

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)
Report No.: RFBDAS-WTW-P21030436C-2
FCC ID: 2A3G3-WMX720X
Product: WiFi 6E 5.2 M.2 2230 Module, WiFi 6E BT 5.2 Mini PCIe Module
Brand: EmWicon Corporation
Model No.: WMX7205, WMX7203, WMX7203-F
Received Date: 2023/12/14
Test Date: 2024/4/3 ~ 2024/5/17
Issued Date: 2024/6/7
Applicant: EmWicon Corporation
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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003
Designation Number:

Approved by: _____

Jeremy Lin

, Date: _____

2024/6/7

Jeremy Lin / Project Engineer

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Prepared by : Lena Wang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBDAS-WTW-P21030436C-2	Original release.	2024/6/7

1 Certificate

Product: WiFi 6E 5.2 M.2 2230 Module, WiFi 6E BT 5.2 Mini PCIe Module

Brand: EmWicon Corporation

Test Model: WMX7205, WMX7203, WMX7203-F

Sample Status: Engineering Sample

Applicant: EmWicon Corporation

Test Date: 2024/4/3 ~ 2024/5/17

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

Measurement ANSI C63.10-2013

procedure: KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01

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)(7) 15.407(a)(8)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(7) 15.407(a)(8)	Maximum Power Spectral Density	N/A	Refer to Note
15.407(a)(11)	Emission Bandwidth	N/A	Refer to Note
---	Occupied Bandwidth	N/A	Refer to Note
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -3.14 dB at 0.48635 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -7.2 dB at 125.55 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -0.3 dB at 7125.00 MHz
15.407(b)(7)	In-Band Emission Mask	N/A	Refer to Note
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.407(g)	Frequency Stability	N/A	Refer to Note
15.203	Antenna Requirement	Pass	Antenna connector is R-SMA not a standard connector.

Notes:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. Only test item of Unwanted Emissions, AC Power Conducted Emissions, Contention-based Protocol and Maximum RF Output Power were performed for this addendum. Other testing data please refer to BV CPS report no.: RFBVSW-WTW-P22080967-5.

2.1 Measurement Uncertainty

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

Measurement	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.88 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	WiFi 6E 5.2 M.2 2230 Module, WiFi 6E BT 5.2 Mini PCIe Module
Brand	EmWicon Corporation
Test Model	WMX7205, WMX7203, WMX7203-F
Status of EUT	Engineering Sample
Power Supply Rating	3.3 Vdc (from host equipment)
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM 4096QAM for OFDMA in 11ax HE mode
Modulation Technology	OFDM, OFDMA
Transfer Rate	802.11a: up to 54Mbps 802.11ax: up to 2969.7Mbps
Operating Frequency	Under control by Standard Power AP: 5.935 GHz ~ 6.415 GHz, 6.535 GHz ~ 6.855 GHz Under control by Low-power Indoor AP: 5.935 GHz ~ 6.415 GHz, 6.435 GHz ~ 6.525 GHz, 6.535 GHz ~ 6.855 GHz, 6.875 GHz ~ 7.115 GHz
Number of Channel	802.11a, 802.11ax (HE20):60 802.11ax (HE40):29 802.11ax (HE80):14 802.11ax (HE160):7
Output Power	<u>Under control by Low-power Indoor AP:</u> 5.935 GHz ~ 6.415 GHz : EIRP: 16.353 mW (12.14 dBm) 6.435 GHz ~ 6.525 GHz : EIRP: 15.875 mW (12.01 dBm) 6.535 GHz ~ 6.855 GHz : EIRP: 16.592 mW (12.20 dBm) 6.875 GHz ~ 7.115 GHz : EIRP: 14.771 mW (11.69 dBm) <u>Under control by Standard Power AP:</u> 5.935 GHz ~ 6.415 GHz : EIRP: 206.752 mW (23.15 dBm) 6.535 GHz ~ 6.855 GHz : EIRP: 203.659 mW (23.09 dBm)
Equipment Class	6CD: 15E 6 GHz Dual client

Note:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report to module report No.: RFBVSW-WTW-P22080967-5 (Brand: EmWicon Corporation, Model: WMX7205, WMX7203, Series Model: WMX7203-F). The difference compared with original report are adding antenna and End-product. Therefore, Only Unwanted Emissions, AC Power Conducted Emissions, Contention-based Protocol and Maximum RF Output Power are re-tested and recorded in this report.
2. The EUT was installed in Internet Security Device (Brand: FORCEPOINT or **Forcepoint**, Model: N120WL, APP-120C1).
3. All models are listed as below.

Model	Product Name	PCB size	Interface	IPEX	Difference
WMX7205	WiFi 6E 5.2 M.2 2230 Module	Original size	M.2 E-Key M.2 AE-Key	i-pex (MHF 4L)	-
WMX7203	WiFi 6E BT 5.2 Mini	Bigger than original	mini PCIe	i-pex (MHF 1)	Market segment
WMX7203-F	PCIe Module	Bigger than original	mini PCIe		

Note: From the above models, model: WMX7203 was selected as representative model for the test and its data was recorded in the report.

4. The Internet Security Device contains following accessory devices.

Product	Brand	Model	Description
Adapter 1	FSP	FSP040-DHMN3	-
Adapter 2 (Optional)	EDAC	EA10681T-540	-
WLAN Module	Emwicon	WMX7203-F	For N120WL, APP-120C1
WWAN Module	Sierra	EM7690	For N120WL
Dipole Antenna (WLAN)	Aristotle	RFA-27-C2M2-U-M70	For N120WL, APP-120C1
Dipole Antenna (WWAN)	Aristotle	RFA-LTE-C55-U-B70-5	For N120WL

5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.
6. This device of WLAN (2.4GHz & 5GHz U-NII-1 Band) can support hotspot mode.
7. According to client's declaration, the EUT does not support partial RU (resource unit), beamforming mode, BT, BT LE and WLAN 5.9GHz.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Original									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
1	Chain0/1	HONGBO	260-25094	3.53	2.4~2.4835 GHz	0.76	PIFA	ipex(MHF 4L) ipex(MHF 1)	300mm
				3.06	5.15~5.25 GHz	1.16			
				3.07	5.25~5.35 GHz	1.18			
				4.81	5.47~5.725 GHz	1.2			
				4.2	5.725~5.850 GHz	1.27			
2	Chain0/1	HONGBO	260-25083	5.09	5.850~5.895 GHz	1.29	PIFA	ipex(MHF 4L) ipex(MHF 1)	300mm
				5.14	5.925~6.425 GHz	1.32			
				5.09	6.425~6.525 GHz	1.35			
				5.16	6.525~6.875 GHz	1.4			
				5.12	6.875~7.125 GHz	1.45			
3	Chain0/1	HONGBO	260-25084	3.22	2.4~2.4835 GHz	0.5	Monopole	ipex(MHF 4L) ipex(MHF 1)	200mm
				3.35	5.150~5.250 GHz	0.76			
				3.42	5.250~5.350 GHz	0.78			
				4.77	5.470~5.725 GHz	0.81			
				4.72	5.725~5.850 GHz	0.85			
				4.71	5.850~5.895 GHz	0.86			
				4.75	5.925~6.425 GHz	0.87			
				4.29	6.425~6.525 GHz	0.91			
				4.81	6.525~6.875 GHz	0.96			
				4.74	6.875~7.125 GHz	0.98			
2 nd									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
4	Chain0/1	emwicon	ATD7351	2.51	2400 MHz	0.64	Monopole	RP-SMA	0.15m
				2.66	2450 MHz	0.64			
				2.07	2500 MHz	0.64			
				3.21	5150 MHz	1.27			
				3.64	5500 MHz	1.27			
				3.73	5850 MHz	1.27			
				3.13	6125 MHz	1.24			
				3.54	6750 MHz	1.24			
				3.06	7125 MHz	1.24			

Newly

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

2. The EUT incorporates a MIMO function:

6 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX
802.11ax (HE160)	2TX	2RX

3.3 Channel List

U-NII-5:

25 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
2	5935 MHz	1	5955 MHz	5	5975 MHz	9	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz	25	6075 MHz
29	6095 MHz	33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz	73	6315 MHz
77	6335 MHz	81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz						

12 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965 MHz	11	6005 MHz	19	6045 MHz	27	6085 MHz
35	6125 MHz	43	6165 MHz	51	6205 MHz	59	6245 MHz
67	6285 MHz	75	6325 MHz	83	6365 MHz	91	6405 MHz

6 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985 MHz	23	6065 MHz	39	6145 MHz	55	6225 MHz
71	6305 MHz	87	6385 MHz				

3 channels are provided for 802.11ax (HE160):

Channel	Frequency	Channel	Frequency	Channel	Frequency
15	6025 MHz	47	6185 MHz	79	6345 MHz

U-NII-6: (under control of a low-power indoor access point only)

5 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435 MHz	101	6455 MHz	105	6475 MHz	109	6495 MHz
113	6515 MHz						

3 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445 MHz	107	6485 MHz	*115	6525 MHz

1 channel is provided for 802.11ax (HE80):

Channel	Frequency
103	6465 MHz

1 channel is provided for 802.11ax (HE160):

Channel	Frequency
*111	6505 MHz

U-NII-7:

17 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535 MHz	121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz	145	6675 MHz
149	6695 MHz	153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz						

8 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565 MHz	131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz	179	6845 MHz

5 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
*119	6545 MHz	135	6625 MHz	151	6705 MHz	167	6785 MHz
*183	6865 MHz						

2 channels are provided for 802.11ax (HE160):

Channel	Frequency	Channel	Frequency
143	6665 MHz	*175	6825 MHz

U-NII-8: (under control of a low-power indoor access point only)

13 channels are provided for 802.11a, 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
185	6875 MHz	189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz	229	7095 MHz
233	7115 MHz						

6 channels are provided for 802.11ax (HE40):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
187	6885 MHz	195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz				

2 channels are provided for 802.11ax (HE80):

Channel	Frequency	Channel	Frequency
199	6945 MHz	215	7025 MHz

1 channel is provided for 802.11ax (HE160):

Channel	Frequency
207	6985 MHz

Note: * mean these are straddle channels and operating under control by under control of a low-power indoor access point only.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Z-axis Worst Condition: X-axis

