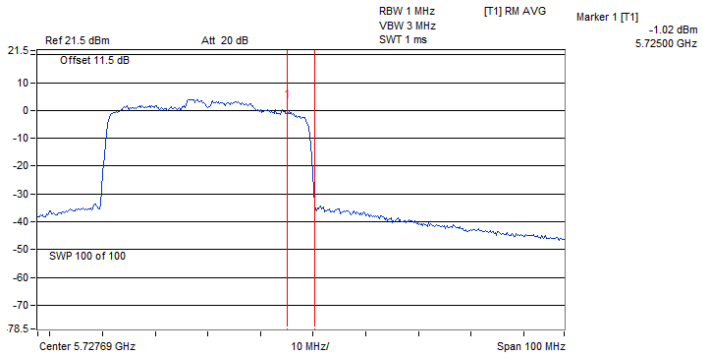
TX Channel Bandwidth 5.34 MHz Power 5.71 dBm

802.11ax (HE40) / Chain 2 : CH 142 (U-NII-3)



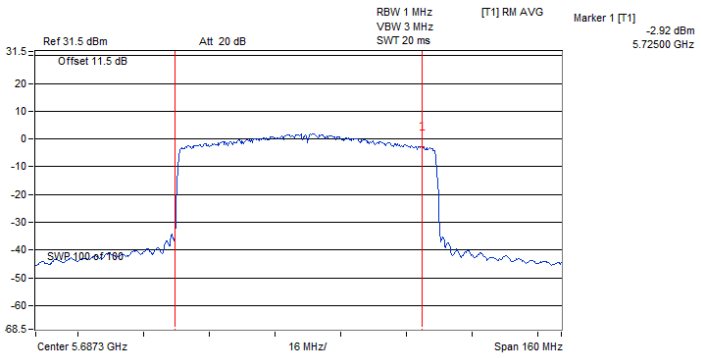
TX Channel Bandwidth 35.48 MHz Power 17.25 dBm

802.11ax (HE40) / Chain 3 : CH 142 (U-NII-2C)



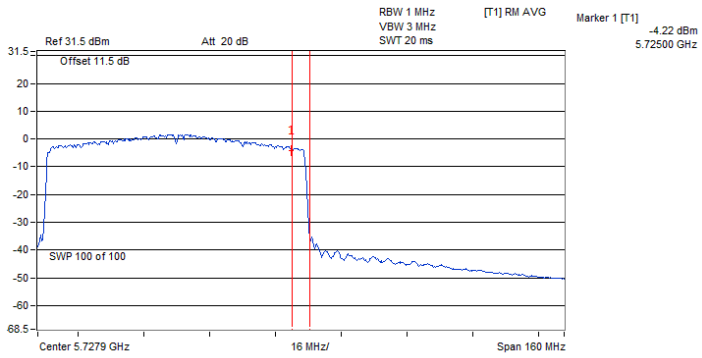
TX Channel Bandwidth 5.39 MHz Power 5.44 dBm

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



TX Channel Bandwidth 75.39 MHz Power 17.51 dBm

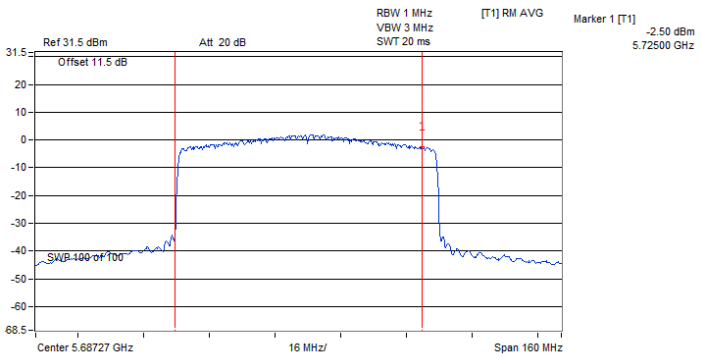
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-2C)



TX Channel Bandwidth 5.8 MHz Power 1.78 dBm

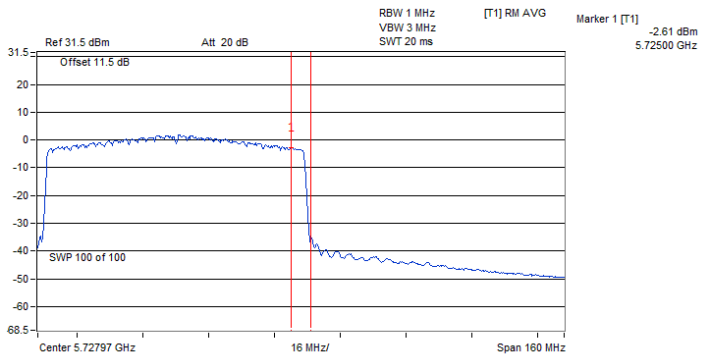
802.11ax (HE80) / Chain 0 : CH 138 (U-NII-3)

Spectrum Plot for channel straddling



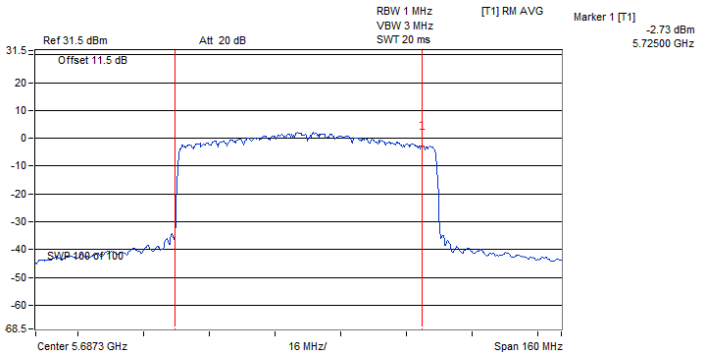
TX Channel Bandwidth 75.45 MHz Power 17.55 dBm

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



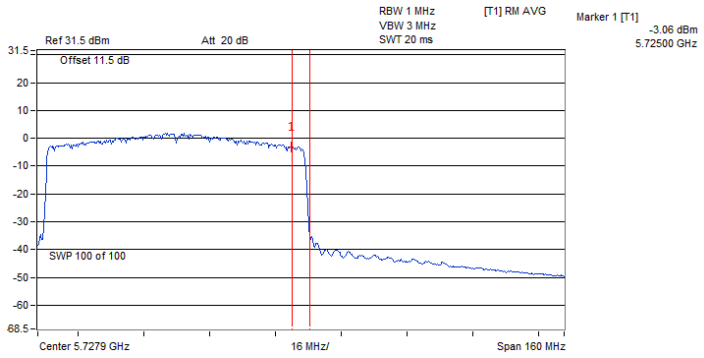
TX Channel Bandwidth 5.94 MHz Power 2.16 dBm

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



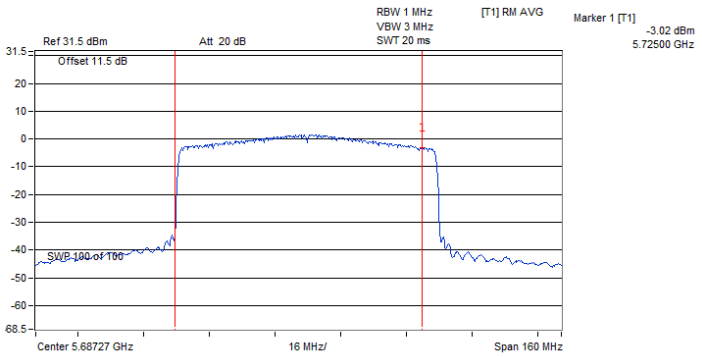
TX Channel Bandwidth 75.4 MHz Power 17.66 dBm

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



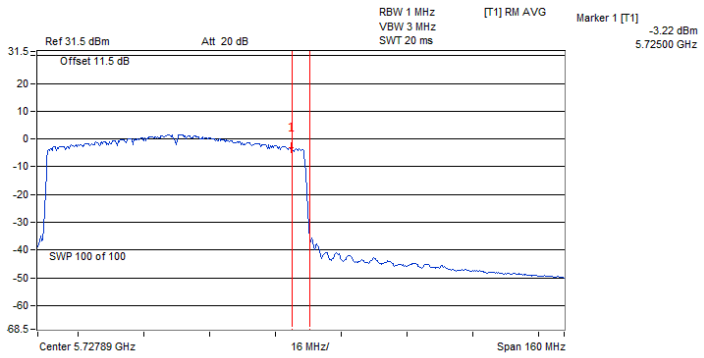
TX Channel Bandwidth 5.8 MHz Power 1.86 dBm

802.11ax (HE80) / Chain 2 : CH 138 (U-NII-3)



TX Channel Bandwidth 75.45 MHz Power 17.35 dBm

802.11ax (HE80) / Chain 3 : CH 138 (U-NII-2C)



TX Channel Bandwidth 5.79 MHz Power 1.63 dBm

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

7.3 Power Spectral Density

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

For U-NII-1, U-NII-2A, U-NII-2C Band

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	8.11	8.26	8.37	7.55	14.10	14.16	Pass
40	5200	7.73	8.03	7.89	7.81	13.89	14.16	Pass
48	5240	7.69	8.00	7.86	7.68	13.83	14.16	Pass
52	5260	1.82	2.21	2.22	1.94	8.07	8.16	Pass
60	5300	1.65	2.14	2.17	1.97	8.01	8.16	Pass
64	5320	1.72	2.23	2.08	1.91	8.01	8.16	Pass
100	5500	1.67	1.82	1.83	2.16	7.89	8.06	Pass
116	5580	1.57	1.78	1.79	2.17	7.85	8.06	Pass
140	5700	1.56	1.71	1.76	2.08	7.80	8.06	Pass
144 (U-NII-2C)	5720	1.44	1.73	1.71	2.54	7.90	8.06	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6dBi, so the power density limit shall be reduced to 17-(8.84-6) = 14.16 dBm/MHz.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.84-6) = 8.16 dBm/MHz.
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.94-6) = 8.06 dBm/MHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	6.79	7.04	6.85	6.44	12.81	14.16	Pass
40	5200	7.60	7.91	7.92	7.84	13.84	14.16	Pass
48	5240	7.56	7.89	7.95	7.78	13.82	14.16	Pass
52	5260	1.54	2.37	2.01	1.78	7.96	8.16	Pass
60	5300	1.74	1.79	2.00	1.86	7.87	8.16	Pass
64	5320	1.72	1.56	1.77	2.02	7.79	8.16	Pass
100	5500	1.45	1.71	1.66	2.04	7.74	8.06	Pass
116	5580	1.78	1.42	1.62	1.93	7.71	8.06	Pass
140	5700	1.56	1.66	1.68	2.49	7.88	8.06	Pass
144 (U-NII-2C)	5720	1.42	1.50	1.48	2.29	7.71	8.06	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6dBi, so the power density limit shall be reduced to 17-(8.84-6) = 14.16 dBm/MHz.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.84-6) = 8.16 dBm/MHz.
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.94-6) = 8.06 dBm/MHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
38	5190	1.82	1.92	1.85	0.97	7.68	14.16	Pass
46	5230	7.15	7.33	7.38	7.03	13.25	14.16	Pass
54	5270	1.17	1.30	2.33	1.05	7.51	8.16	Pass
62	5310	1.07	1.26	1.14	0.68	7.06	8.16	Pass
102	5510	1.54	1.67	1.77	1.41	7.62	8.06	Pass
110	5550	1.39	1.42	1.61	1.37	7.47	8.06	Pass
134	5670	1.62	1.76	1.93	1.47	7.72	8.06	Pass
142 (U-NII-2C)	5710	1.53	1.61	1.72	1.23	7.55	8.06	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6dBi, so the power density limit shall be reduced to 17-(8.84-6) = 14.16 dBm/MHz.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.84-6) = 8.16 dBm/MHz.
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.94-6) = 8.06 dBm/MHz.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3			
42	5210	-4.11	-4.31	-4.41	-4.90	1.60	14.16	Pass
58	5290	-2.66	-2.57	-2.47	-2.87	3.38	8.16	Pass
106	5530	-2.08	-2.09	-2.05	-2.51	3.84	8.06	Pass
122	5610	-2.18	-1.21	-1.25	-1.71	4.45	8.06	Pass
138 (U-NII-2C)	5690	-1.33	-1.09	-0.98	-1.29	4.85	8.06	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-1, the directional gain is 8.84 dBi > 6dBi, so the power density limit shall be reduced to 17-(8.84-6) = 14.16 dBm/MHz.
4. For U-NII-2A, the directional gain is 8.84 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.84-6) = 8.16 dBm/MHz.
5. For U-NII-2C, the directional gain is 8.94 dBi > 6 dBi, so the power density limit shall be reduced to 11-(8.94-6) = 8.06 dBm/MHz.

For U-NII-3 Band

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-7.30	-7.68	-7.55	-6.59	-1.24	0.98	27.13	Pass
149	5745	4.35	4.07	4.18	4.04	10.18	12.40	27.13	Pass
157	5785	4.22	3.86	4.06	3.86	10.02	12.24	27.13	Pass
165	5825	3.92	3.63	3.81	3.85	9.82	12.04	27.13	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the power density limit shall be reduced to 30-(8.87-6) = 27.13 dBm/500kHz.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
144 (U-NII-3)	5720	-8.60	-8.38	-8.56	-7.84	-2.31	-0.09	27.13	Pass
149	5745	3.34	2.89	2.82	2.60	8.94	11.16	27.13	Pass
157	5785	3.23	2.93	2.93	2.68	8.97	11.19	27.13	Pass
165	5825	3.15	2.87	2.92	2.57	8.9	11.12	27.13	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the power density limit shall be reduced to 30-(8.87-6) = 27.13 dBm/500kHz.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
142 (U-NII-3)	5710	-9.78	-7.04	-7.17	-7.18	-1.64	0.58	27.13	Pass
151	5755	0.37	0.42	0.43	0.41	6.43	8.65	27.13	Pass
159	5795	0.54	0.36	0.49	0.50	6.49	8.71	27.13	Pass

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20} + 10^{Chain2/20} + 10^{Chain3/20})^2$ / 4]
3. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the power density limit shall be reduced to 30-(8.87-6) = 27.13 dBm/500kHz.

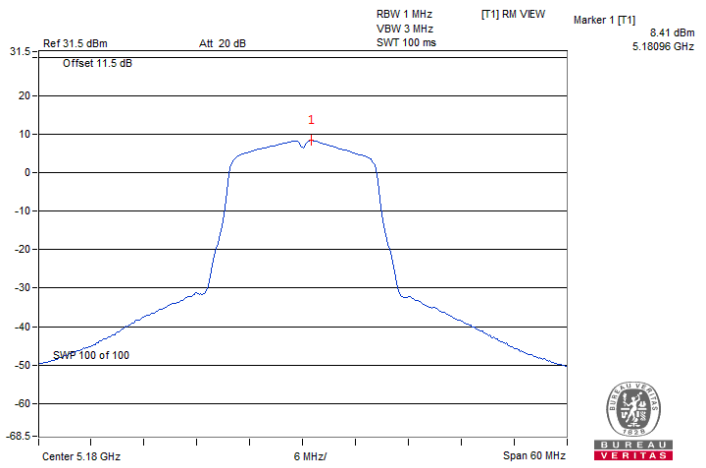
802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/300kHz)				Total PSD (dBm/300kHz)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3				
138 (U-NII-3)	5690	-14.96	-14.58	-14.91	-14.84	-8.8	-6.58	27.13	Pass
155	5775	-4.76	-4.66	-4.55	-5.04	1.27	3.49	27.13	Pass

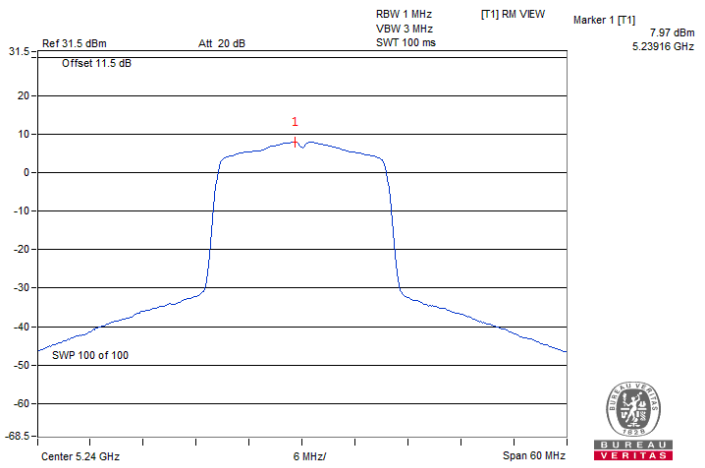
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$ + $10^{Chain2/20}$ + $10^{Chain3/20}$)^2 / 4]
3. For U-NII-3, the directional gain is 8.87 dBi > 6 dBi, so the power density limit shall be reduced to 30-(8.87-6) = 27.13 dBm/500kHz.

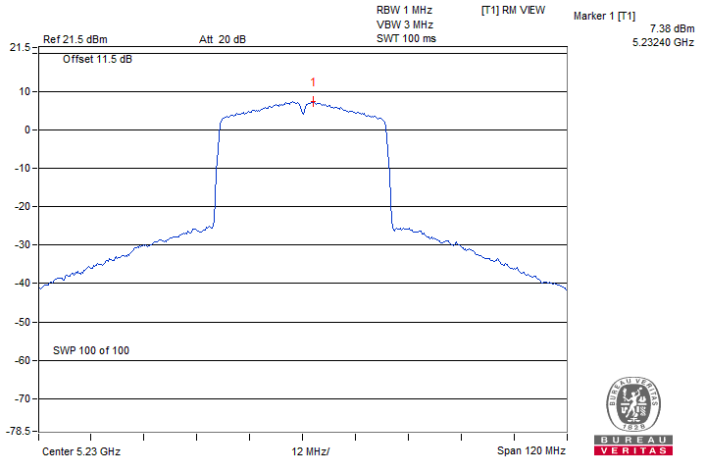
Spectrum Plot of Maximum Value



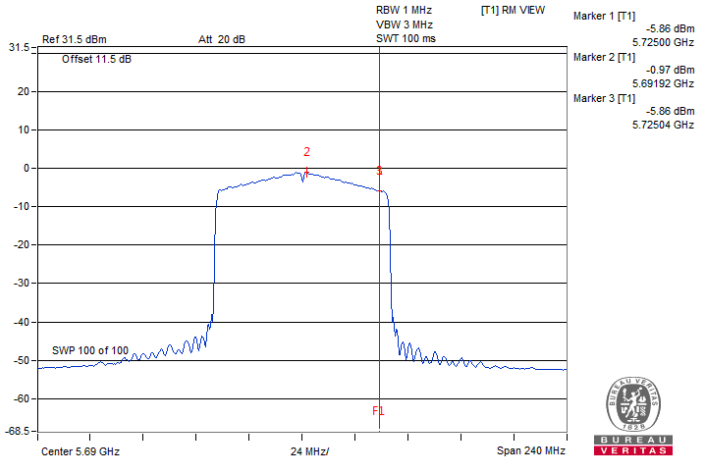
802.11a / Chain 2 : CH 36



802.11ax (HE20) / Chain 2 : CH 48

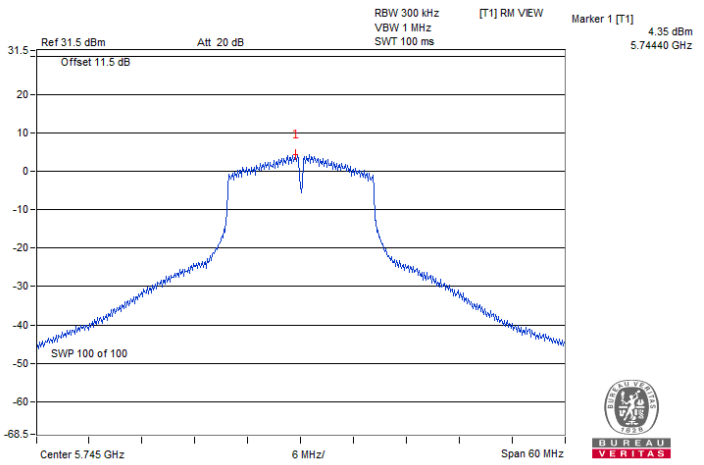


802.11ax (HE40) / Chain 2 : CH 46

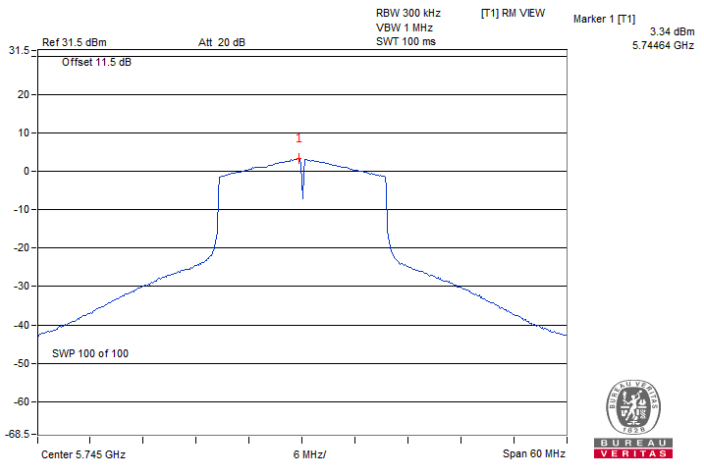


802.11ax (HE80) / Chain 2 : CH 138 (U-NII-2C)

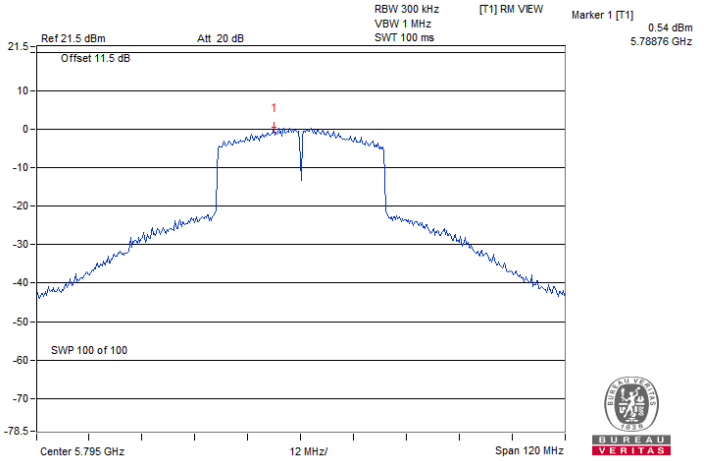
Spectrum Plot of Maximum Value



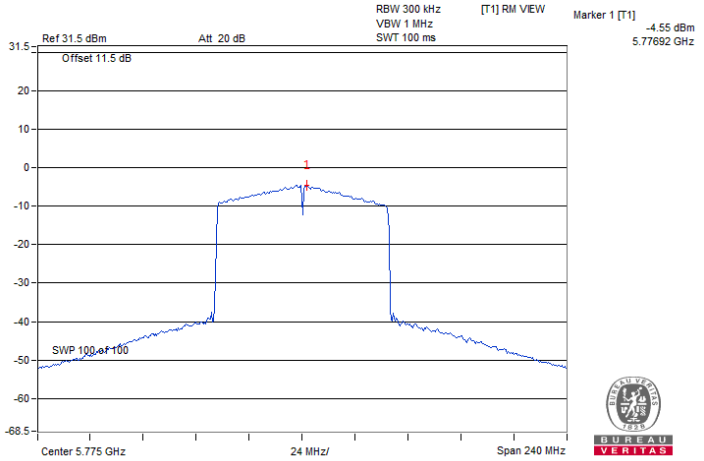
802.11a / Chain 0 : CH 149



802.11ax (HE20) / Chain 0 : CH 149



802.11ax (HE40) / Chain 0 : CH 159



802.11ax (HE80) / Chain 2 : CH 155

7.4 6 dB Bandwidth

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

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	2.53	2.52	2.56	2.53	0.5	Pass
149	5745	15.12	13.89	15.10	15.12	0.5	Pass
157	5785	15.09	15.08	15.03	15.15	0.5	Pass
165	5825	15.13	15.13	15.04	15.10	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
144 (U-NII-3)	5720	3.28	3.68	3.35	3.95	0.5	Pass
149	5745	15.27	16.42	15.28	18.45	0.5	Pass
157	5785	16.93	17.12	15.13	16.84	0.5	Pass
165	5825	15.64	15.66	16.12	16.26	0.5	Pass

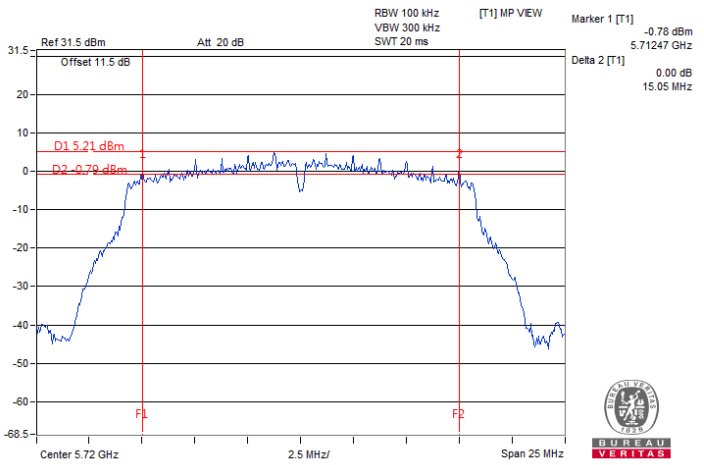
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
142 (U-NII-3)	5710	2.61	2.63	2.62	2.56	0.5	Pass
151	5755	36.54	36.38	37.34	36.38	0.5	Pass
159	5795	36.34	36.34	36.54	36.34	0.5	Pass

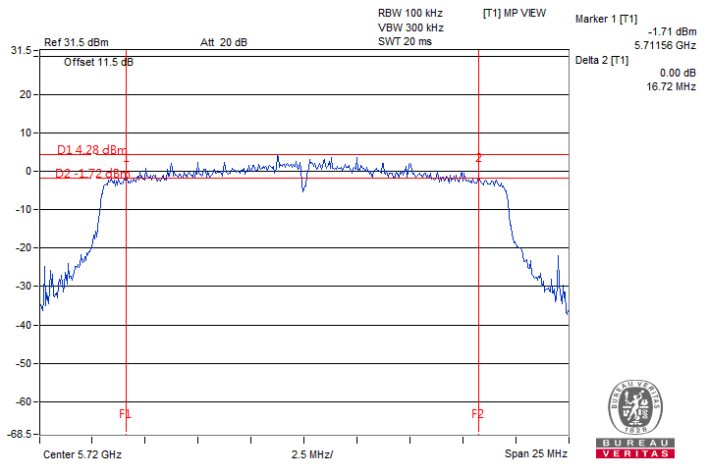
802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)				Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1	Chain 2	Chain 3		
138 (U-NII-3)	5690	2.63	1.57	2.68	1.29	0.5	Pass
155	5775	74.18	73.92	74.64	73.03	0.5	Pass

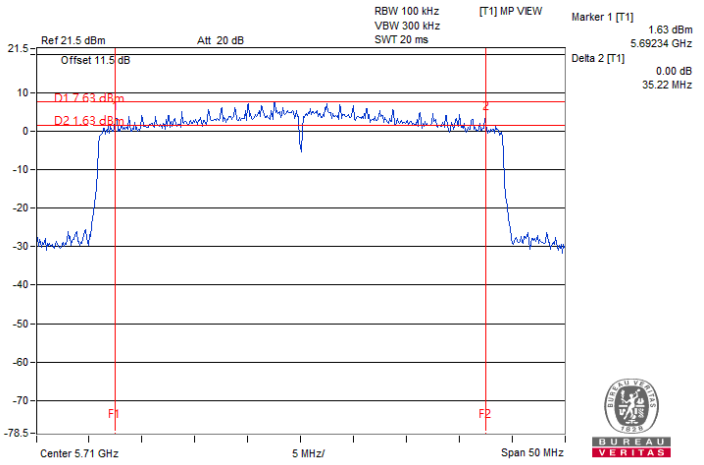
Spectrum Plot of Minimum Value



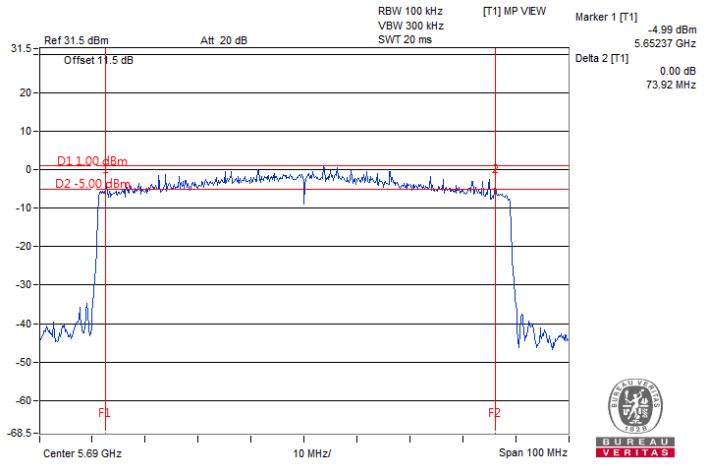
802.11a / Chain 1 : CH 144 (U-NII-3)



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



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



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

Notes:

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

7.5 Occupied Bandwidth

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

802.11a

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	16.44	16.34	16.44	16.44
40	5200	16.44	16.44	16.44	16.44
48	5240	16.54	16.44	16.44	16.44
52	5260	16.44	16.44	16.44	16.56
60	5300	16.44	16.44	16.44	16.32
64	5320	16.44	16.44	16.44	16.44
100	5500	16.44	16.44	16.44	16.44
116	5580	16.44	16.44	16.44	16.44
140	5700	16.44	16.44	16.44	16.44
144 (U-NII-2C)	5720	13.28	13.28	13.28	13.28
144 (U-NII-3)	5720	3.16	3.16	3.16	3.16
149	5745	16.83	16.64	16.73	16.44
157	5785	16.80	16.68	16.56	16.44
165	5825	16.68	16.68	16.68	16.44

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.84	18.84	18.84	18.96
40	5200	18.96	18.84	18.84	18.84
48	5240	18.72	18.84	18.84	18.84
52	5260	18.84	18.96	18.84	18.84
60	5300	18.96	18.96	18.84	18.96
64	5320	18.96	18.96	18.84	18.84
100	5500	18.84	18.84	18.84	18.84
116	5580	18.84	18.96	18.96	18.84
140	5700	18.96	18.96	18.84	18.84
144 (U-NII-2C)	5720	14.48	14.48	14.60	14.48
144 (U-NII-3)	5720	4.36	4.36	4.48	4.36
149	5745	18.94	19.04	19.14	18.94
157	5785	19.20	19.08	19.08	18.96
165	5825	19.08	18.96	18.94	18.96

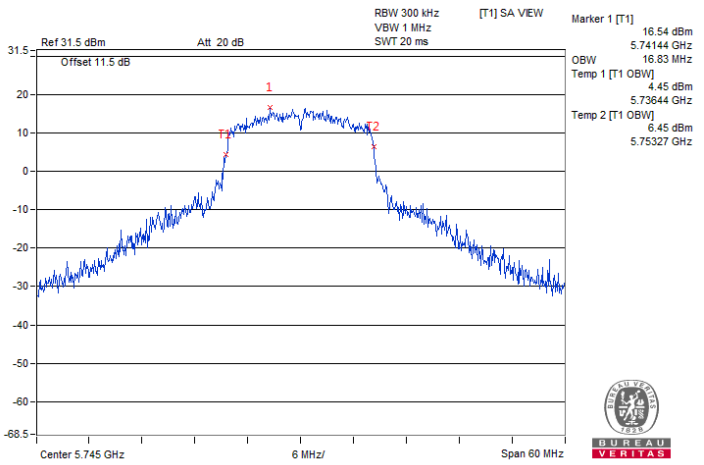
802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	37.68	37.44	37.68	37.68
46	5230	37.92	37.92	37.92	37.68
54	5270	37.68	37.68	37.68	37.68
62	5310	37.68	37.68	37.68	37.68
102	5510	37.68	37.68	37.68	37.68
110	5550	37.56	37.56	37.56	37.56
134	5670	37.68	37.68	37.68	37.68
142 (U-NII-2C)	5710	33.96	33.96	33.96	33.96
142 (U-NII-3)	5710	3.72	3.72	3.72	3.72
151	5755	39.48	39.31	39.31	39.13
159	5795	39.65	39.31	39.31	39.31

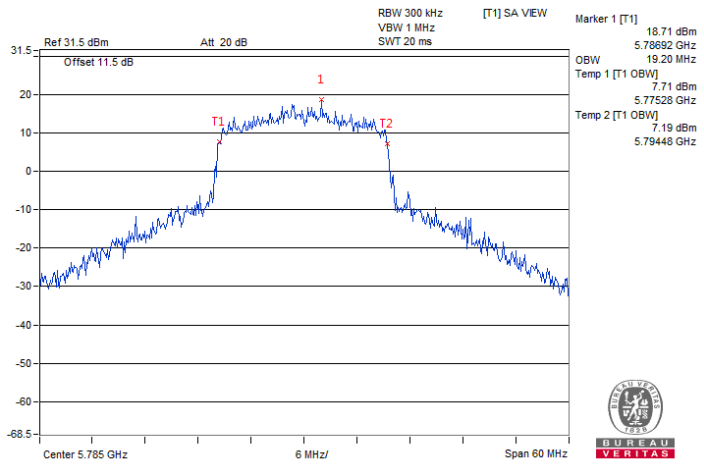
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	76.32	76.32	77.28	77.28
58	5290	76.32	76.80	76.32	76.80
106	5530	76.32	76.32	76.80	76.80
122	5610	76.32	76.32	76.80	76.80
138 (U-NII-2C)	5690	73.40	73.88	73.88	73.88
138 (U-NII-3)	5690	2.92	2.92	3.40	3.40
155	5775	77.28	77.28	77.28	77.28

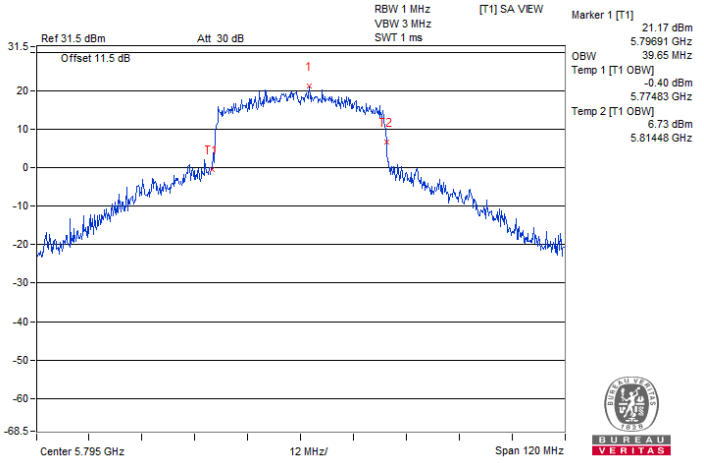
Spectrum Plot of Maximum Value



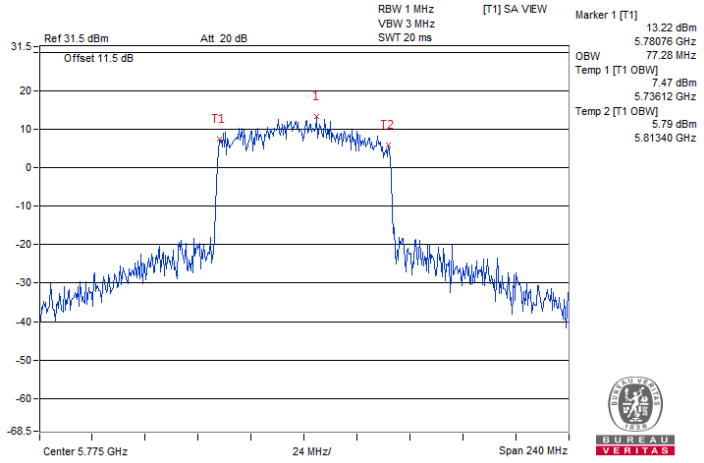
802.11a / Chain 0 : CH 149



802.11ax (HE20) / Chain 0 : CH 157



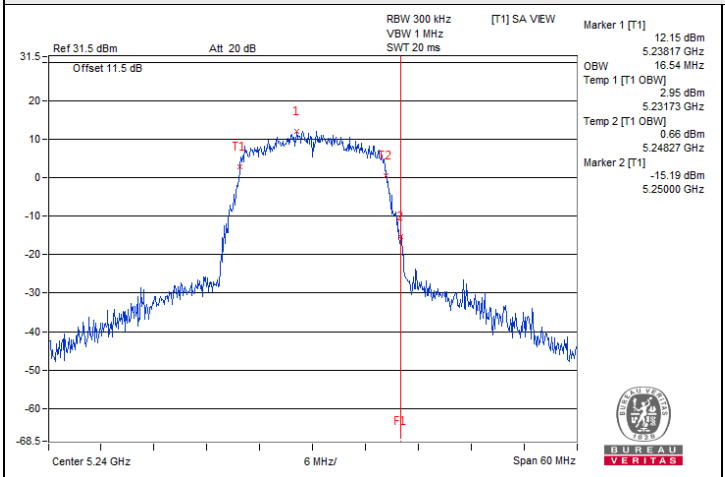
802.11ax (HE40) / Chain 0 : CH 159



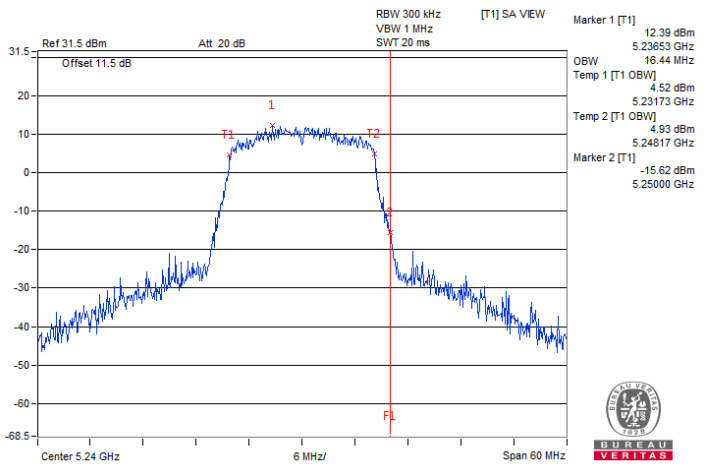
802.11ax (HE80) / Chain 0 : CH 155

Spectrum Plot for nearby DFS band

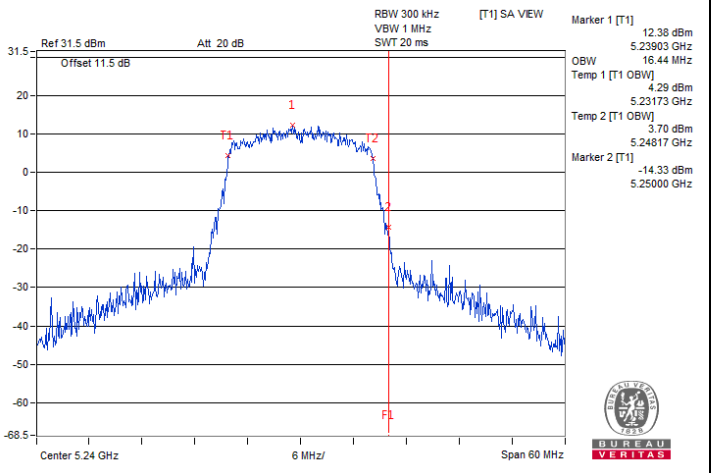
(DFS is required, if 99% OCP straddle into U-NII-2A)



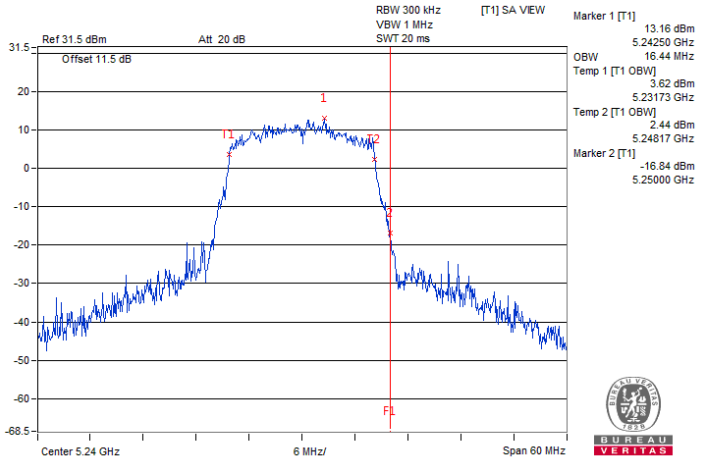
802.11a / Chain 0 : CH 48



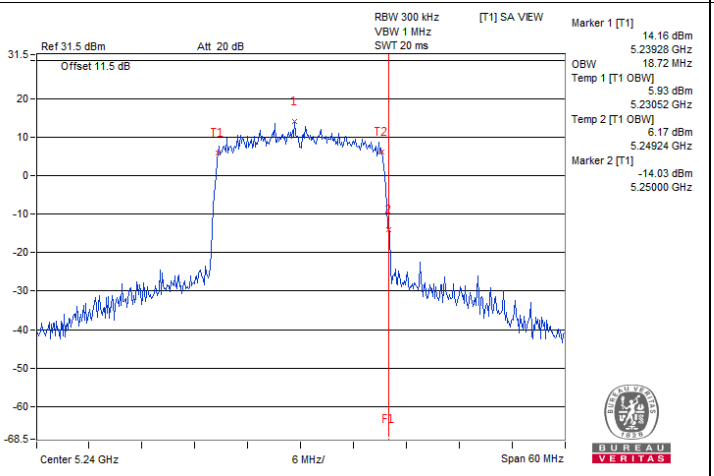
802.11a / Chain 1 : CH 48



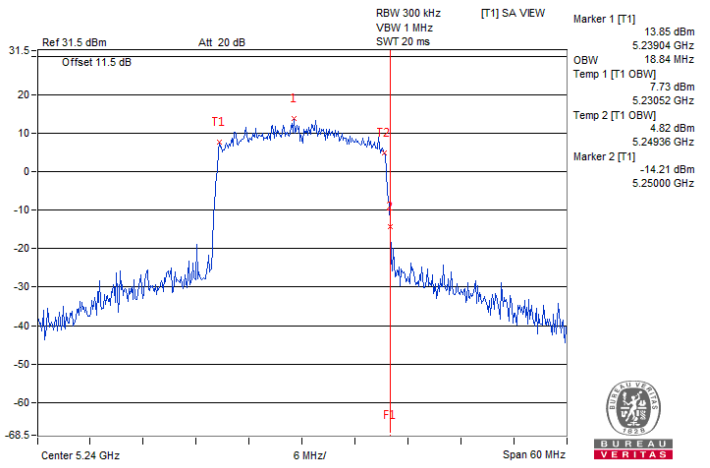
802.11a / Chain 2 : CH 48



802.11a / Chain 3 : CH 48



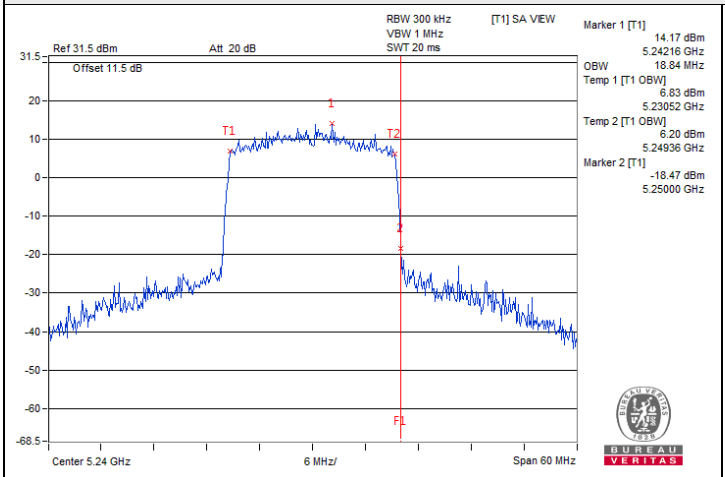
802.11ax (HE20) / Chain 0 : CH 48



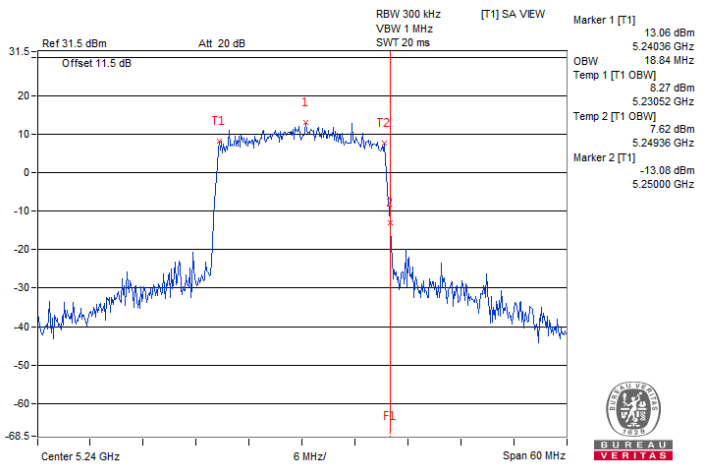
802.11ax (HE20) / Chain 1 : CH 48

Spectrum Plot for nearby DFS band

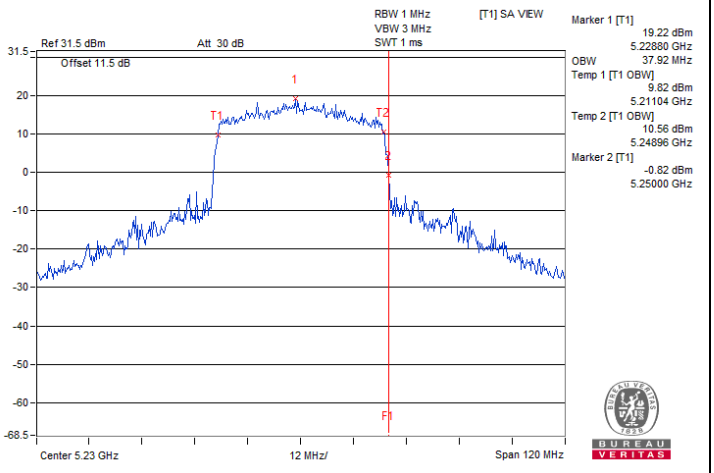
(DFS is required, if 99% OCP straddle into U-NII-2A)



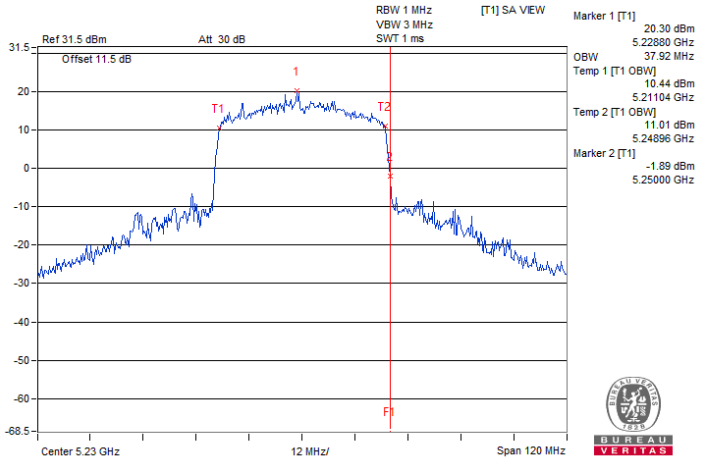
802.11ax (HE20) / Chain 2 : CH 48



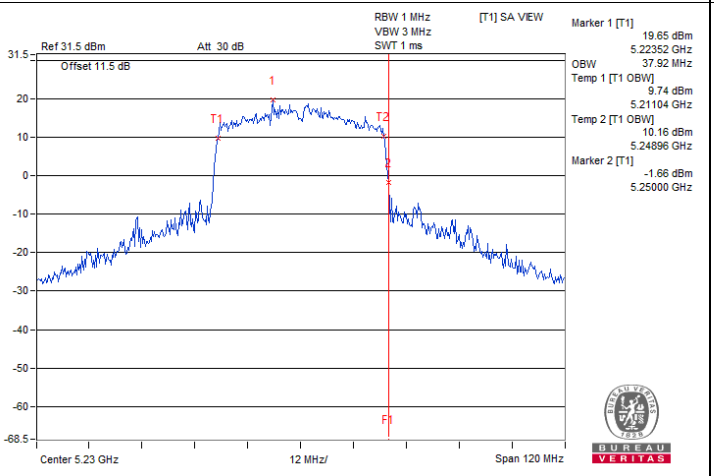
802.11ax (HE20) / Chain 3 : CH 48



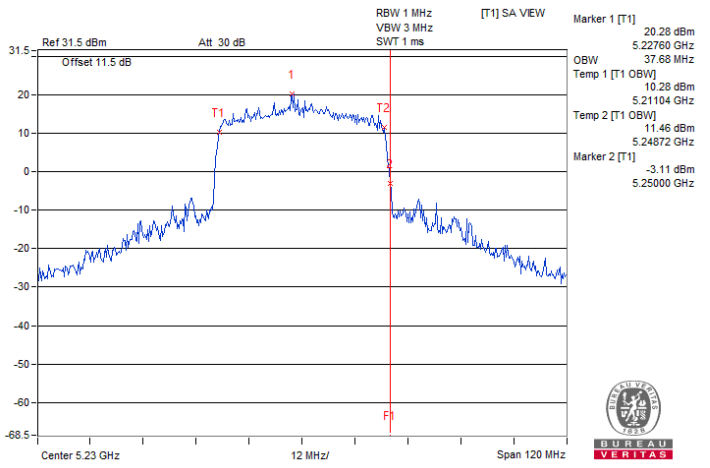
802.11ax (HE40) / Chain 0 : CH 46



802.11ax (HE40) / Chain 1 : CH 46



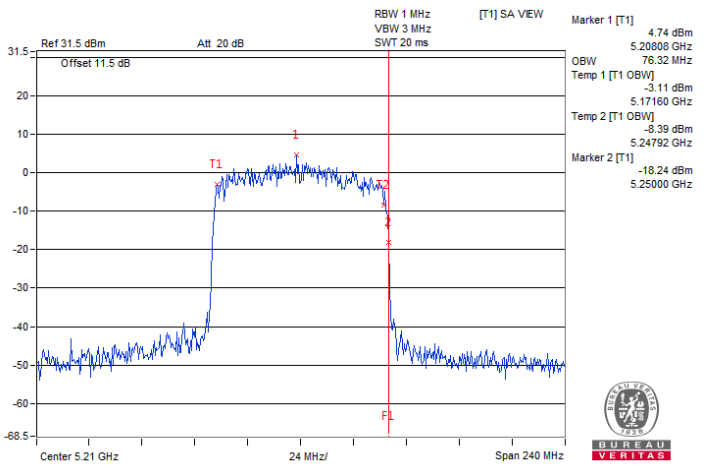
802.11ax (HE40) / Chain 2 : CH 46



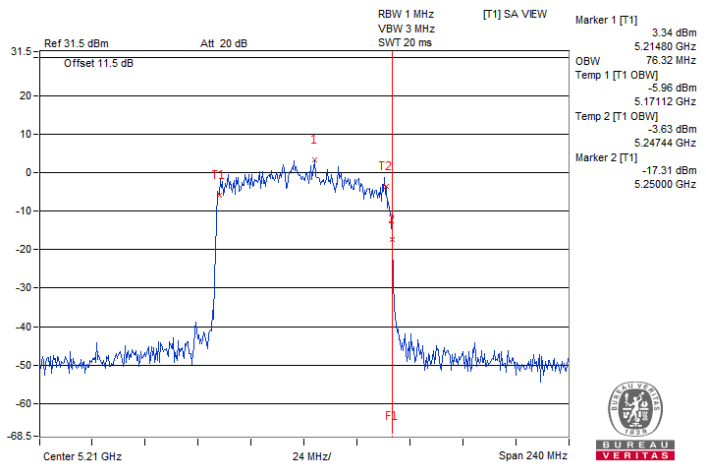
802.11ax (HE40) / Chain 3 : CH 46

Spectrum Plot for nearby DFS band

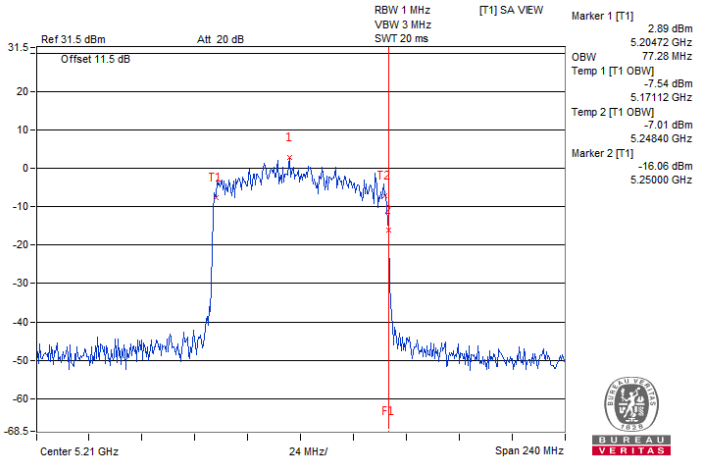
(DFS is required, if 99% OCP straddle into U-NII-2A)



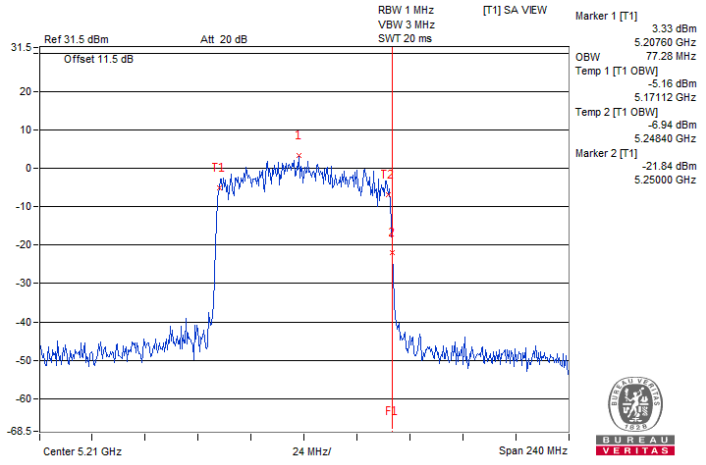
802.11ax (HE80) / Chain 0 : CH 42



802.11ax (HE80) / Chain 1 : CH 42



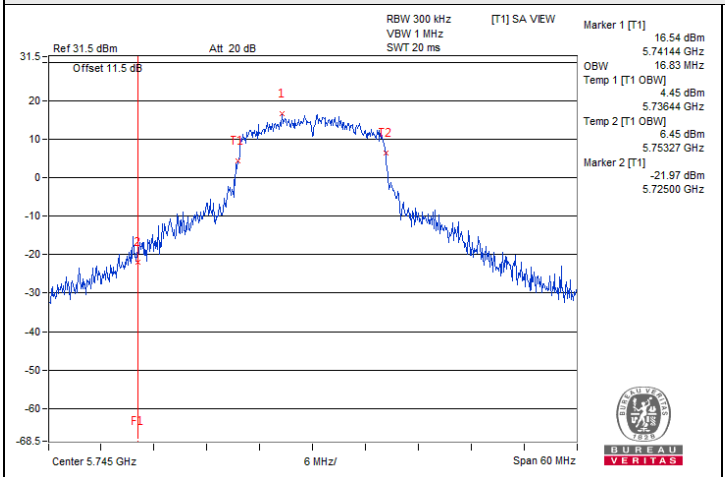
802.11ax (HE80) / Chain 2 : CH 42



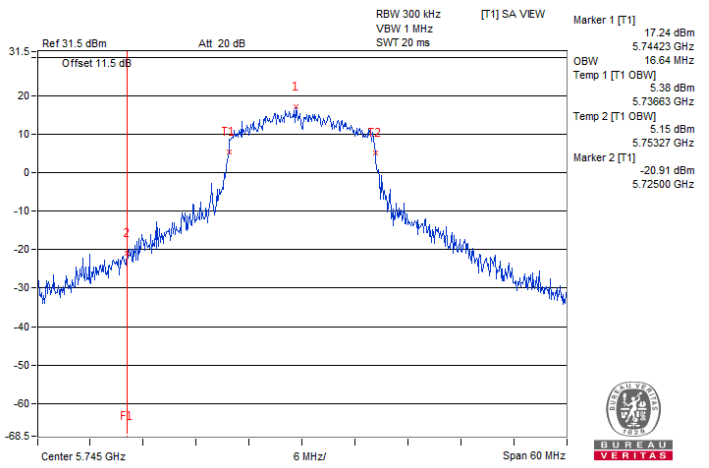
802.11ax (HE80) / Chain 3 : CH 42

Spectrum Plot for nearby DFS band

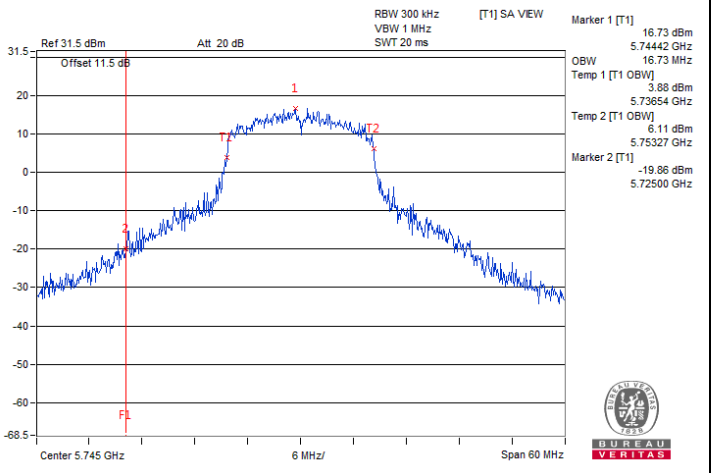
(DFS is required, if 99% OCP straddle into U-NII-2C)



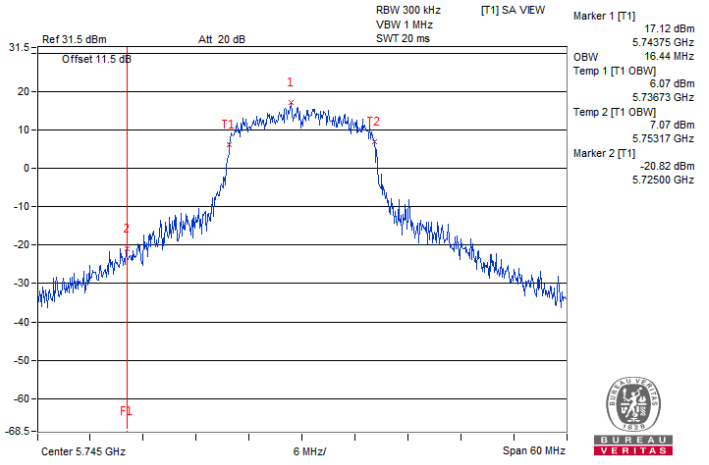
802.11a / Chain 0 : CH 149



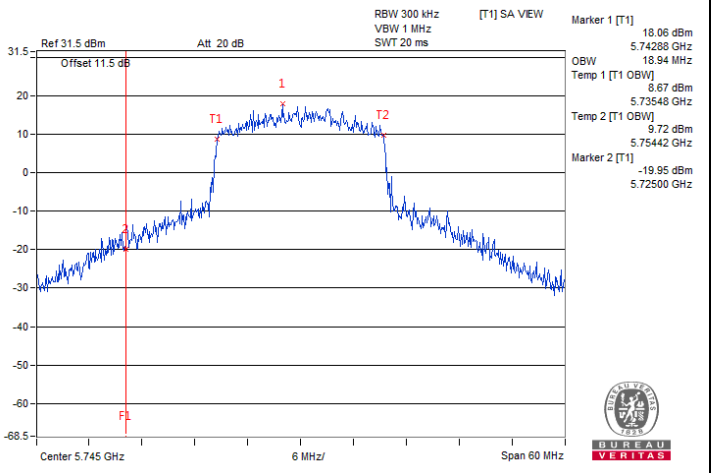
802.11a / Chain 1 : CH 149



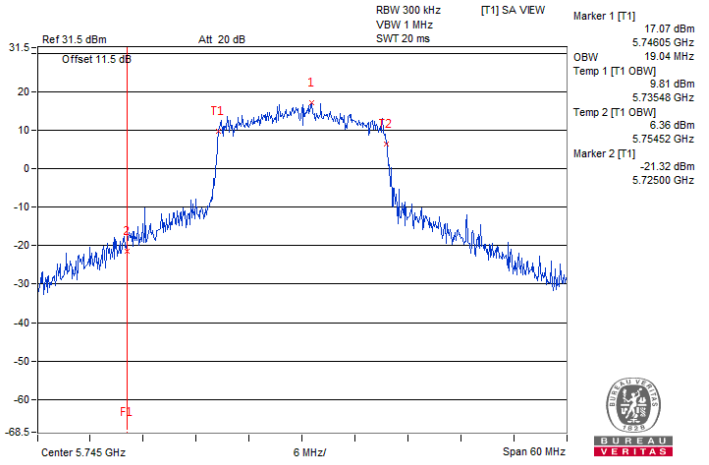
802.11a / Chain 2 : CH 149



802.11a / Chain 3 : CH 149



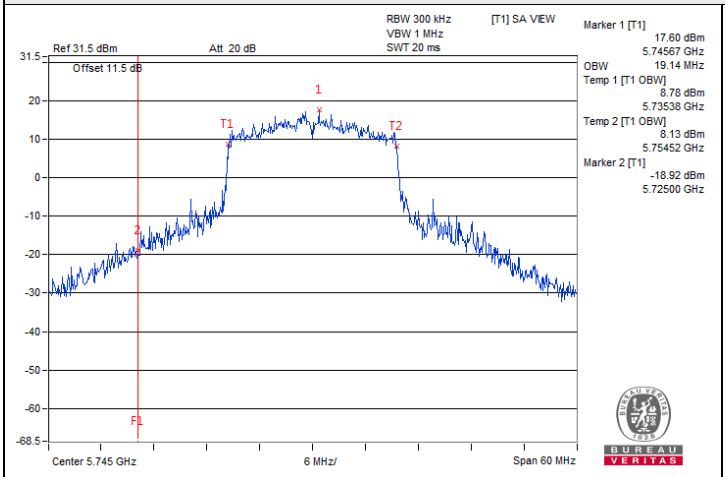
802.11ax (HE20) / Chain 0 : CH 149



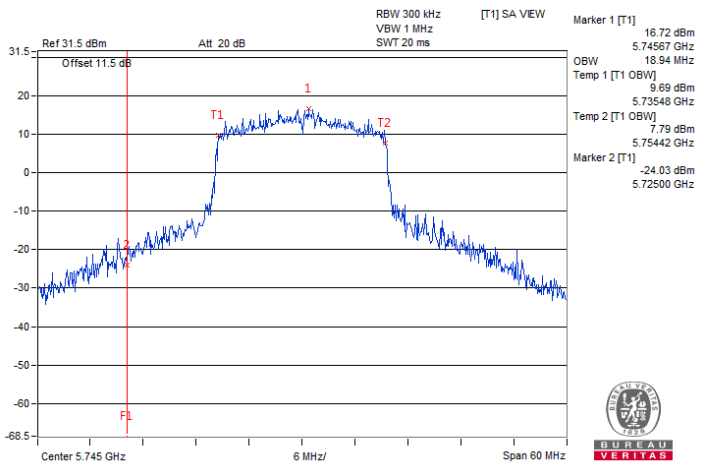
802.11ax (HE20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

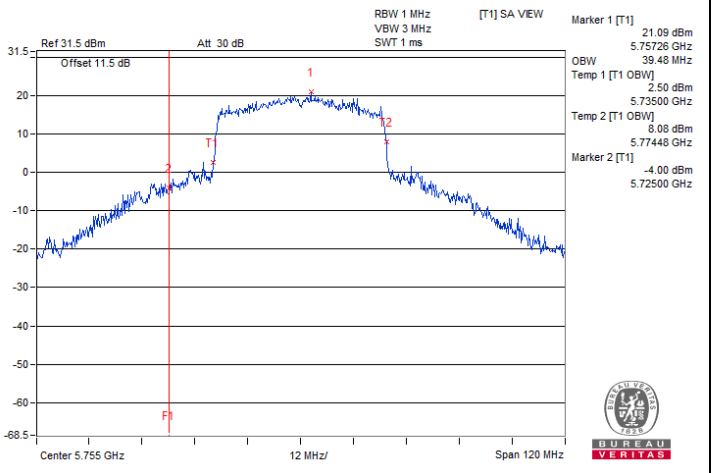
(DFS is required, if 99% OCP straddle into U-NII-2C)



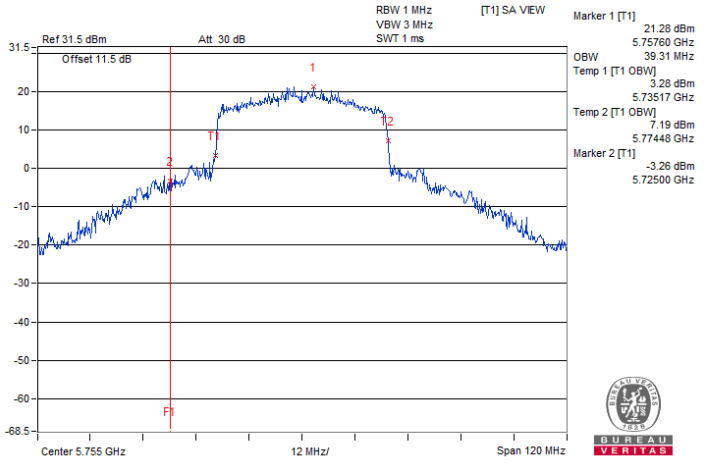
802.11ax (HE20) / Chain 2 : CH 149



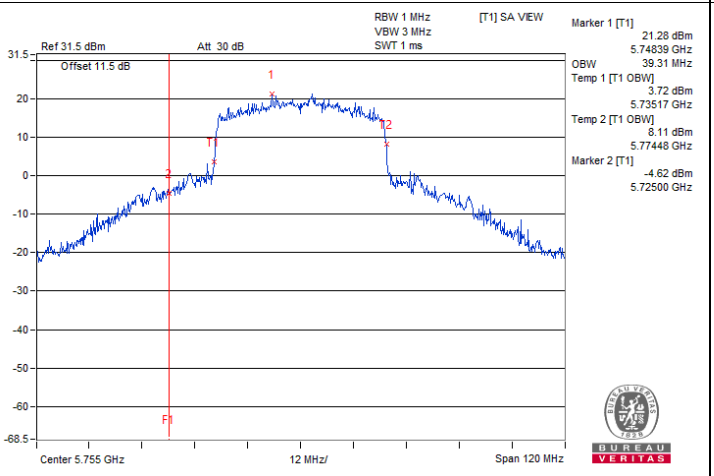
802.11ax (HE20) / Chain 3 : CH 149



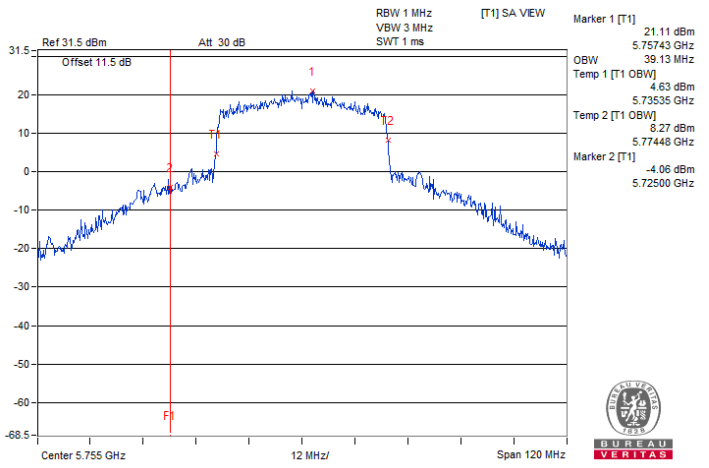
802.11ax (HE40) / Chain 0 : CH 151



802.11ax (HE40) / Chain 1 : CH 151



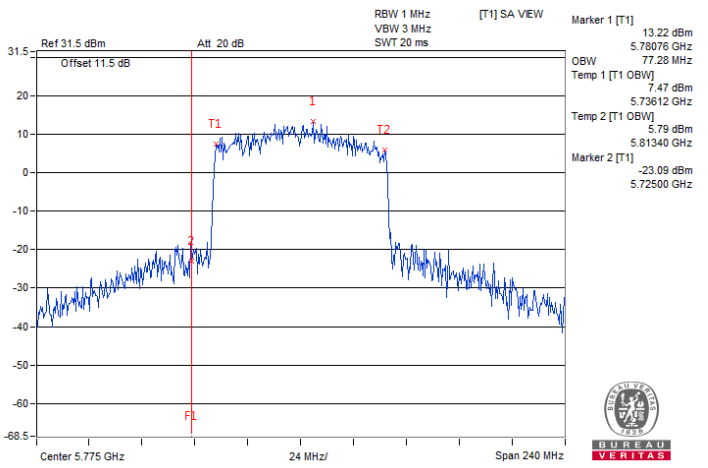
802.11ax (HE40) / Chain 2 : CH 151



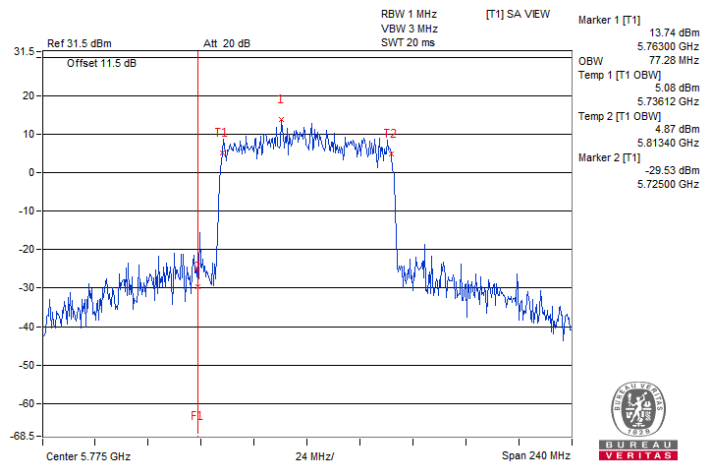
802.11ax (HE40) / Chain 3 : CH 151

Spectrum Plot for nearby DFS band

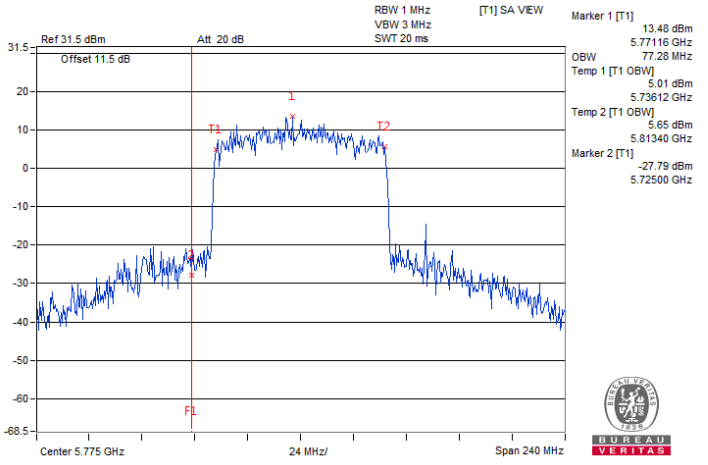
(DFS is required, if 99% OCP straddle into U-NII-2C)



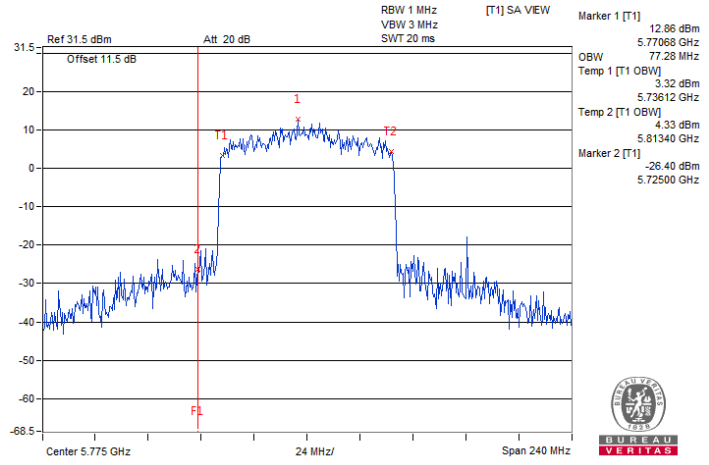
802.11ax (HE80) / Chain 0 : CH 155



802.11ax (HE80) / Chain 1 : CH 155



802.11ax (HE80) / Chain 2 : CH 155



802.11ax (HE80) / Chain 3 : CH 155

7.6 Frequency Stability

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

802.11a

Frequency Stability Versus Temperature									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	120	5180.0171	Pass	5180.0159	Pass	5180.018	Pass	5180.017	Pass
30	120	5180.0035	Pass	5179.9993	Pass	5180.0028	Pass	5180.0028	Pass
20	120	5179.994	Pass	5179.9967	Pass	5179.9938	Pass	5179.995	Pass
10	120	5180.0053	Pass	5180.007	Pass	5180.0056	Pass	5180.006	Pass
0	120	5180.0222	Pass	5180.022	Pass	5180.0214	Pass	5180.0232	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5180 MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	138	5179.9991	Pass	5180.0013	Pass	5179.9985	Pass	5179.9991	Pass
	120	5179.994	Pass	5179.9967	Pass	5179.9938	Pass	5179.995	Pass
	102	5179.9869	Pass	5179.9872	Pass	5179.9887	Pass	5179.9857	Pass

7.7 AC Power Conducted Emissions

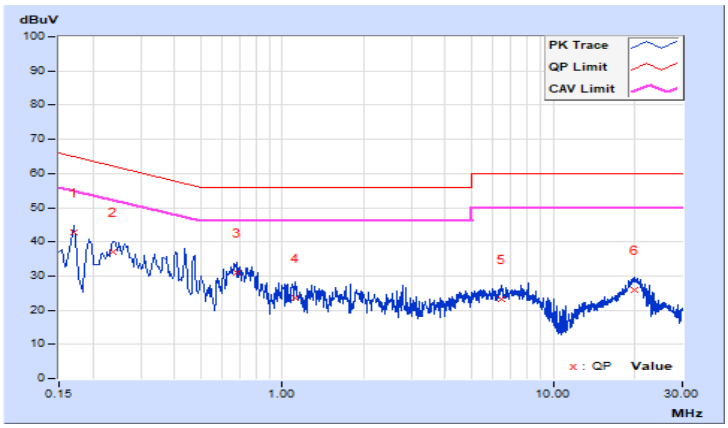
Mode A

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21.8°C, 68.1% RH
Tested By	Thomas Cheng		

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	0.17000	9.65	33.23	22.68	42.88	32.33	64.96	54.96	-22.08	-22.63
2	0.23723	9.67	27.34	19.41	37.01	29.08	62.19	52.19	-25.18	-23.11
3	0.67800	9.70	21.38	15.43	31.08	25.13	56.00	46.00	-24.92	-20.87
4	1.11800	9.71	13.95	7.84	23.66	17.55	56.00	46.00	-32.34	-28.45
5	6.43800	9.79	13.57	6.66	23.36	16.45	60.00	50.00	-36.64	-33.55
6	20.03000	9.88	16.04	10.32	25.92	20.20	60.00	50.00	-34.08	-29.80

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

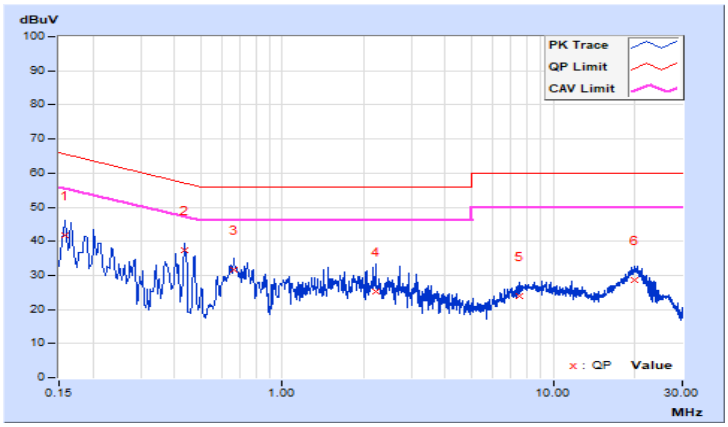


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21.8°C, 68.1% RH
Tested By	Thomas Cheng		

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	0.15800	9.64	32.21	14.98	41.85	24.62	65.57	55.57	-23.72	-30.95
2	**0.43800**	**9.69**	**27.60**	**25.89**	**37.29**	**35.58**	**57.10**	**47.10**	**-19.81**	**-11.52**
3	0.66200	9.70	21.80	14.95	31.50	24.65	56.00	46.00	-24.50	-21.35
4	2.22600	9.74	15.44	10.76	25.18	20.50	56.00	46.00	-30.82	-25.50
5	7.49400	9.80	14.04	5.94	23.84	15.74	60.00	50.00	-36.16	-34.26
6	20.09800	9.91	18.82	13.62	28.73	23.53	60.00	50.00	-31.27	-26.47

Remarks:

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



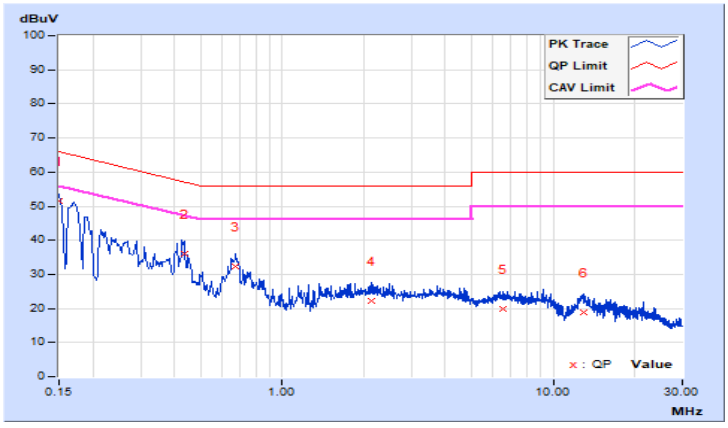
Mode B

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21.8°C, 68.1% RH
Tested By	Thomas Cheng		

Phase Of Power : Line (L)										
No	**Frequency (MHz)**	**Correction Factor (dB)**	**Reading Value (dBuV)**		**Emission Level (dBuV)**		**Limit (dBuV)**		**Margin (dB)**	
			Q.P.	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**	**Q.P.**	**AV.**
1	0.15000	9.64	42.00	22.14	51.64	31.78	66.00	56.00	-14.36	-24.22
2	0.43371	9.69	26.49	20.64	36.18	30.33	57.18	47.18	-21.00	-16.85
3	0.67000	9.70	22.73	15.67	32.43	25.37	56.00	46.00	-23.57	-20.63
4	2.12600	9.73	12.64	7.21	22.37	16.94	56.00	46.00	-33.63	-29.06
5	6.49000	9.79	10.04	4.76	19.83	14.55	60.00	50.00	-40.17	-35.45
6	12.99000	9.85	8.84	3.85	18.69	13.70	60.00	50.00	-41.31	-36.30

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

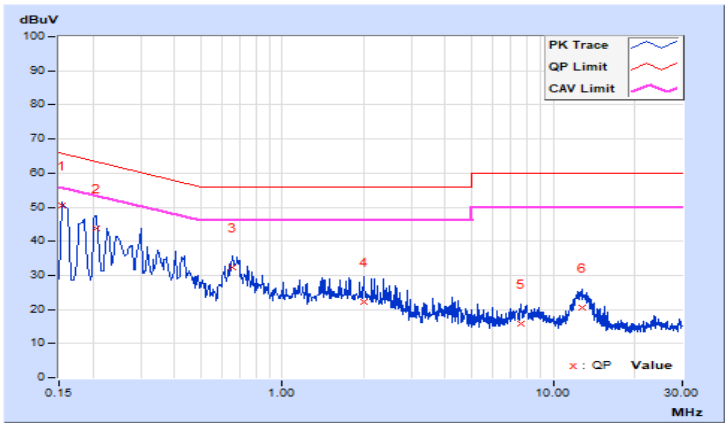


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21.8°C, 68.1% RH
Tested By	Thomas Cheng		

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	0.15400	9.64	41.02	23.12	50.66	32.76	65.78	55.78	-15.12	-23.02
2	0.20523	9.66	34.13	14.70	43.79	24.36	63.40	53.40	-19.61	-29.04
3	0.65800	9.70	22.76	17.23	32.46	26.93	56.00	46.00	-23.54	-19.07
4	1.99387	9.74	12.39	7.77	22.13	17.51	56.00	46.00	-33.87	-28.49
5	7.57400	9.81	6.03	2.10	15.84	11.91	60.00	50.00	-44.16	-38.09
6	12.78200	9.86	10.82	5.71	20.68	15.57	60.00	50.00	-39.32	-34.43

Remarks:

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



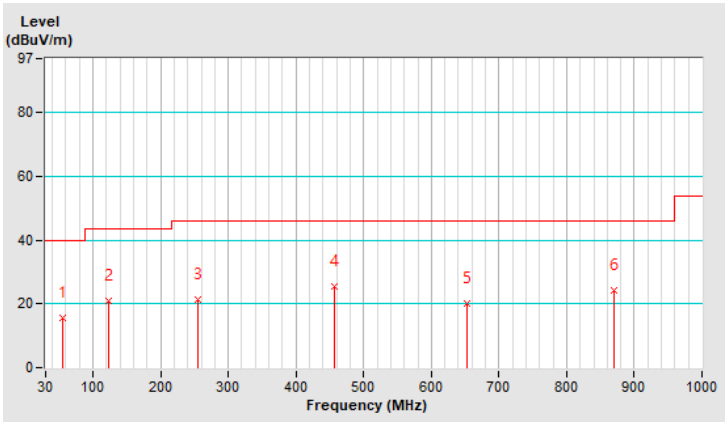
7.8 Unwanted Emissions below 1 GHz

RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120Vac,60Hz	**Environmental Conditions**	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	54.38	15.8 QP	40.0	-24.2	2.25 H	142	33.8	-18.0
2	123.36	20.8 QP	43.5	-22.7	1.18 H	64	40.4	-19.6
3	254.72	21.4 QP	46.0	-24.6	1.09 H	227	40.4	-19.0
4	456.12	25.6 QP	46.0	-20.4	3.10 H	187	38.8	-13.2
5	652.37	20.1 QP	46.0	-25.9	1.31 H	289	30.0	-9.9
6	869.20	24.1 QP	46.0	-21.9	1.55 H	7	30.6	-6.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The 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.