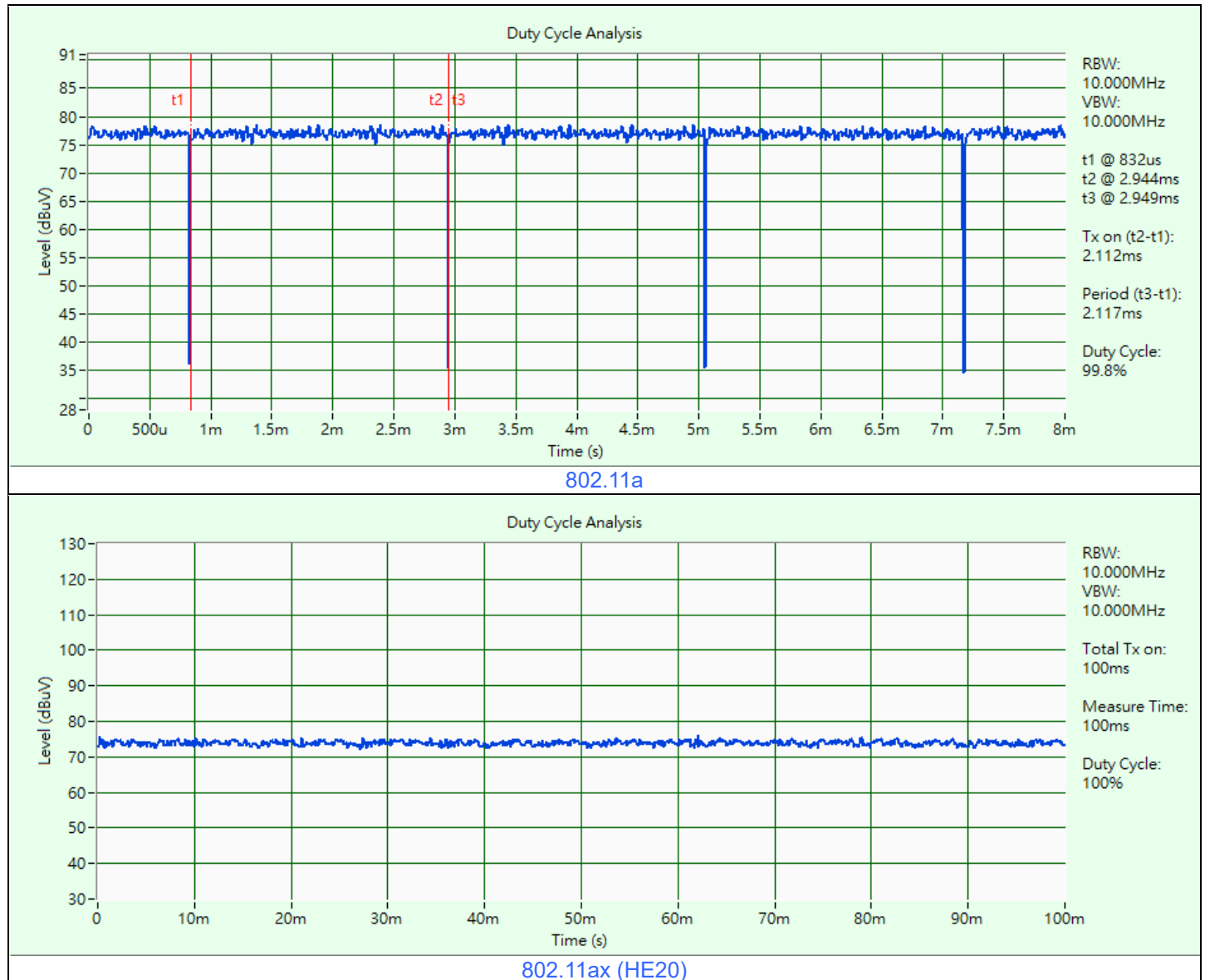
Following channel(s) was (were) selected for the final test as listed below:

Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
Maximum RF Output Power	A	802.11a	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229, 233	BPSK	6Mb/s
		802.11ax (HE20)	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 299, 233	BPSK	MCS0
		802.11ax (HE40)	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
		802.11ax (HE80)	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
		802.11ax (HE160)	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0
	B	802.11a	2, 1, 45, 93, 117, 149, 181	BPSK	6Mb/s
		802.11ax (HE20)	2, 1, 45, 93, 117, 149, 181	BPSK	MCS0
		802.11ax (HE40)	3, 43, 91, 123, 155, 179	BPSK	MCS0
		802.11ax (HE80)	7, 39, 87, 135, 151, 167	BPSK	MCS0
		802.11ax (HE160)	15, 47, 79, 143	BPSK	MCS0
AC Power Conducted Emissions	A	802.11ax (HE160)	143	BPSK	MCS0
	B	802.11a	93	BPSK	6Mb/s
Unwanted Emissions below 1 GHz	A	802.11ax (HE160)	143	BPSK	MCS0
	B	802.11a	93	BPSK	6Mb/s
Contention-based Protocol	A	802.11ax (HE20)	45, 105, 149, 209	BPSK	MCS0
		802.11ax (HE160)	47, 111, 143, 207	BPSK	MCS0

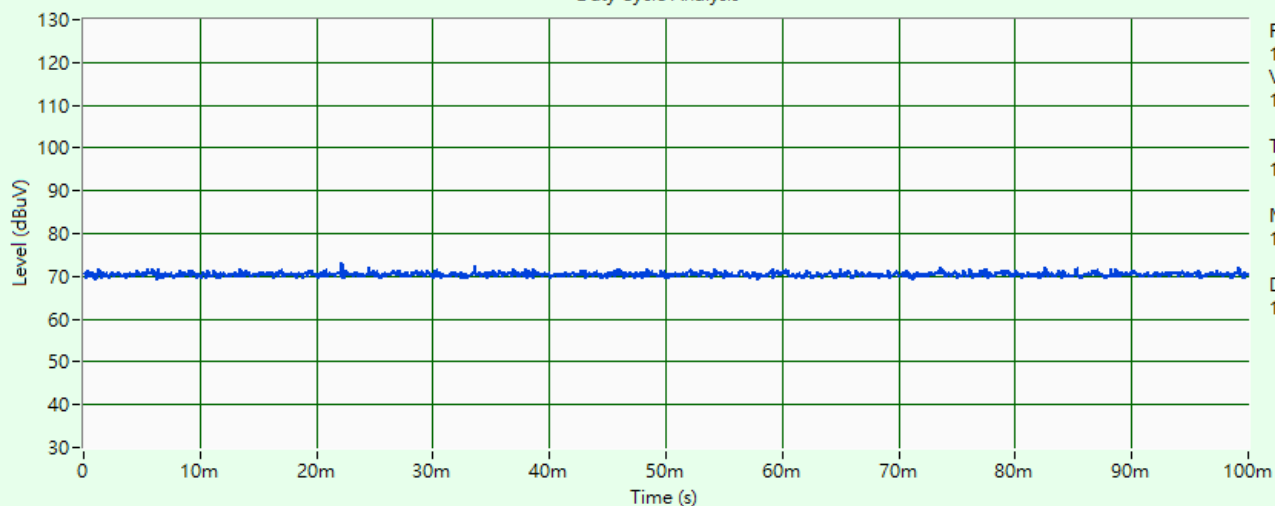
Test Item	EUT Configure Mode	Mode	Tested Channel	Modulation	Data Rate Parameter
Unwanted Emissions above 1 GHz	A	802.11a	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229, 233	BPSK	6Mb/s
		802.11ax (HE20)	2, 1, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229, 233	BPSK	MCS0
		802.11ax (HE40)	3, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227	BPSK	MCS0
		802.11ax (HE80)	7, 39, 87, 103, 119, 151, 183, 199, 215	BPSK	MCS0
		802.11ax (HE160)	15, 47, 79, 111, 143, 175, 207	BPSK	MCS0
	B	802.11a	2, 1, 45, 93, 117, 149, 181	BPSK	6Mb/s
		802.11ax (HE20)	2, 1, 45, 93, 117, 149, 181	BPSK	MCS0
		802.11ax (HE40)	3, 43, 91, 123, 155, 179	BPSK	MCS0
		802.11ax (HE80)	7, 39, 87, 135, 151, 167	BPSK	MCS0
		802.11ax (HE160)	15, 47, 79, 143	BPSK	MCS0
EUT Configure Mode:	A	Under control by Low-power Indoor Client			
	B	Under control by Standard Client			

3.5 Duty Cycle of Test Signal

- 802.11a: Duty cycle = 2.112 ms / 2.117 ms x 100% = 99.8%
- 802.11ax (HE20): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
- 802.11ax (HE40): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
- 802.11ax (HE80): Duty cycle = 100 ms / 100 ms x 100% = 100.0%
- 802.11ax (HE160): Duty cycle = 100 ms / 100 ms x 100% = 100.0%

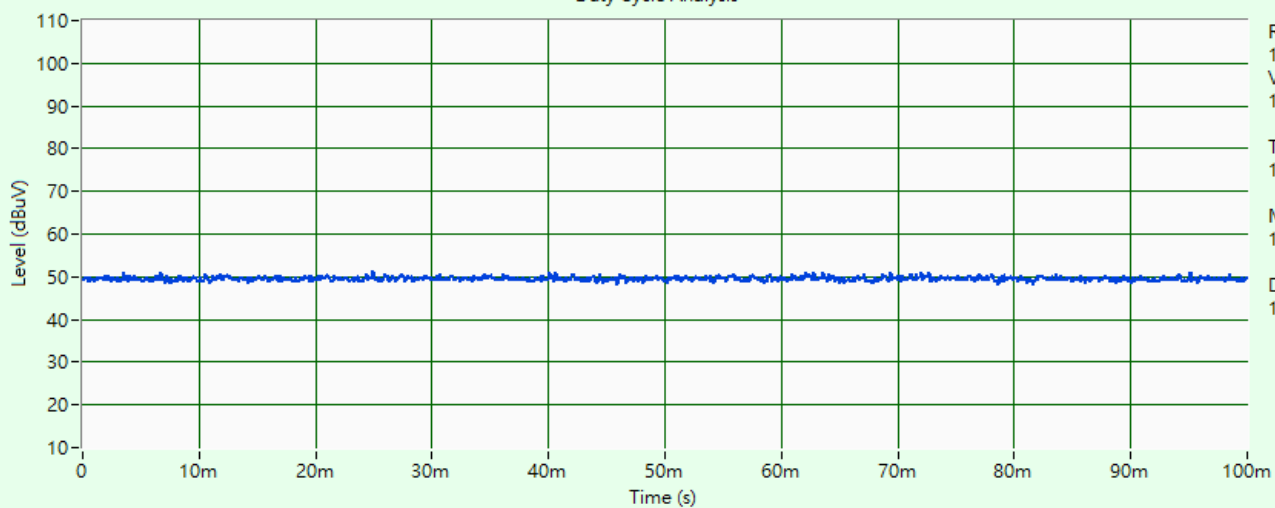


Duty Cycle Analysis



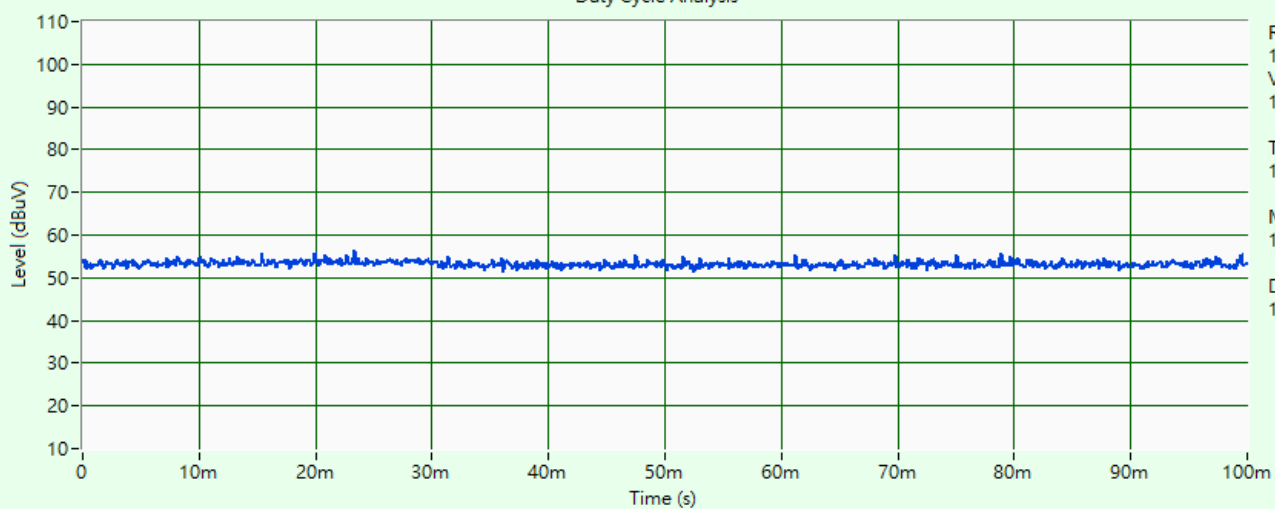
802.11ax (HE40)

Duty Cycle Analysis



802.11ax (HE80)

Duty Cycle Analysis

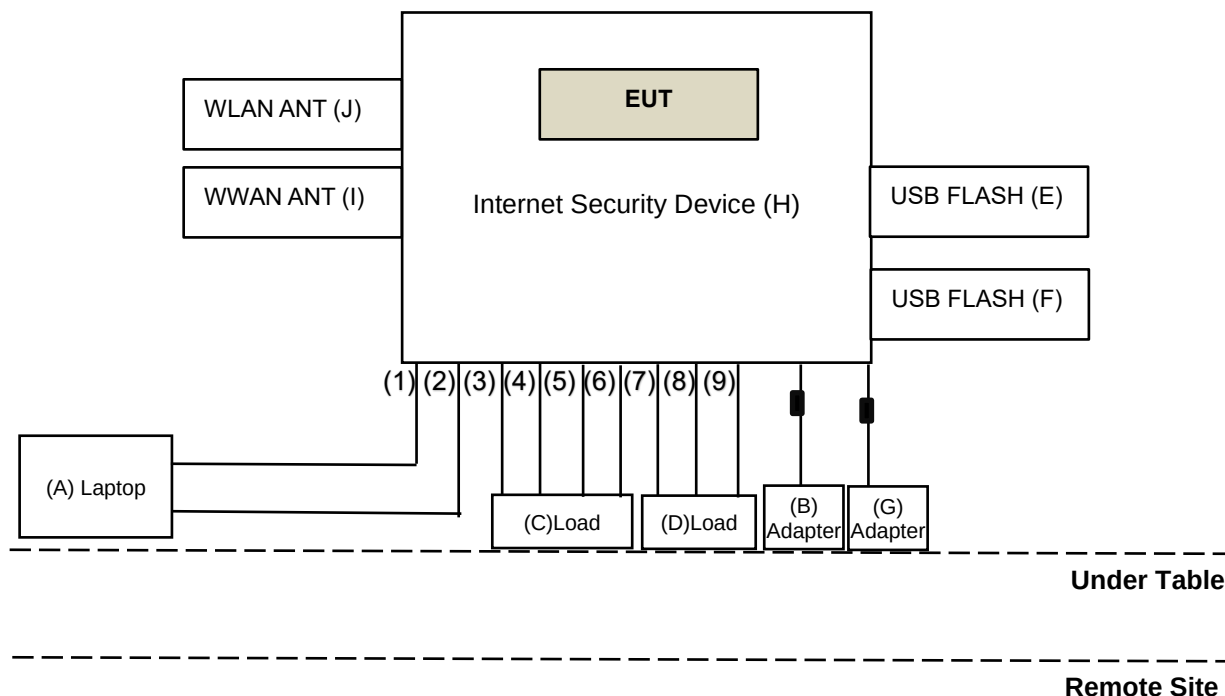


802.11ax (HE160)

3.6 Test Program Used and Operation Descriptions

Controlling software Tera Term 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	Laptop	Lenovo	X260 4G	PC0ECUAT	NA	Provided by Lab
B	Adapter	FSP	FSP040-DHMN3	NA	NA	Supplied by applicant
C	Load	NA	NA	NA	NA	Provided by Lab
D	Load	NA	NA	NA	NA	Provided by Lab
E	FLASH	Transcend	NA	NA	NA	Supplied by applicant
F	FLASH	Transcend	NA	NA	NA	Supplied by applicant
G	Adapter	EDAC	EA10681T-540	NA	NA	Supplied by applicant
H	Internet Security Device	FORCEPOINT	N120WL	NA	NA	Supplied by applicant
I	WWAN ANT	Aristotle	RFA-27-C2M2-U-M70	NA	NA	Supplied by applicant
J	WLAN ANT	WANSIH	S51WFI0001A	NA	NA	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	1	1.5	N	N	Provided by Lab
2	Console Cable	1	1.8	N	N	Supplied by applicant
3	RJ-45 Cable	1	1.5	N	N	Provided by Lab
4	RJ-45 Cable	1	1.5	N	N	Provided by Lab
5	RJ-45 Cable	1	1.5	N	N	Provided by Lab
6	RJ-45 Cable	1	1.5	N	N	Provided by Lab
7	RJ-45 Cable	1	1.5	N	N	Provided by Lab
8	RJ-45 Cable	1	1.5	N	N	Provided by Lab
9	RJ-45 Cable	1	1.5	N	N	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 Maximum RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Peak Power Analyzer Keysight	8990B	MY51000485	2024/1/21	2025/1/20
Wideband Power Sensor Keysight	N1923A	MY58020002	2024/1/18	2025/1/17
		MY58140009	2024/1/18	2025/1/17

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/5/17

4.2 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
EXA Signal Analyzer Agilent	N9010A	MY52220207	2023/12/28	2024/12/27
MXG Vector Signal Generator Agilent	N5182B	MY53050430	2023/12/4	2024/12/3
MXG Vector Signal Generator Keysight	N5182BU	MY59360189	2023/12/4	2024/12/3
Power Divider Woken	0120A02058001M	DCMD33WIK3	2024/4/29	2025/4/28
		DCMD33WIK7	2024/4/29	2025/4/28

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2024/5/14

4.3 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance HUBER+SUHNER	E1-011315	13	2023/11/22	2024/11/21
50 ohm terminal resistance	E1-011279	04	2023/11/22	2024/11/21
	E1-011280	05	2023/11/22	2024/11/21
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2023/11/7	2024/11/6
EMI Test Receiver R&S	ESCI	100412	2023/8/23	2024/8/22
	ESR3	102783	2023/12/13	2024/12/12
Fixed Attenuator SGH	BNC10W10dB	PAD-COND2-01	2023/9/2	2024/9/1
LISN R&S	ESH2-Z5	100100	2024/3/6	2025/3/5
	ESH3-Z5	100312	2023/9/12	2024/9/11
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2023/9/2	2024/9/1
Software BVADT	BVADT_Cond_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2023/8/31	2024/8/30

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2024/4/12 ~ 2024/5/8

4.4 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2023/10/17	2024/10/16
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
			2024/5/8	2025/5/7
Preamplifier Agilent	8447D	2944A10638	2023/5/7	2024/5/6
			2024/5/1	2025/4/30
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2023/5/7	2024/5/6
			2024/5/1	2025/4/30
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/4/11 ~ 2024/5/8

4.5 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-1169	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170243	2023/11/12	2024/11/11
MXE EMI Receiver Keysight	N9038A	MY55420137	2023/5/3	2024/5/2
Notch Filter Micro-Tronics	BRM17690	004	2024/1/23	2025/1/22
	BRM50716	060	2023/12/25	2024/12/24
Preamplifier Agilent	8449B	3008A02367	2024/1/6	2025/1/5
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	2024/1/6	2025/1/5
RF Coaxial Cable HUBER+SUHNER&EMCI	SUCOFLEX 104& EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	2024/1/6	2025/1/5
Signal & Spectrum Analyzer R&S	FSW43	101867	2023/12/29	2024/12/28
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2024/4/3 ~ 2024/4/11

5 Limits of Test Items

5.1 Maximum RF Output Power

Operation Band	Equipment Class	Limit
		Maximum Average Power
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6CD: 15E 6 GHz Dual client (under control of a low-power indoor access point)	EIRP 24 dBm
U-NII-5 U-NII-7	6CD: 15E 6 GHz Dual client (under control of a Standard power access point)	EIRP 30 dBm

Per KDB 662911 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.

5.2 Contention-based Protocol

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm (The threshold is referenced to a 0 dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channel energy with 90% or greater certainty.

5.3 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.

5.4 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).

5.5 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

Frequencies (MHz)	EIRP Limit	Equivalent Field Strength at 3 m
5925 MHz > F > 7125 MHz	Peak: -7 (dBm/MHz)	88.2 (dBuV/m)
	Average: -27 (dBm/MHz)	68.2 (dBuV/m)

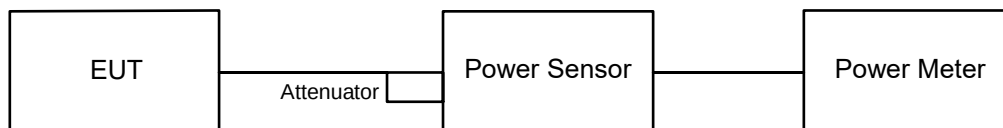
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup

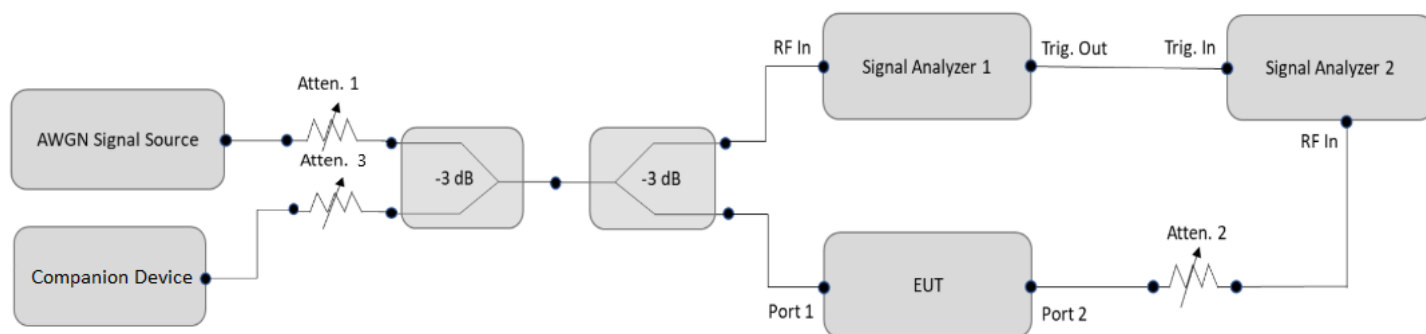


6.1.2 Test Procedure

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.