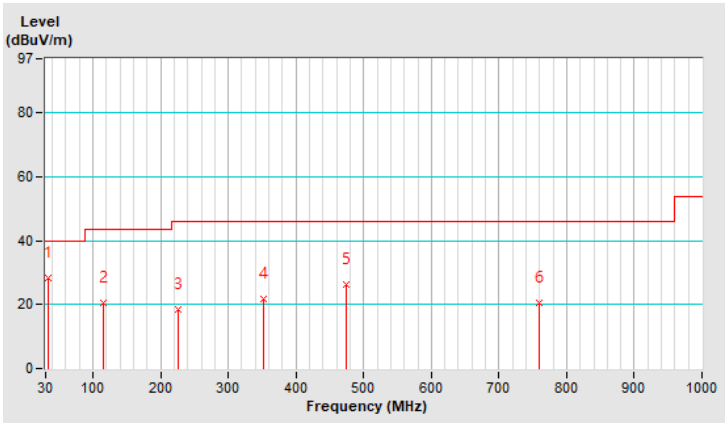


RF Mode	802.11a	**Channel**	CH 149：5745 MHz
Frequency Range	9 kHz ~ 1 GHz	**Detector Function & Bandwidth**	(QP) RB = 120kHz
Input Power	120Vac,60Hz	**Environmental Conditions**	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	**33.20**	**28.2 QP**	**40.0**	**-11.8**	**1.05 V**	**88**	**47.3**	**-19.1**
2	116.12	20.7 QP	43.5	-22.8	2.11 V	117	41.0	-20.3
3	226.49	18.4 QP	46.0	-27.6	2.06 V	27	39.0	-20.6
4	352.36	21.8 QP	46.0	-24.2	1.04 V	79	37.8	-16.0
5	473.52	26.4 QP	46.0	-19.6	2.48 V	161	39.4	-13.0
6	759.36	20.6 QP	46.0	-25.4	1.08 V	186	28.6	-8.0

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

CDD Mode

RF Mode	802.11a	**Channel**	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	**Environmental Conditions**	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	63.0 PK	74.0	-11.0	1.25 H	181	50.9	12.1
2	5150.00	52.8 AV	54.0	-1.2	1.25 H	181	40.7	12.1
3	*5180.00	118.0 PK			1.24 H	182	75.2	42.8
4	*5180.00	110.3 AV			1.24 H	182	67.5	42.8
5	#10360.00	57.4 PK	68.2	-10.8	1.15 H	141	39.7	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	5150.00	60.0 PK	74.0	-14.0	2.12 V	177	47.9	12.1
2	5150.00	52.5 AV	54.0	-1.5	2.12 V	177	40.4	12.1
3	*5180.00	114.5 PK			2.12 V	177	71.7	42.8
4	*5180.00	106.6 AV			2.12 V	177	63.8	42.8
5	#10360.00	57.3 PK	68.2	-10.9	1.75 V	266	39.6	17.7

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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.4 PK	74.0	-12.6	1.25 H	181	49.3	12.1
2	5150.00	52.3 AV	54.0	-1.7	1.25 H	181	40.2	12.1
3	*5200.00	121.0 PK			1.24 H	182	78.2	42.8
4	*5200.00	113.6 AV			1.24 H	182	70.8	42.8
5	#10400.00	57.2 PK	68.2	-11.0	1.14 H	175	39.7	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.1 PK	74.0	-14.9	2.12 V	177	47.0	12.1
2	5150.00	49.2 AV	54.0	-4.8	2.12 V	177	37.1	12.1
3	*5200.00	118.2 PK			2.12 V	177	75.4	42.8
4	*5200.00	110.7 AV			2.12 V	177	67.9	42.8
5	#10400.00	57.0 PK	68.2	-11.2	1.75 V	6	39.5	17.5

Remarks:

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

RF Mode	802.11a	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.25 H	183	49.0	12.1
2	5150.00	52.5 AV	54.0	-1.5	1.25 H	183	40.4	12.1
3	*5240.00	123.2 PK			1.24 H	182	80.2	43.0
4	*5240.00	115.6 AV			1.24 H	182	72.6	43.0
5	5350.00	59.1 PK	74.0	-14.9	1.24 H	182	46.8	12.3
6	5350.00	49.2 AV	54.0	-4.8	1.24 H	182	36.9	12.3
7	#10480.00	57.3 PK	68.2	-10.9	1.05 H	240	39.6	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.2 PK	74.0	-14.8	2.12 V	177	47.1	12.1
2	5150.00	50.1 AV	54.0	-3.9	2.12 V	177	38.0	12.1
3	*5240.00	121.1 PK			2.12 V	177	78.1	43.0
4	*5240.00	113.6 AV			2.12 V	177	70.6	43.0
5	5350.00	58.9 PK	74.0	-15.1	2.12 V	177	46.6	12.3
6	5350.00	49.0 AV	54.0	-5.0	2.12 V	177	36.7	12.3
7	#10480.00	57.2 PK	68.2	-11.0	1.85 V	333	39.5	17.7

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 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.2 PK	74.0	-13.8	1.06 H	254	48.1	12.1
2	5150.00	52.8 AV	54.0	-1.2	1.06 H	254	40.7	12.1
3	*5260.00	126.5 PK			1.06 H	224	83.6	42.9
4	*5260.00	119.6 AV			1.06 H	224	76.7	42.9
5	5350.00	58.7 PK	74.0	-15.3	1.12 H	204	46.4	12.3
6	5350.00	51.3 AV	54.0	-2.7	1.12 H	204	39.0	12.3
7	#10520.00	55.7 PK	68.2	-12.5	1.74 H	26	37.9	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.1 PK	74.0	-16.9	2.54 V	203	45.0	12.1
2	5150.00	48.7 AV	54.0	-5.3	2.54 V	203	36.6	12.1
3	*5260.00	124.3 PK			2.56 V	182	81.4	42.9
4	*5260.00	117.7 AV			2.56 V	182	74.8	42.9
5	5350.00	57.0 PK	74.0	-17.0	2.37 V	184	44.7	12.3
6	5350.00	48.7 AV	54.0	-5.3	2.37 V	184	36.4	12.3
7	#10520.00	56.2 PK	68.2	-12.0	1.95 V	176	38.4	17.8

Remarks:

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

RF Mode	802.11a	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.3 PK	74.0	-16.7	1.72 H	236	45.2	12.1
2	5150.00	49.1 AV	54.0	-4.9	1.72 H	236	37.0	12.1
3	*5300.00	123.3 PK			1.06 H	224	80.3	43.0
4	*5300.00	116.4 AV			1.06 H	224	73.4	43.0
5	5350.00	62.2 PK	74.0	-11.8	2.00 H	187	49.9	12.3
6	5350.00	50.4 AV	54.0	-3.6	2.00 H	187	38.1	12.3
7	10600.00	56.9 PK	74.0	-17.1	2.41 H	149	39.2	17.7
8	10600.00	47.3 AV	54.0	-6.7	2.41 H	149	29.6	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.98 V	201	44.6	12.1
2	5150.00	48.1 AV	54.0	-5.9	1.98 V	201	36.0	12.1
3	*5300.00	121.1 PK			2.56 V	171	78.1	43.0
4	*5300.00	114.0 AV			2.56 V	171	71.0	43.0
5	5350.00	57.5 PK	74.0	-16.5	2.64 V	158	45.2	12.3
6	5350.00	48.7 AV	54.0	-5.3	2.64 V	158	36.4	12.3
7	10600.00	56.4 PK	74.0	-17.6	1.32 V	49	38.7	17.7
8	10600.00	46.8 AV	54.0	-7.2	1.32 V	49	29.1	17.7

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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.0 PK			1.08 H	259	71.0	43.0
2	*5320.00	107.1 AV			1.08 H	259	64.1	43.0
3	5350.00	64.9 PK	74.0	-9.1	1.14 H	244	52.6	12.3
4	5350.00	52.8 AV	54.0	-1.2	1.14 H	244	40.5	12.3
5	10640.00	56.0 PK	74.0	-18.0	2.74 H	101	38.2	17.8
6	10640.00	46.2 AV	54.0	-7.8	2.74 H	101	28.4	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.2 PK			2.52 V	15	69.2	43.0
2	*5320.00	105.6 AV			2.52 V	15	62.6	43.0
3	5350.00	57.7 PK	74.0	-16.3	2.31 V	29	45.4	12.3
4	5350.00	48.1 AV	54.0	-5.9	2.31 V	29	35.8	12.3
5	10640.00	56.3 PK	74.0	-17.7	1.52 V	174	38.5	17.8
6	10640.00	46.7 AV	54.0	-7.3	1.52 V	174	28.9	17.8

Remarks:

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

RF Mode	802.11a	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	1.04 H	114	44.5	12.7
2	5460.00	50.8 AV	54.0	-3.2	1.04 H	114	38.1	12.7
3	#5470.00	64.5 PK	68.2	-3.7	1.04 H	115	51.8	12.7
4	*5500.00	117.2 PK			1.08 H	114	74.0	43.2
5	*5500.00	109.4 AV			1.08 H	114	66.2	43.2
6	11000.00	57.3 PK	74.0	-16.7	1.05 H	9	39.2	18.1
7	11000.00	48.2 AV	54.0	-5.8	1.05 H	9	30.1	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.1 PK	74.0	-10.9	1.00 V	185	50.4	12.7
2	5460.00	51.0 AV	54.0	-3.0	1.00 V	185	38.3	12.7
3	#5470.00	65.4 PK	68.2	-2.8	1.00 V	185	52.7	12.7
4	*5500.00	113.5 PK			1.00 V	185	70.3	43.2
5	*5500.00	105.5 AV			1.00 V	185	62.3	43.2
6	11000.00	56.6 PK	74.0	-17.4	1.97 V	7	38.5	18.1
7	11000.00	47.8 AV	54.0	-6.2	1.97 V	7	29.7	18.1

Remarks:

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

RF Mode	802.11a	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	125.1 PK			1.08 H	114	81.7	43.4
2	*5580.00	117.7 AV			1.08 H	114	74.3	43.4
3	11160.00	57.7 PK	74.0	-16.3	1.85 H	5	39.6	18.1
4	11160.00	48.1 AV	54.0	-5.9	1.85 H	5	30.0	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	123.2 PK			1.00 V	185	79.8	43.4
2	*5580.00	115.5 AV			1.00 V	185	72.1	43.4
3	11160.00	56.7 PK	74.0	-17.3	1.63 V	333	38.6	18.1
4	11160.00	48.0 AV	54.0	-6.0	1.63 V	333	29.9	18.1

Remarks:

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

RF Mode	802.11a	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.8 PK			1.08 H	114	71.4	43.4
2	*5700.00	106.6 AV			1.08 H	114	63.2	43.4
3	#5725.00	66.6 PK	68.2	-1.6	1.08 H	114	53.8	12.8
4	11400.00	57.4 PK	74.0	-16.6	1.64 H	7	38.8	18.6
5	11400.00	48.0 AV	54.0	-6.0	1.64 H	7	29.4	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	112.2 PK			1.00 V	185	68.8	43.4
2	*5700.00	104.5 AV			1.00 V	185	61.1	43.4
3	#5725.00	63.4 PK	68.2	-4.8	1.00 V	185	50.6	12.8
4	11400.00	57.4 PK	74.0	-16.6	1.85 V	55	38.8	18.6
5	11400.00	47.8 AV	54.0	-6.2	1.85 V	55	29.2	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 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	1.08 H	114	46.4	12.7
2	5460.00	48.7 AV	54.0	-5.3	1.08 H	114	36.0	12.7
3	#5470.00	59.3 PK	68.2	-8.9	1.08 H	114	46.6	12.7
4	*5720.00	125.1 PK			1.08 H	114	81.5	43.6
5	*5720.00	117.6 AV			1.08 H	114	74.0	43.6
6	11440.00	57.1 PK	74.0	-16.9	1.65 H	8	38.5	18.6
7	11440.00	47.6 AV	54.0	-6.4	1.65 H	8	29.0	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	1.00 V	185	46.1	12.7
2	5460.00	48.0 AV	54.0	-6.0	1.00 V	185	35.3	12.7
3	#5470.00	59.0 PK	68.2	-9.2	1.00 V	185	46.3	12.7
4	*5720.00	122.1 PK			1.00 V	185	78.5	43.6
5	*5720.00	114.7 AV			1.00 V	185	101.9	12.8
6	11440.00	57.1 PK	74.0	-16.9	1.06 V	186	38.5	18.6
7	11440.00	47.5 AV	54.0	-6.5	1.06 V	186	28.9	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	802.11a	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.44	60.5 PK	68.2	-7.7	1.08 H	114	47.8	12.7
2	*5745.00	123.1 PK			1.08 H	114	79.4	43.7
3	*5745.00	115.6 AV			1.08 H	114	71.9	43.7
4	#5949.55	58.1 PK	68.2	-10.1	1.08 H	114	44.9	13.2
5	11490.00	57.6 PK	74.0	-16.4	1.95 H	5	38.8	18.8
6	11490.00	48.4 AV	54.0	-5.6	1.95 H	5	29.6	18.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5637.64	60.2 PK	68.2	-8.0	1.00 V	185	47.5	12.7
2	*5745.00	121.2 PK			1.00 V	185	77.5	43.7
3	*5745.00	113.6 AV			1.00 V	185	69.9	43.7
4	#5971.17	58.6 PK	68.2	-9.6	1.00 V	185	45.3	13.3
5	11490.00	57.5 PK	74.0	-16.5	1.08 V	188	38.7	18.8
6	11490.00	48.2 AV	54.0	-5.8	1.08 V	188	29.4	18.8

Remarks:

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

RF Mode	802.11a	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5645.25	59.3 PK	68.2	-8.9	1.08 H	114	46.5	12.8
2	*5785.00	124.3 PK			1.08 H	114	80.5	43.8
3	*5785.00	116.8 AV			1.08 H	114	73.0	43.8
4	#5977.58	57.8 PK	68.2	-10.4	1.08 H	114	44.5	13.3
5	11570.00	57.3 PK	74.0	-16.7	1.96 H	199	38.7	18.6
6	11570.00	48.1 AV	54.0	-5.9	1.96 H	199	29.5	18.6
Antenna Polarity & Test Distance : Vertical at								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.61	59.9 PK	68.2	-8.3	1.00 V	185	47.2	12.7
2	*5785.00	122.1 PK			1.00 V	185	78.3	43.8
3	*5785.00	114.6 AV			1.00 V	185	70.8	43.8
4	#5931.13	57.9 PK	68.2	-10.3	1.00 V	185	44.7	13.2
5	11570.00	57.6 PK	74.0	-16.4	1.05 V	113	39.0	18.6
6	11570.00	48.0 AV	54.0	-6.0	1.05 V	113	29.4	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 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.82	58.7 PK	68.2	-9.5	1.08 H	114	46.0	12.7
2	*5825.00	122.5 PK			1.08 H	114	78.6	43.9
3	*5825.00	114.7 AV			1.08 H	114	70.8	43.9
4	#5972.37	58.2 PK	68.2	-10.0	1.08 H	114	44.9	13.3
5	11650.00	57.8 PK	74.0	-16.2	1.95 H	137	38.9	18.9
6	11650.00	48.4 AV	54.0	-5.6	1.95 H	137	29.5	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.05	58.9 PK	68.2	-9.3	1.00 V	185	46.1	12.8
2	*5825.00	120.3 PK			1.00 V	185	76.4	43.9
3	*5825.00	112.4 AV			1.00 V	185	68.5	43.9
4	#5943.14	58.5 PK	68.2	-9.7	1.00 V	185	45.3	13.2
5	11650.00	58.1 PK	74.0	-15.9	1.00 V	117	39.2	18.9
6	11650.00	48.3 AV	54.0	-5.7	1.00 V	117	29.4	18.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.1 PK	74.0	-9.9	1.08 H	172	52.0	12.1
2	5150.00	52.7 AV	54.0	-1.3	1.08 H	172	40.6	12.1
3	*5180.00	121.3 PK			1.00 H	185	78.5	42.8
4	*5180.00	111.1 AV			1.00 H	185	68.3	42.8
5	#10360.00	55.2 PK	68.2	-13.0	2.60 H	28	37.5	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.2 PK	74.0	-9.8	2.09 V	192	52.1	12.1
2	5150.00	50.9 AV	54.0	-3.1	2.09 V	192	38.8	12.1
3	*5180.00	118.3 PK			2.12 V	192	75.5	42.8
4	*5180.00	107.9 AV			2.12 V	192	65.1	42.8
5	#10360.00	55.8 PK	68.2	-12.4	1.26 V	105	38.1	17.7

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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.1 PK	74.0	-10.9	1.25 H	183	51.0	12.1
2	5150.00	52.6 AV	54.0	-1.4	1.25 H	183	40.5	12.1
3	*5200.00	123.3 PK			1.24 H	182	80.5	42.8
4	*5200.00	115.5 AV			1.24 H	182	72.7	42.8
5	5350.00	58.8 PK	74.0	-15.2	1.24 H	182	46.5	12.3
6	5350.00	49.0 AV	54.0	-5.0	1.24 H	182	36.7	12.3
7	#10400.00	57.4 PK	68.2	-10.8	1.78 H	252	39.9	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.4 PK	74.0	-14.6	2.12 V	177	47.3	12.1
2	5150.00	50.2 AV	54.0	-3.8	2.12 V	177	38.1	12.1
3	*5200.00	120.1 PK			2.12 V	177	77.3	42.8
4	*5200.00	112.6 AV			2.12 V	177	69.8	42.8
5	5350.00	58.8 PK	74.0	-15.2	2.12 V	177	46.5	12.3
6	5350.00	48.9 AV	54.0	-5.1	2.12 V	177	36.6	12.3
7	#10360.00	57.1 PK	68.2	-11.1	1.95 V	328	39.4	17.7

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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.24 H	183	48.2	12.1
2	5150.00	52.0 AV	54.0	-2.0	1.24 H	183	39.9	12.1
3	*5240.00	125.6 PK			1.24 H	182	82.6	43.0
4	*5240.00	117.8 AV			1.24 H	182	74.8	43.0
5	5350.00	58.6 PK	74.0	-15.4	1.24 H	182	46.3	12.3
6	5350.00	49.1 AV	54.0	-4.9	1.24 H	182	36.8	12.3
7	#10480.00	57.2 PK	68.2	-11.0	1.12 H	111	39.5	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	2.12 V	177	46.8	12.1
2	5150.00	50.0 AV	54.0	-4.0	2.12 V	177	37.9	12.1
3	*5240.00	122.2 PK			2.12 V	177	79.2	43.0
4	*5240.00	114.7 AV			2.12 V	177	71.7	43.0
5	5350.00	58.7 PK	74.0	-15.3	2.12 V	177	46.4	12.3
6	5350.00	48.9 AV	54.0	-5.1	2.12 V	177	36.6	12.3
7	#10480.00	57.0 PK	68.2	-11.2	1.05 V	169	39.3	17.7

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 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.5 PK	74.0	-12.5	1.06 H	254	49.4	12.1
2	5150.00	52.4 AV	54.0	-1.6	1.06 H	254	40.3	12.1
3	*5260.00	129.1 PK			1.06 H	224	86.2	42.9
4	*5260.00	119.1 AV			1.06 H	224	76.2	42.9
5	5350.00	60.2 PK	74.0	-13.8	1.21 H	208	47.9	12.3
6	5350.00	51.8 AV	54.0	-2.2	1.21 H	208	39.5	12.3
7	#10520.00	55.4 PK	68.2	-12.8	1.85 H	131	37.6	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.0 PK	74.0	-17.0	2.55 V	174	44.9	12.1
2	5150.00	49.2 AV	54.0	-4.8	2.55 V	174	37.1	12.1
3	*5260.00	125.2 PK			2.56 V	182	82.3	42.9
4	*5260.00	116.6 AV			2.56 V	182	73.7	42.9
5	5350.00	57.1 PK	74.0	-16.9	2.39 V	204	44.8	12.3
6	5350.00	48.6 AV	54.0	-5.4	2.39 V	204	36.3	12.3
7	#10520.00	56.2 PK	68.2	-12.0	2.11 V	52	38.4	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.9 PK	74.0	-15.1	1.25 H	196	46.8	12.1
2	5150.00	50.6 AV	54.0	-3.4	1.25 H	196	38.5	12.1
3	*5300.00	125.0 PK			1.06 H	224	82.0	43.0
4	*5300.00	115.9 AV			1.06 H	224	72.9	43.0
5	5350.00	60.5 PK	74.0	-13.5	1.18 H	224	48.2	12.3
6	5350.00	51.3 AV	54.0	-2.7	1.18 H	224	39.0	12.3
7	10600.00	55.6 PK	74.0	-18.4	1.45 H	292	37.9	17.7
8	10600.00	46.0 AV	54.0	-8.0	1.45 H	292	28.3	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.8 PK	74.0	-19.2	2.35 V	124	42.7	12.1
2	5150.00	46.2 AV	54.0	-7.8	2.35 V	124	34.1	12.1
3	*5300.00	122.8 PK			2.56 V	168	79.8	43.0
4	*5300.00	113.6 AV			2.56 V	168	70.6	43.0
5	5350.00	55.9 PK	74.0	-18.1	2.56 V	104	43.6	12.3
6	5350.00	46.9 AV	54.0	-7.1	2.56 V	104	34.6	12.3
7	10600.00	55.1 PK	74.0	-18.9	2.11 V	145	37.4	17.7
8	10600.00	45.5 AV	54.0	-8.5	2.11 V	145	27.8	17.7

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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	117.4 PK			1.08 H	259	74.4	43.0
2	*5320.00	108.8 AV			1.08 H	259	65.8	43.0
3	5350.00	60.2 PK	74.0	-13.8	1.08 H	224	47.9	12.3
4	5350.00	52.2 AV	54.0	-1.8	1.08 H	224	39.9	12.3
5	10640.00	56.1 PK	74.0	-17.9	1.27 H	255	38.3	17.8
6	10640.00	46.5 AV	54.0	-7.5	1.27 H	255	28.7	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.4 PK	74.0	-20.6	1.96 V	204	41.3	12.1
2	5150.00	45.5 AV	54.0	-8.5	1.96 V	204	33.4	12.1
3	*5320.00	116.1 PK			2.52 V	177	73.1	43.0
4	*5320.00	107.0 AV			2.52 V	177	64.0	43.0
5	5350.00	56.3 PK	74.0	-17.7	2.33 V	201	44.0	12.3
6	5350.00	46.4 AV	54.0	-7.6	2.33 V	201	34.1	12.3
7	10640.00	55.5 PK	74.0	-18.5	1.12 V	173	37.7	17.8
8	10640.00	45.8 AV	54.0	-8.2	1.12 V	173	28.0	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	1.05 H	198	44.5	12.7
2	5460.00	49.0 AV	54.0	-5.0	1.05 H	198	36.3	12.7
3	#5470.00	66.9 PK	68.2	-1.3	1.05 H	204	54.2	12.7
4	*5500.00	116.2 PK			1.05 H	109	73.0	43.2
5	*5500.00	108.2 AV			1.05 H	109	65.0	43.2
6	11000.00	55.7 PK	74.0	-18.3	1.43 H	185	37.6	18.1
7	11000.00	46.2 AV	54.0	-7.8	1.43 H	185	28.1	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.0 PK	74.0	-18.0	1.02 V	177	43.3	12.7
2	5460.00	47.8 AV	54.0	-6.2	1.02 V	177	35.1	12.7
3	#5470.00	62.8 PK	68.2	-5.4	1.12 V	196	50.1	12.7
4	*5500.00	112.4 PK			1.00 V	194	69.2	43.2
5	*5500.00	105.7 AV			1.00 V	194	62.5	43.2
6	11000.00	56.3 PK	74.0	-17.7	2.35 V	104	38.2	18.1
7	11000.00	46.6 AV	54.0	-7.4	2.35 V	104	28.5	18.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	126.3 PK			1.12 H	127	82.9	43.4
2	*5580.00	117.9 AV			1.12 H	127	74.5	43.4
3	11160.00	57.4 PK	74.0	-16.6	1.53 H	228	39.3	18.1
4	11160.00	47.9 AV	54.0	-6.1	1.53 H	228	29.8	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	124.0 PK			1.00 V	185	80.6	43.4
2	*5580.00	115.6 AV			1.00 V	185	72.2	43.4
3	11160.00	56.8 PK	74.0	-17.2	1.29 V	108	38.7	18.1
4	11160.00	47.2 AV	54.0	-6.8	1.29 V	108	29.1	18.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	113.8 PK			1.12 H	114	70.4	43.4
2	*5700.00	105.4 AV			1.12 H	114	62.0	43.4
3	#5725.00	67.1 PK	68.2	-1.1	1.12 H	114	54.3	12.8
4	11400.00	57.5 PK	74.0	-16.5	2.11 H	127	38.9	18.6
5	11400.00	48.0 AV	54.0	-6.0	2.11 H	127	29.4	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.6 PK			1.00 V	194	68.2	43.4
2	*5700.00	103.4 AV			1.00 V	194	60.0	43.4
3	#5725.00	64.9 PK	68.2	-3.3	1.00 V	178	52.1	12.8
4	11400.00	57.2 PK	74.0	-16.8	2.25 V	314	38.6	18.6
5	11400.00	47.6 AV	54.0	-6.4	2.25 V	314	29.0	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 (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.08 H	114	45.4	12.7
2	5460.00	48.2 AV	54.0	-5.8	1.08 H	114	35.5	12.7
3	#5470.00	58.7 PK	68.2	-9.5	1.08 H	114	46.0	12.7
4	*5720.00	123.4 PK			1.08 H	114	79.8	43.6
5	*5720.00	115.5 AV			1.08 H	114	71.9	43.6
6	11440.00	57.6 PK	74.0	-16.4	1.88 H	285	39.0	18.6
7	11440.00	48.2 AV	54.0	-5.8	1.88 H	285	29.6	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.4 PK	74.0	-15.6	1.00 V	186	45.7	12.7
2	5460.00	48.4 AV	54.0	-5.6	1.00 V	186	35.7	12.7
3	#5470.00	58.8 PK	68.2	-9.4	1.00 V	186	46.1	12.7
4	*5720.00	121.2 PK			1.00 V	186	77.6	43.6
5	*5720.00	113.6 AV			1.00 V	186	70.0	43.6
6	11440.00	57.3 PK	74.0	-16.7	1.69 V	99	38.7	18.6
7	11440.00	47.6 AV	54.0	-6.4	1.69 V	99	29.0	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 (HE20)	Channel	CH 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5641.64	59.6 PK	68.2	-8.6	1.08 H	114	46.9	12.7
2	*5745.00	122.1 PK			1.08 H	114	78.4	43.7
3	*5745.00	114.4 AV			1.08 H	114	70.7	43.7
4	#5935.14	57.6 PK	68.2	-10.6	1.08 H	114	44.4	13.2
5	11490.00	57.8 PK	74.0	-16.2	1.65 H	136	39.0	18.8
6	11490.00	47.9 AV	54.0	-6.1	1.65 H	136	29.1	18.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.24	59.4 PK	68.2	-8.8	1.00 V	185	46.7	12.7
2	*5745.00	121.0 PK			1.00 V	185	77.3	43.7
3	*5745.00	113.5 AV			1.00 V	185	69.8	43.7
4	#5951.15	58.2 PK	68.2	-10.0	1.00 V	185	45.0	13.2
5	11490.00	57.7 PK	74.0	-16.3	1.63 V	3	38.9	18.8
6	11490.00	47.9 AV	54.0	-6.1	1.63 V	3	29.1	18.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5639.64	59.6 PK	68.2	-8.6	1.08 H	114	46.9	12.7
2	*5785.00	121.3 PK			1.00 H	185	77.5	43.8
3	*5785.00	113.5 AV			1.00 H	185	69.7	43.8
4	#5947.55	58.1 PK	68.2	-10.1	1.08 H	114	44.9	13.2
5	11570.00	57.4 PK	74.0	-16.6	1.55 H	185	38.8	18.6
6	11570.00	47.9 AV	54.0	-6.1	1.55 H	185	29.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5605.21	59.3 PK	68.2	-8.9	1.00 V	185	46.6	12.7
2	*5785.00	120.0 PK			1.00 V	185	76.2	43.8
3	*5785.00	112.4 AV			1.00 V	185	68.6	43.8
4	#5998.80	58.8 PK	68.2	-9.4	1.00 V	185	45.5	13.3
5	11570.00	57.4 PK	74.0	-16.6	1.05 V	119	38.8	18.6
6	11570.00	47.6 AV	54.0	-6.4	1.05 V	119	29.0	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 (HE20)	Channel	CH 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5610.01	58.2 PK	68.2	-10.0	1.08 H	114	45.5	12.7
2	*5825.00	122.2 PK			1.08 H	114	78.3	43.9
3	*5825.00	114.5 AV			1.08 H	114	70.6	43.9
4	#5928.73	57.4 PK	68.2	-10.8	1.08 H	114	44.2	13.2
5	11650.00	58.2 PK	74.0	-15.8	1.75 H	355	39.3	18.9
6	11650.00	48.1 AV	54.0	-5.9	1.75 H	355	29.2	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5628.83	59.8 PK	68.2	-8.4	1.00 V	185	47.1	12.7
2	*5825.00	120.2 PK			1.00 V	185	76.3	43.9
3	*5825.00	112.7 AV			1.00 V	185	68.8	43.9
4	#5939.94	58.6 PK	68.2	-9.6	1.00 V	185	45.4	13.2
5	11650.00	57.4 PK	74.0	-16.6	1.18 V	189	38.5	18.9
6	11650.00	47.6 AV	54.0	-6.4	1.18 V	189	28.7	18.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.07 H	176	51.3	12.1
2	**5150.00**	**53.5 AV**	**54.0**	**-0.5**	**1.07 H**	**176**	**41.4**	**12.1**
3	*5190.00	115.7 PK			1.04 H	183	72.9	42.8
4	*5190.00	106.4 AV			1.04 H	183	63.6	42.8
5	5350.00	57.0 PK	74.0	-17.0	1.04 H	183	44.7	12.3
6	5350.00	46.4 AV	54.0	-7.6	1.04 H	183	34.1	12.3
7	#10380.00	55.7 PK	68.2	-12.5	2.27 H	149	38.1	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.3 PK	74.0	-10.7	2.08 V	188	51.2	12.1
2	5150.00	51.8 AV	54.0	-2.2	2.08 V	188	39.7	12.1
3	*5190.00	113.1 PK			2.08 V	192	70.3	42.8
4	*5190.00	103.3 AV			2.08 V	192	60.5	42.8
5	5350.00	56.6 PK	74.0	-17.4	2.08 V	192	44.3	12.3
6	5350.00	46.5 AV	54.0	-7.5	2.08 V	192	34.2	12.3
7	#10380.00	55.2 PK	68.2	-13.0	2.06 V	196	37.6	17.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.5 PK	74.0	-10.5	1.24 H	183	51.4	12.1
2	5150.00	52.4 AV	54.0	-1.6	1.24 H	183	40.3	12.1
3	*5230.00	119.2 PK			1.24 H	182	76.3	42.9
4	*5230.00	111.4 AV			1.24 H	182	68.5	42.9
5	5350.00	58.2 PK	74.0	-15.8	1.24 H	182	45.9	12.3
6	5350.00	47.6 AV	54.0	-6.4	1.24 H	182	35.3	12.3
7	#10460.00	56.8 PK	68.2	-11.4	1.85 H	64	39.1	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	2.12 V	177	48.3	12.1
2	5150.00	50.2 AV	54.0	-3.8	2.12 V	177	38.1	12.1
3	*5230.00	116.5 PK			2.12 V	177	73.6	42.9
4	*5230.00	108.7 AV			2.12 V	177	65.8	42.9
5	5350.00	59.1 PK	74.0	-14.9	2.12 V	177	46.8	12.3
6	5350.00	48.2 AV	54.0	-5.8	2.12 V	177	35.9	12.3
7	#10460.00	56.2 PK	68.2	-12.0	1.85 V	2	38.5	17.7

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 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.5 PK	74.0	-16.5	1.24 H	164	45.4	12.1
2	5150.00	49.6 AV	54.0	-4.4	1.24 H	164	37.5	12.1
3	*5270.00	122.9 PK			1.05 H	188	80.0	42.9
4	*5270.00	114.0 AV			1.05 H	188	71.1	42.9
5	5350.00	63.0 PK	74.0	-11.0	1.05 H	192	50.7	12.3
6	5350.00	52.6 AV	54.0	-1.4	1.05 H	192	40.3	12.3
7	#10540.00	55.7 PK	68.2	-12.5	1.78 H	222	37.9	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.4 PK	74.0	-17.6	2.41 V	184	44.3	12.1
2	5150.00	48.1 AV	54.0	-5.9	2.41 V	184	36.0	12.1
3	*5270.00	121.3 PK			2.28 V	173	78.4	42.9
4	*5270.00	111.7 AV			2.28 V	173	68.8	42.9
5	5350.00	58.1 PK	74.0	-15.9	2.42 V	159	45.8	12.3
6	5350.00	49.7 AV	54.0	-4.3	2.42 V	159	37.4	12.3
7	#10540.00	55.9 PK	68.2	-12.3	1.94 V	204	38.1	17.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.5 PK	74.0	-18.5	1.12 H	162	43.4	12.1
2	5150.00	48.6 AV	54.0	-5.4	1.12 H	162	36.5	12.1
3	*5310.00	115.9 PK			1.08 H	186	72.9	43.0
4	*5310.00	107.3 AV			1.08 H	186	64.3	43.0
5	5350.00	61.5 PK	74.0	-12.5	1.08 H	197	49.2	12.3
6	5350.00	52.7 AV	54.0	-1.3	1.08 H	197	40.4	12.3
7	10620.00	55.1 PK	74.0	-18.9	2.14 H	170	37.4	17.7
8	10620.00	45.5 AV	54.0	-8.5	2.14 H	170	27.8	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.8 PK	74.0	-19.2	2.38 V	201	42.7	12.1
2	5150.00	46.4 AV	54.0	-7.6	2.38 V	201	34.3	12.1
3	*5310.00	114.0 PK			2.52 V	177	71.0	43.0
4	*5310.00	105.1 AV			2.52 V	177	62.1	43.0
5	5350.00	57.1 PK	74.0	-16.9	2.41 V	192	44.8	12.3
6	5350.00	50.1 AV	54.0	-3.9	2.41 V	192	37.8	12.3
7	10620.00	55.9 PK	74.0	-18.1	1.47 V	22	38.2	17.7
8	10620.00	46.3 AV	54.0	-7.7	1.47 V	22	28.6	17.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.9 PK	74.0	-10.1	1.09 H	123	51.2	12.7
2	5460.00	51.2 AV	54.0	-2.8	1.09 H	123	38.5	12.7
3	#5470.00	66.8 PK	68.2	-1.4	1.08 H	142	54.1	12.7
4	*5510.00	113.5 PK			1.05 H	115	70.1	43.4
5	*5510.00	105.8 AV			1.05 H	115	62.4	43.4
6	#5725.00	56.4 PK	68.2	-11.8	1.05 H	115	43.6	12.8
7	11020.00	56.6 PK	74.0	-17.4	2.53 H	179	38.5	18.1
8	11020.00	46.9 AV	54.0	-7.1	2.53 H	179	28.8	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.8 PK	74.0	-14.2	1.00 V	179	47.1	12.7
2	5460.00	49.3 AV	54.0	-4.7	1.00 V	179	36.6	12.7
3	#5470.00	65.3 PK	68.2	-2.9	1.00 V	169	52.6	12.7
4	*5510.00	112.7 PK			1.00 V	187	69.3	43.4
5	*5510.00	103.4 AV			1.00 V	187	60.0	43.4
6	#5725.00	56.3 PK	68.2	-11.9	1.00 V	187	43.5	12.8
7	11020.00	57.3 PK	74.0	-16.7	2.13 V	195	39.2	18.1
8	11020.00	47.7 AV	54.0	-6.3	2.13 V	195	29.6	18.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.8 PK	74.0	-10.2	1.21 H	115	51.1	12.7
2	5460.00	52.2 AV	54.0	-1.8	1.21 H	115	39.5	12.7
3	#5470.00	66.6 PK	68.2	-1.6	1.24 H	126	53.9	12.7
4	*5550.00	121.1 PK			1.14 H	115	77.7	43.4
5	*5550.00	112.0 AV			1.14 H	115	68.6	43.4
6	#5725.00	57.2 PK	68.2	-11.0	1.14 H	107	44.4	12.8
7	11100.00	58.1 PK	74.0	-15.9	2.35 H	194	39.5	18.6
8	11100.00	48.4 AV	54.0	-5.6	2.35 H	194	29.8	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.2 PK	74.0	-11.8	1.36 V	184	49.5	12.7
2	5460.00	51.5 AV	54.0	-2.5	1.36 V	184	38.8	12.7
3	#5470.00	64.8 PK	68.2	-3.4	1.00 V	165	52.1	12.7
4	*5550.00	119.0 PK			1.00 V	190	75.6	43.4
5	*5550.00	109.8 AV			1.00 V	190	66.4	43.4
6	#5725.00	56.8 PK	68.2	-11.4	1.06 V	204	44.0	12.8
7	11100.00	57.4 PK	74.0	-16.6	1.25 V	347	38.8	18.6
8	11100.00	48.0 AV	54.0	-6.0	1.25 V	347	29.4	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	802.11ax (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.5 PK	74.0	-16.5	1.12 H	108	44.8	12.7
2	5460.00	49.1 AV	54.0	-4.9	1.12 H	108	36.4	12.7
3	#5470.00	57.6 PK	68.2	-10.6	1.34 H	110	44.9	12.7
4	*5670.00	115.1 PK			1.12 H	114	71.6	43.5
5	*5670.00	108.0 AV			1.12 H	114	64.5	43.5
6	#5725.00	66.3 PK	68.2	-1.9	1.04 H	156	53.5	12.8
7	11340.00	57.2 PK	74.0	-16.8	2.43 H	225	38.8	18.4
8	11340.00	47.7 AV	54.0	-6.3	2.43 H	225	29.3	18.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.3 PK	74.0	-17.7	1.12 V	194	43.6	12.7
2	5460.00	48.7 AV	54.0	-5.3	1.12 V	194	36.0	12.7
3	#5470.00	57.6 PK	68.2	-10.6	1.23 V	184	44.9	12.7
4	*5670.00	114.0 PK			1.00 V	185	70.5	43.5
5	*5670.00	106.3 AV			1.00 V	185	62.8	43.5
6	#5725.00	64.9 PK	68.2	-3.3	1.08 V	182	52.1	12.8
7	11340.00	56.8 PK	74.0	-17.2	1.60 V	332	38.4	18.4
8	11340.00	47.3 AV	54.0	-6.7	1.60 V	332	28.9	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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.1 PK	74.0	-14.9	1.08 H	114	46.4	12.7
2	5460.00	48.3 AV	54.0	-5.7	1.08 H	114	35.6	12.7
3	#5470.00	59.5 PK	68.2	-8.7	1.08 H	114	46.8	12.7
4	*5710.00	121.8 PK			1.08 H	114	78.4	43.4
5	*5710.00	113.4 AV			1.08 H	114	70.0	43.4
6	#5850.00	63.4 PK	68.2	-4.8	1.07 H	112	50.3	13.1
7	11420.00	57.6 PK	74.0	-16.4	1.95 H	6	39.0	18.6
8	11420.00	48.4 AV	54.0	-5.6	1.95 H	6	29.8	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.00 V	185	46.0	12.7
2	5460.00	50.0 AV	54.0	-4.0	1.00 V	185	37.3	12.7
3	#5470.00	59.2 PK	68.2	-9.0	1.00 V	185	46.5	12.7
4	*5710.00	119.2 PK			1.00 V	185	75.8	43.4
5	*5710.00	111.4 AV			1.00 V	185	68.0	43.4
6	#5850.00	62.3 PK	68.2	-5.9	1.00 V	185	49.2	13.1
7	11420.00	57.4 PK	74.0	-16.6	1.09 V	111	38.8	18.6
8	11420.00	47.8 AV	54.0	-6.2	1.09 V	111	29.2	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	802.11ax (HE40)	Channel	CH 151：5755 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.65	66.8 PK	68.2	-1.4	1.10 H	115	54.0	12.8
2	*5755.00	120.2 PK			1.08 H	114	76.5	43.7
3	*5755.00	112.6 AV			1.08 H	114	68.9	43.7
4	#5939.14	58.0 PK	68.2	-10.2	1.08 H	114	44.8	13.2
5	11510.00	58.2 PK	74.0	-15.8	1.96 H	99	39.5	18.7
6	11510.00	48.3 AV	54.0	-5.7	1.96 H	99	29.6	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.45	66.1 PK	68.2	-2.1	1.00 V	185	53.3	12.8
2	*5755.00	119.2 PK			1.00 V	185	75.5	43.7
3	*5755.00	111.4 AV			1.00 V	185	67.7	43.7
4	#5943.54	58.4 PK	68.2	-9.8	1.00 V	185	45.2	13.2
5	11510.00	58.0 PK	74.0	-16.0	1.95 V	8	39.3	18.7
6	11510.00	48.1 AV	54.0	-5.9	1.95 V	8	29.4	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.

RF Mode	802.11ax (HE40)	Channel	CH 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5649.25	61.2 PK	68.2	-7.0	1.08 H	114	48.4	12.8
2	*5795.00	121.1 PK			1.08 H	114	77.3	43.8
3	*5795.00	113.8 AV			1.08 H	114	70.0	43.8
4	#5929.93	63.6 PK	68.2	-4.6	1.08 H	114	50.4	13.2
5	11590.00	58.2 PK	74.0	-15.8	1.96 H	6	39.6	18.6
6	11590.00	48.3 AV	54.0	-5.7	1.96 H	6	29.7	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.64	60.7 PK	68.2	-7.5	1.00 V	185	48.0	12.7
2	*5795.00	119.2 PK			1.00 V	185	75.4	43.8
3	*5795.00	111.4 AV			1.00 V	185	67.6	43.8
4	#5933.53	65.1 PK	68.2	-3.1	1.00 V	185	51.9	13.2
5	11590.00	58.1 PK	74.0	-15.9	1.05 V	100	39.5	18.6
6	11590.00	48.2 AV	54.0	-5.8	1.05 V	100	29.6	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 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.3 PK	74.0	-12.7	1.21 H	186	49.2	12.1
2	5150.00	53.3 AV	54.0	-0.7	1.21 H	186	41.2	12.1
3	*5210.00	109.5 PK			1.04 H	193	66.6	42.9
4	*5210.00	100.4 AV			1.04 H	193	57.5	42.9
5	5350.00	55.1 PK	74.0	-18.9	1.04 H	193	42.8	12.3
6	5350.00	44.7 AV	54.0	-9.3	1.04 H	193	32.4	12.3
7	#10420.00	55.6 PK	68.2	-12.6	1.20 H	324	38.0	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	2.01 V	207	47.5	12.1
2	5150.00	50.9 AV	54.0	-3.1	2.01 V	207	38.8	12.1
3	*5210.00	107.1 PK			2.16 V	188	64.2	42.9
4	*5210.00	96.9 AV			2.16 V	188	54.0	42.9
5	5350.00	54.2 PK	74.0	-19.8	2.16 V	188	41.9	12.3
6	5350.00	44.1 AV	54.0	-9.9	2.16 V	188	31.8	12.3
7	#10420.00	55.1 PK	68.2	-13.1	2.08 V	16	37.5	17.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.1 PK	74.0	-15.9	1.04 H	246	46.0	12.1
2	5150.00	48.4 AV	54.0	-5.6	1.04 H	246	36.3	12.1
3	*5290.00	111.0 PK			1.04 H	246	68.0	43.0
4	*5290.00	102.0 AV			1.04 H	246	59.0	43.0
5	5350.00	62.1 PK	74.0	-11.9	1.12 H	254	49.8	12.3
6	**5350.00**	**53.5 AV**	**54.0**	**-0.5**	**1.12 H**	**254**	**41.2**	**12.3**
7	#10580.00	55.8 PK	68.2	-12.4	2.26 H	49	38.1	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.6 PK	74.0	-16.4	1.94 V	176	45.5	12.1
2	5150.00	47.5 AV	54.0	-6.5	1.94 V	176	35.4	12.1
3	*5290.00	108.8 PK			1.94 V	176	65.8	43.0
4	*5290.00	99.0 AV			1.94 V	176	56.0	43.0
5	5350.00	60.2 PK	74.0	-13.8	1.84 V	155	47.9	12.3
6	5350.00	51.2 AV	54.0	-2.8	1.84 V	155	38.9	12.3
7	#10580.00	55.9 PK	68.2	-12.3	1.66 V	172	38.2	17.7

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 = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	64.2 PK	74.0	-9.8	1.25 H	157	51.5	12.7
2	5460.00	52.9 AV	54.0	-1.1	1.25 H	157	40.2	12.7
3	#5470.00	65.9 PK	68.2	-2.3	1.34 H	156	53.2	12.7
4	*5530.00	111.2 PK			1.20 H	176	67.8	43.4
5	*5530.00	101.6 AV			1.20 H	176	58.2	43.4
6	#5725.00	56.0 PK	68.2	-12.2	1.20 H	176	43.2	12.8
7	11060.00	56.6 PK	74.0	-17.4	1.92 H	271	38.3	18.3
8	11060.00	47.0 AV	54.0	-7.0	1.92 H	271	28.7	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	2.08 V	178	48.7	12.7
2	5460.00	51.6 AV	54.0	-2.4	2.08 V	178	38.9	12.7
3	#5470.00	64.6 PK	68.2	-3.6	2.11 V	174	51.9	12.7
4	*5530.00	107.9 PK			2.24 V	191	64.5	43.4
5	*5530.00	98.3 AV			2.24 V	191	54.9	43.4
6	#5725.00	55.2 PK	68.2	-13.0	2.24 V	194	42.4	12.8
7	11060.00	56.1 PK	74.0	-17.9	3.24 V	108	37.8	18.3
8	11060.00	46.6 AV	54.0	-7.4	3.24 V	108	28.3	18.3

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	61.0 PK	74.0	-13.0	1.11 H	124	48.3	12.7
2	5460.00	52.2 AV	54.0	-1.8	1.11 H	124	39.5	12.7
3	#5470.00	62.4 PK	68.2	-5.8	1.04 H	162	49.7	12.7
4	*5610.00	115.9 PK			1.02 H	114	72.5	43.4
5	*5610.00	108.1 AV			1.02 H	114	64.7	43.4
6	#5725.00	66.3 PK	68.2	-1.9	1.31 H	152	53.5	12.8
7	11220.00	56.3 PK	74.0	-17.7	1.53 H	120	38.4	17.9
8	11220.00	46.8 AV	54.0	-7.2	1.53 H	120	28.9	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.2 PK	74.0	-14.8	1.06 V	192	46.5	12.7
2	5460.00	51.0 AV	54.0	-3.0	1.06 V	192	38.3	12.7
3	#5470.00	62.0 PK	68.2	-6.2	1.32 V	184	49.3	12.7
4	*5610.00	114.0 PK			1.00 V	188	70.6	43.4
5	*5610.00	105.7 AV			1.00 V	188	62.3	43.4
6	#5725.00	66.4 PK	68.2	-1.8	1.00 V	171	53.6	12.8
7	11220.00	56.5 PK	74.0	-17.5	2.41 V	152	38.6	17.9
8	11220.00	47.1 AV	54.0	-6.9	2.41 V	152	29.2	17.9

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.7 PK	74.0	-15.3	1.08 H	114	46.0	12.7
2	5460.00	48.6 AV	54.0	-5.4	1.08 H	114	35.9	12.7
3	#5470.00	59.2 PK	68.2	-9.0	1.08 H	114	46.5	12.7
4	*5690.00	116.2 PK			1.08 H	114	72.8	43.4
5	*5690.00	108.7 AV			1.08 H	114	65.3	43.4
6	#5850.00	67.0 PK	68.2	-1.2	1.10 H	115	53.9	13.1
7	11380.00	57.4 PK	74.0	-16.6	1.56 H	6	38.9	18.5
8	11380.00	47.9 AV	54.0	-6.1	1.56 H	6	29.4	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.1 PK	74.0	-15.9	1.00 V	185	45.4	12.7
2	5460.00	47.7 AV	54.0	-6.3	1.00 V	185	35.0	12.7
3	#5470.00	59.2 PK	68.2	-9.0	1.00 V	185	46.5	12.7
4	*5690.00	115.2 PK			1.00 V	185	71.8	43.4
5	*5690.00	107.7 AV			1.00 V	185	64.3	43.4
6	#5850.00	64.3 PK	68.2	-3.9	1.00 V	185	51.2	13.1
7	11380.00	57.4 PK	74.0	-16.6	1.95 V	55	38.9	18.5
8	11380.00	47.5 AV	54.0	-6.5	1.95 V	55	29.0	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 (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120Vac,60Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.65	67.2 PK	68.2	-1.0	1.10 H	120	54.4	12.8
2	*5775.00	113.8 PK			1.08 H	114	70.0	43.8
3	*5775.00	105.5 AV			1.08 H	114	61.7	43.8
4	#5930.33	61.2 PK	68.2	-7.0	1.08 H	114	48.0	13.2
5	11550.00	57.3 PK	74.0	-16.7	1.85 H	116	38.7	18.6
6	11550.00	47.5 AV	54.0	-6.5	1.85 H	116	28.9	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5648.05	66.5 PK	68.2	-1.7	1.00 V	185	53.7	12.8
2	*5775.00	112.2 PK			1.00 V	185	68.4	43.8
3	*5775.00	104.6 AV			1.00 V	185	60.8	43.8
4	#5929.13	61.3 PK	68.2	-6.9	1.00 V	185	48.1	13.2
5	11550.00	57.4 PK	74.0	-16.6	1.95 V	5	38.8	18.6
6	11550.00	47.4 AV	54.0	-6.6	1.95 V	5	28.8	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.

Beamforming Mode

RF Mode	802.11ax (HE20)	Channel	CH 36：5180 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.8 PK	74.0	-16.2	1.09 H	101	45.7	12.1
2	5150.00	48.6 AV	54.0	-5.4	1.09 H	101	36.5	12.1
3	*5180.00	115.3 PK			1.09 H	101	72.5	42.8
4	*5180.00	104.7 AV			1.09 H	101	61.9	42.8
5	#10360.00	55.8 PK	68.2	-12.4	2.25 H	149	38.1	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.72 V	208	47.9	12.1
2	5150.00	45.9 AV	54.0	-8.1	1.72 V	208	33.8	12.1
3	*5180.00	112.1 PK			1.72 V	208	69.3	42.8
4	*5180.00	101.3 AV			1.72 V	208	58.5	42.8
5	#10360.00	55.4 PK	68.2	-12.8	2.63 V	124	37.7	17.7

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 = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	1.06 H	101	48.3	12.1
2	5150.00	48.6 AV	54.0	-5.4	1.06 H	101	36.5	12.1
3	*5200.00	120.2 PK			1.06 H	101	77.4	42.8
4	*5200.00	109.6 AV			1.06 H	101	66.8	42.8
5	5350.00	55.7 PK	74.0	-18.3	1.06 H	101	43.4	12.3
6	5350.00	45.1 AV	54.0	-8.9	1.06 H	101	32.8	12.3
7	#10400.00	55.7 PK	68.2	-12.5	1.12 H	243	38.2	17.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.5 PK	74.0	-15.5	1.72 V	212	46.4	12.1
2	5150.00	47.6 AV	54.0	-6.4	1.72 V	212	35.5	12.1
3	*5200.00	116.2 PK			1.72 V	212	73.4	42.8
4	*5200.00	105.9 AV			1.72 V	212	63.1	42.8
5	5350.00	55.8 PK	74.0	-18.2	1.72 V	212	43.5	12.3
6	5350.00	45.9 AV	54.0	-8.1	1.72 V	212	33.6	12.3
7	#10400.00	55.3 PK	68.2	-12.9	1.81 V	49	37.8	17.5

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 48：5240 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	123.2 PK			1.06 H	101	80.2	43.0
2	*5240.00	113.1 AV			1.06 H	101	70.1	43.0
3	5350.00	55.8 PK	74.0	-18.2	1.06 H	101	43.5	12.3
4	5350.00	46.3 AV	54.0	-7.7	1.06 H	101	34.0	12.3
5	#10480.00	55.6 PK	68.2	-12.6	2.11 H	172	37.9	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	119.8 PK			1.67 V	212	76.8	43.0
2	*5240.00	109.8 AV			1.67 V	212	66.8	43.0
3	5350.00	54.3 PK	74.0	-19.7	1.67 V	212	42.0	12.3
4	5350.00	44.6 AV	54.0	-9.4	1.67 V	212	32.3	12.3
5	#10480.00	55.0 PK	68.2	-13.2	1.59 V	27	37.3	17.7

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 52：5260 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.4 PK	74.0	-17.6	1.06 H	101	44.3	12.1
2	5150.00	48.6 AV	54.0	-5.4	1.06 H	101	36.5	12.1
3	*5260.00	123.5 PK			1.06 H	101	80.6	42.9
4	*5260.00	113.0 AV			1.06 H	101	70.1	42.9
5	#10520.00	55.5 PK	68.2	-12.7	1.57 H	314	37.7	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.9 PK	74.0	-19.1	1.64 V	209	42.8	12.1
2	5150.00	45.4 AV	54.0	-8.6	1.64 V	209	33.3	12.1
3	*5260.00	119.4 PK			1.64 V	209	76.5	42.9
4	*5260.00	109.3 AV			1.64 V	209	66.4	42.9
5	#10520.00	55.9 PK	68.2	-12.3	1.32 V	27	38.1	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 60：5300 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	55.7 PK	74.0	-18.3	1.06 H	102	43.6	12.1
2	5150.00	45.6 AV	54.0	-8.4	1.06 H	102	33.5	12.1
3	*5300.00	119.4 PK			1.06 H	102	76.4	43.0
4	*5300.00	108.9 AV			1.06 H	102	65.9	43.0
5	5460.00	64.2 PK	74.0	-9.8	1.06 H	102	51.5	12.7
6	5460.00	49.4 AV	54.0	-4.6	1.06 H	102	36.7	12.7
7	10600.00	56.2 PK	74.0	-17.8	1.88 H	129	38.5	17.7
8	10600.00	48.6 AV	54.0	-5.4	1.88 H	129	30.9	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	54.8 PK	74.0	-19.2	1.57 V	220	42.7	12.1
2	5150.00	45.1 AV	54.0	-8.9	1.57 V	220	33.0	12.1
3	*5300.00	116.6 PK			1.57 V	220	73.6	43.0
4	*5300.00	105.8 AV			1.57 V	220	62.8	43.0
5	5350.00	60.3 PK	74.0	-13.7	1.57 V	220	48.0	12.3
6	5350.00	46.3 AV	54.0	-7.7	1.57 V	220	34.0	12.3
7	10600.00	55.3 PK	74.0	-18.7	2.01 V	188	37.6	17.7
8	10600.00	45.6 AV	54.0	-8.4	2.01 V	188	27.9	17.7

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 = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.9 PK			1.06 H	102	71.9	43.0
2	*5320.00	103.9 AV			1.06 H	102	60.9	43.0
3	5350.00	64.4 PK	74.0	-9.6	1.06 H	102	52.1	12.3
4	5350.00	48.3 AV	54.0	-5.7	1.06 H	102	36.0	12.3
5	10640.00	55.5 PK	74.0	-18.5	1.02 H	294	37.7	17.8
6	10640.00	45.9 AV	54.0	-8.1	1.02 H	294	28.1	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	112.1 PK			1.72 V	204	69.1	43.0
2	*5320.00	101.0 AV			1.72 V	204	58.0	43.0
3	5350.00	58.0 PK	74.0	-16.0	1.72 V	204	45.7	12.3
4	5350.00	46.3 AV	54.0	-7.7	1.72 V	204	34.0	12.3
5	10640.00	55.2 PK	74.0	-18.8	1.13 V	274	37.4	17.8
6	10640.00	45.4 AV	54.0	-8.6	1.13 V	274	27.6	17.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 100：5500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.4 PK	74.0	-16.6	1.26 H	189	44.7	12.7
2	5460.00	51.7 AV	54.0	-2.3	1.26 H	189	39.0	12.7
3	#5470.00	66.7 PK	68.2	-1.5	1.25 H	194	54.0	12.7
4	*5500.00	116.0 PK			1.26 H	189	72.8	43.2
5	*5500.00	108.1 AV			1.26 H	189	64.9	43.2
6	11000.00	55.6 PK	74.0	-18.4	1.37 H	197	37.5	18.1
7	11000.00	47.0 AV	54.0	-7.0	1.37 H	197	28.9	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.3 PK	74.0	-15.7	1.94 V	174	45.6	12.7
2	5460.00	50.0 AV	54.0	-4.0	1.94 V	174	37.3	12.7
3	#5470.00	63.3 PK	68.2	-4.9	1.94 V	174	50.6	12.7
4	*5500.00	115.2 PK			1.94 V	174	72.0	43.2
5	*5500.00	107.0 AV			1.94 V	174	63.8	43.2
6	11000.00	55.4 PK	74.0	-18.6	1.09 V	3	37.3	18.1
7	11000.00	46.5 AV	54.0	-7.5	1.09 V	3	28.4	18.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 116：5580 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	124.5 PK			1.26 H	189	81.1	43.4
2	*5580.00	116.9 AV			1.26 H	189	73.5	43.4
3	11160.00	57.3 PK	74.0	-16.7	1.97 H	309	39.2	18.1
4	11160.00	47.5 AV	54.0	-6.5	1.97 H	309	29.4	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	122.1 PK			1.94 V	174	78.7	43.4
2	*5580.00	114.7 AV			1.94 V	174	71.3	43.4
3	11160.00	56.6 PK	74.0	-17.4	1.34 V	227	38.5	18.1
4	11160.00	47.1 AV	54.0	-6.9	1.34 V	227	29.0	18.1

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 140：5700 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.4 PK			1.12 H	114	69.0	43.4
2	*5700.00	104.6 AV			1.12 H	114	61.2	43.4
3	#5725.00	66.6 PK	68.2	-1.6	1.15 H	108	53.8	12.8
4	11400.00	57.3 PK	74.0	-16.7	1.78 H	297	38.7	18.6
5	11400.00	47.4 AV	54.0	-6.6	1.78 H	297	28.8	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.7 PK			1.00 V	194	65.3	43.4
2	*5700.00	100.6 AV			1.00 V	194	57.2	43.4
3	#5725.00	58.4 PK	68.2	-9.8	1.00 V	194	45.6	12.8
4	11400.00	57.3 PK	74.0	-16.7	1.78 V	8	38.7	18.6
5	11400.00	47.2 AV	54.0	-6.8	1.78 V	8	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 (HE20)	Channel	CH 144：5720 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.1 PK	74.0	-18.9	2.25 H	158	42.4	12.7
2	5460.00	45.2 AV	54.0	-8.8	2.25 H	158	32.5	12.7
3	#5470.00	55.8 PK	68.2	-12.4	2.25 H	158	43.1	12.7
4	*5720.00	124.2 PK			2.25 H	158	80.6	43.6
5	*5720.00	113.4 AV			2.25 H	158	69.8	43.6
6	11440.00	57.0 PK	74.0	-17.0	2.26 H	197	38.4	18.6
7	11440.00	47.4 AV	54.0	-6.6	2.26 H	197	28.8	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.2 PK	74.0	-18.8	2.38 V	125	42.5	12.7
2	5460.00	44.9 AV	54.0	-9.1	2.38 V	125	32.2	12.7
3	#5470.00	54.9 PK	68.2	-13.3	2.38 V	125	42.2	12.7
4	*5720.00	120.4 PK			2.38 V	125	76.8	43.6
5	*5720.00	110.0 AV			2.38 V	125	66.4	43.6
6	11440.00	56.4 PK	74.0	-17.6	1.62 V	174	37.8	18.6
7	11440.00	46.7 AV	54.0	-7.3	1.62 V	174	28.1	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 149：5745 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5646.45	59.5 PK	68.2	-8.7	2.25 H	154	46.7	12.8
2	*5745.00	121.6 PK			2.25 H	154	77.9	43.7
3	*5745.00	111.1 AV			2.25 H	154	67.4	43.7
4	#5989.59	59.4 PK	68.2	-8.8	2.25 H	154	46.1	13.3
5	11490.00	56.5 PK	74.0	-17.5	1.63 H	227	37.7	18.8
6	11490.00	47.0 AV	54.0	-7.0	1.63 H	227	28.2	18.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.21	58.4 PK	68.2	-9.8	2.52 V	114	45.7	12.7
2	*5745.00	119.6 PK			2.52 V	114	75.9	43.7
3	*5745.00	109.4 AV			2.52 V	114	65.7	43.7
4	#5957.96	57.6 PK	68.2	-10.6	2.52 V	114	44.4	13.2
5	11490.00	57.1 PK	74.0	-16.9	1.38 V	239	38.3	18.8
6	11490.00	47.4 AV	54.0	-6.6	1.38 V	239	28.6	18.8

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 157：5785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5633.23	59.6 PK	68.2	-8.6	2.25 H	154	46.9	12.7
2	*5785.00	121.0 PK			2.25 H	154	77.2	43.8
3	*5785.00	111.5 AV			2.25 H	154	67.7	43.8
4	#5999.60	59.5 PK	68.2	-8.7	2.25 H	154	46.2	13.3
5	11570.00	56.8 PK	74.0	-17.2	1.95 H	270	38.2	18.6
6	11570.00	47.2 AV	54.0	-6.8	1.95 H	270	28.6	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.61	59.4 PK	68.2	-8.8	2.47 V	126	46.7	12.7
2	*5785.00	117.2 PK			2.47 V	126	104.3	12.9
3	*5785.00	108.7 AV			2.47 V	126	95.8	12.9
4	#5960.76	59.5 PK	68.2	-8.7	2.47 V	126	46.3	13.2
5	11570.00	57.0 PK	74.0	-17.0	1.96 V	247	38.4	18.6
6	11570.00	47.5 AV	54.0	-6.5	1.96 V	247	28.9	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 165：5825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.65	59.7 PK	68.2	-8.5	2.25 H	154	46.9	12.8
2	*5825.00	122.0 PK			2.25 H	154	78.1	43.9
3	*5825.00	112.6 AV			2.25 H	154	68.7	43.9
4	#5964.76	59.6 PK	68.2	-8.6	2.25 H	154	46.4	13.2
5	11650.00	57.0 PK	74.0	-17.0	2.75 H	139	38.1	18.9
6	11650.00	47.3 AV	54.0	-6.7	2.75 H	139	28.4	18.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5626.03	59.6 PK	68.2	-8.6	2.52 V	114	46.9	12.7
2	*5825.00	118.5 PK			2.52 V	114	74.6	43.9
3	*5825.00	109.6 AV			2.52 V	114	65.7	43.9
4	#5991.19	59.3 PK	68.2	-8.9	2.52 V	114	46.0	13.3
5	11650.00	56.5 PK	74.0	-17.5	1.91 V	203	37.6	18.9
6	11650.00	46.9 AV	54.0	-7.1	1.91 V	203	28.0	18.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 38：5190 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.8 PK	74.0	-9.2	1.06 H	101	52.7	12.1
2	5150.00	51.7 AV	54.0	-2.3	1.06 H	101	39.6	12.1
3	*5190.00	110.9 PK			1.06 H	101	68.1	42.8
4	*5190.00	100.4 AV			1.06 H	101	57.6	42.8
5	5350.00	55.1 PK	74.0	-18.9	1.06 H	101	42.8	12.3
6	5350.00	44.1 AV	54.0	-9.9	1.06 H	101	31.8	12.3
7	#10380.00	55.9 PK	68.2	-12.3	2.35 H	82	38.3	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.6 PK	74.0	-15.4	1.72 V	206	46.5	12.1
2	5150.00	48.9 AV	54.0	-5.1	1.72 V	206	36.8	12.1
3	*5190.00	107.8 PK			1.72 V	206	65.0	42.8
4	*5190.00	97.0 AV			1.72 V	206	54.2	42.8
5	5350.00	53.8 PK	74.0	-20.2	1.72 V	206	41.5	12.3
6	5350.00	44.0 AV	54.0	-10.0	1.72 V	206	31.7	12.3
7	#10380.00	55.7 PK	68.2	-12.5	2.31 V	126	38.1	17.6

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 46：5230 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	63.5 PK	74.0	-10.5	1.06 H	101	51.4	12.1
2	5150.00	49.8 AV	54.0	-4.2	1.06 H	101	37.7	12.1
3	*5230.00	116.9 PK			1.06 H	101	74.0	42.9
4	*5230.00	106.1 AV			1.06 H	101	63.2	42.9
5	5350.00	54.8 PK	74.0	-19.2	1.06 H	101	42.5	12.3
6	5350.00	45.3 AV	54.0	-8.7	1.06 H	101	33.0	12.3
7	#10460.00	56.2 PK	68.2	-12.0	1.37 H	229	38.5	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.0 PK	74.0	-16.0	1.67 V	207	45.9	12.1
2	5150.00	47.1 AV	54.0	-6.9	1.67 V	207	35.0	12.1
3	*5230.00	113.0 PK			1.67 V	207	70.1	42.9
4	*5230.00	102.4 AV			1.67 V	207	59.5	42.9
5	5350.00	54.3 PK	74.0	-19.7	1.67 V	207	42.0	12.3
6	5350.00	44.3 AV	54.0	-9.7	1.67 V	207	32.0	12.3
7	#10460.00	55.6 PK	68.2	-12.6	1.36 V	317	37.9	17.7

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 54：5270 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.3 PK	74.0	-13.7	1.25 H	189	48.2	12.1
2	5150.00	50.7 AV	54.0	-3.3	1.25 H	189	38.6	12.1
3	*5270.00	119.1 PK			1.25 H	189	76.2	42.9
4	*5270.00	111.5 AV			1.25 H	189	68.6	42.9
5	5350.00	65.2 PK	74.0	-8.8	1.90 H	195	52.9	12.3
6	5350.00	52.5 AV	54.0	-1.5	1.90 H	195	40.2	12.3
7	#10540.00	55.5 PK	68.2	-12.7	1.42 H	228	37.7	17.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	1.94 V	174	47.4	12.1
2	5150.00	49.8 AV	54.0	-4.2	1.94 V	174	37.7	12.1
3	*5270.00	115.2 PK			1.94 V	174	72.3	42.9
4	*5270.00	107.9 AV			1.94 V	174	65.0	42.9
5	5350.00	61.1 PK	74.0	-12.9	1.94 V	174	48.8	12.3
6	5350.00	51.4 AV	54.0	-2.6	1.94 V	174	39.1	12.3
7	#10540.00	55.1 PK	68.2	-13.1	1.66 V	327	37.3	17.8

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 62：5310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.0 PK	74.0	-18.0	1.26 H	189	43.9	12.1
2	5150.00	46.8 AV	54.0	-7.2	1.26 H	189	34.7	12.1
3	*5310.00	114.0 PK			1.26 H	189	71.0	43.0
4	*5310.00	106.8 AV			1.26 H	189	63.8	43.0
5	5350.00	63.0 PK	74.0	-11.0	1.25 H	190	50.7	12.3
6	5350.00	51.6 AV	54.0	-2.4	1.25 H	190	39.3	12.3
7	10620.00	55.6 PK	74.0	-18.4	1.75 H	19	37.9	17.7
8	10620.00	48.4 AV	54.0	-5.6	1.75 H	19	30.7	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	55.7 PK	74.0	-18.3	1.94 V	174	43.6	12.1
2	5150.00	47.0 AV	54.0	-7.0	1.94 V	174	34.9	12.1
3	*5310.00	110.1 PK			1.94 V	174	67.1	43.0
4	*5310.00	102.6 AV			1.94 V	174	59.6	43.0
5	5350.00	60.7 PK	74.0	-13.3	1.94 V	174	48.4	12.3
6	5350.00	51.1 AV	54.0	-2.9	1.94 V	174	38.8	12.3
7	10620.00	55.2 PK	74.0	-18.8	1.78 V	9	37.5	17.7
8	10620.00	48.3 AV	54.0	-5.7	1.78 V	9	30.6	17.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 102：5510 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	62.6 PK	74.0	-11.4	1.25 H	190	49.9	12.7
2	5460.00	50.8 AV	54.0	-3.2	1.25 H	190	38.1	12.7
3	#5470.00	66.2 PK	68.2	-2.0	1.25 H	190	53.5	12.7
4	*5510.00	112.6 PK			1.26 H	189	69.2	43.4
5	*5510.00	104.7 AV			1.26 H	189	61.3	43.4
6	#5725.00	57.1 PK	68.2	-11.1	1.26 H	189	44.3	12.8
7	11020.00	57.3 PK	74.0	-16.7	1.85 H	194	39.2	18.1
8	11020.00	47.0 AV	54.0	-7.0	1.85 H	194	28.9	18.1
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.4 PK	74.0	-14.6	1.94 V	174	46.7	12.7
2	5460.00	49.9 AV	54.0	-4.1	1.94 V	174	37.2	12.7
3	#5470.00	63.0 PK	68.2	-5.2	1.94 V	174	50.3	12.7
4	*5510.00	109.0 PK			1.94 V	174	65.6	43.4
5	*5510.00	101.4 AV			1.94 V	174	58.0	43.4
6	#5725.00	56.6 PK	68.2	-11.6	1.94 V	174	43.8	12.8
7	11020.00	56.3 PK	74.0	-17.7	1.67 V	278	38.2	18.1
8	11020.00	46.9 AV	54.0	-7.1	1.67 V	278	28.8	18.1

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 110：5550 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	65.8 PK	74.0	-8.2	1.30 H	189	53.1	12.7
2	5460.00	52.3 AV	54.0	-1.7	1.30 H	189	39.6	12.7
3	#5470.00	66.4 PK	68.2	-1.8	1.26 H	191	53.7	12.7
4	*5550.00	118.8 PK			1.25 H	190	75.4	43.4
5	*5550.00	110.4 AV			1.25 H	190	67.0	43.4
6	#5725.00	57.6 PK	68.2	-10.6	1.25 H	190	44.8	12.8
7	11100.00	56.7 PK	74.0	-17.3	1.75 H	114	38.1	18.6
8	11100.00	47.5 AV	54.0	-6.5	1.75 H	114	28.9	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	64.8 PK	74.0	-9.2	1.94 V	174	52.1	12.7
2	5460.00	51.0 AV	54.0	-3.0	1.94 V	174	38.3	12.7
3	#5470.00	66.3 PK	68.2	-1.9	1.94 V	174	53.6	12.7
4	*5550.00	114.0 PK			1.94 V	174	70.6	43.4
5	*5550.00	106.3 AV			1.94 V	174	62.9	43.4
6	#5725.00	57.1 PK	68.2	-11.1	1.94 V	174	44.3	12.8
7	11100.00	55.5 PK	74.0	-18.5	1.94 V	274	36.9	18.6
8	11100.00	47.1 AV	54.0	-6.9	1.94 V	274	28.5	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 (HE40)	Channel	CH 134：5670 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	1.15 H	115	44.6	12.7
2	5460.00	47.2 AV	54.0	-6.8	1.15 H	115	34.5	12.7
3	#5470.00	57.4 PK	68.2	-10.8	1.15 H	115	44.7	12.7
4	*5670.00	114.7 PK			1.15 H	115	71.2	43.5
5	*5670.00	106.9 AV			1.15 H	115	63.4	43.5
6	#5725.00	66.0 PK	68.2	-2.2	1.20 H	124	53.2	12.8
7	11340.00	57.1 PK	74.0	-16.9	1.95 H	5	38.7	18.4
8	11340.00	47.3 AV	54.0	-6.7	1.95 H	5	28.9	18.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	1.94 V	174	44.5	12.7
2	5460.00	47.0 AV	54.0	-7.0	1.94 V	174	34.3	12.7
3	#5470.00	57.0 PK	68.2	-11.2	1.94 V	174	44.3	12.7
4	*5670.00	113.8 PK			1.94 V	174	70.3	43.5
5	*5670.00	106.1 AV			1.94 V	174	62.6	43.5
6	#5725.00	64.8 PK	68.2	-3.4	1.94 V	174	52.0	12.8
7	11340.00	56.6 PK	74.0	-17.4	1.75 V	112	38.2	18.4
8	11340.00	47.1 AV	54.0	-6.9	1.75 V	112	28.7	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 = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	2.25 H	159	42.8	12.7
2	5460.00	45.5 AV	54.0	-8.5	2.25 H	159	32.8	12.7
3	#5470.00	56.3 PK	68.2	-11.9	2.25 H	159	43.6	12.7
4	*5710.00	120.7 PK			2.25 H	159	77.3	43.4
5	*5710.00	110.2 AV			2.25 H	159	66.8	43.4
6	11420.00	56.9 PK	74.0	-17.1	1.26 H	309	38.3	18.6
7	11420.00	47.4 AV	54.0	-6.6	1.26 H	309	28.8	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.2 PK	74.0	-18.8	2.38 V	125	42.5	12.7
2	5460.00	45.1 AV	54.0	-8.9	2.38 V	125	32.4	12.7
3	#5470.00	56.1 PK	68.2	-12.1	2.38 V	125	43.4	12.7
4	*5710.00	117.4 PK			2.38 V	125	74.0	43.4
5	*5710.00	106.8 AV			2.38 V	125	63.4	43.4
6	11420.00	57.1 PK	74.0	-16.9	2.04 V	117	38.5	18.6
7	11420.00	47.3 AV	54.0	-6.7	2.04 V	117	28.7	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 = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5631.63	60.8 PK	68.2	-7.4	2.25 H	154	48.1	12.7
2	*5755.00	119.6 PK			2.25 H	154	75.9	43.7
3	*5755.00	109.7 AV			2.25 H	154	66.0	43.7
4	#5992.79	60.1 PK	68.2	-8.1	2.25 H	154	46.8	13.3
5	11510.00	57.0 PK	74.0	-17.0	1.64 H	52	38.3	18.7
6	11510.00	47.6 AV	54.0	-6.4	1.64 H	52	28.9	18.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.64	62.5 PK	68.2	-5.7	2.50 V	109	49.8	12.7
2	*5755.00	118.3 PK			2.50 V	109	74.6	43.7
3	*5755.00	108.4 AV			2.50 V	109	64.7	43.7
4	#5987.99	60.7 PK	68.2	-7.5	2.50 V	109	47.4	13.3
5	11510.00	57.1 PK	74.0	-16.9	1.75 V	223	38.4	18.7
6	11510.00	47.5 AV	54.0	-6.5	1.75 V	223	28.8	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 159：5795 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5624.02	60.6 PK	68.2	-7.6	2.25 H	154	47.9	12.7
2	*5795.00	120.8 PK			2.25 H	154	77.0	43.8
3	*5795.00	110.7 AV			2.25 H	154	66.9	43.8
4	#5926.33	61.2 PK	68.2	-7.0	2.25 H	154	48.0	13.2
5	11590.00	56.4 PK	74.0	-17.6	1.45 H	237	37.8	18.6
6	11590.00	46.9 AV	54.0	-7.1	1.45 H	237	28.3	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5638.44	60.7 PK	68.2	-7.5	2.24 V	108	48.0	12.7
2	*5795.00	118.2 PK			2.44 V	108	74.4	43.8
3	*5795.00	108.0 AV			2.44 V	108	64.2	43.8
4	#5926.33	61.2 PK	68.2	-7.0	2.24 V	108	48.0	13.2
5	11590.00	56.7 PK	74.0	-17.3	2.07 V	163	38.1	18.6
6	11590.00	47.0 AV	54.0	-7.0	2.07 V	163	28.4	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	802.11ax (HE80)	Channel	CH 42：5210 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	60.0 PK	74.0	-14.0	1.00 H	110	47.9	12.1
2	5150.00	50.2 AV	54.0	-3.8	1.00 H	110	38.1	12.1
3	*5210.00	105.8 PK			1.00 H	110	62.9	42.9
4	*5210.00	94.6 AV			1.00 H	110	51.7	42.9
5	5350.00	54.7 PK	74.0	-19.3	1.00 H	110	42.4	12.3
6	5350.00	44.2 AV	54.0	-9.8	1.00 H	110	31.9	12.3
7	#10420.00	56.0 PK	68.2	-12.2	2.10 H	241	38.4	17.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	1.72 V	221	45.3	12.1
2	5150.00	48.1 AV	54.0	-5.9	1.72 V	221	36.0	12.1
3	*5210.00	102.5 PK			1.72 V	221	59.6	42.9
4	*5210.00	91.2 AV			1.72 V	221	48.3	42.9
5	5350.00	53.9 PK	74.0	-20.1	1.72 V	221	41.6	12.3
6	5350.00	44.0 AV	54.0	-10.0	1.72 V	221	31.7	12.3
7	#10420.00	55.8 PK	68.2	-12.4	1.39 V	230	38.2	17.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 58：5290 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.8 PK	74.0	-17.2	1.26 H	189	44.7	12.1
2	5150.00	47.1 AV	54.0	-6.9	1.26 H	189	35.0	12.1
3	*5290.00	110.8 PK			1.26 H	189	67.8	43.0
4	*5290.00	102.4 AV			1.26 H	189	59.4	43.0
5	5350.00	63.1 PK	74.0	-10.9	1.25 H	185	50.8	12.3
6	5350.00	53.0 AV	54.0	-1.0	1.25 H	185	40.7	12.3
7	#10580.00	55.4 PK	68.2	-12.8	1.14 H	175	37.7	17.7
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.7 PK	74.0	-17.3	1.94 V	174	44.6	12.1
2	5150.00	46.8 AV	54.0	-7.2	1.94 V	174	34.7	12.1
3	*5290.00	108.2 PK			1.94 V	174	65.2	43.0
4	*5290.00	100.7 AV			1.94 V	174	57.7	43.0
5	5350.00	61.1 PK	74.0	-12.9	1.94 V	174	48.8	12.3
6	5350.00	51.5 AV	54.0	-2.5	1.94 V	174	39.2	12.3
7	#10580.00	55.2 PK	68.2	-13.0	1.17 V	45	37.5	17.7