6.2 Contention-based Protocol

6.2.1 Test Setup



6.2.2 Test Procedure

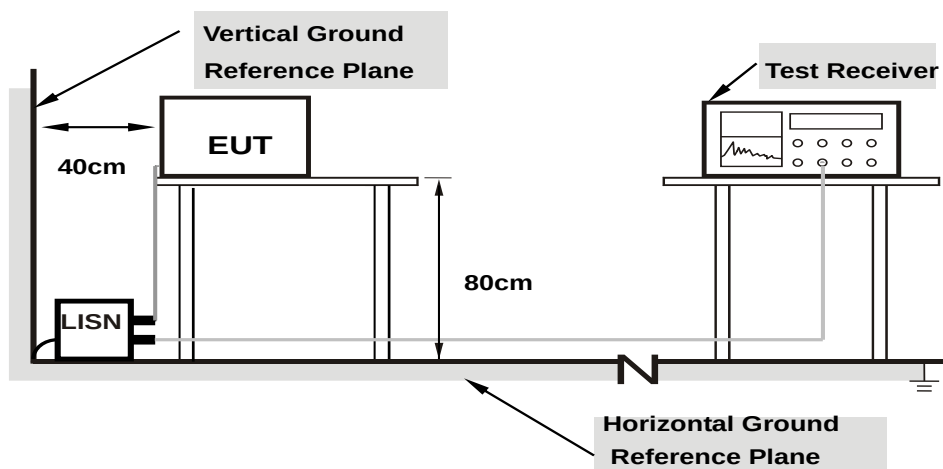
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters (set as following section 4.7.5 EUT operating condition).
- Determine number of times detection threshold test as following table,

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Same as EUT transmission
$BW_{Inc} < BW_{EUT} \leq 2 \times BW_{Inc}$	Once	Contained within BW_{EUT}
$2 \times BW_{Inc} < BW_{EUT} \leq 4 \times BW_{Inc}$	Twice. (Incumbent transmission is contained within BW_{EUT})	Closely to the lower edge and upper edge of the EUT Channel
$BW_{EUT} > 4 \times BW_{Inc}$	Three times	Closely to the lower edge ,in the middle and upper edge of the EUT Channel

- Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT.
- Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- Refer to step c table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step d, choose a different center frequency for the AWGN signal and repeat the process.

6.3 AC Power Conducted Emissions

6.3.1 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).

6.3.2 Test Procedure

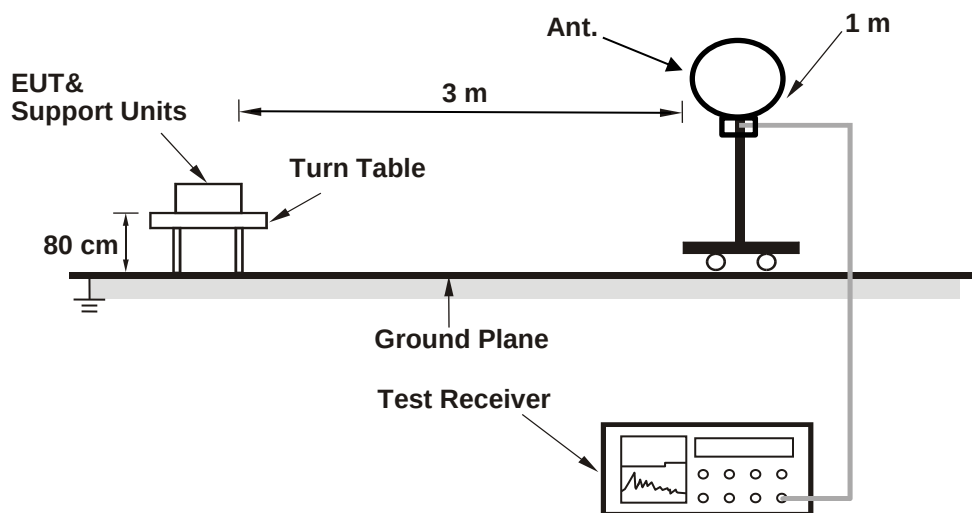
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The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

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

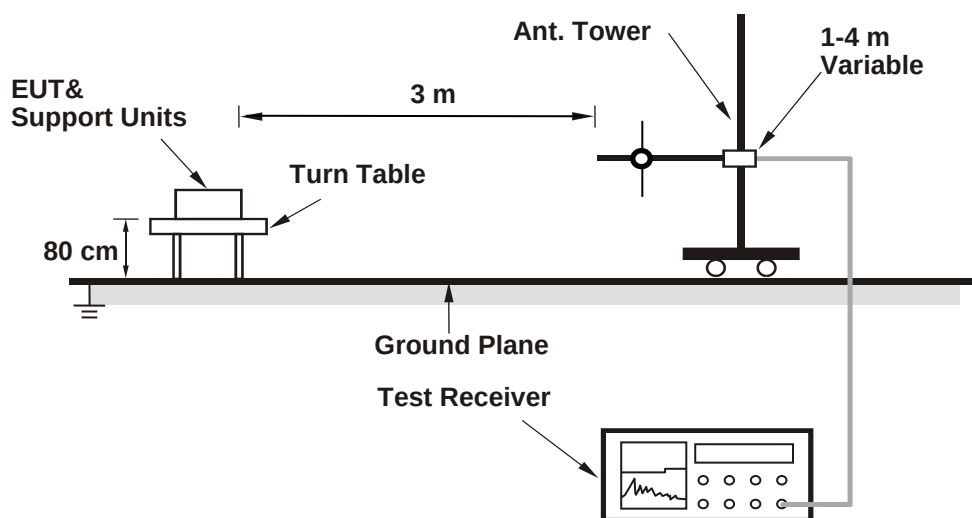
6.4 Unwanted Emissions below 1 GHz

6.4.1 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).

6.4.2 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

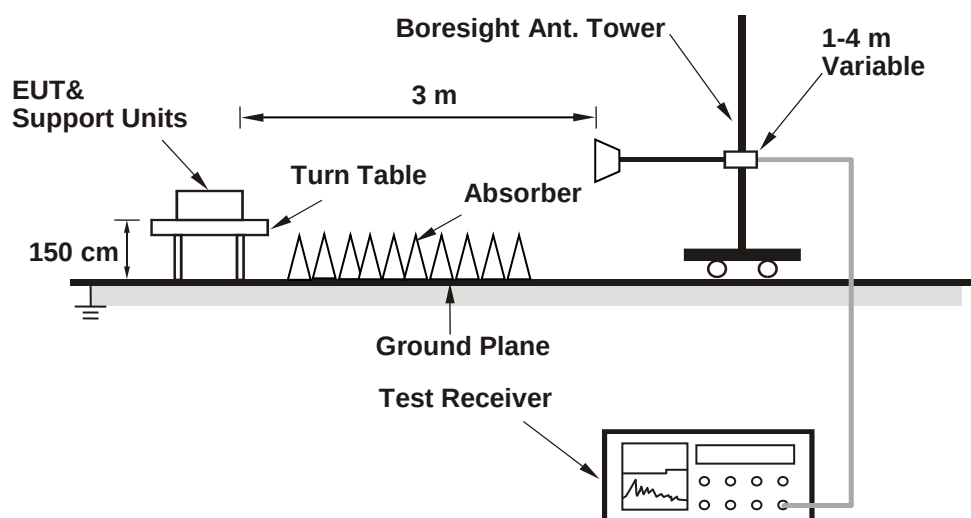
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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.

6.5 Unwanted Emissions above 1 GHz

6.5.1 Test Setup



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

6.5.2 Test Procedure

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

Notes:

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

7 Test Results of Test Item

7.1 Maximum RF Output Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 60% RH	Tested By:	Charles Hsiao
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Mode A (Under control by Low-power Indoor Client)