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 = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.6 PK	74.0	-10.4	1.30 H	188	50.9	12.7
2	5460.00	52.8 AV	54.0	-1.2	1.30 H	188	40.1	12.7
3	#5470.00	66.6 PK	68.2	-1.6	1.30 H	188	53.9	12.7
4	*5530.00	111.0 PK			1.26 H	189	67.6	43.4
5	*5530.00	103.1 AV			1.26 H	189	59.7	43.4
6	#5725.00	57.4 PK	68.2	-10.8	1.26 H	189	44.6	12.8
7	11060.00	57.0 PK	74.0	-17.0	1.66 H	191	38.7	18.3
8	11060.00	47.2 AV	54.0	-6.8	1.66 H	191	28.9	18.3
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	60.0 PK	74.0	-14.0	1.94 V	174	47.3	12.7
2	5460.00	50.3 AV	54.0	-3.7	1.94 V	174	37.6	12.7
3	#5470.00	61.1 PK	68.2	-7.1	1.94 V	174	48.4	12.7
4	*5530.00	107.6 PK			1.94 V	174	64.2	43.4
5	*5530.00	98.9 AV			1.94 V	174	55.5	43.4
6	#5725.00	57.0 PK	68.2	-11.2	1.94 V	174	44.2	12.8
7	11060.00	56.5 PK	74.0	-17.5	1.77 V	197	38.2	18.3
8	11060.00	46.4 AV	54.0	-7.6	1.77 V	197	28.1	18.3

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 122：5610 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	63.5 PK	74.0	-10.5	1.25 H	191	50.8	12.7
2	5460.00	52.0 AV	54.0	-2.0	1.25 H	191	39.3	12.7
3	#5470.00	66.0 PK	68.2	-2.2	1.28 H	188	53.3	12.7
4	*5610.00	114.4 PK			1.25 H	189	71.0	43.4
5	*5610.00	106.6 AV			1.25 H	189	63.2	43.4
6	#5725.00	66.2 PK	68.2	-2.0	1.28 H	189	53.4	12.8
7	11220.00	57.1 PK	74.0	-16.9	1.05 H	100	39.2	17.9
8	11220.00	47.0 AV	54.0	-7.0	1.05 H	100	29.1	17.9
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.4 PK	74.0	-10.6	1.94 V	174	50.7	12.7
2	5460.00	51.5 AV	54.0	-2.5	1.94 V	174	38.8	12.7
3	#5470.00	65.5 PK	68.2	-2.7	1.94 V	174	52.8	12.7
4	*5610.00	108.0 PK			1.94 V	174	64.6	43.4
5	*5610.00	100.4 AV			1.94 V	174	57.0	43.4
6	#5725.00	65.6 PK	68.2	-2.6	1.94 V	174	52.8	12.8
7	11220.00	56.4 PK	74.0	-17.6	1.78 V	159	38.5	17.9
8	11220.00	47.0 AV	54.0	-7.0	1.78 V	159	29.1	17.9

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 138：5690 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	55.7 PK	74.0	-18.3	2.25 H	159	43.0	12.7
2	5460.00	45.6 AV	54.0	-8.4	2.25 H	159	32.9	12.7
3	#5470.00	56.6 PK	68.2	-11.6	2.25 H	159	43.9	12.7
4	*5690.00	115.4 PK			2.25 H	159	72.0	43.4
5	*5690.00	105.7 AV			2.25 H	159	62.3	43.4
6	11380.00	56.6 PK	74.0	-17.4	1.59 H	275	38.1	18.5
7	11380.00	47.0 AV	54.0	-7.0	1.59 H	275	28.5	18.5
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	55.5 PK	74.0	-18.5	2.34 V	120	42.8	12.7
2	5460.00	45.2 AV	54.0	-8.8	2.34 V	120	32.5	12.7
3	#5470.00	55.7 PK	68.2	-12.5	2.34 V	120	43.0	12.7
4	*5690.00	112.7 PK			2.34 V	120	69.3	43.4
5	*5690.00	102.3 AV			2.34 V	120	58.9	43.4
6	11380.00	56.0 PK	74.0	-18.0	1.10 V	192	37.5	18.5
7	11380.00	46.5 AV	54.0	-7.5	1.10 V	192	28.0	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.

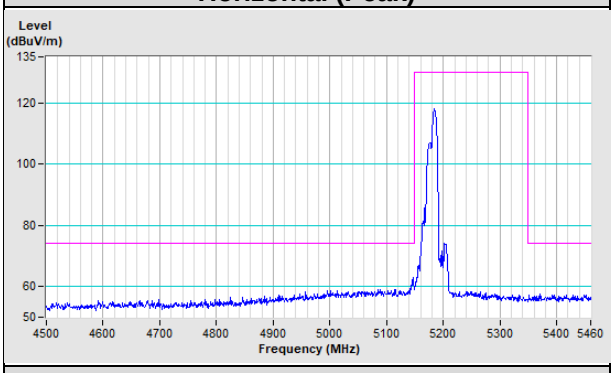
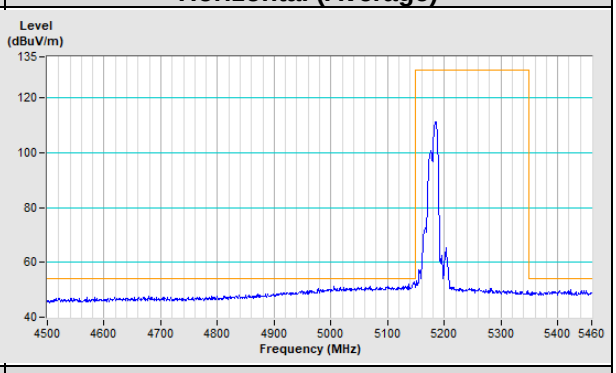
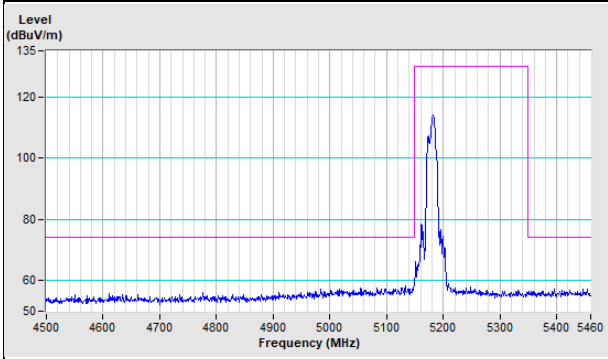
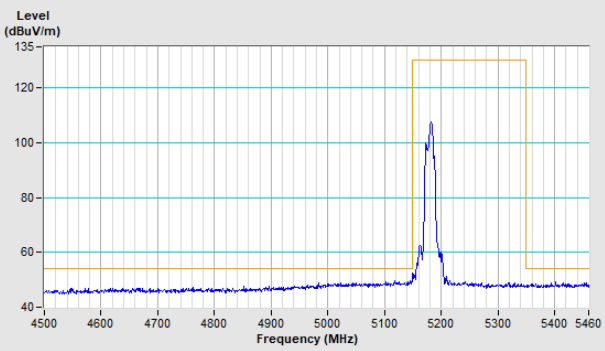
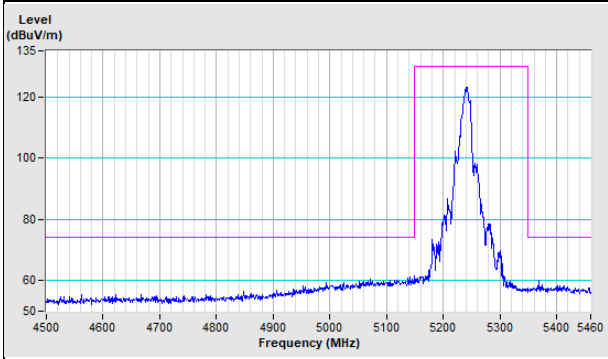
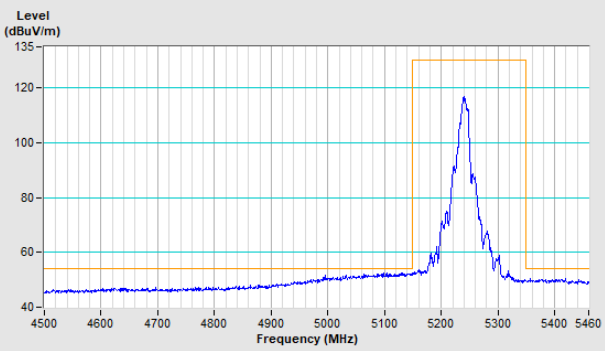
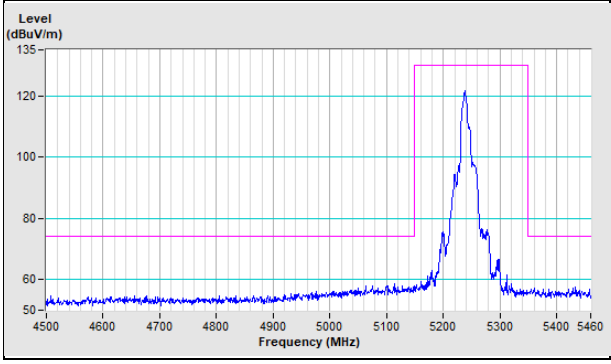
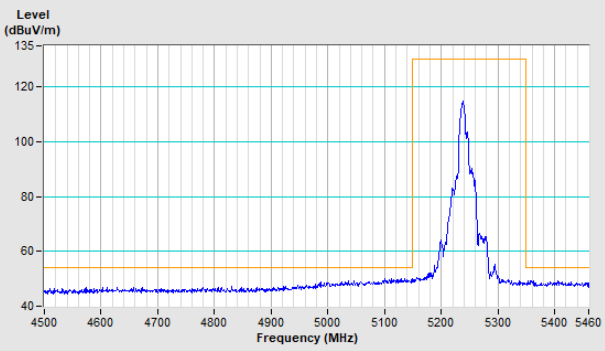
RF Mode	802.11ax (HE80)	Channel	CH 155：5775 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	(PK) RB = 1 MHz, VB = 3 MHz (AV) RB = 1 MHz, VB = 10 Hz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25°C, 61% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5642.84	58.1 PK	68.2	-10.1	2.25 H	154	45.4	12.7
2	*5775.00	113.1 PK			2.25 H	154	69.3	43.8
3	*5775.00	102.6 AV			2.25 H	154	58.8	43.8
4	#5965.57	56.6 PK	68.2	-11.6	2.25 H	154	43.4	13.2
5	11550.00	56.5 PK	74.0	-17.5	1.83 H	152	37.9	18.6
6	11550.00	47.0 AV	54.0	-7.0	1.83 H	152	28.4	18.6
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5640.44	59.2 PK	68.2	-9.0	2.56 V	112	46.5	12.7
2	*5775.00	109.6 PK			2.56 V	112	65.8	43.8
3	*5775.00	99.4 AV			2.56 V	112	55.6	43.8
4	#5993.99	57.5 PK	68.2	-10.7	2.56 V	112	44.2	13.3
5	11550.00	56.2 PK	74.0	-17.8	2.14 V	82	37.6	18.6
6	11550.00	46.8 AV	54.0	-7.2	2.14 V	82	28.2	18.6

Remarks:

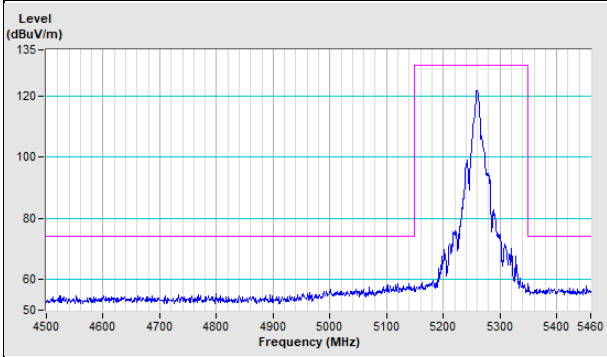
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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

Plot of Band Edge-CDD Mode

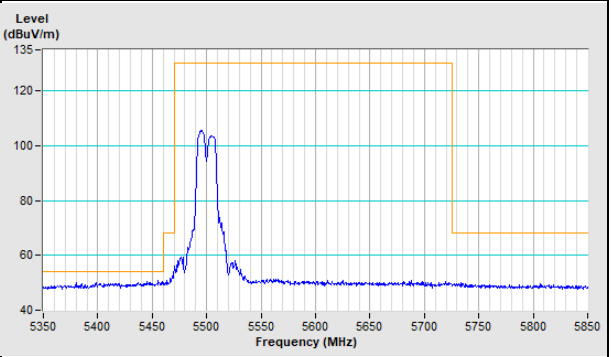
802.11a Channel 36	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11a Channel 48	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

802.11a Channel 52

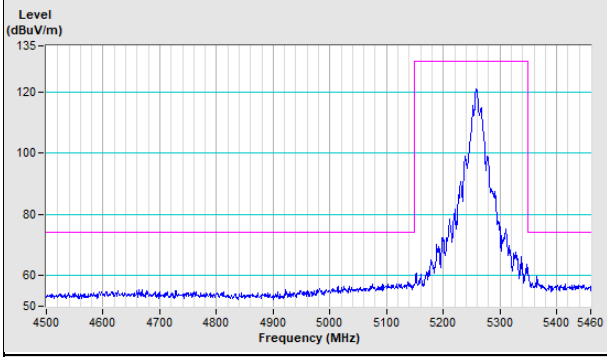
Horizontal (Peak)



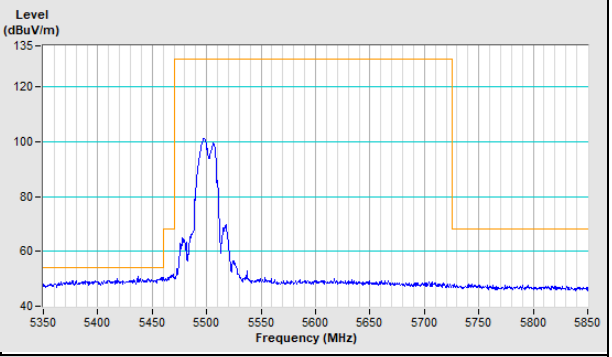
Horizontal (Average)



Vertical (Peak)

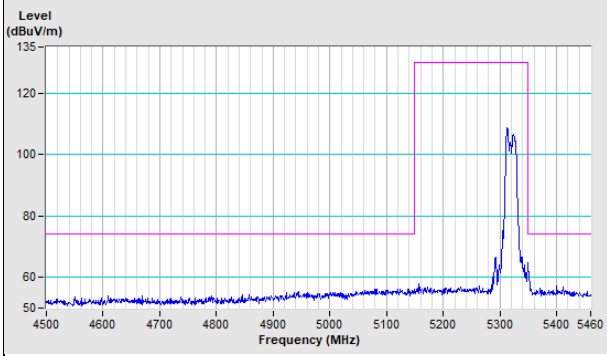


Vertical (Average)

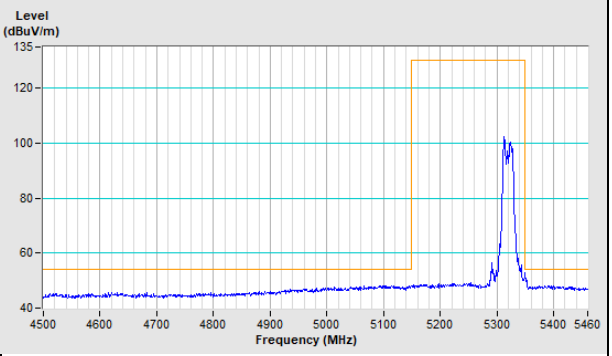


802.11a Channel 64

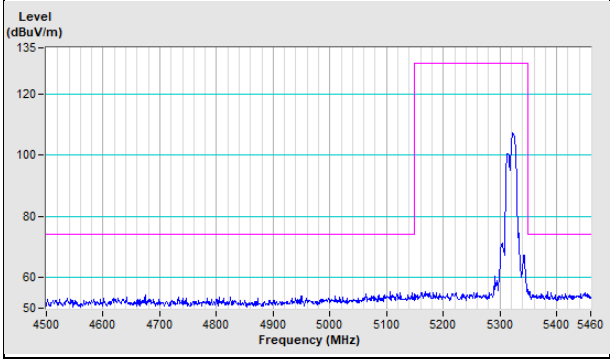
Horizontal (Peak)



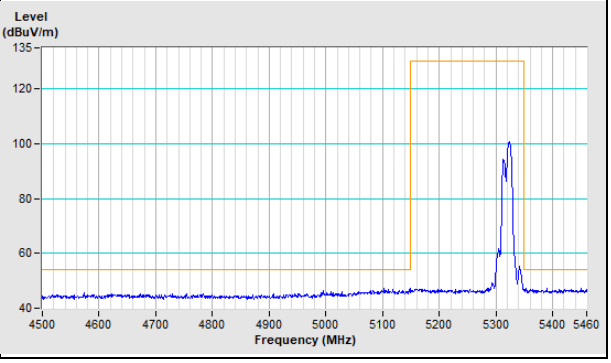
Horizontal (Average)



Vertical (Peak)

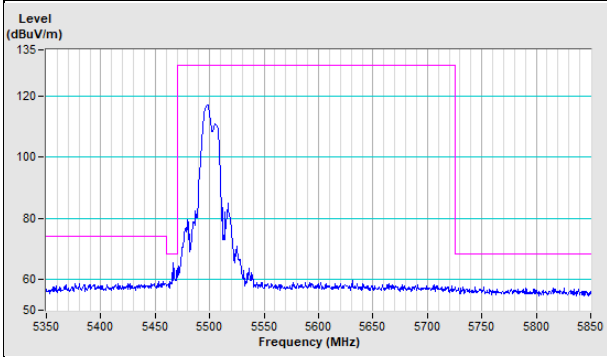


Vertical (Average)

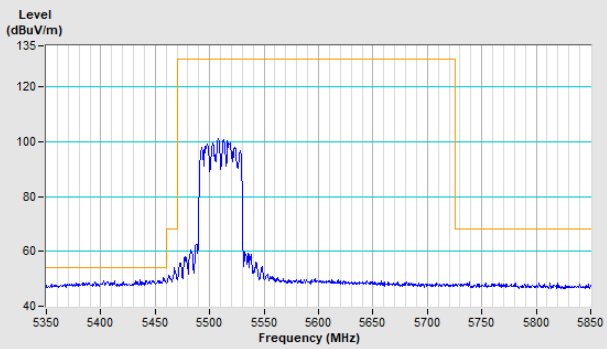


802.11a Channel 100

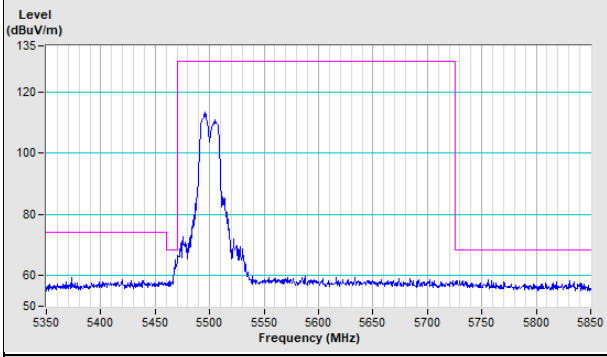
Horizontal (Peak)



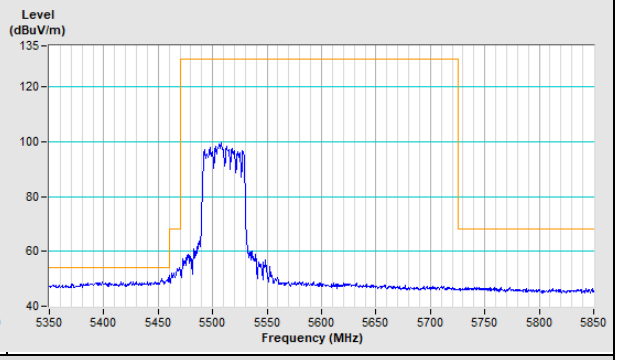
Horizontal (Average)



Vertical (Peak)

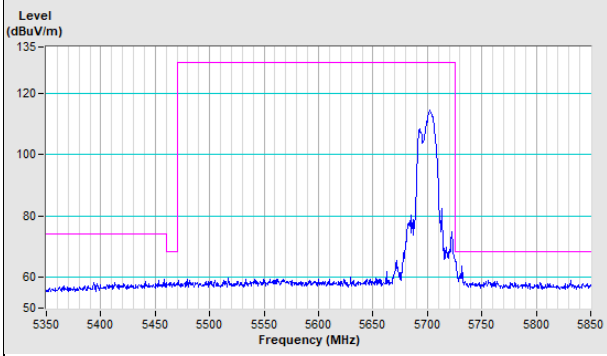


Vertical (Average)

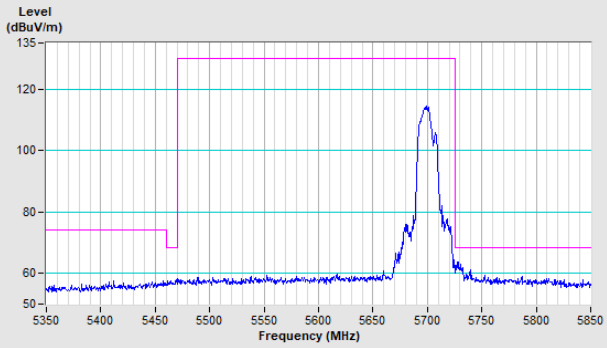


802.11a Channel 140

Horizontal (Peak)

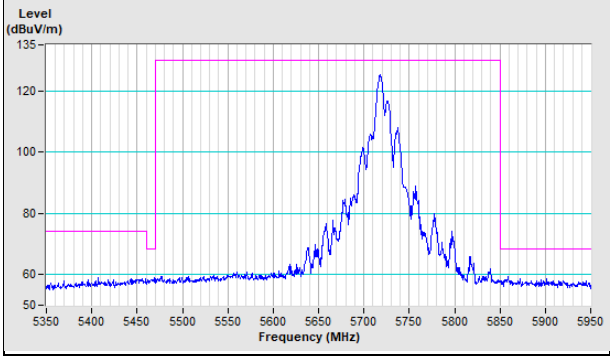


Vertical (Peak)

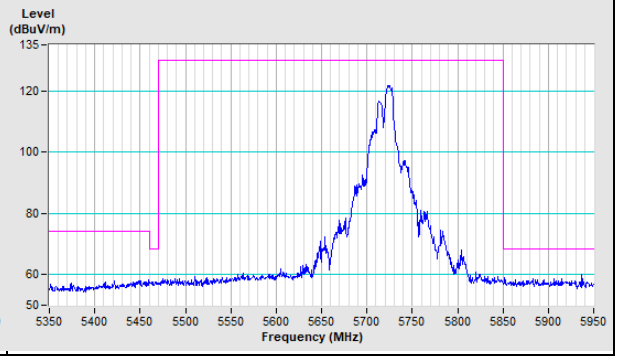


802.11a Channel 144

Horizontal (Peak)

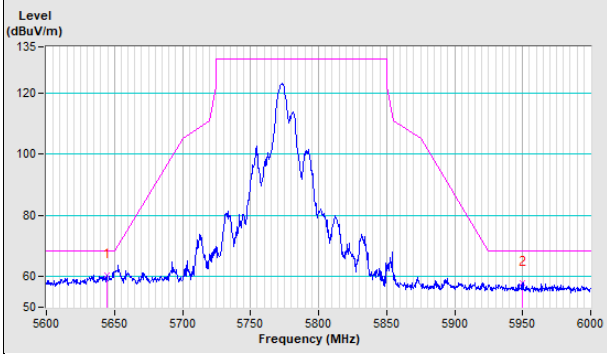


Vertical (Peak)

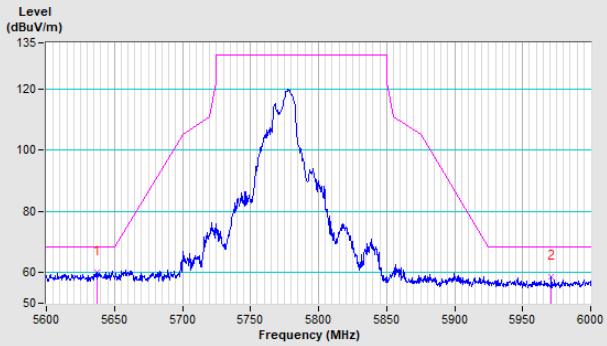


802.11a Channel 149

Horizontal (Peak)

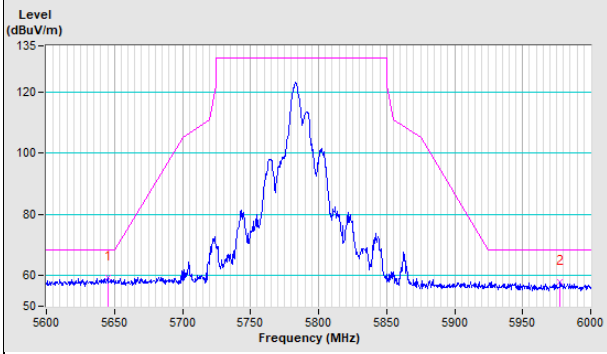


Vertical (Peak)

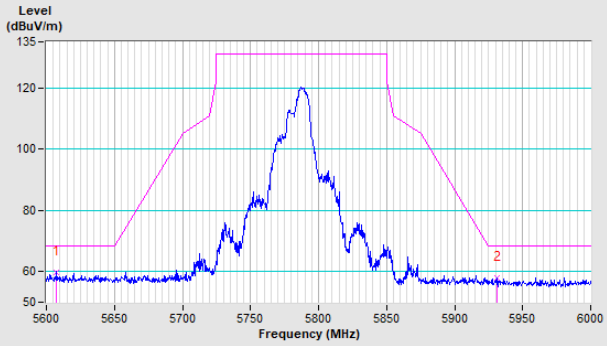


802.11a Channel 157

Horizontal (Peak)

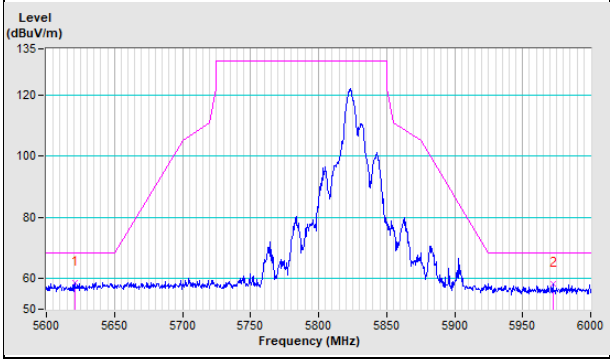


Vertical (Peak)

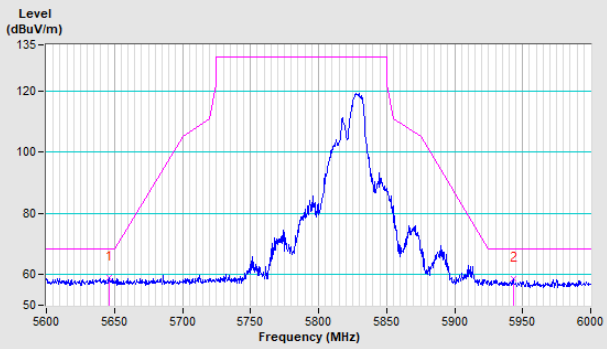


802.11a Channel 165

Horizontal (Peak)

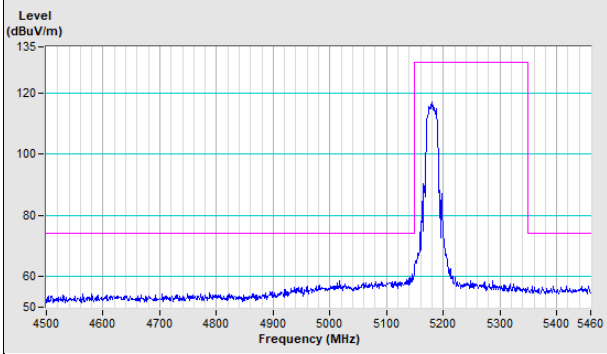


Vertical (Peak)

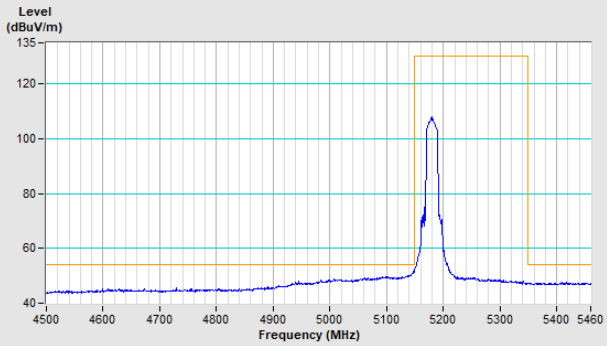


802.11ax (HE20) Channel 36

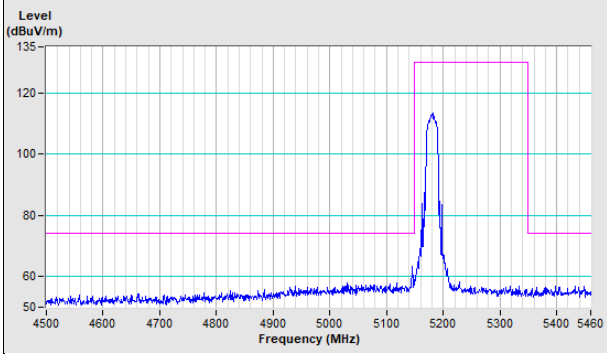
Horizontal (Peak)



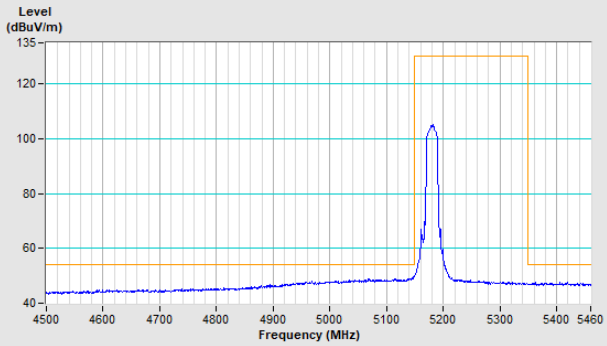
Horizontal (Average)



Vertical (Peak)

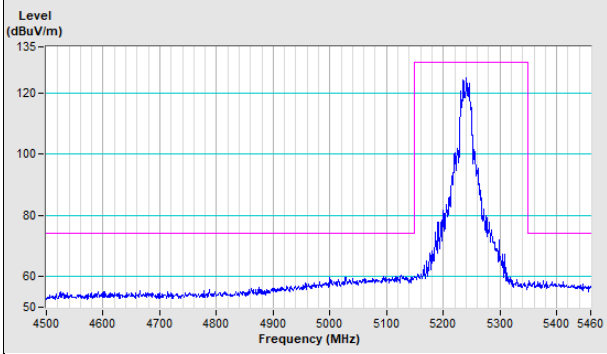


Vertical (Average)

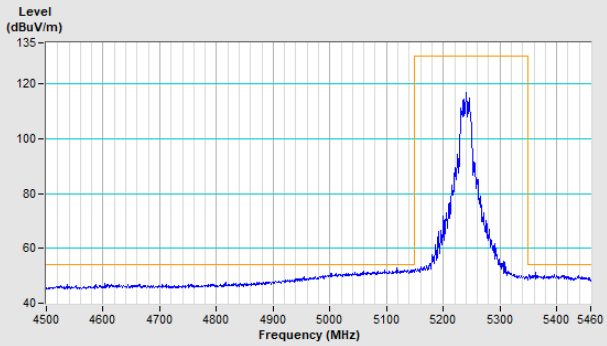


802.11ax (HE20) Channel 48

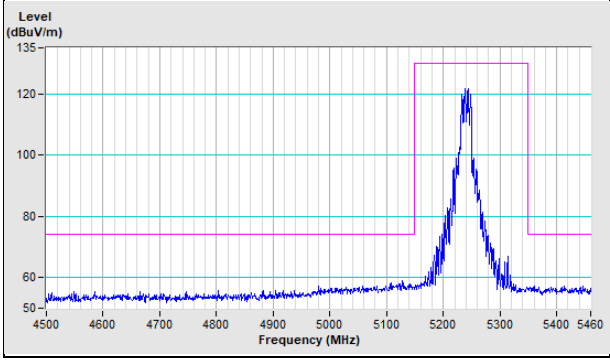
Horizontal (Peak)



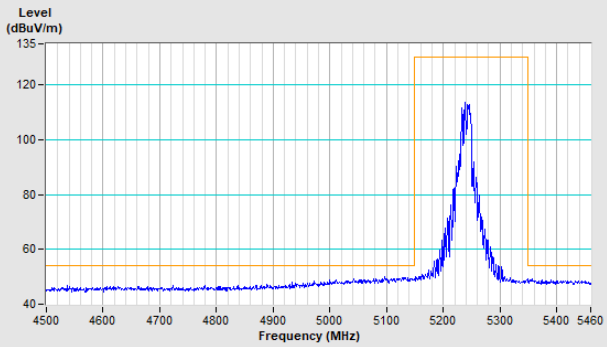
Horizontal (Average)



Vertical (Peak)

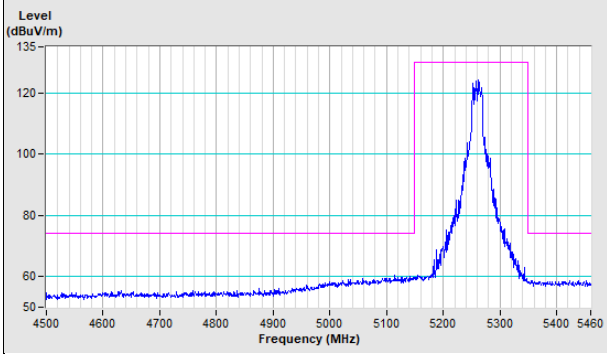


Vertical (Average)

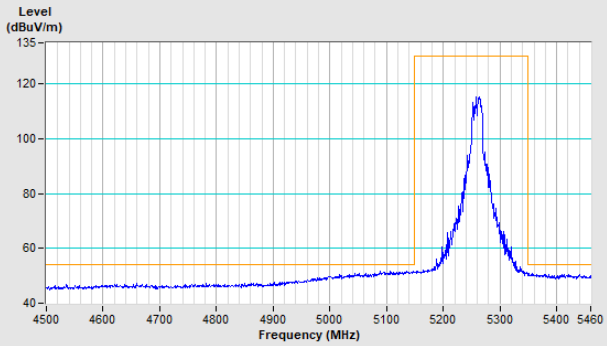


802.11ax (HE20) Channel 52

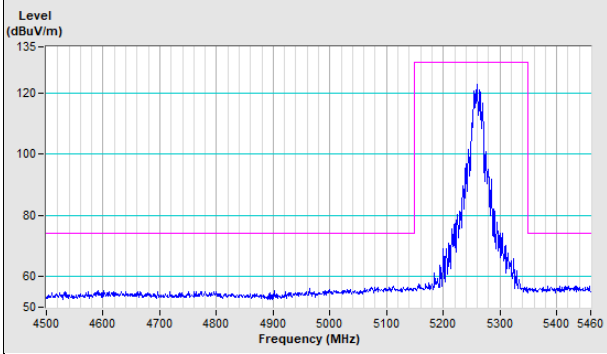
Horizontal (Peak)



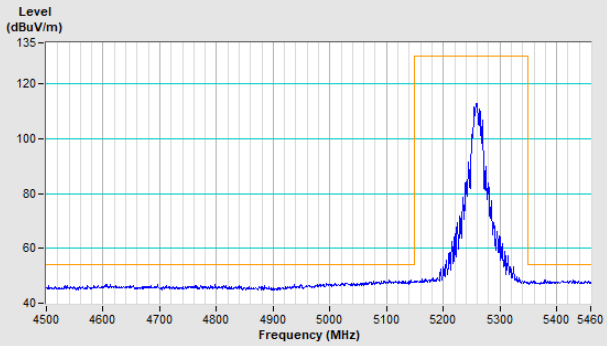
Horizontal (Average)



Vertical (Peak)

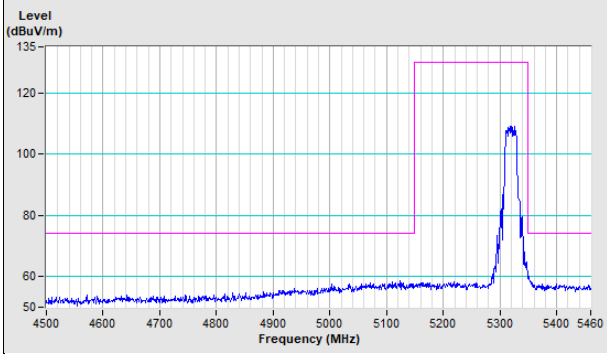


Vertical (Average)

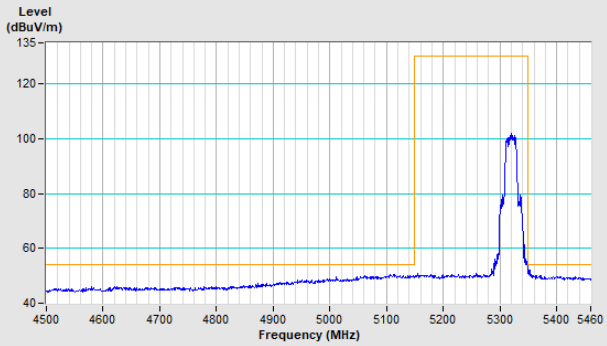


802.11ax (HE20) Channel 64

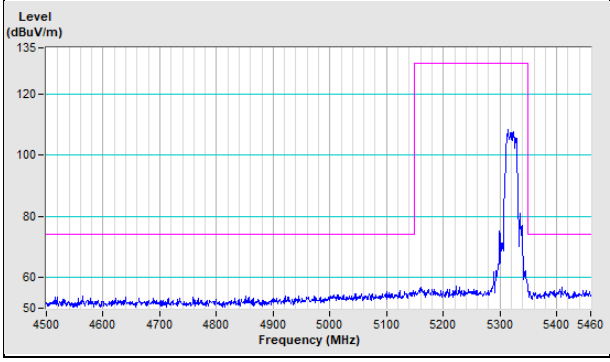
Horizontal (Peak)



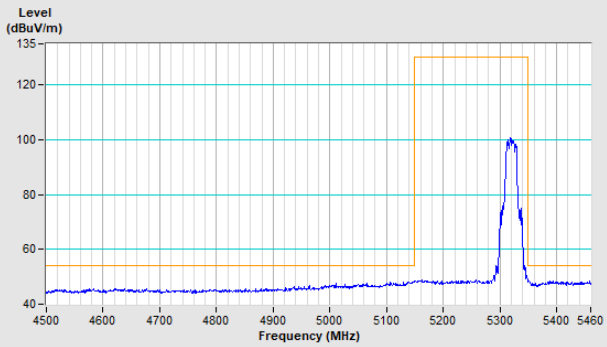
Horizontal (Average)

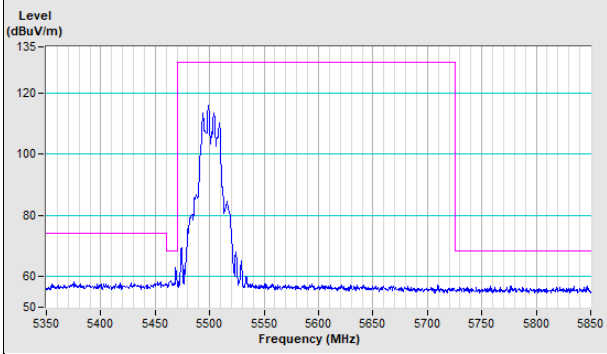
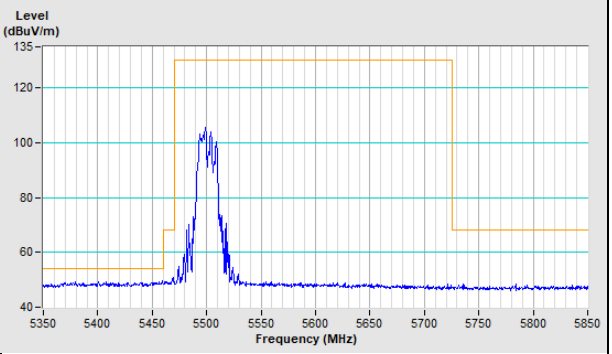
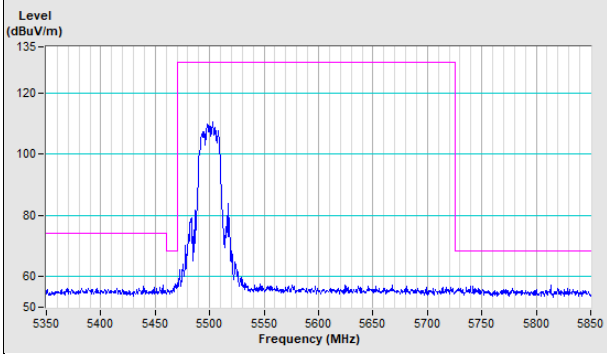
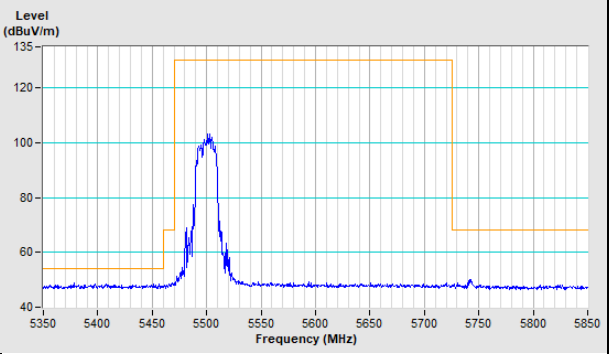
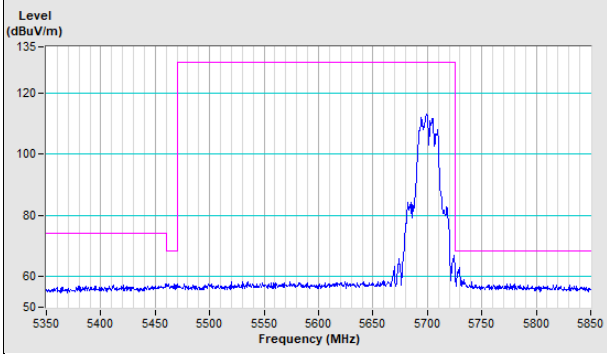
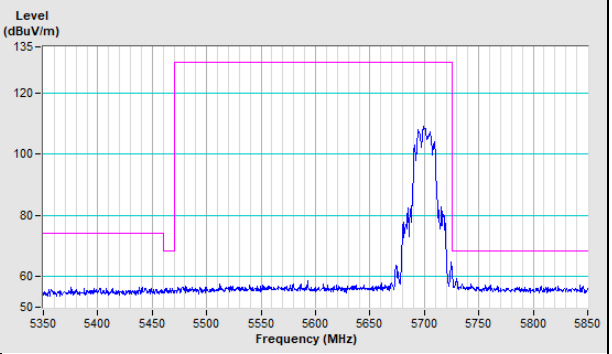
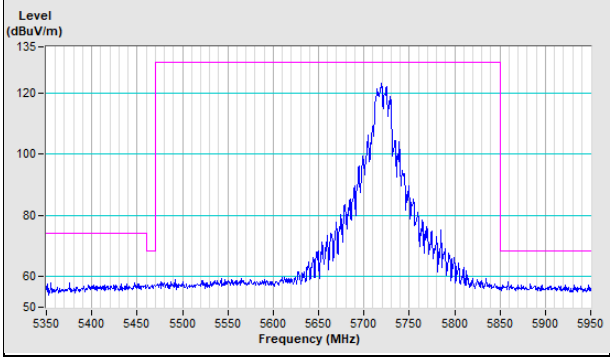
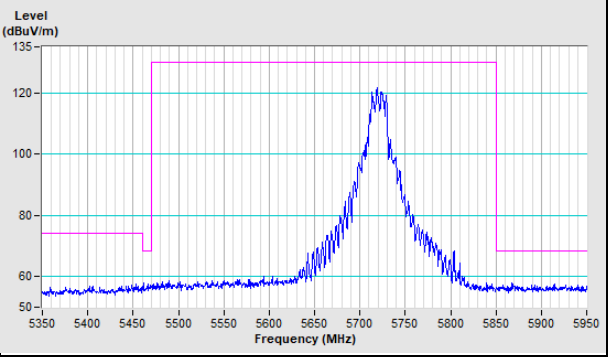


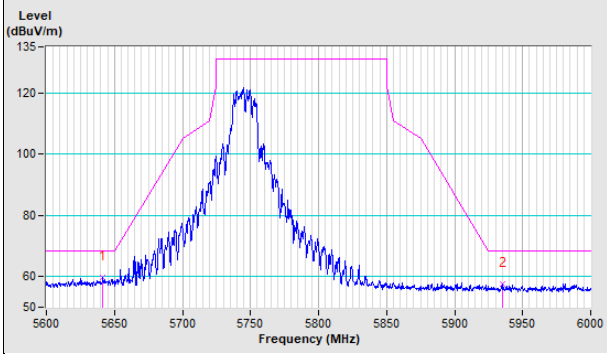
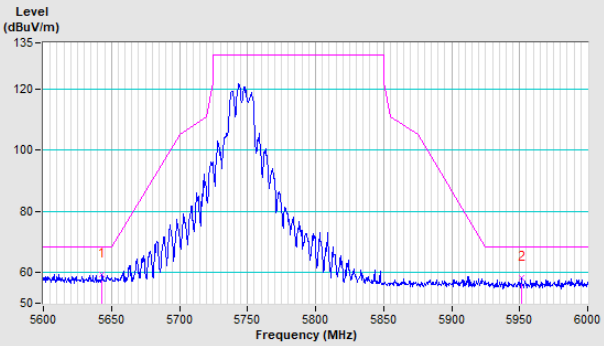
Vertical (Peak)

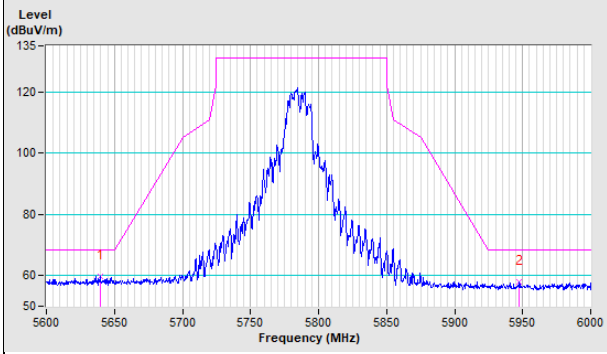
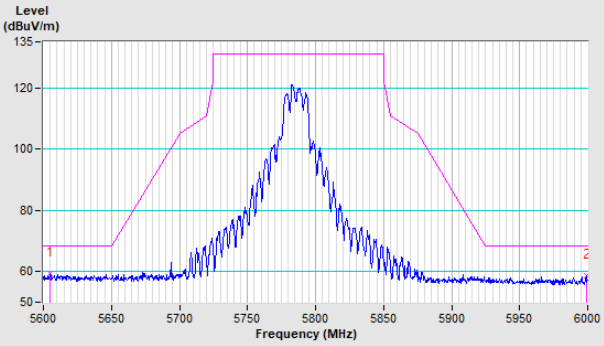


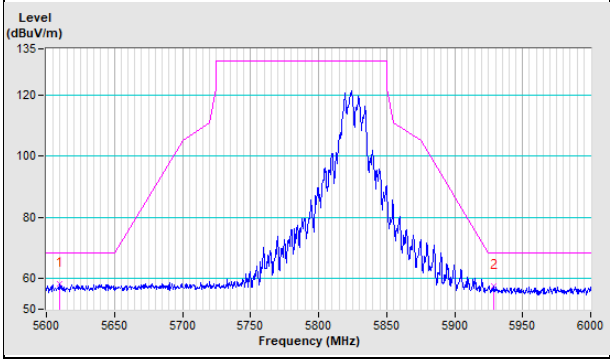
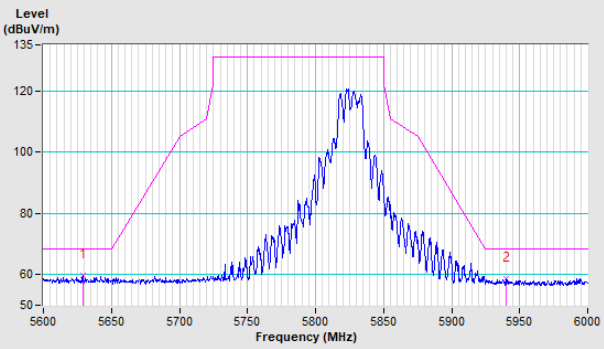
Vertical (Average)



802.11ax (HE20) Channel 100	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE20) Channel 140	
Horizontal (Peak)	Vertical (Peak)
	
802.11ax (HE20) Channel 144	
Horizontal (Peak)	Vertical (Peak)
	

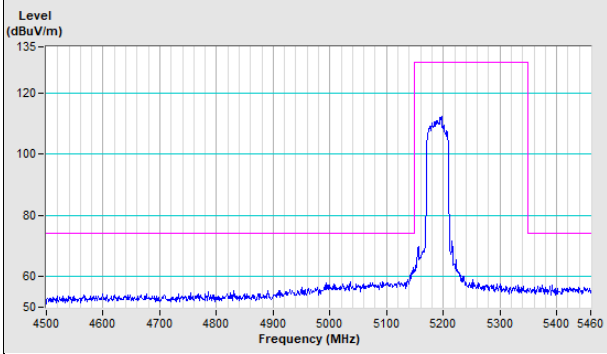
802.11ax (HE20) Channel 149	
Horizontal (Peak)	Vertical (Peak)
	

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

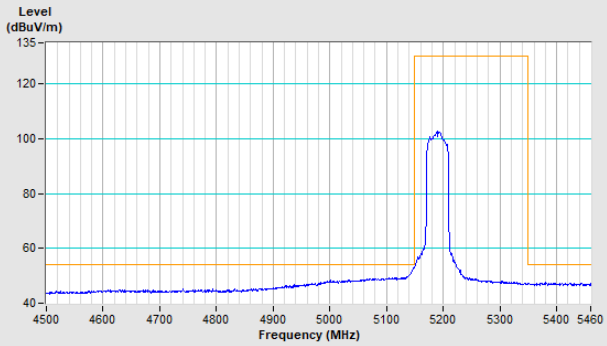
802.11ax (HE20) Channel 165	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE40) Channel 38

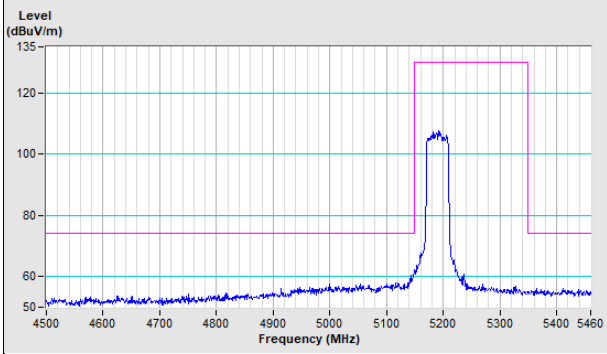
Horizontal (Peak)



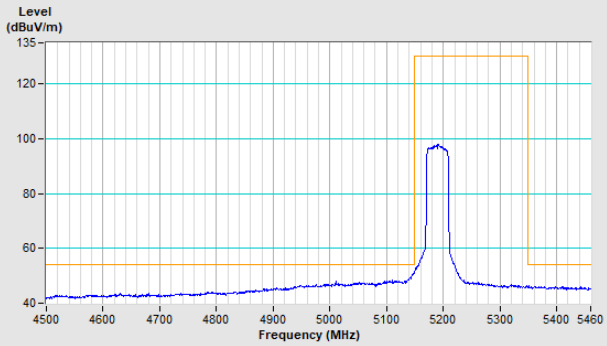
Horizontal (Average)



Vertical (Peak)

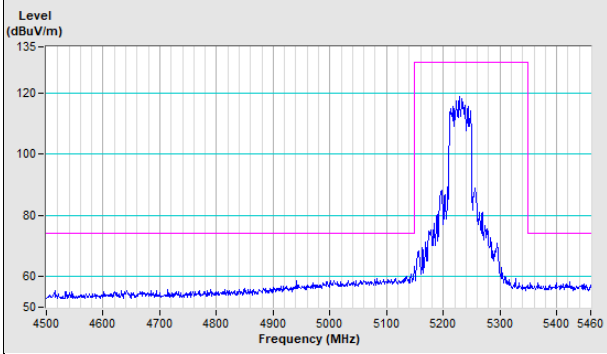


Vertical (Average)

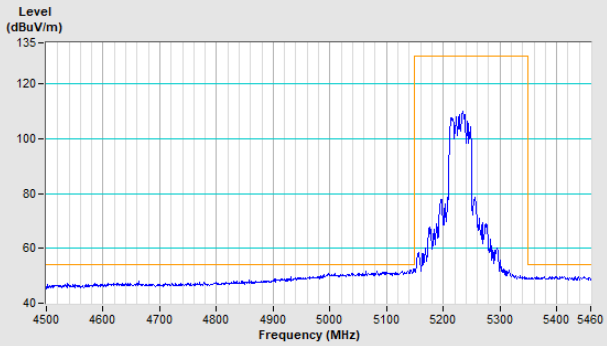


802.11ax (HE40) Channel 46

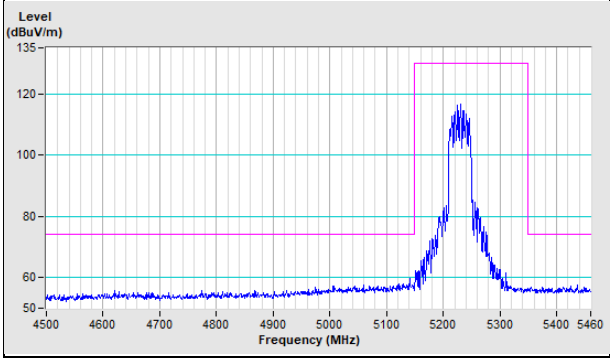
Horizontal (Peak)



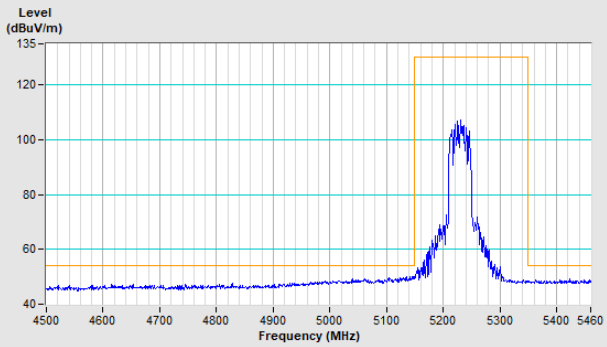
Horizontal (Average)



Vertical (Peak)

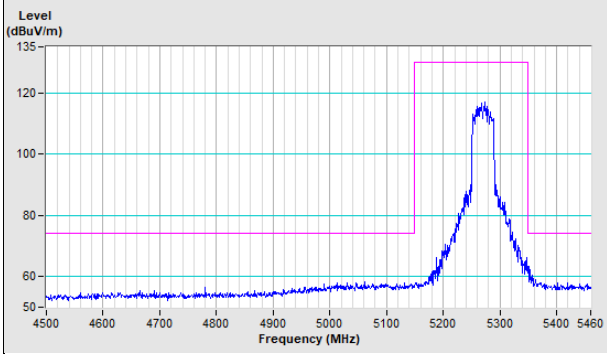


Vertical (Average)

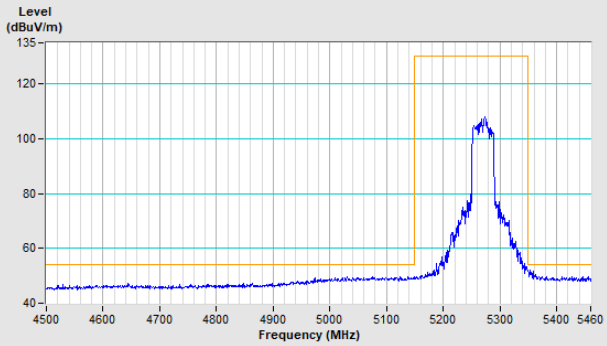


802.11ax (HE40) Channel 54

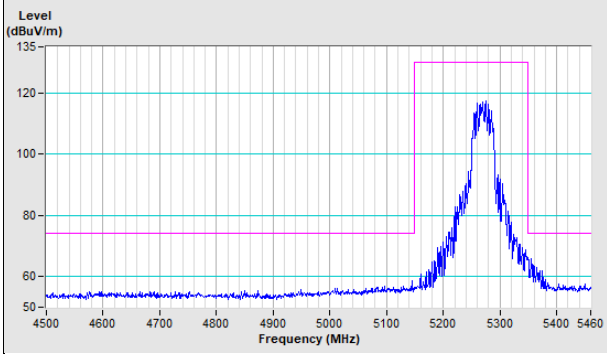
Horizontal (Peak)



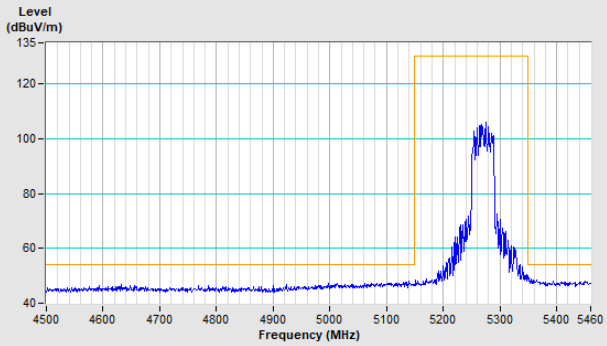
Horizontal (Average)



Vertical (Peak)

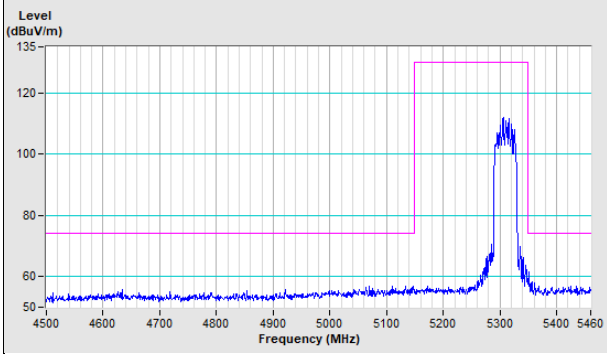


Vertical (Average)

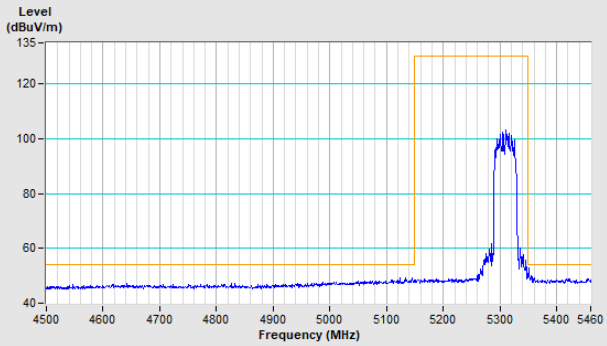


802.11ax (HE40) Channel 62

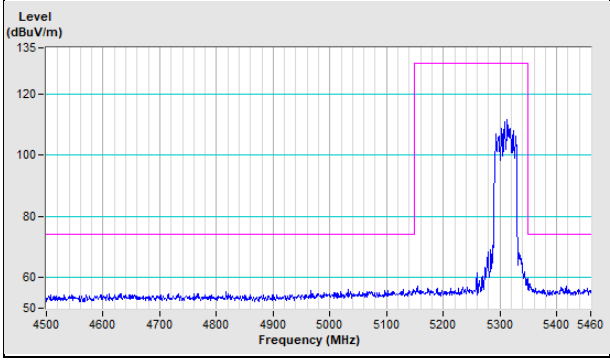
Horizontal (Peak)



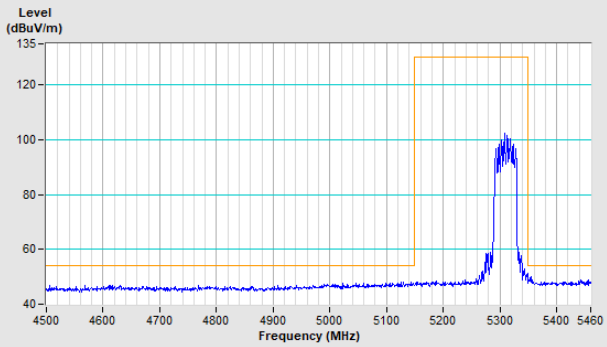
Horizontal (Average)

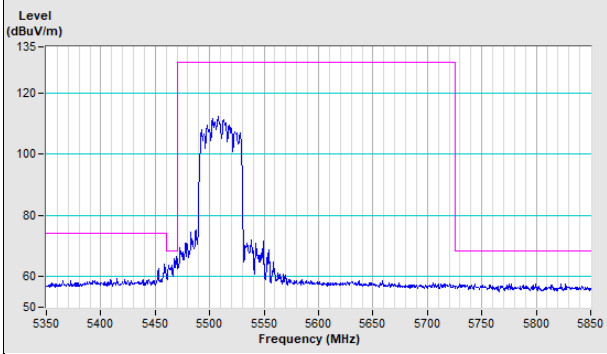
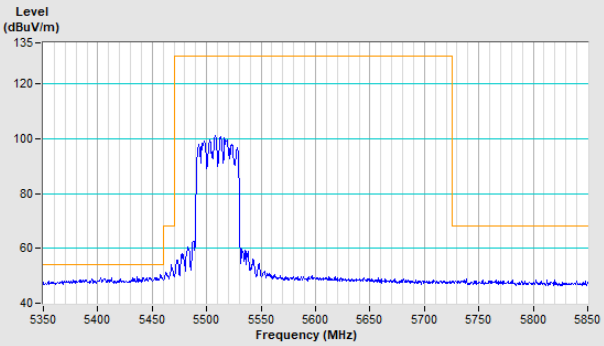
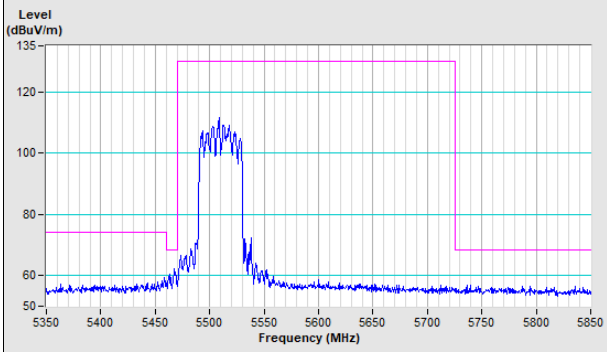
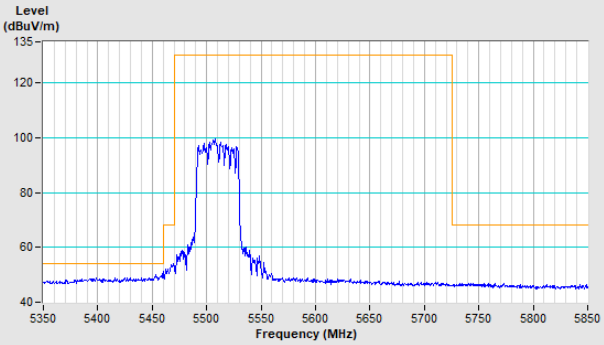
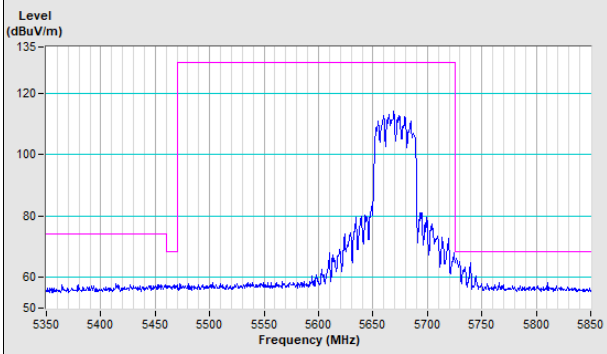
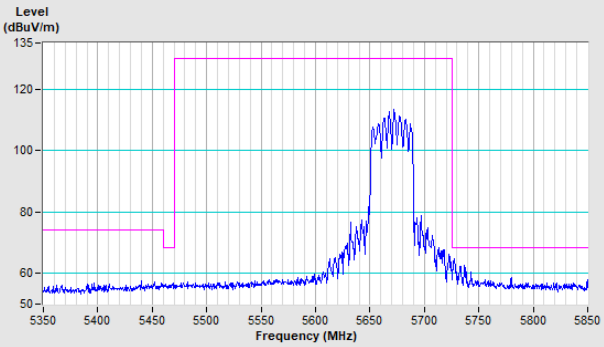
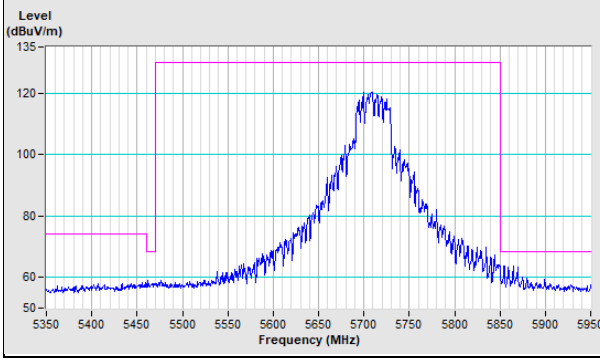
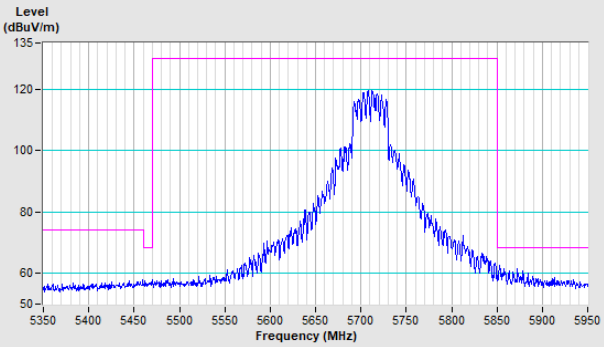


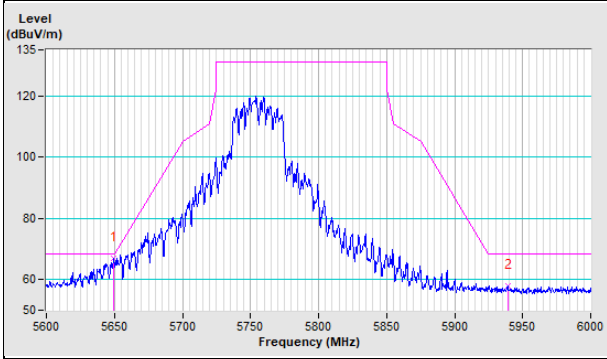
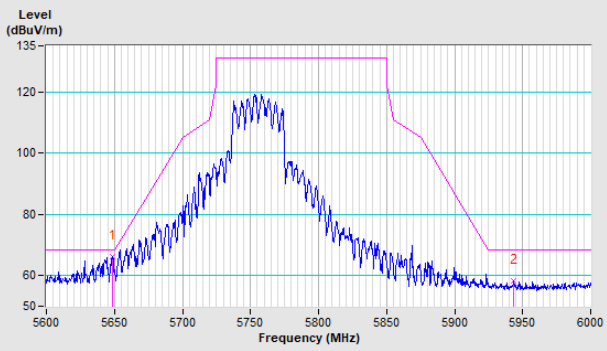
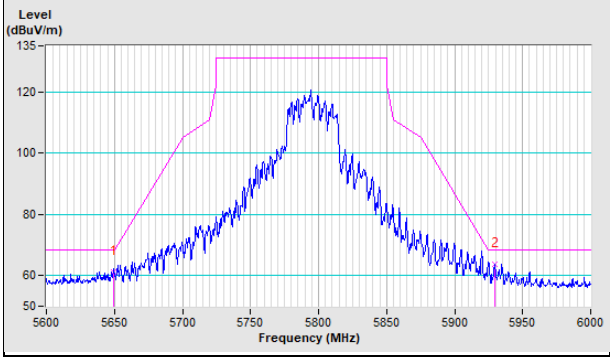
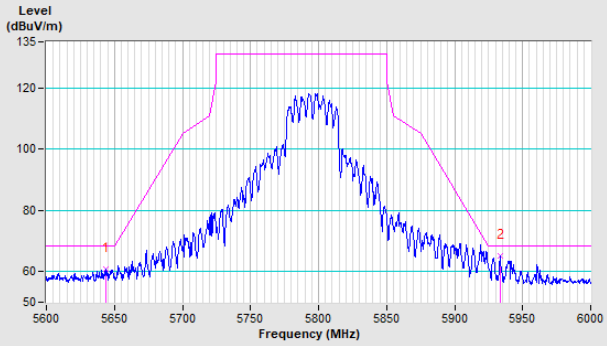
Vertical (Peak)



Vertical (Average)

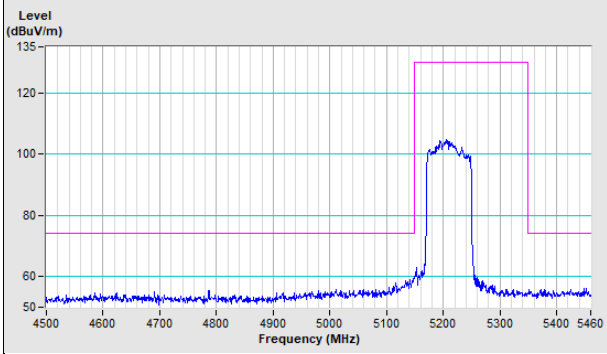


802.11ax (HE40) Channel 102	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	
802.11ax (HE40) Channel 134	
Horizontal (Peak)	Vertical (Peak)
	
802.11ax (HE40) Channel 142	
Horizontal (Peak)	Vertical (Peak)
	

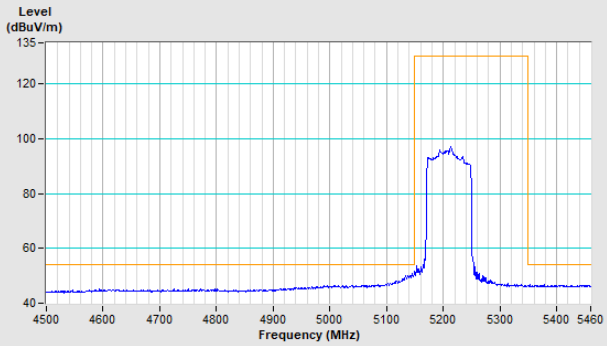
802.11ax (HE40) Channel 151	
Horizontal (Peak)	Vertical (Peak)
	
802.11ax (HE40) Channel 159	
Horizontal (Peak)	Vertical (Peak)
	

802.11ax (HE80) Channel 42

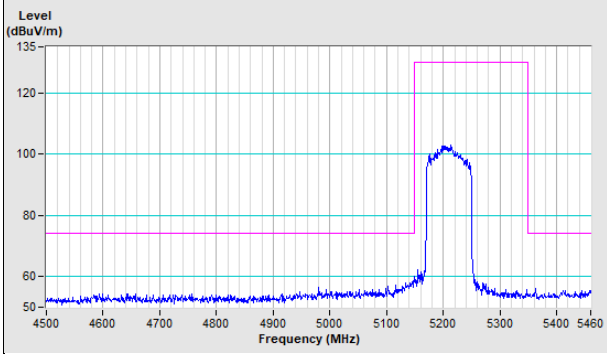
Horizontal (Peak)



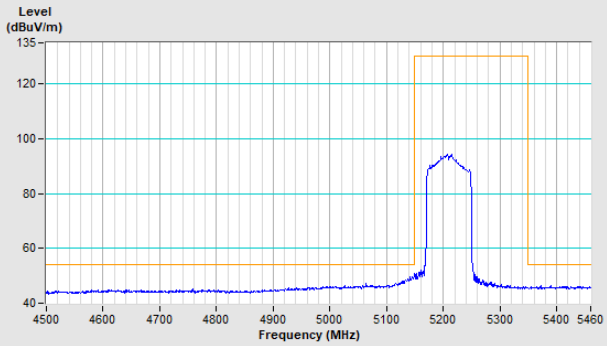
Horizontal (Average)



Vertical (Peak)

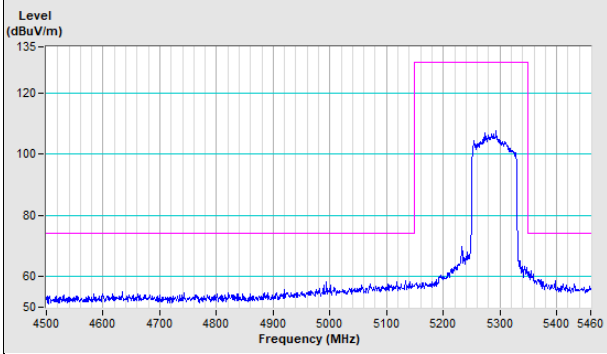


Vertical (Average)

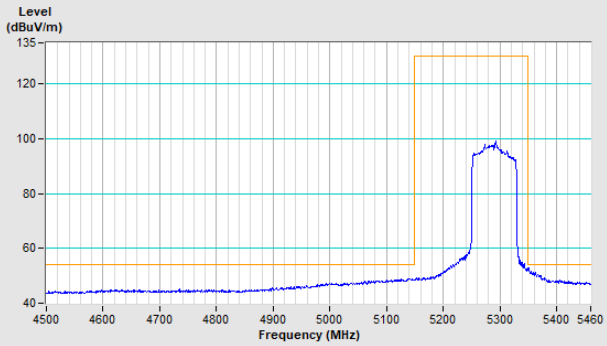


802.11ax (HE80) Channel 58

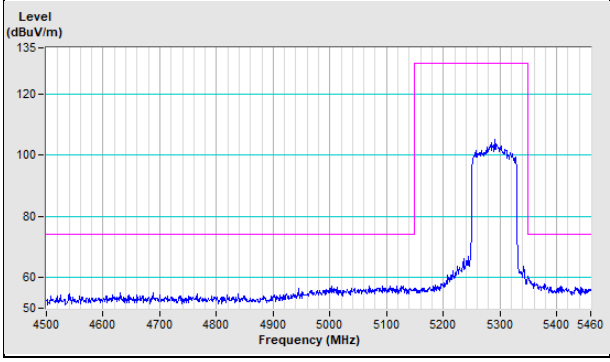
Horizontal (Peak)



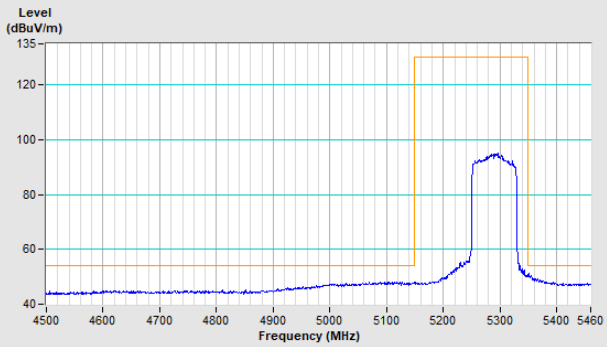
Horizontal (Average)



Vertical (Peak)

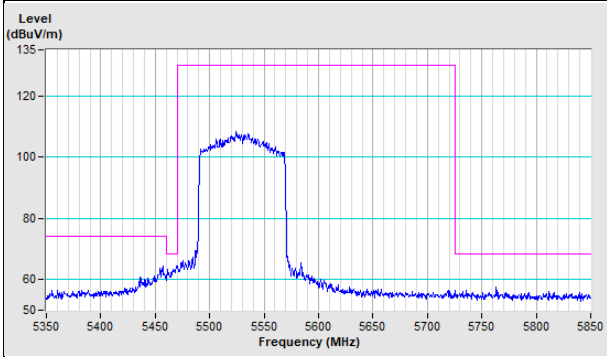


Vertical (Average)

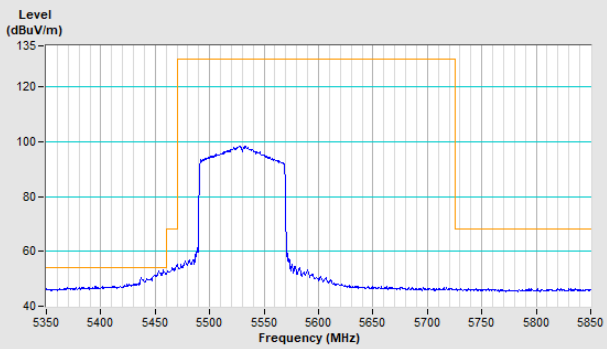


802.11ax (HE80) Channel 106

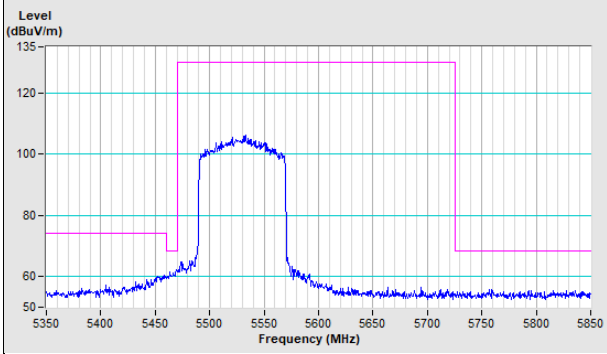
Horizontal (Peak)