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-3.46	-1.17	1.2147	0.84	1.52	1.724	2.36	24	Pass
1	5955	-0.93	-1.17	1.5711	1.96	1.52	2.229	3.48	24	Pass
45	6175	-1.85	-0.56	1.5322	1.85	1.52	2.174	3.37	24	Pass
93	6415	-0.12	-1.06	1.7562	2.45	1.52	2.492	3.97	24	Pass
97	6435	-0.03	-0.75	1.8345	2.64	1.52	2.603	4.16	24	Pass
105	6475	-1.31	-3.16	1.2227	0.87	1.52	1.735	2.39	24	Pass
113	6515	-0.52	-2.71	1.423	1.53	1.52	2.019	3.05	24	Pass
117	6535	-0.62	-1.83	1.5231	1.83	1.52	2.161	3.35	24	Pass
149	6695	-0.30	-1.80	1.5939	2.02	1.52	2.262	3.54	24	Pass
181	6855	-0.30	-2.63	1.479	1.70	1.52	2.099	3.22	24	Pass
185	6875	0.21	-1.83	1.7057	2.32	1.52	2.42	3.84	24	Pass
209	6995	-0.09	-2.13	1.5918	2.02	1.52	2.259	3.54	24	Pass
229	7095	-0.93	0.16	1.8448	2.66	1.52	2.618	4.18	24	Pass
233	7115	-1.37	0.06	1.7434	2.41	1.52	2.474	3.93	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-6, the maximum gain is 1.52 dBi.
4. For U-NII-7, the maximum gain is 1.52 dBi.
5. For U-NII-8, the maximum gain is 1.52 dBi.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-5.56	-4.19	0.659	-1.81	1.52	0.9352	-0.29	24	Pass
1	5955	-0.03	0.58	2.136	3.30	1.52	3.031	4.82	24	Pass
45	6175	-1.52	-0.16	1.6685	2.22	1.52	2.368	3.74	24	Pass
93	6415	-0.43	1.18	2.2179	3.46	1.52	3.147	4.98	24	Pass
97	6435	0.32	-0.34	2.0012	3.01	1.52	2.84	4.53	24	Pass
105	6475	1.29	-0.02	2.3413	3.69	1.52	3.322	5.21	24	Pass
113	6515	1.53	-0.67	2.2794	3.58	1.52	3.235	5.1	24	Pass
117	6535	1.42	-0.07	2.3708	3.75	1.52	3.364	5.27	24	Pass
149	6695	0.43	-1.09	1.8821	2.75	1.52	2.671	4.27	24	Pass
181	6855	0.82	-1.56	1.906	2.80	1.52	2.705	4.32	24	Pass
185	6875	0.98	-1.76	1.9199	2.83	1.52	2.724	4.35	24	Pass
209	6995	0.48	-1.43	1.8363	2.64	1.52	2.606	4.16	24	Pass
229	7095	0.26	1.52	2.481	3.95	1.52	3.521	5.47	24	Pass
233	7115	-3.21	-2.49	1.0412	0.18	1.52	1.478	1.7	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-6, the maximum gain is 1.52 dBi.
4. For U-NII-7, the maximum gain is 1.52 dBi.
5. For U-NII-8, the maximum gain is 1.52 dBi.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	2.53	1.89	3.336	5.23	1.52	4.734	6.75	24	Pass
43	6165	3.69	3.01	4.339	6.37	1.52	6.157	7.89	24	Pass
91	6405	4.27	2.38	4.403	6.44	1.52	6.248	7.96	24	Pass
99	6445	4.86	2.79	4.963	6.96	1.52	7.043	8.48	24	Pass
107	6485	4.83	2.16	4.685	6.71	1.52	6.648	8.23	24	Pass
115	6525	5.03	1.95	4.751	6.77	1.52	6.742	8.29	24	Pass
123	6565	5.31	2.13	5.029	7.01	1.52	7.136	8.53	24	Pass
155	6725	2.73	2.58	3.686	5.67	1.52	5.231	7.19	24	Pass
179	6845	4.41	1.78	4.267	6.30	1.52	6.055	7.82	24	Pass
187	6885	4.98	1.53	4.57	6.60	1.52	6.485	8.12	24	Pass
211	7005	4.19	1.62	4.076	6.10	1.52	5.784	7.62	24	Pass
227	7085	3.39	3.62	4.484	6.52	1.52	6.363	8.04	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-6, the maximum gain is 1.52 dBi.
4. For U-NII-7, the maximum gain is 1.52 dBi.
5. For U-NII-8, the maximum gain is 1.52 dBi.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	6.69	4.21	7.303	8.64	1.52	10.363	10.16	24	Pass
39	6145	6.40	5.43	7.857	8.95	1.52	11.15	10.47	24	Pass
87	6385	6.71	5.32	8.092	9.08	1.52	11.483	10.6	24	Pass
103	6465	7.68	5.36	9.297	9.68	1.52	13.193	11.2	24	Pass
119	6545	7.39	4.59	8.36	9.22	1.52	11.863	10.74	24	Pass
151	6705	6.53	4.18	7.116	8.52	1.52	10.098	10.04	24	Pass
183	6865	5.89	4.46	6.674	8.24	1.52	9.471	9.76	24	Pass
199	6945	6.42	3.69	6.724	8.28	1.52	9.542	9.8	24	Pass
215	7025	6.98	3.82	7.399	8.69	1.52	10.5	10.21	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-6, the maximum gain is 1.52 dBi.
4. For U-NII-7, the maximum gain is 1.52 dBi.
5. For U-NII-8, the maximum gain is 1.52 dBi.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	8.53	6.43	11.524	10.62	1.52	16.353	12.14	24	Pass
47	6185	7.23	6.99	10.285	10.12	1.52	14.595	11.64	24	Pass
79	6345	7.45	7.35	10.992	10.41	1.52	15.598	11.93	24	Pass
111	6505	8.56	6.03	11.187	10.49	1.52	15.875	12.01	24	Pass
143	6665	8.35	6.86	11.692	10.68	1.52	16.592	12.2	24	Pass
175	6825	8.26	5.57	10.305	10.13	1.52	14.623	11.65	24	Pass
207	6985	8.69	4.79	10.409	10.17	1.52	14.771	11.69	24	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-6, the maximum gain is 1.52 dBi.
4. For U-NII-7, the maximum gain is 1.52 dBi.
5. For U-NII-8, the maximum gain is 1.52 dBi.

Mode B (Under control by Standard Client)

802.11a

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	9.49	8.55	16.053	12.06	1.52	22.78	13.58	30	Pass
1	5955	18.76	18.06	139.136	21.43	1.52	197.442	22.95	30	Pass
45	6175	19.20	17.89	144.694	21.60	1.52	205.329	23.12	30	Pass
93	6415	19.23	17.92	145.697	21.63	1.52	206.752	23.15	30	Pass
117	6535	19.03	18.03	143.517	21.57	1.52	203.659	23.09	30	Pass
149	6695	18.86	18.13	141.926	21.52	1.52	201.401	23.04	30	Pass
181	6855	18.69	18.21	140.182	21.47	1.52	198.926	22.99	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-7, the maximum gain is 1.52 dBi.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
2	5935	-6.06	-4.01	0.6449	-1.91	1.52	0.9152	-0.39	30	Pass
1	5955	16.01	14.68	69.279	18.41	1.52	98.311	19.93	30	Pass
45	6175	15.46	15.62	71.631	18.55	1.52	101.649	20.07	30	Pass
93	6415	16.58	14.99	77.049	18.87	1.52	109.337	20.39	30	Pass
117	6535	17.09	14.23	77.653	18.90	1.52	110.194	20.42	30	Pass
149	6695	16.35	15.09	75.437	18.78	1.52	107.049	20.3	30	Pass
181	6855	16.83	14.61	77.102	18.87	1.52	109.412	20.39	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-7, the maximum gain is 1.52 dBi.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	15.53	14.21	62.091	17.93	1.52	88.111	19.45	30	Pass
43	6165	15.30	15.56	69.859	18.44	1.52	99.134	19.96	30	Pass
91	6405	16.11	14.45	68.693	18.37	1.52	97.479	19.89	30	Pass
123	6565	16.46	13.82	68.358	18.35	1.52	97.004	19.87	30	Pass
155	6725	15.98	14.46	67.553	18.30	1.52	95.862	19.82	30	Pass
179	6845	16.32	14.12	68.677	18.37	1.52	97.457	19.89	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-7, the maximum gain is 1.52 dBi.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	14.59	12.88	48.183	16.83	1.52	68.374	18.35	30	Pass
39	6145	14.98	14.21	57.841	17.62	1.52	82.08	19.14	30	Pass
87	6385	15.43	14.21	61.277	17.87	1.52	86.956	19.39	30	Pass
135	6625	15.58	13.01	56.14	17.49	1.52	79.666	19.01	30	Pass
151	6705	15.30	14.17	60.006	17.78	1.52	85.152	19.3	30	Pass
167	6785	15.56	13.73	59.58	17.75	1.52	84.547	19.27	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-7, the maximum gain is 1.52 dBi.

802.11ax (HE160)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Maximum Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	14.87	13.09	51.061	17.08	1.52	72.458	18.6	30	Pass
47	6185	14.10	14.22	52.128	17.17	1.52	73.973	18.69	30	Pass
79	6345	14.21	14.23	52.848	17.23	1.52	74.994	18.75	30	Pass
143	6665	15.26	13.31	55.003	17.40	1.52	78.052	18.92	30	Pass

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is 1.52 dBi.
3. For U-NII-7, the maximum gain is 1.52 dBi.

7.2 Contention-based Protocol

Environmental Conditions:	25°C, 60% RH	Tested By:	Vincent Huang
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Mode A (Under control by Low-power Indoor Client)

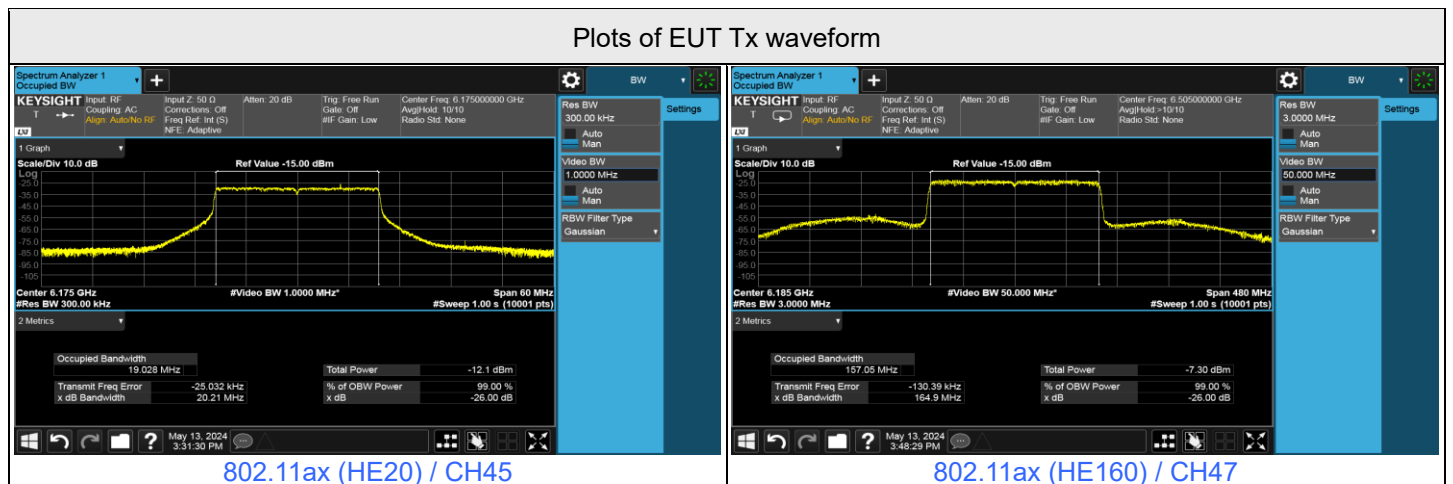
Companion Device Information			
Product	Brand	Model No.	Software/Firmware Version
Internet Security Device	Nexcom	APP-120C1, N120WL, N120, N120L	0x11048e99

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	45	6175	6175	-74	0.52	0	-74.52	-62	OFF
					-75	0.52	0	-75.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
	160	47	6110	6110	-67	0.52	0	-67.52	-62	OFF
					-69	0.52	0	-69.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
			6185	6185	-62	0.52	0	-62.52	-62	OFF
					-64	0.52	0	-64.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
			6260	6260	-68	0.52	0	-68.52	-62	OFF
					-70	0.52	0	-70.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON

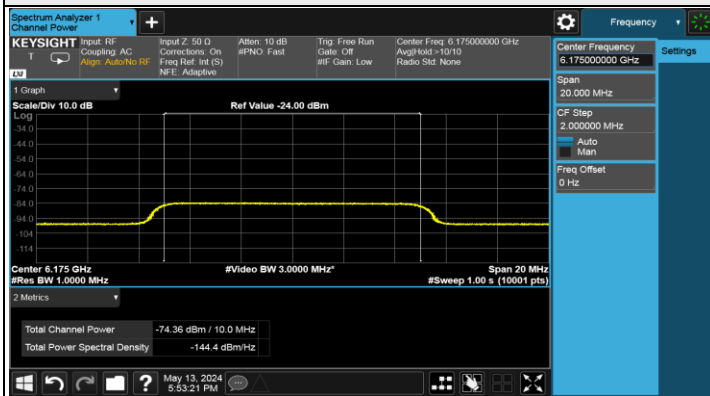
Notes:

1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. The EUT is supported bandwidth reduction.

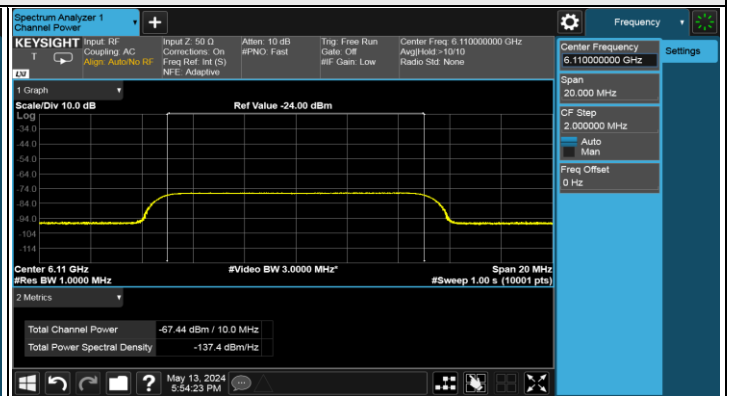
Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6175	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6110	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6185	v	v	v	v	v	v	v	x	v	v	90%	90%	Pass
		6260	v	v	x	v	v	v	v	v	v	v	90%	90%	Pass



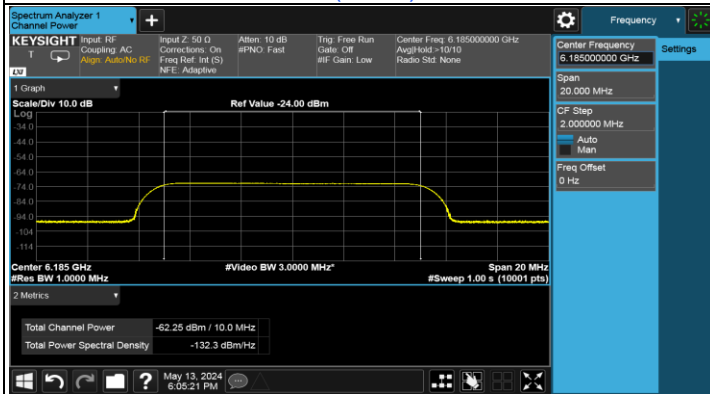
Plots of Injected signal (AWGN) level



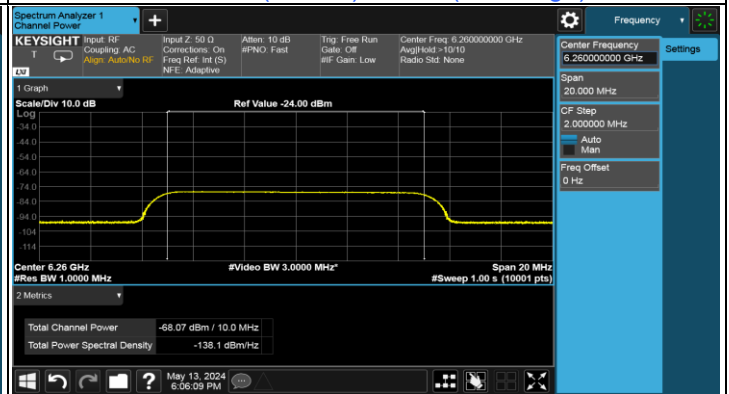
802.11ax (HE20) / CH45



802.11ax (HE160) / CH47(Low Edge)



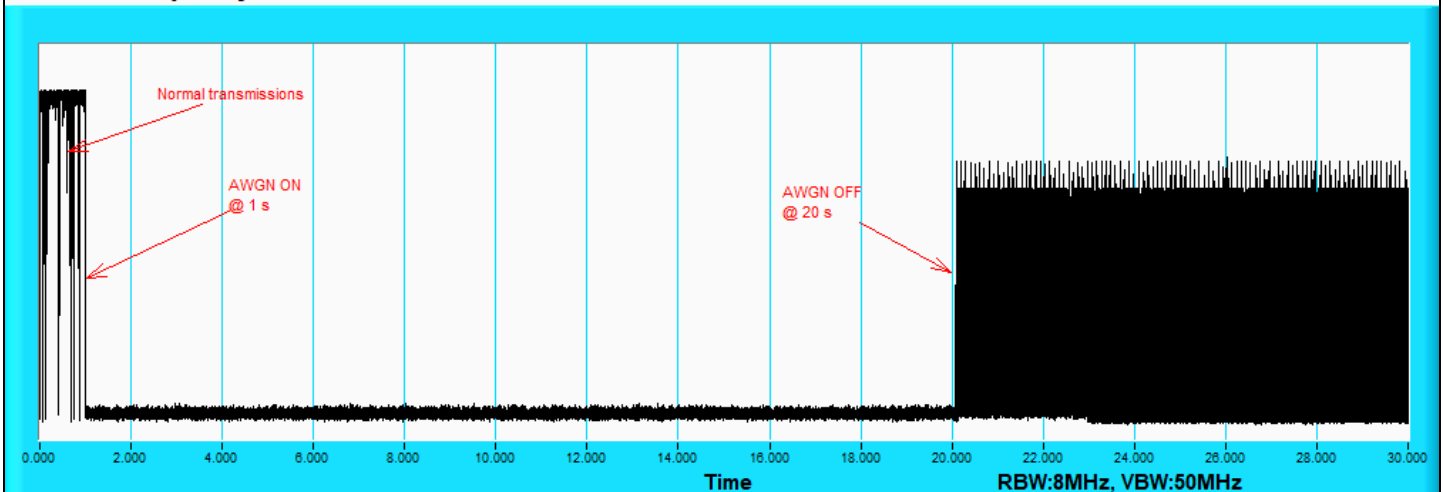
802.11ax (HE160) / CH47(Middle)



802.11ax (HE160) / CH47(High Edge)

Plots of EUT ceased transmission in the time domain

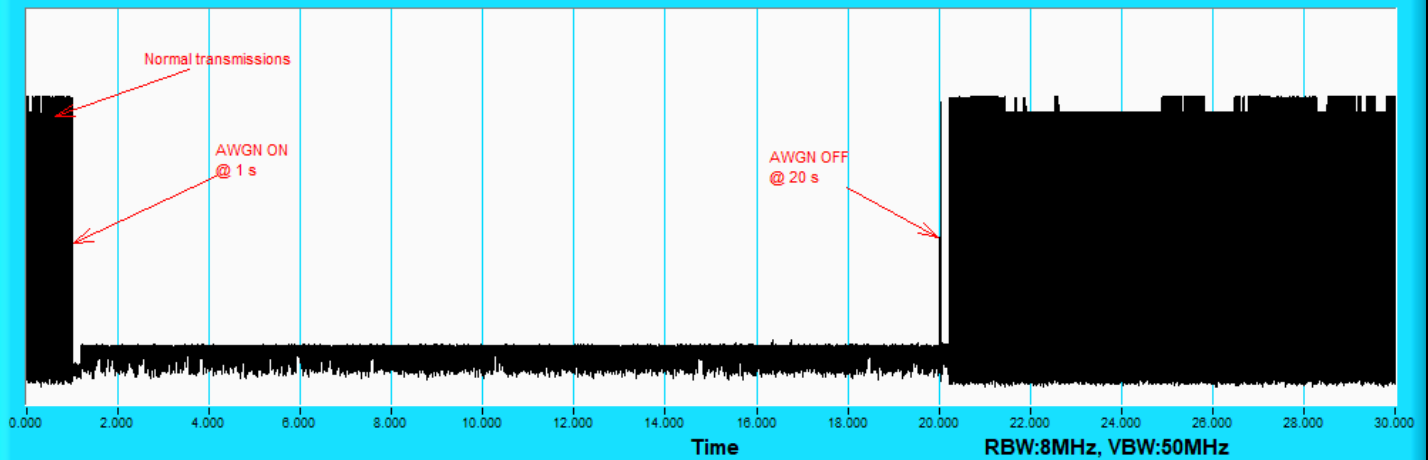
Plots of Adaptivity



802.11ax (HE20) / CH45

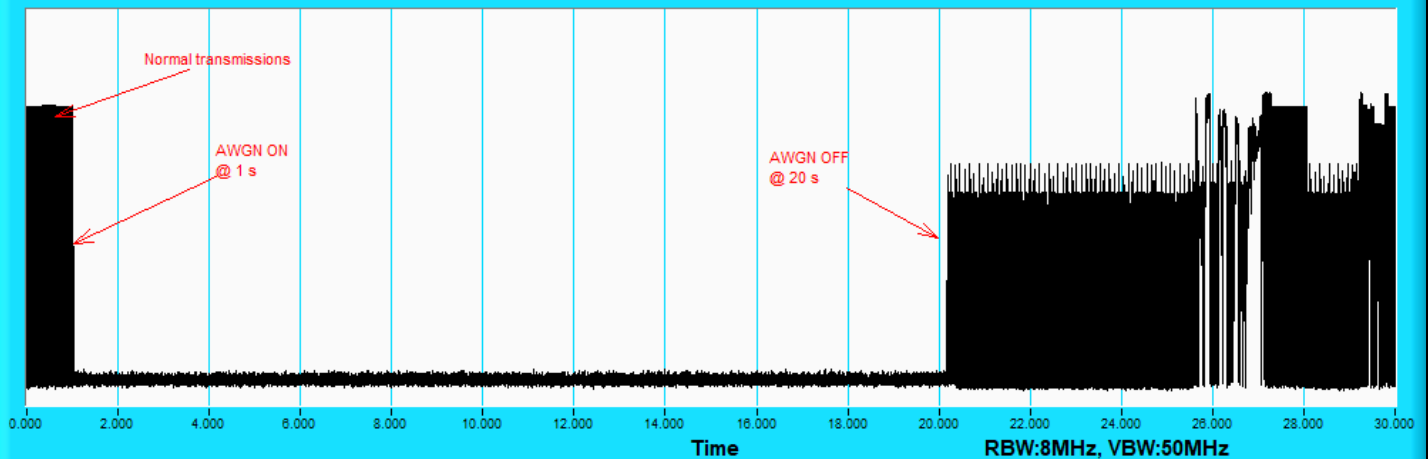
Plots of EUT ceased transmission in the time domain