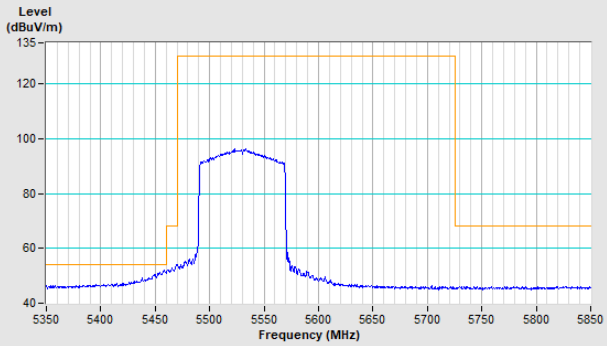
Horizontal (Average)



Vertical (Peak)

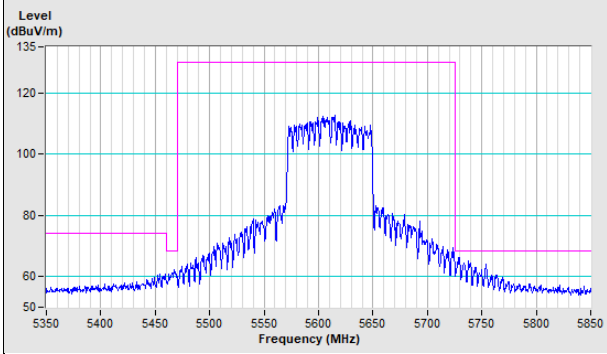


Vertical (Average)

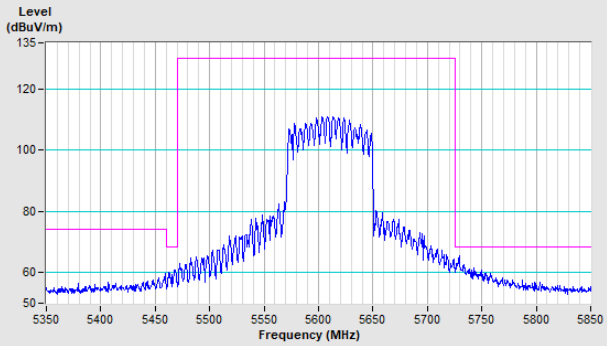


802.11ax (HE80) Channel 122

Horizontal (Peak)

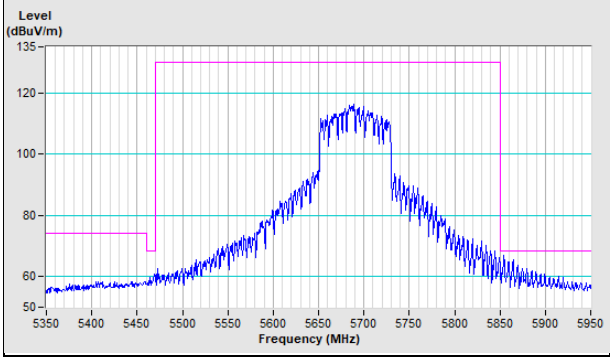


Vertical (Peak)

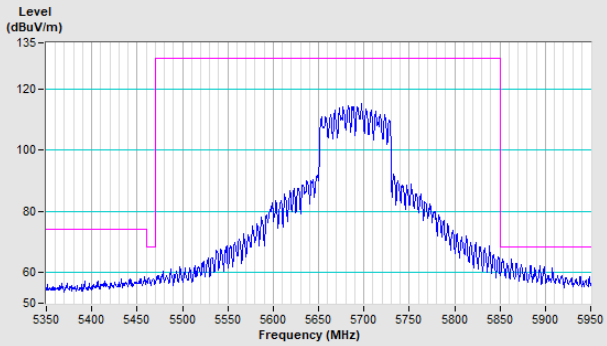


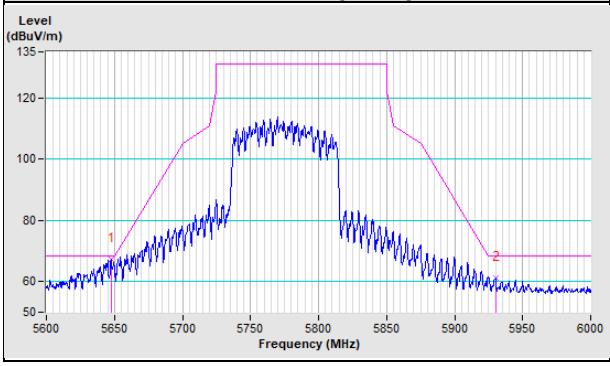
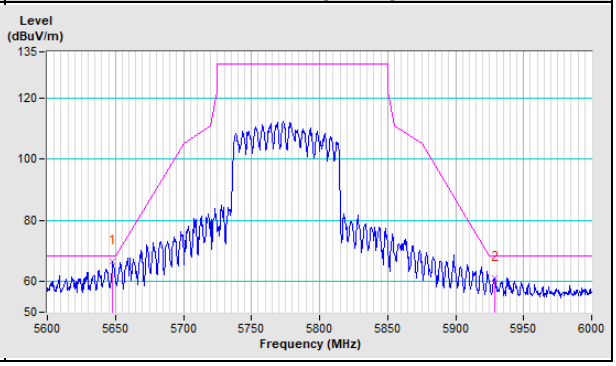
802.11ax (HE80) Channel 138

Horizontal (Peak)

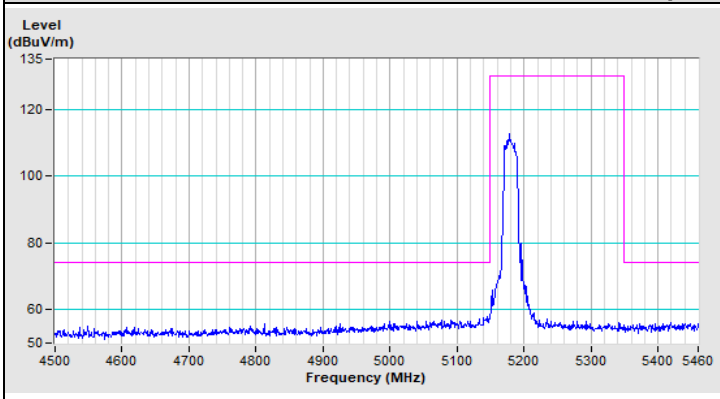
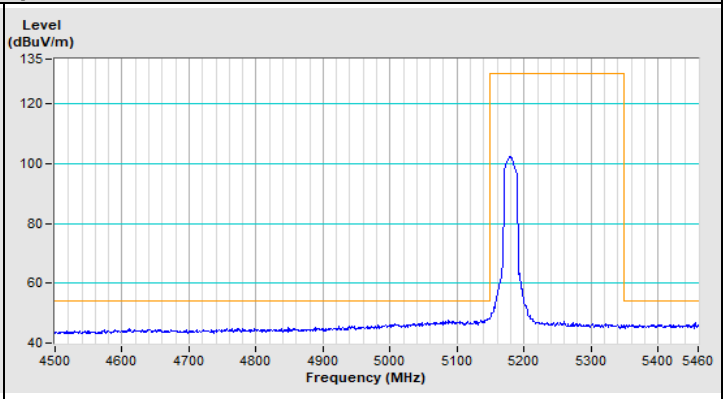
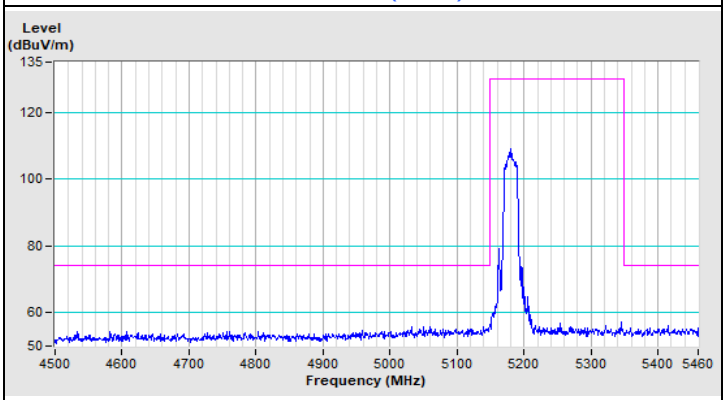
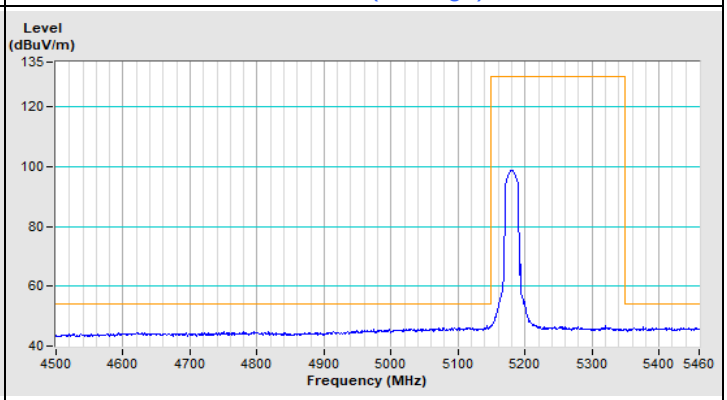


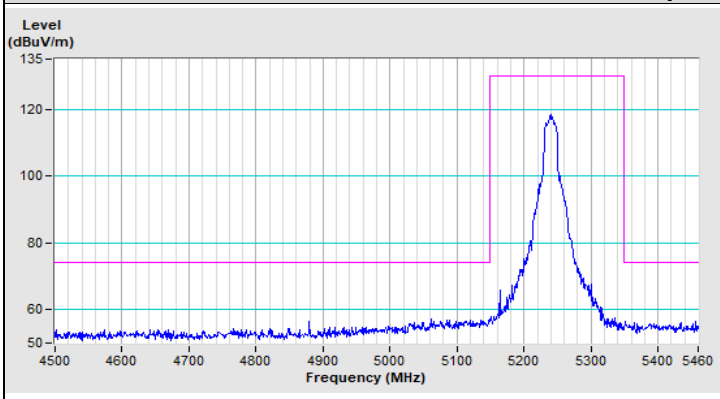
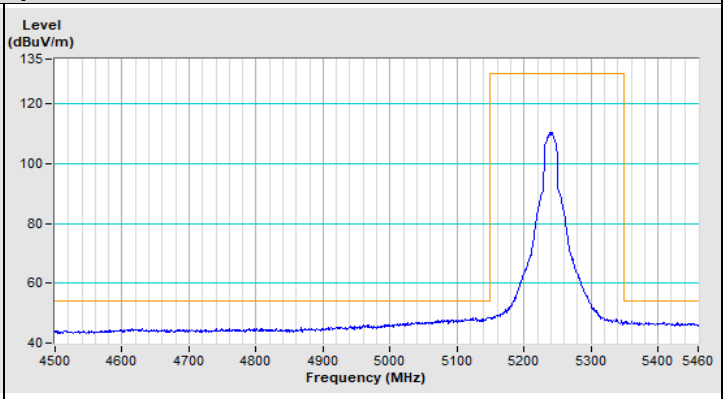
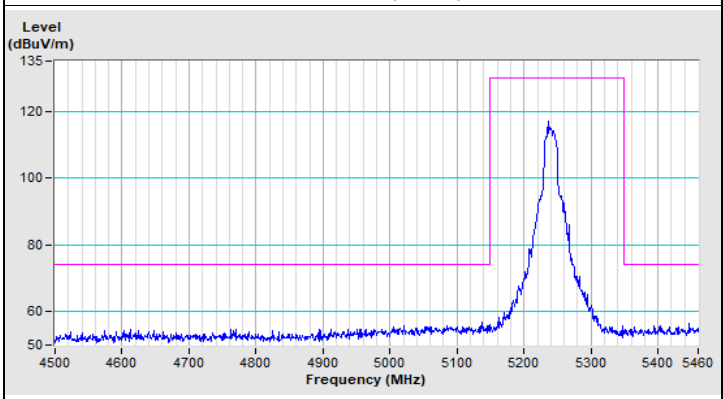
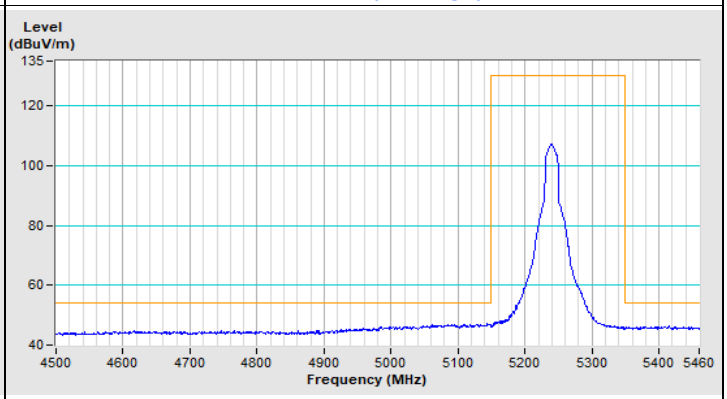
Vertical (Peak)



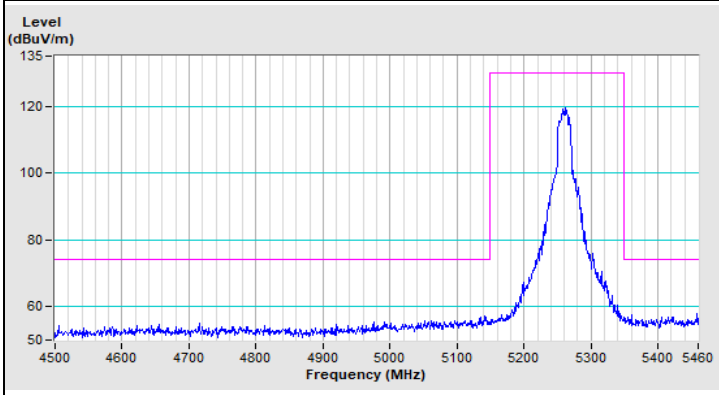
802.11ax (HE80) Channel 155	
Horizontal (Peak)	**Vertical (Peak)**
	

Plot of Band Edge_Beamforming Mode

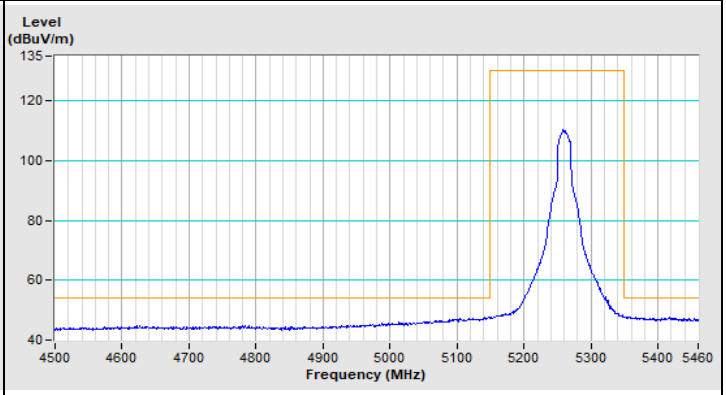
802.11ax (HE20) Channel 36	
	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)

802.11ax (HE20) Channel 48	
	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)

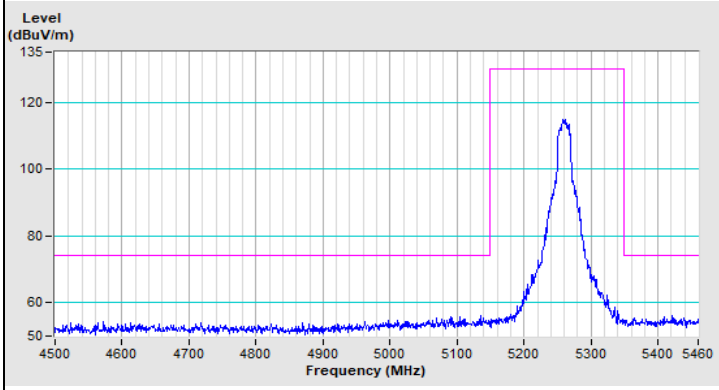
802.11ax (HE20) Channel 52



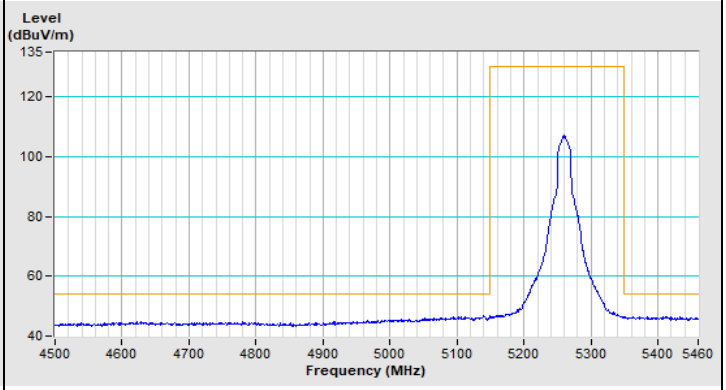
Horizontal (Peak)



Horizontal (Average)

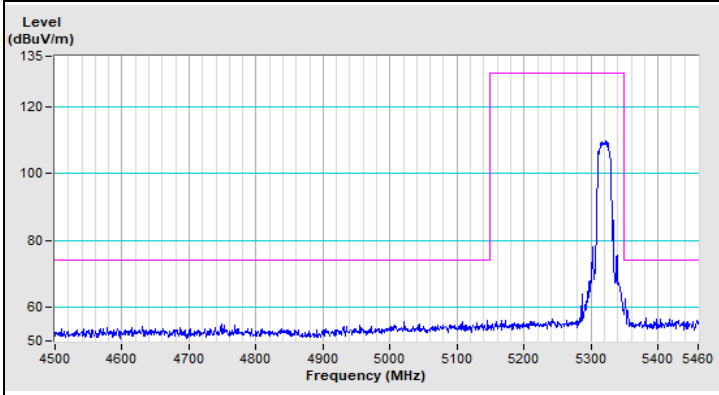


Vertical (Peak)

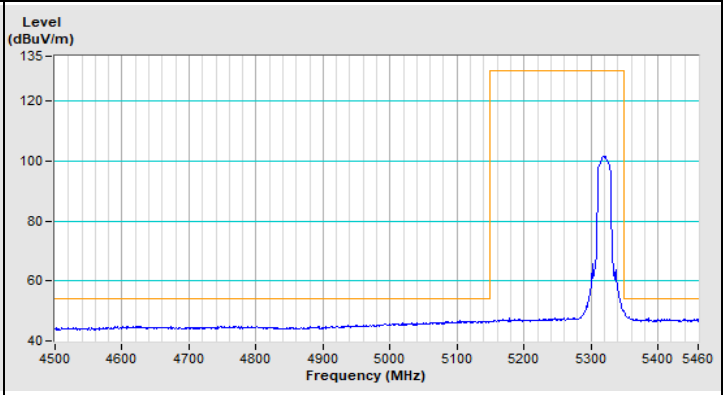


Vertical (Average)

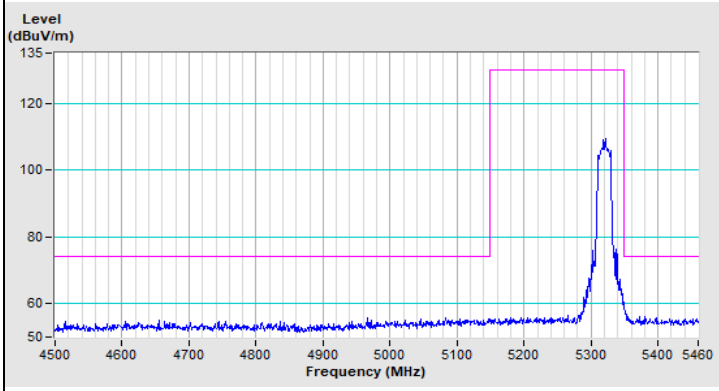
802.11ax (HE20) Channel 64



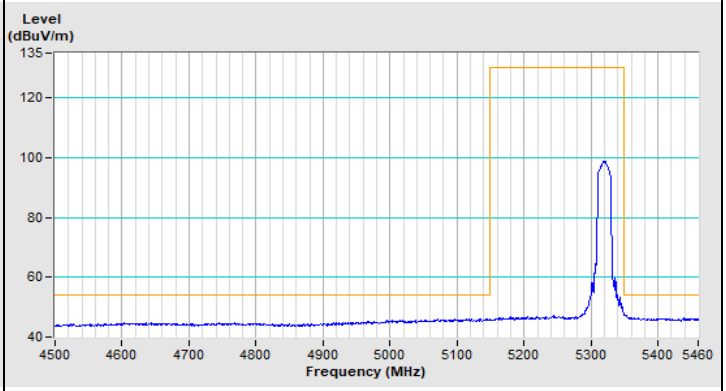
Horizontal (Peak)



Horizontal (Average)

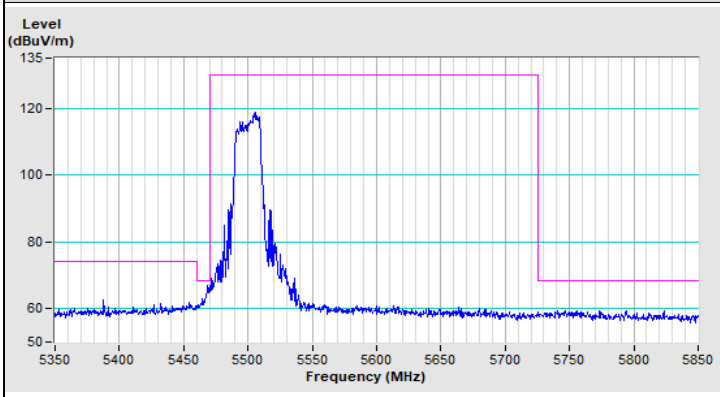


Vertical (Peak)

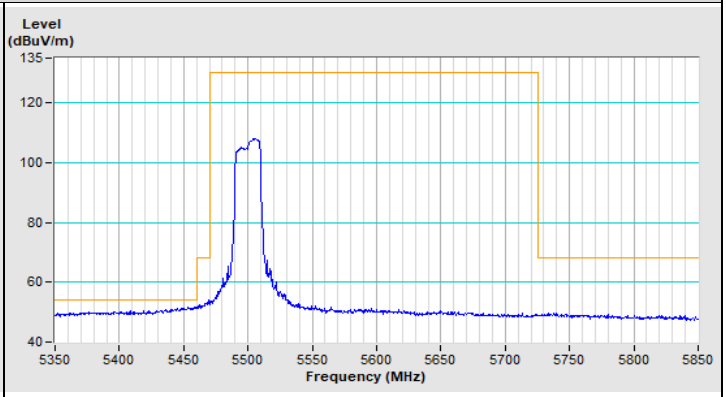


Vertical (Average)

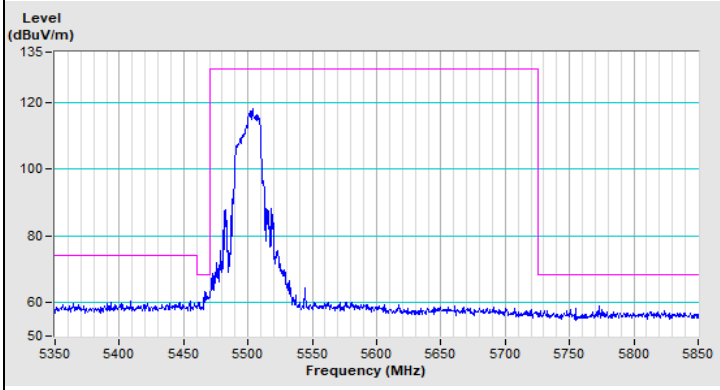
802.11ax (HE20) Channel 100



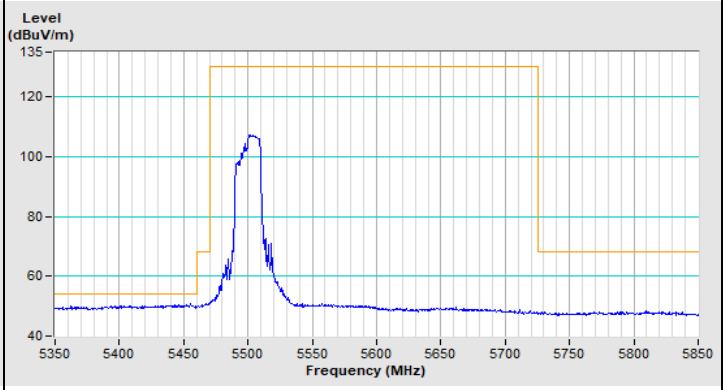
Horizontal (Peak)



Horizontal (Average)

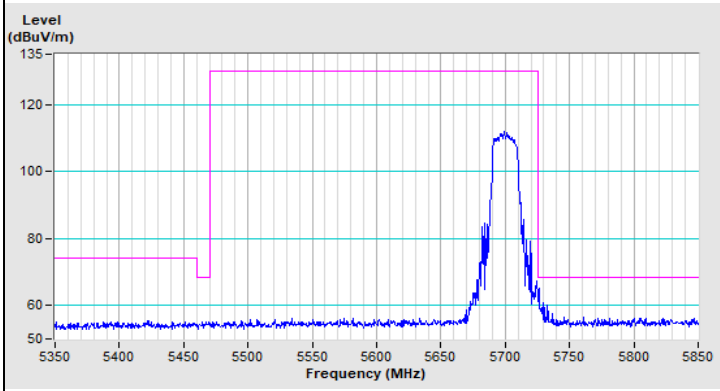


Vertical (Peak)

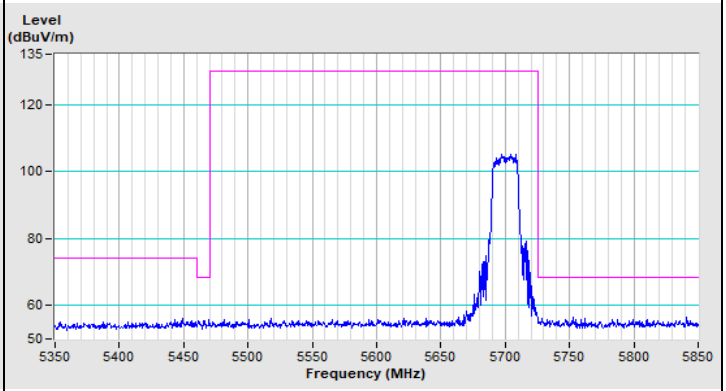


Vertical (Average)

802.11ax (HE20) Channel 140

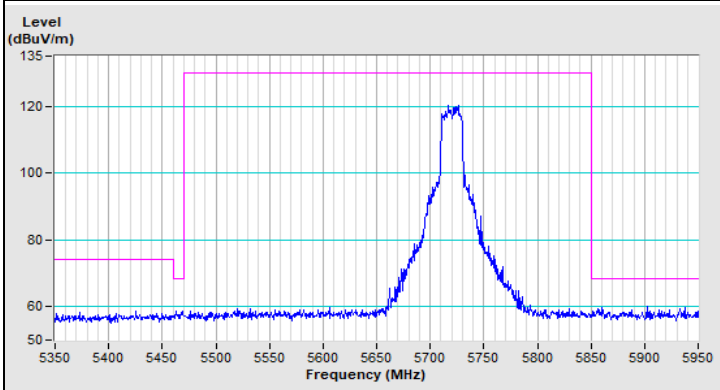


Horizontal (Peak)

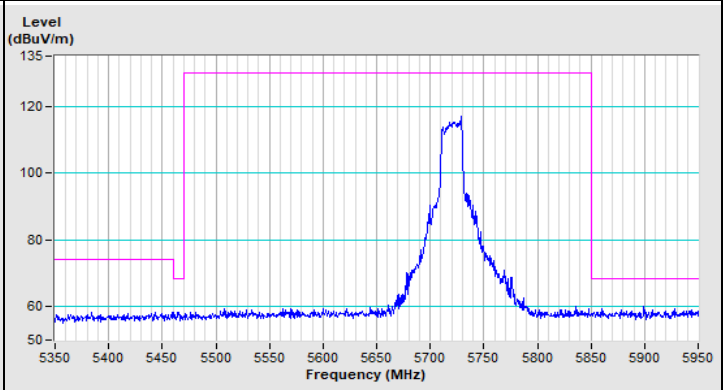


Vertical (Peak)

802.11ax (HE20) Channel 144

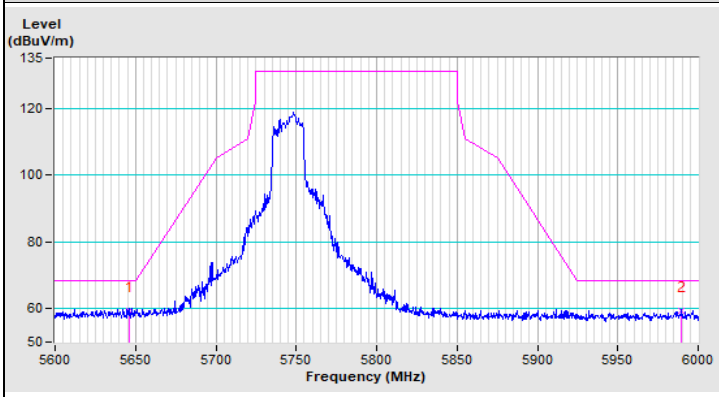


Horizontal (Peak)

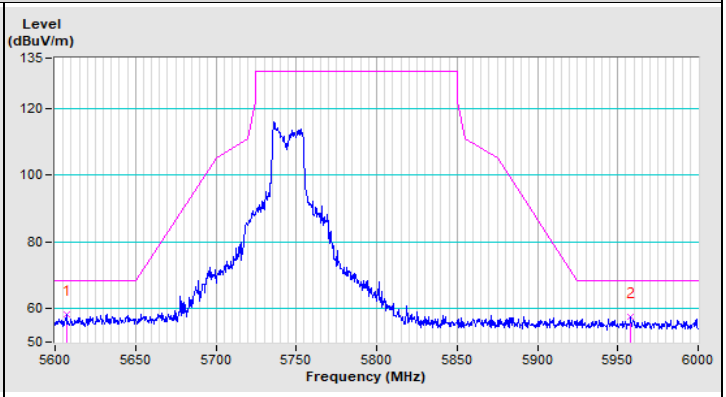


Vertical (Peak)

802.11ax (HE20) Channel 149

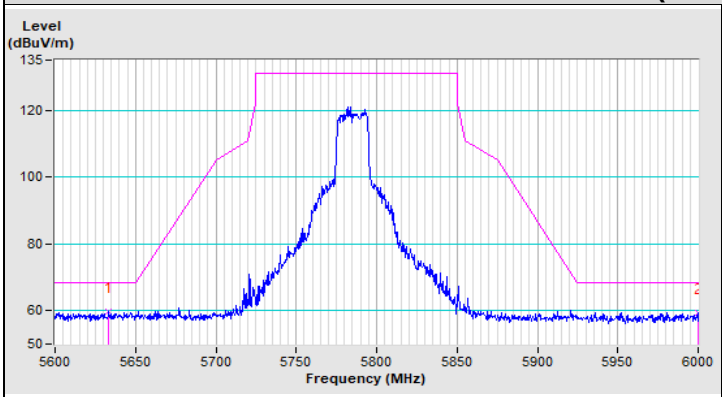


Horizontal (Peak)

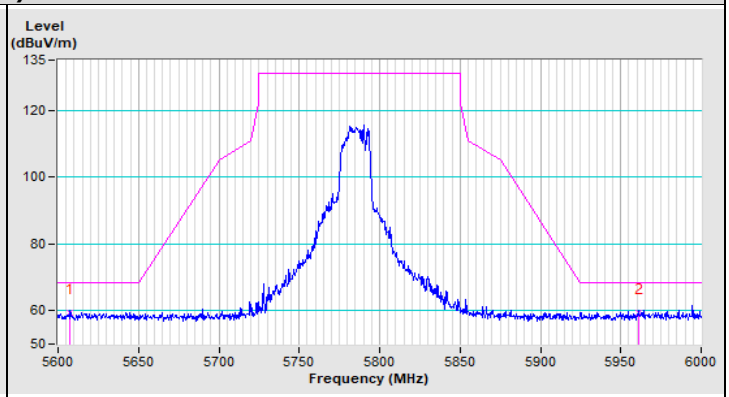


Vertical (Peak)

802.11ax (HE20) Channel 157

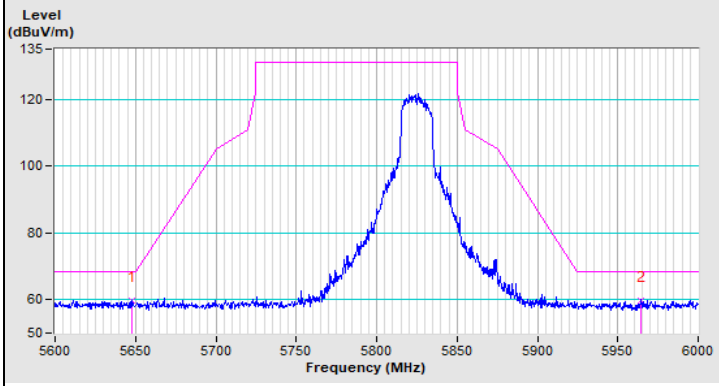


Horizontal (Peak)

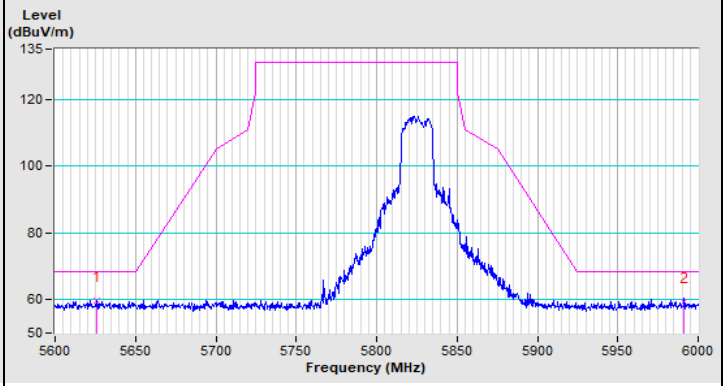


Vertical (Peak)

802.11ax (HE20) Channel 165

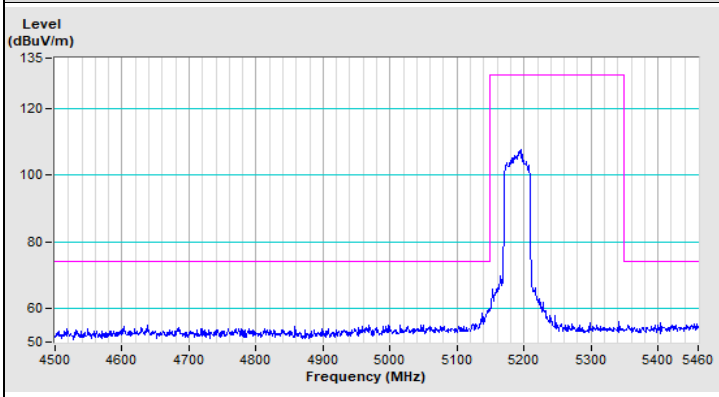


Horizontal (Peak)

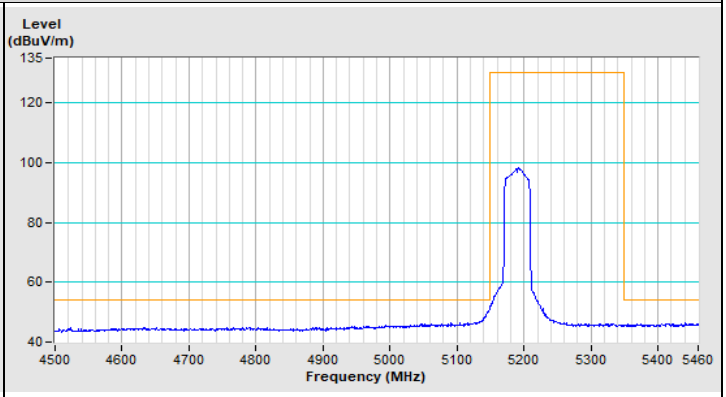


Vertical (Peak)

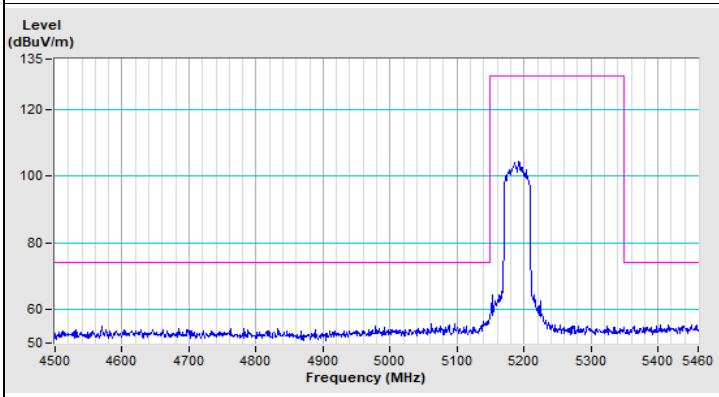
802.11ax (HE40) Channel 38



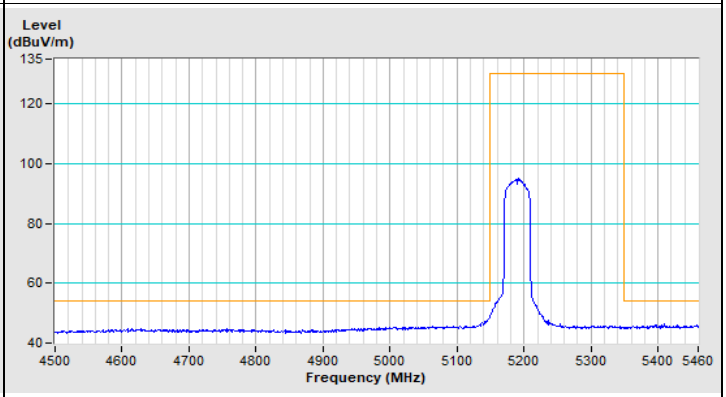
Horizontal (Peak)



Horizontal (Average)

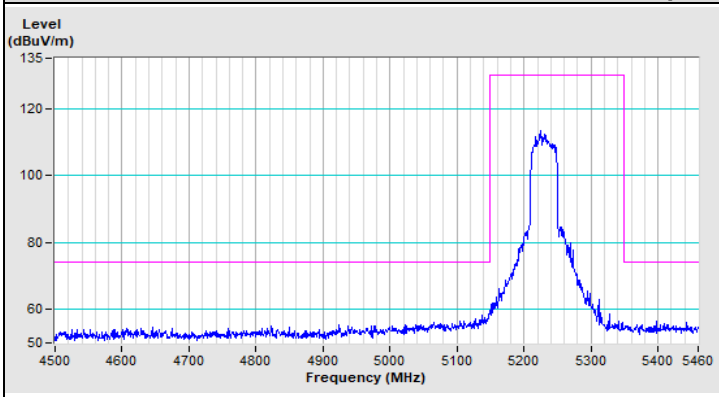


Vertical (Peak)

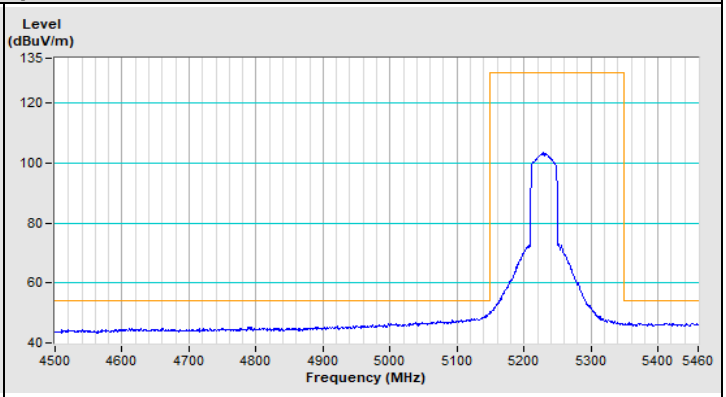


Vertical (Average)