Plots of Adaptivity



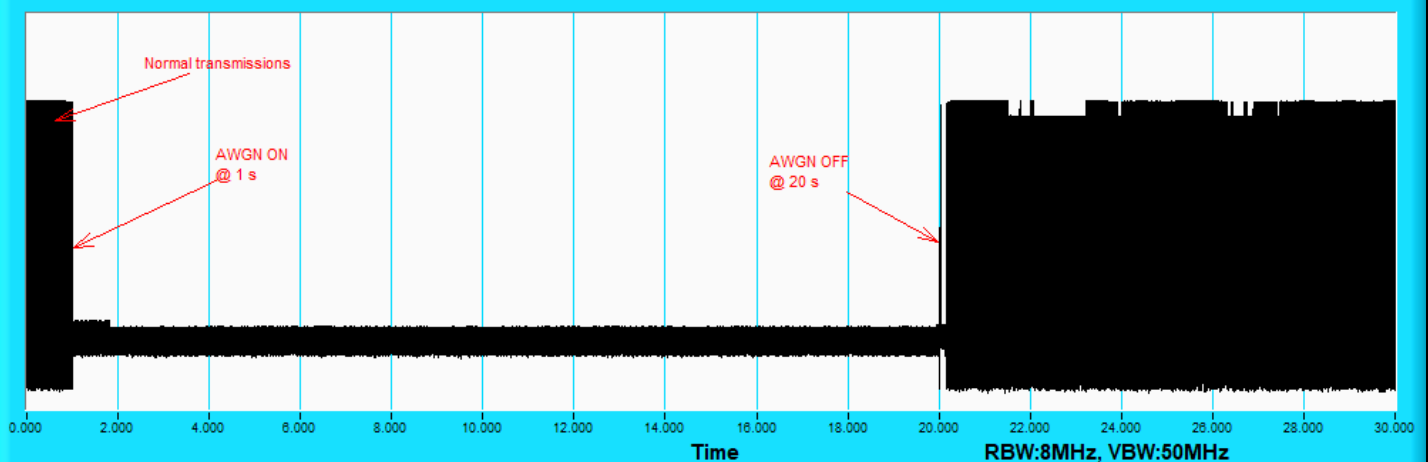
802.11ax (HE160) / CH47(Low Edge)

Plots of Adaptivity



802.11ax (HE160) / CH47(Middle)

Plots of Adaptivity



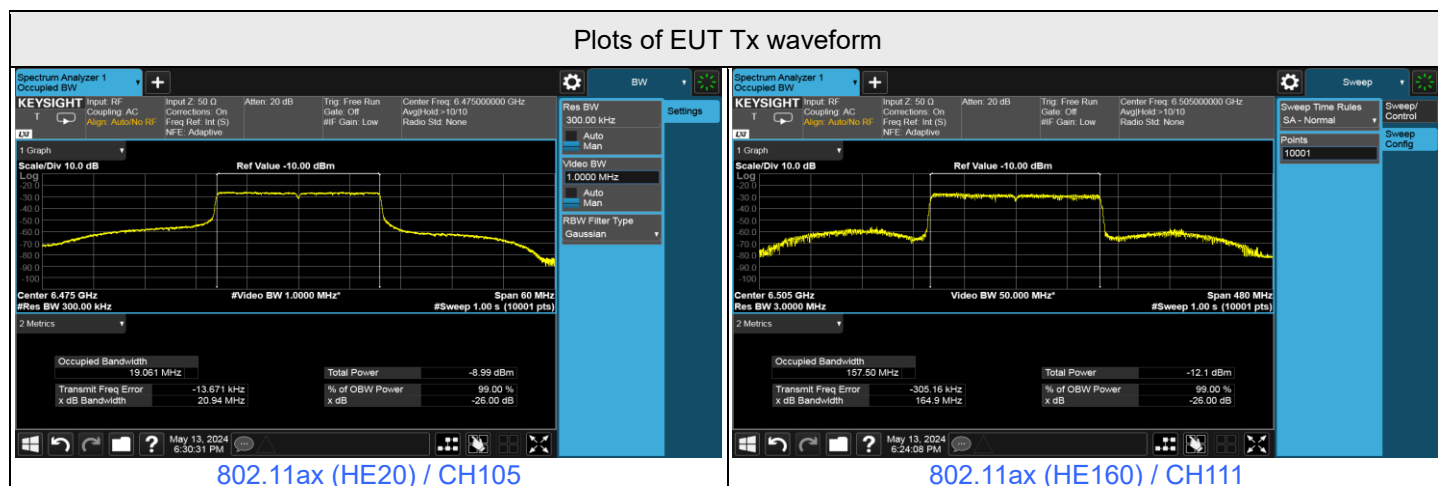
802.11ax (HE160) / CH47(High Edge)

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	105	6475	6475	-73	0.52	0	-73.52	-62	OFF
					-75	0.52	0	-75.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
	160	111	6430	6430	-67	0.52	0	-67.52	-62	OFF
					-69	0.52	0	-69.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
			6505	6505	-65	0.52	0	-65.52	-62	OFF
					-67	0.52	0	-67.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
			6580	6580	-70	0.52	0	-70.52	-62	OFF
					-72	0.52	0	-72.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON

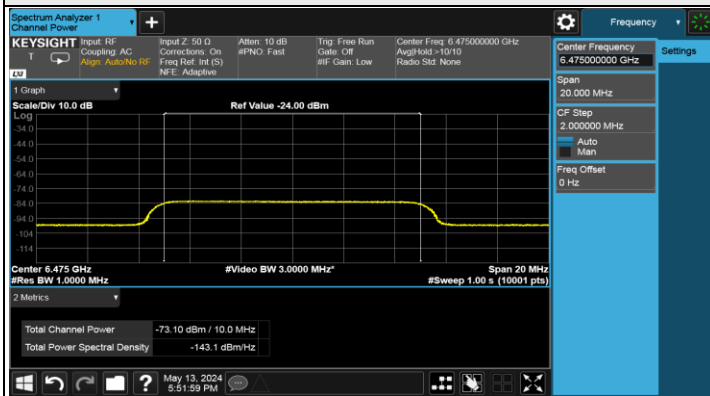
Notes:

1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. The EUT is supported bandwidth reduction.

Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6475	V	V	V	V	V	V	V	V	V	V	100%	90%	Pass
	160	6430	V	V	V	V	V	V	V	V	V	V	100%	90%	Pass
		6505	V	V	X	V	V	V	V	V	V	V	90%	90%	Pass
		6580	V	V	V	V	V	V	V	V	V	V	100%	90%	Pass



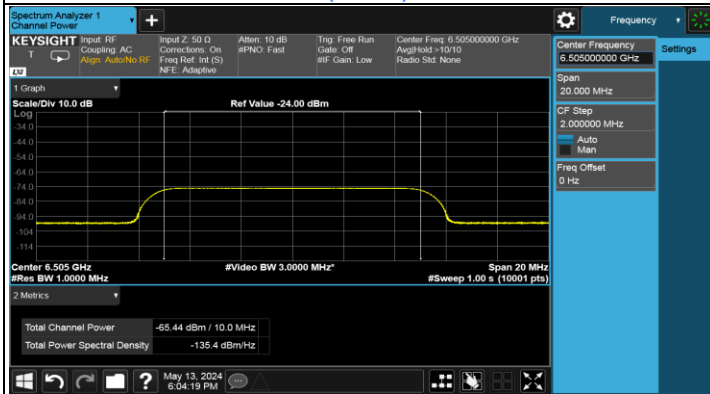
Plots of Injected signal (AWGN) level



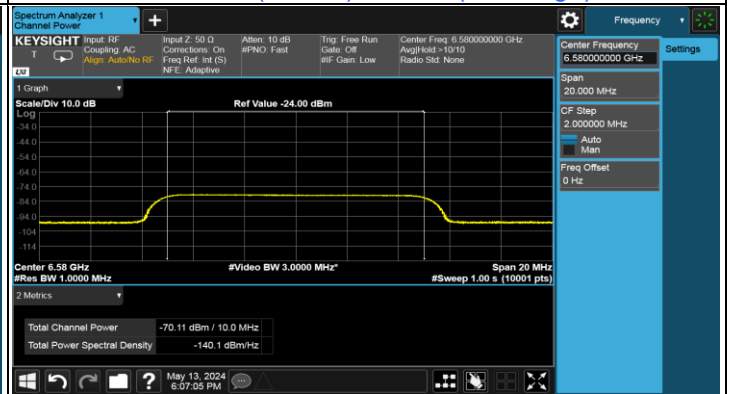
802.11ax (HE20) / CH105



802.11ax (HE160) / CH111(Low Edge)



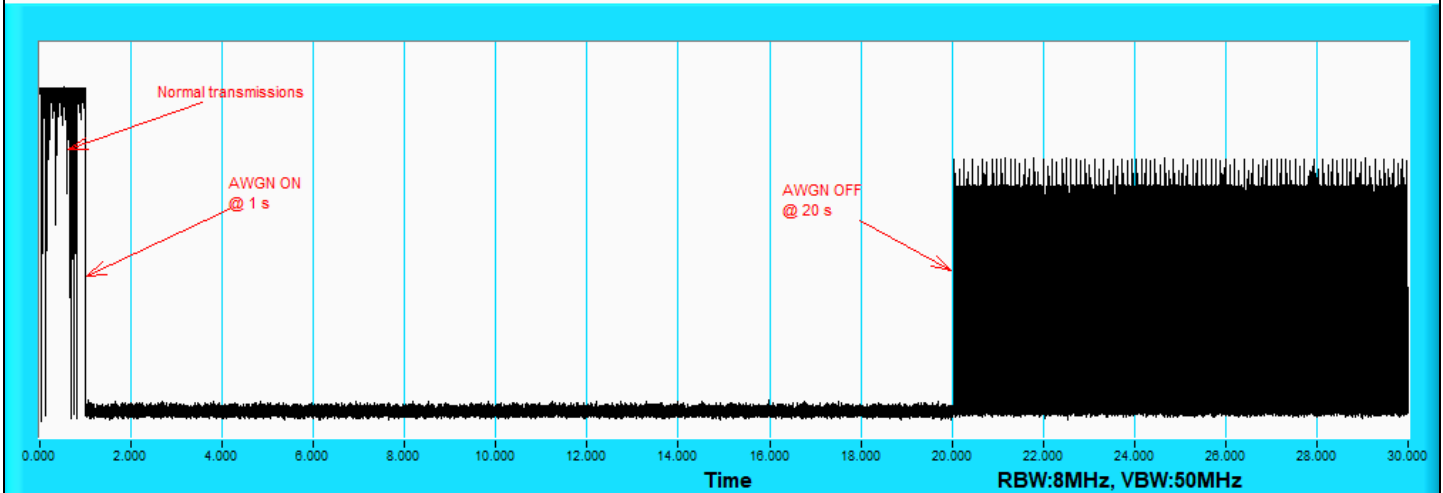
802.11ax (HE160) / CH111(Middle)



802.11ax (HE160) / CH111(High Edge)