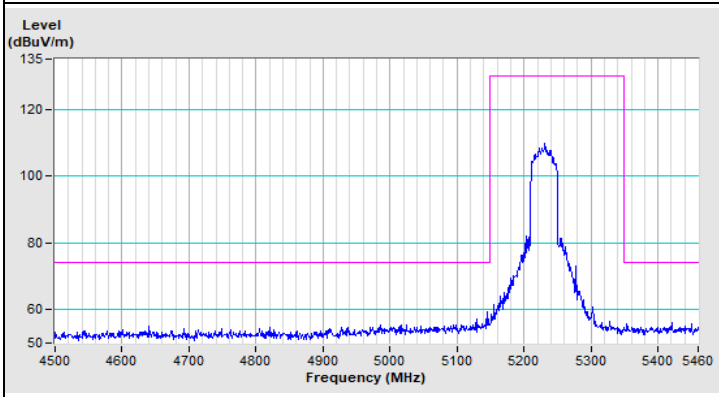
802.11ax (HE40) Channel 46



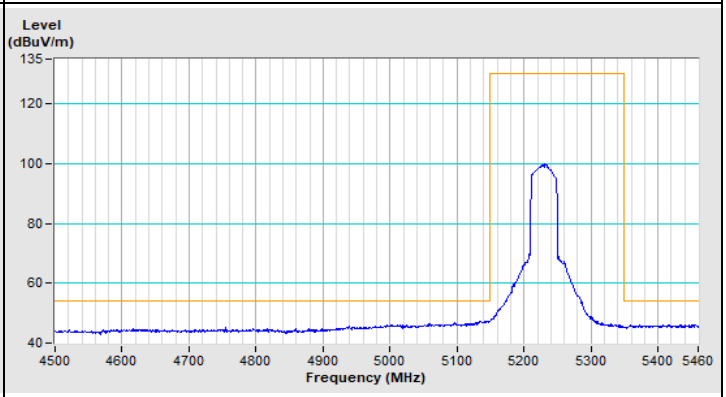
Horizontal (Peak)



Horizontal (Average)

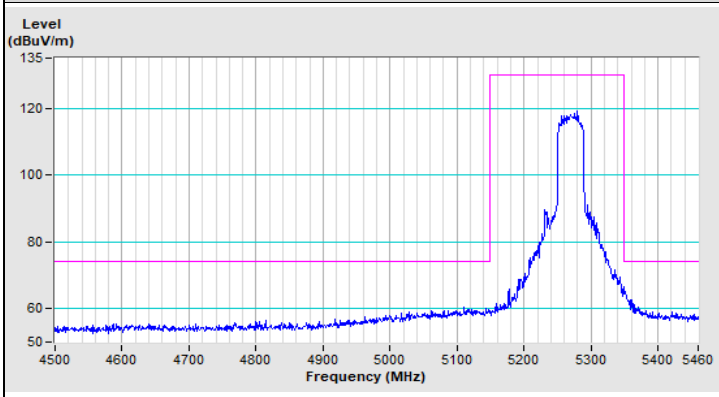


Vertical (Peak)

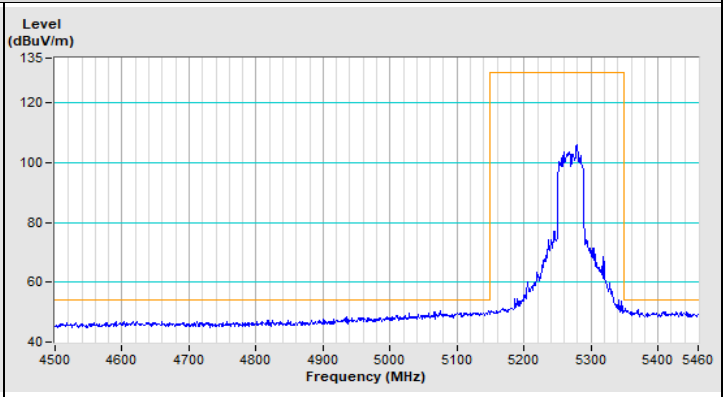


Vertical (Average)

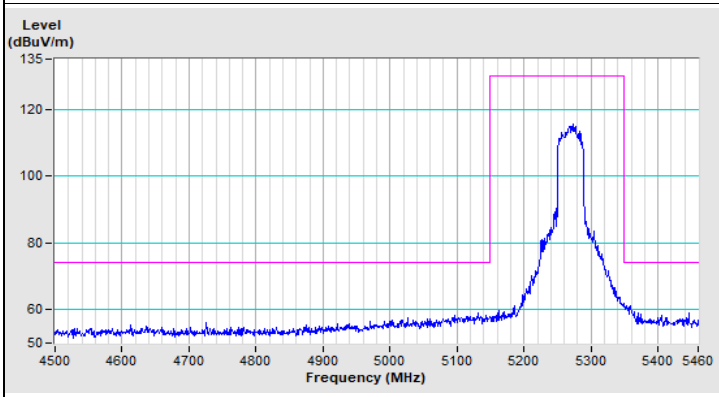
802.11ax (HE40) Channel 54



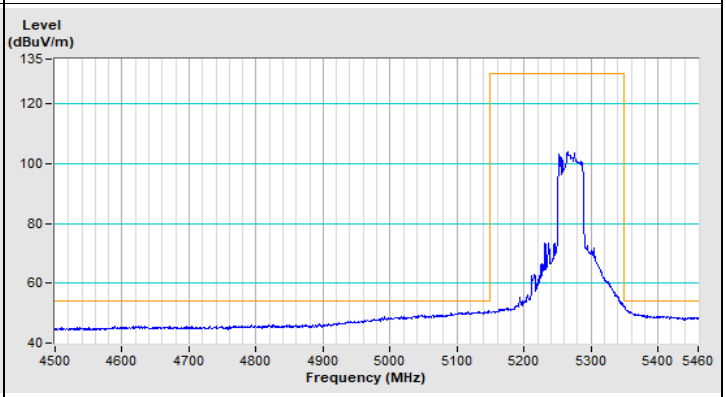
Horizontal (Peak)



Horizontal (Average)

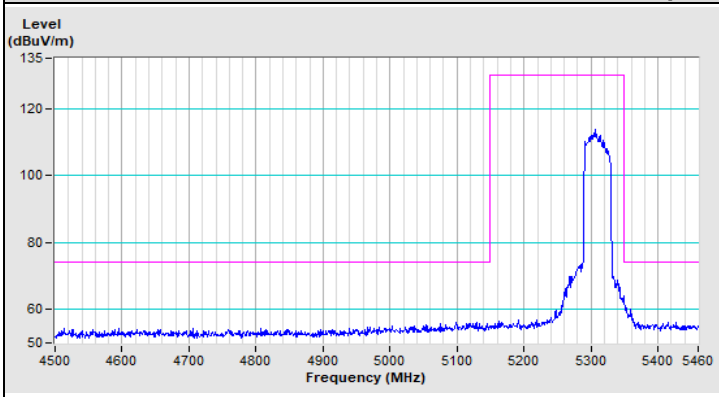


Vertical (Peak)

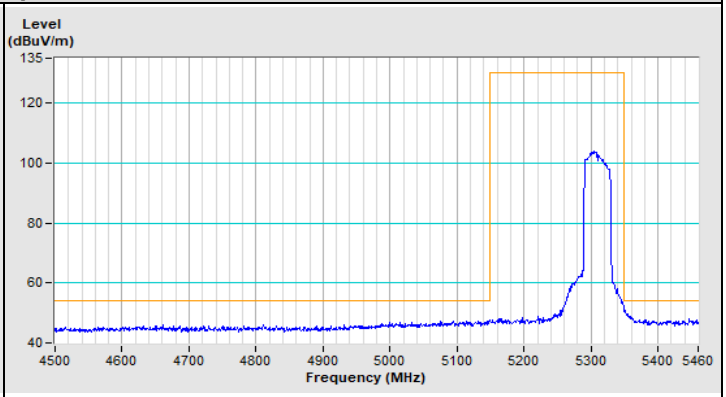


Vertical (Average)

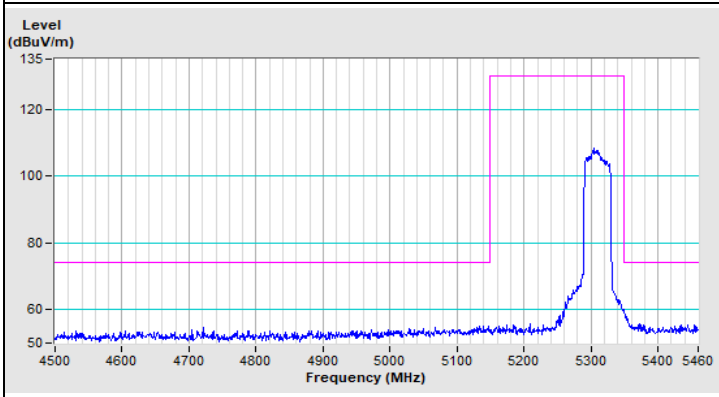
802.11ax (HE40) Channel 62



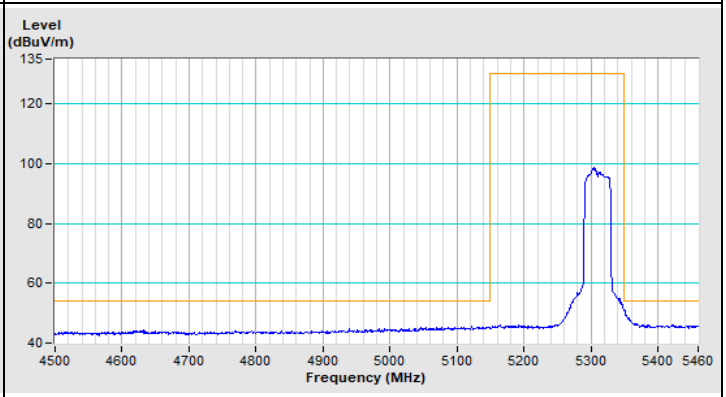
Horizontal (Peak)



Horizontal (Average)

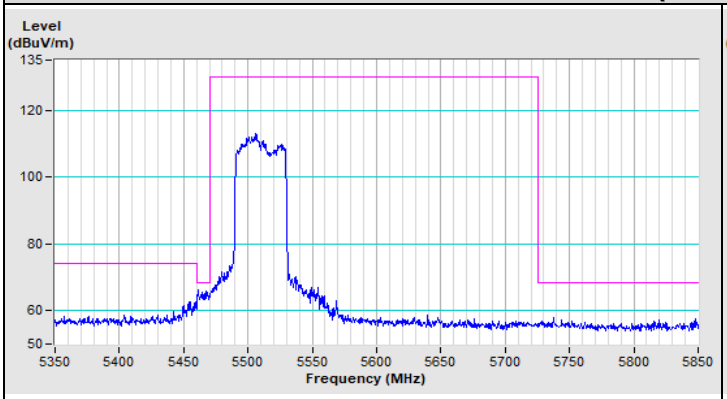


Vertical (Peak)

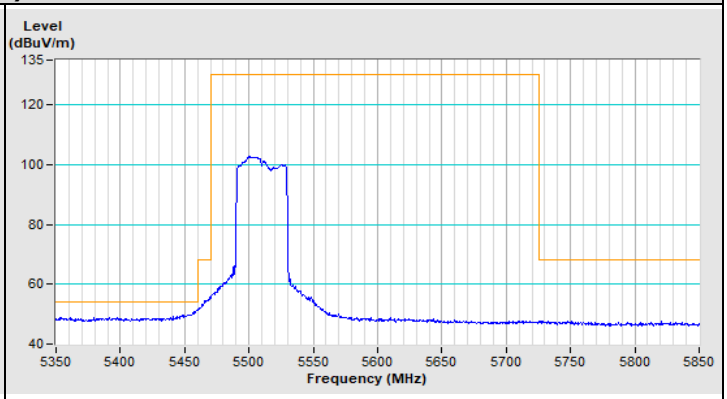


Vertical (Average)

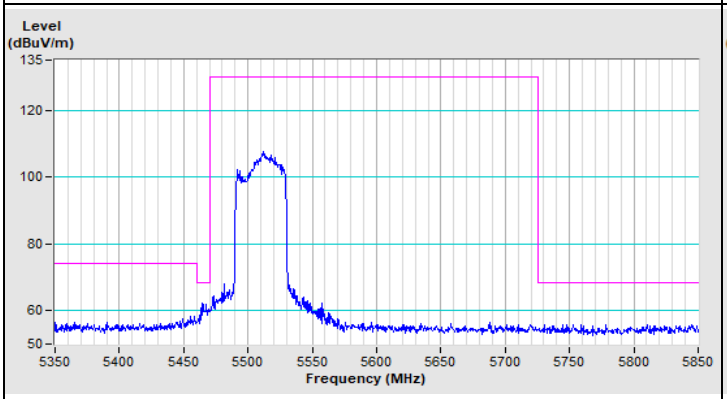
802.11ax (HE40) Channel 102



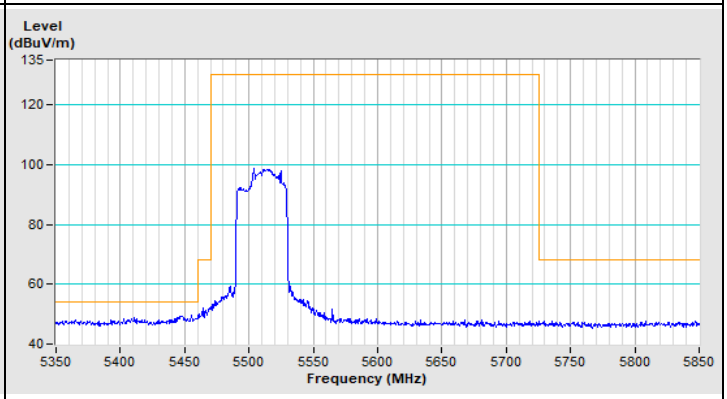
Horizontal (Peak)



Horizontal (Average)

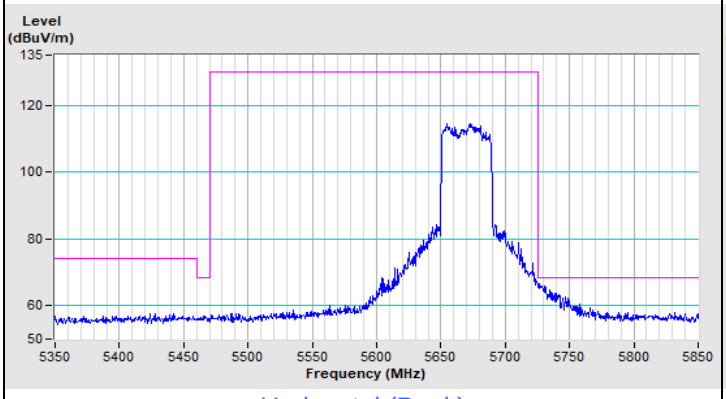


Vertical (Peak)

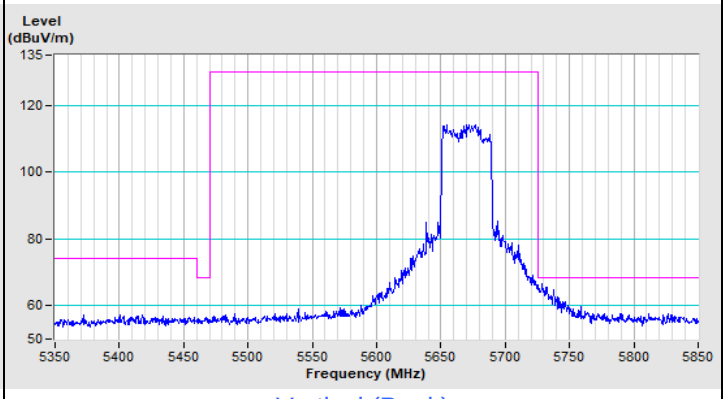


Vertical (Average)

802.11ax (HE40) Channel 134

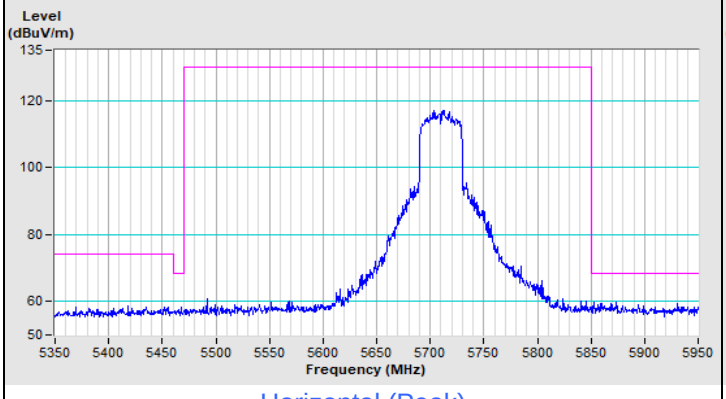


Horizontal (Peak)

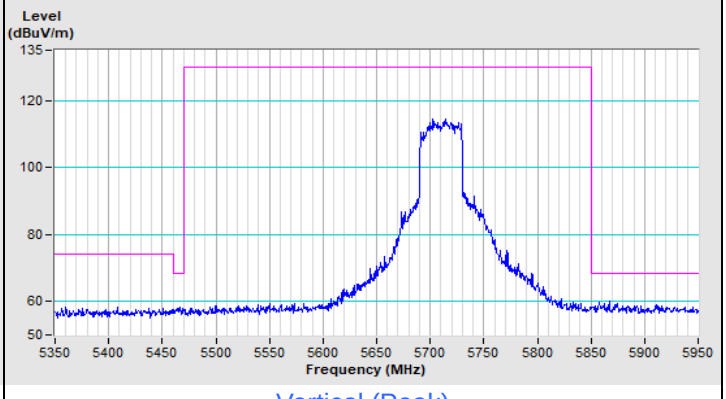


Vertical (Peak)

802.11ax (HE40) Channel 142

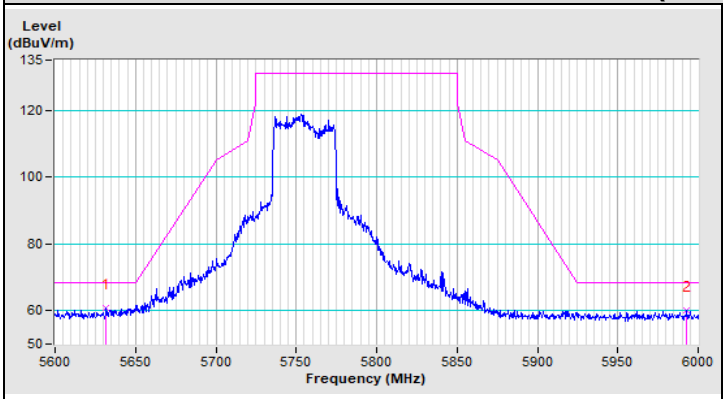


Horizontal (Peak)

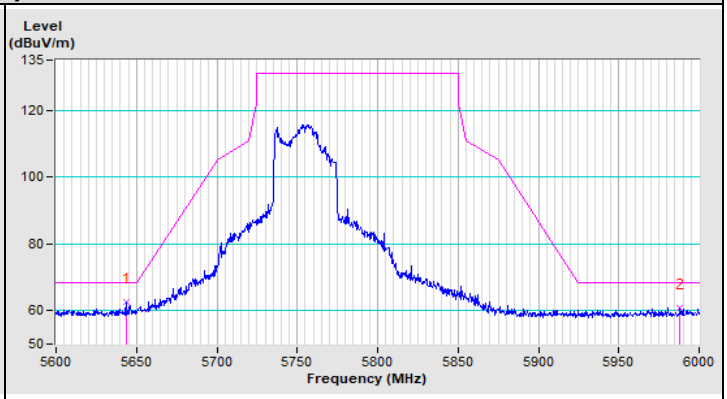


Vertical (Peak)

802.11ax (HE40) Channel 151

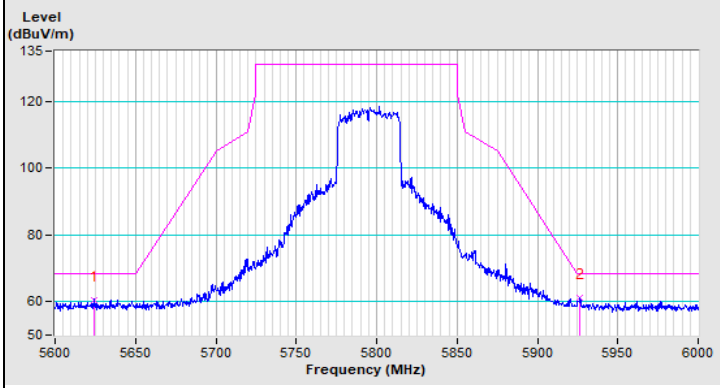


Horizontal (Peak)

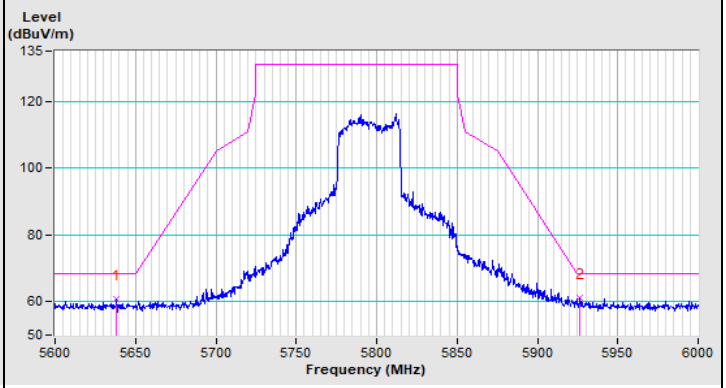


Vertical (Peak)

802.11ax (HE40) Channel 159

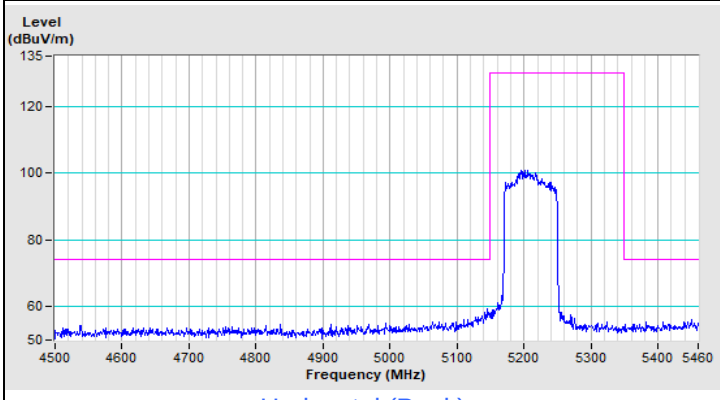


Horizontal (Peak)

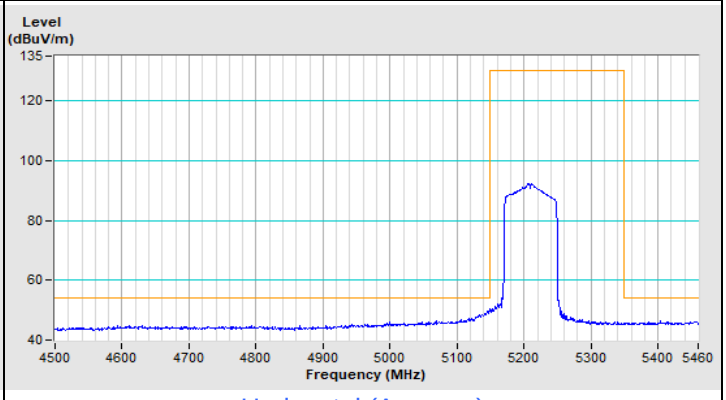


Vertical (Peak)

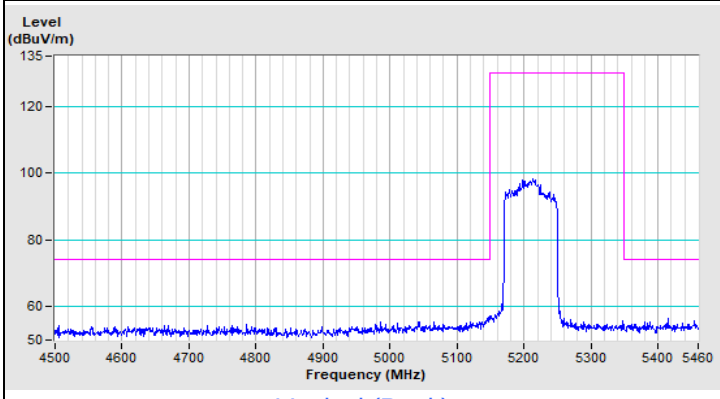
802.11ax (HE80) Channel 42



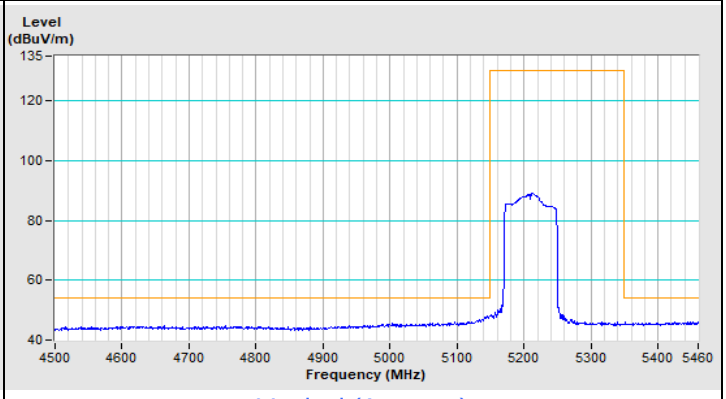
Horizontal (Peak)



Horizontal (Average)

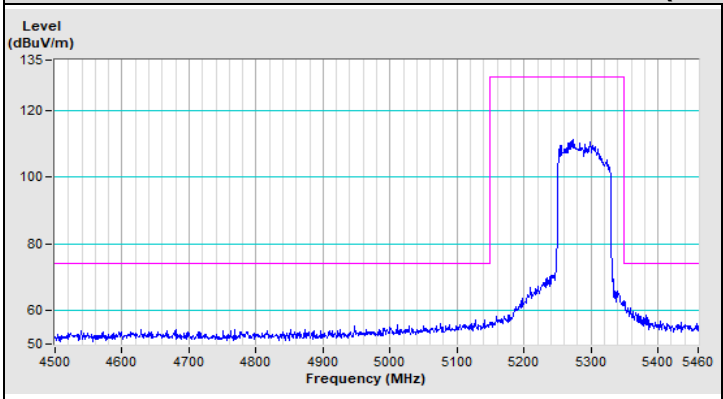


Vertical (Peak)

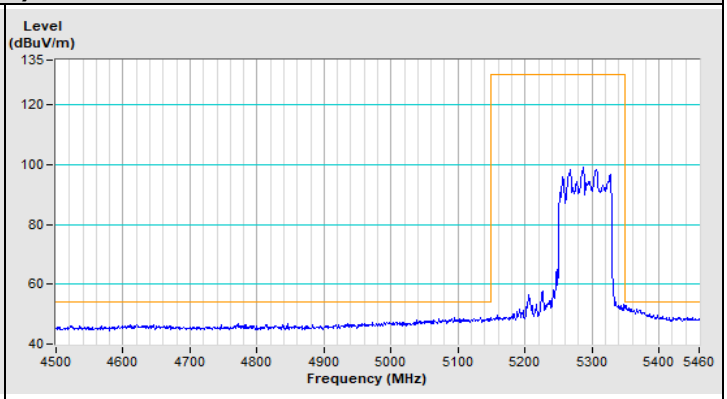


Vertical (Average)

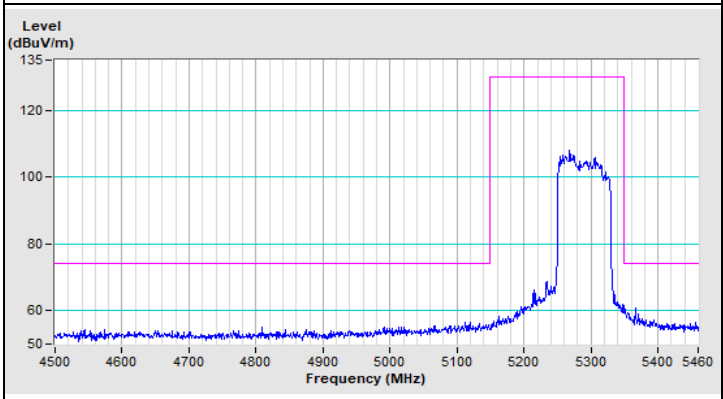
802.11ax (HE80) Channel 58



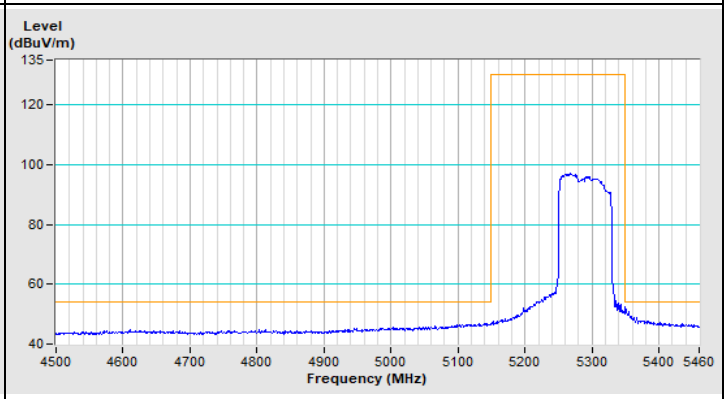
Horizontal (Peak)



Horizontal (Average)

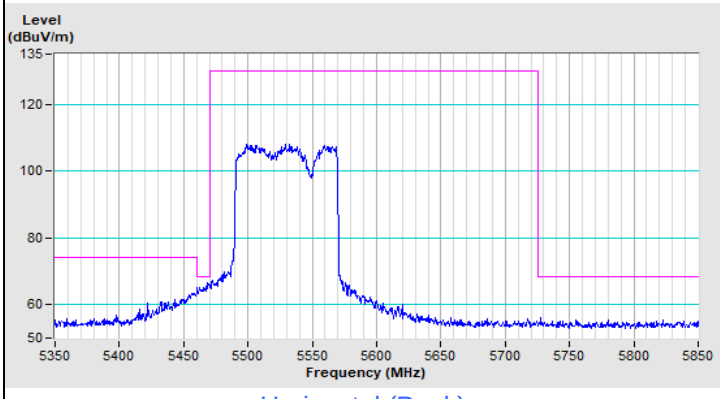


Vertical (Peak)

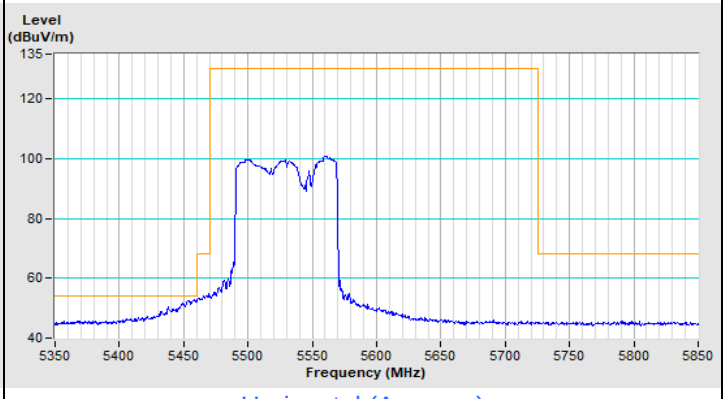


Vertical (Average)

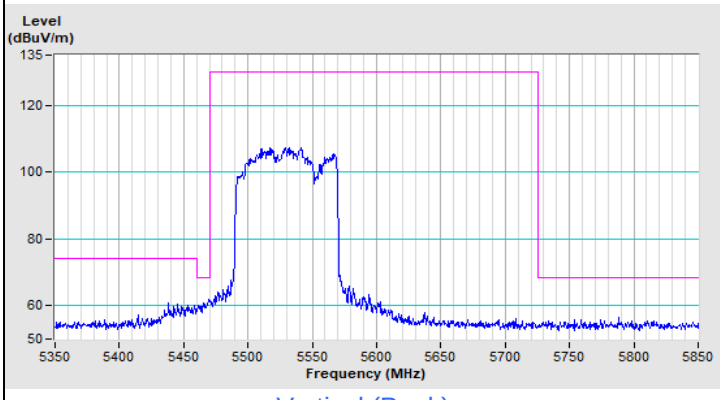
802.11ax (HE80) Channel 106



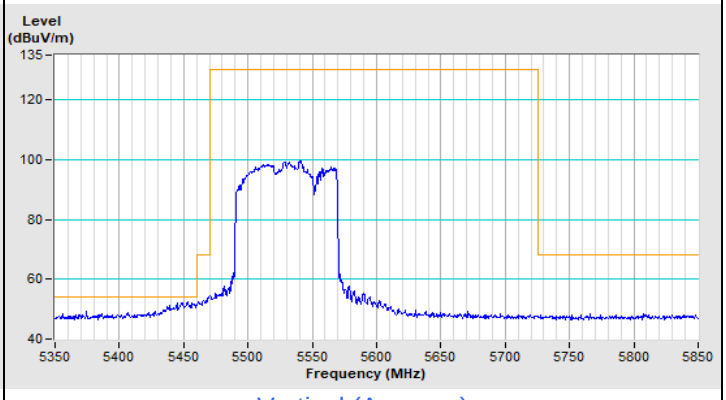
Horizontal (Peak)



Horizontal (Average)

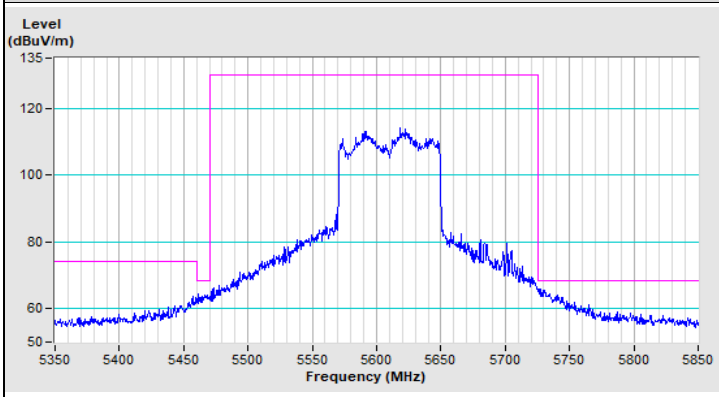


Vertical (Peak)

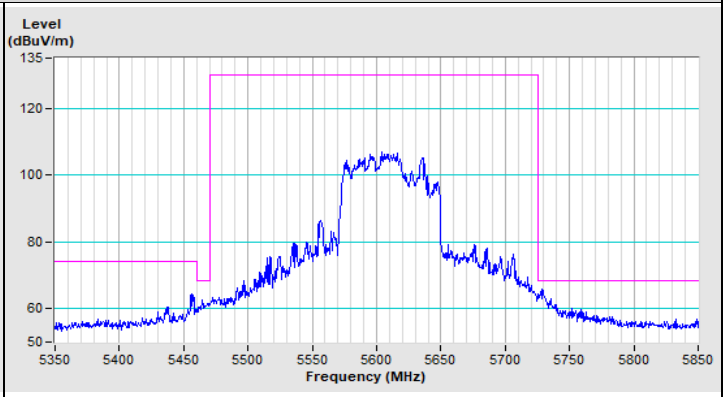


Vertical (Average)

802.11ax (HE80) Channel 122

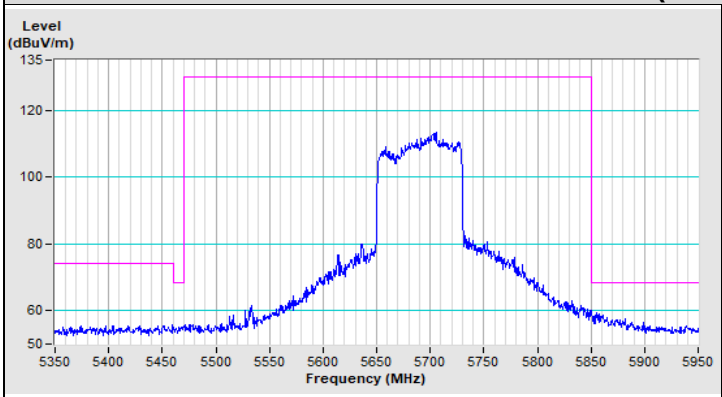


Horizontal (Peak)

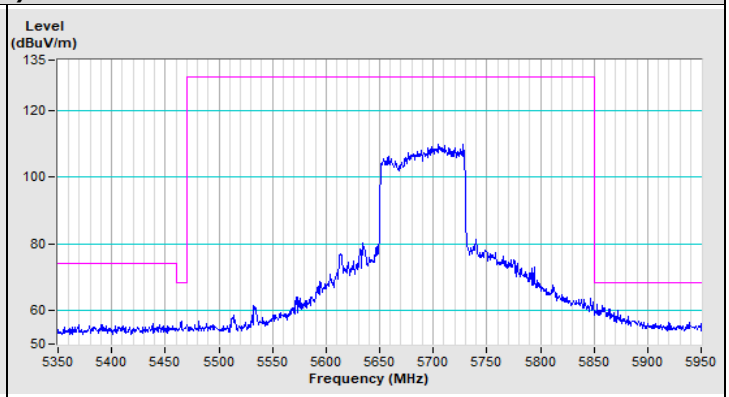


Vertical (Peak)

802.11ax (HE80) Channel 138

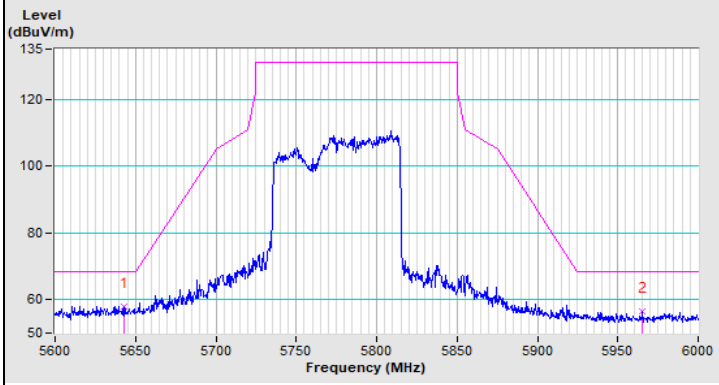


Horizontal (Peak)

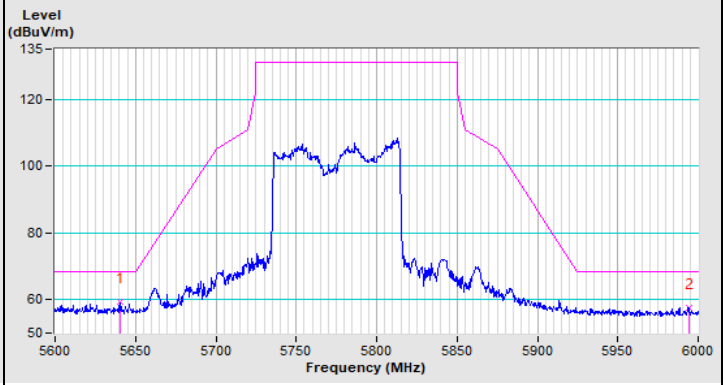


Vertical (Peak)

802.11ax (HE80) Channel 155



Horizontal (Peak)



Vertical (Peak)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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

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

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