Plots of EUT ceased transmission in the time domain

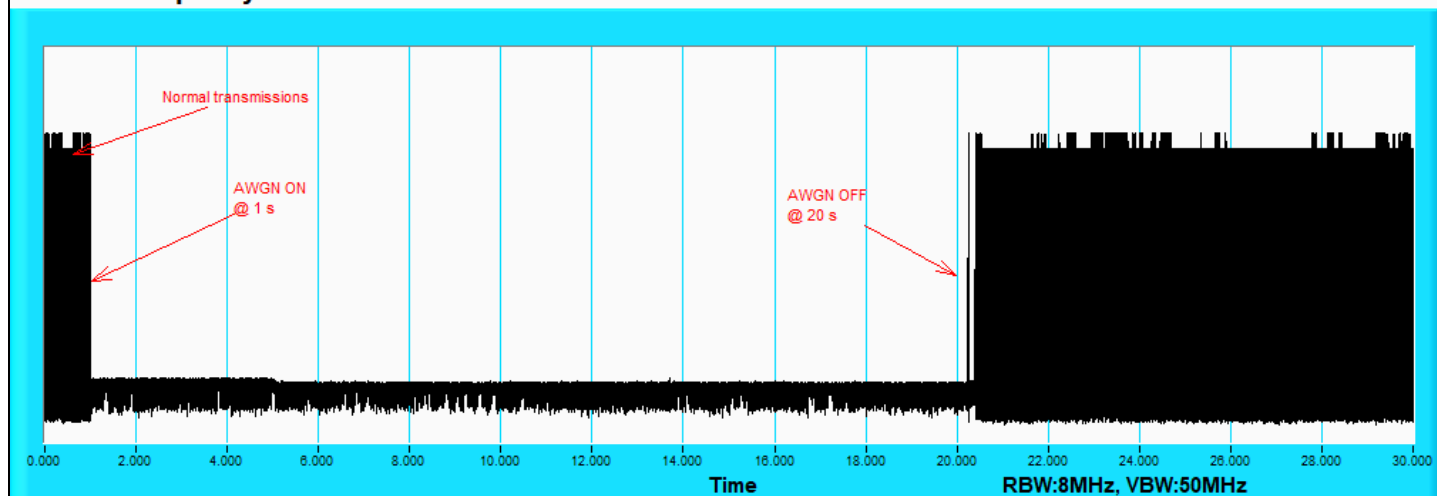
Plots of Adaptivity



802.11ax (HE20) / CH105

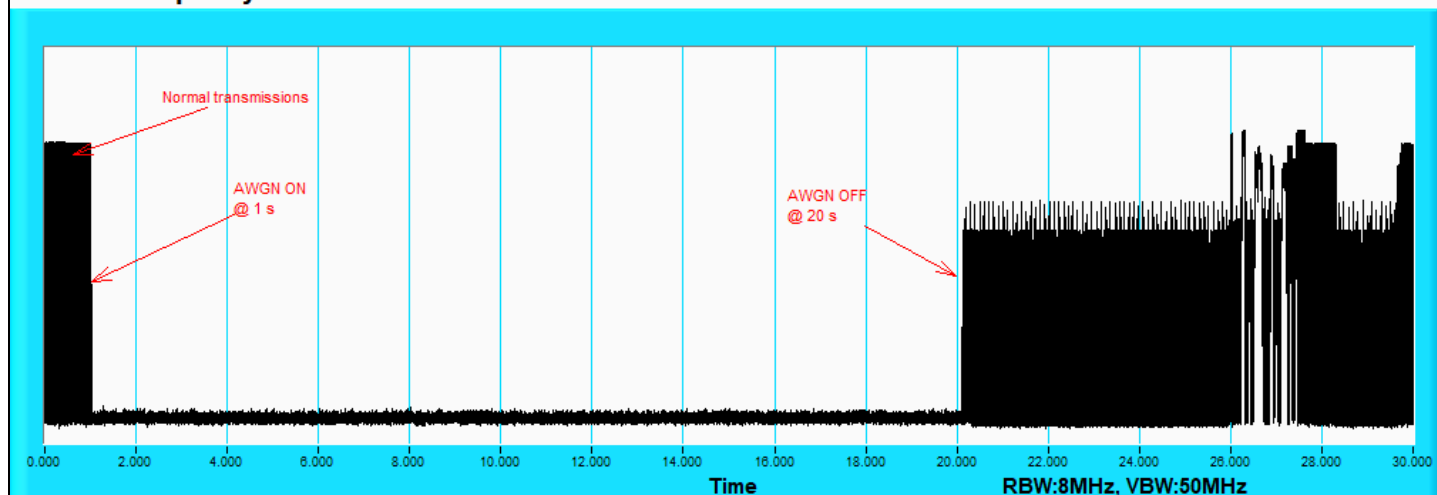
Plots of EUT ceased transmission in the time domain

Plots of Adaptivity



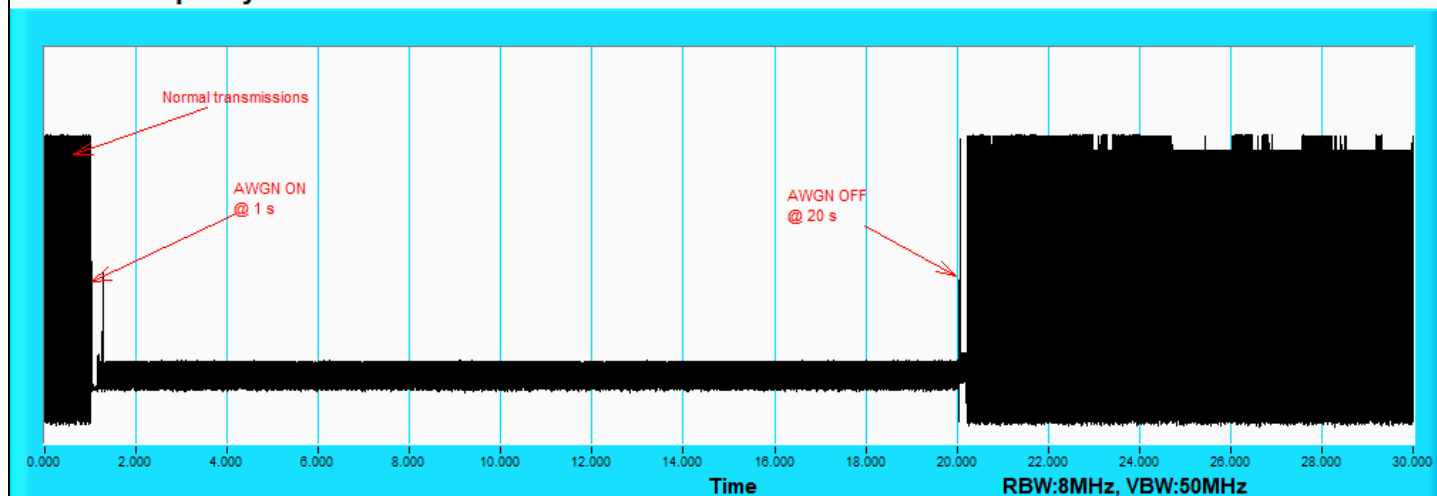
802.11ax (HE160) / CH111(Low Edge)

Plots of Adaptivity



802.11ax (HE160) / CH111(Middle)

Plots of Adaptivity



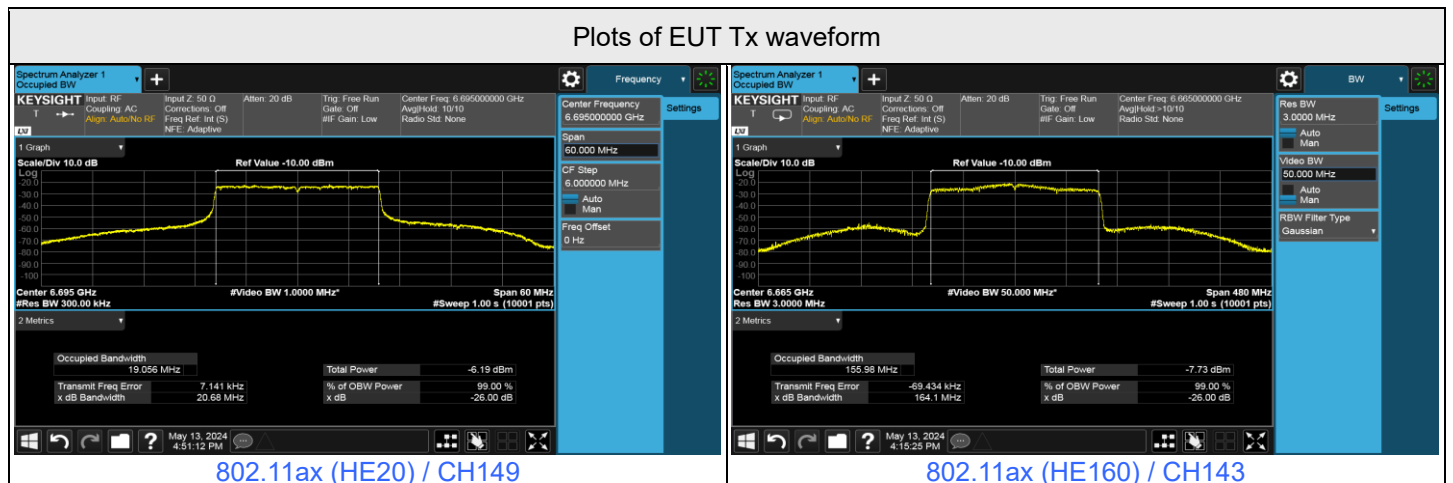
802.11ax (HE160) / CH111(High Edge)

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	149	6695	6695	-73	0.52	0	-73.52	-62	OFF
					-75	0.52	0	-75.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
	160	143	6665	6590	-67	0.52	0	-67.52	-62	OFF
					-69	0.52	0	-69.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
		143	6665	6665	-65	0.52	0	-65.52	-62	OFF
					-67	0.52	0	-67.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
		143	6665	6740	-70	0.52	0	-70.52	-62	OFF
					-72	0.52	0	-72.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON

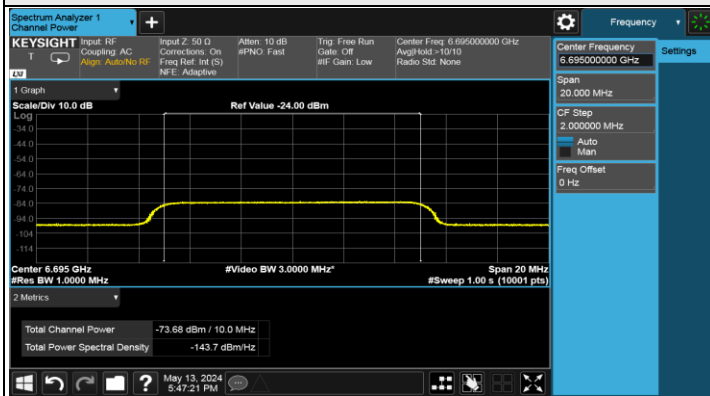
Notes:

1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. The EUT is supported bandwidth reduction.

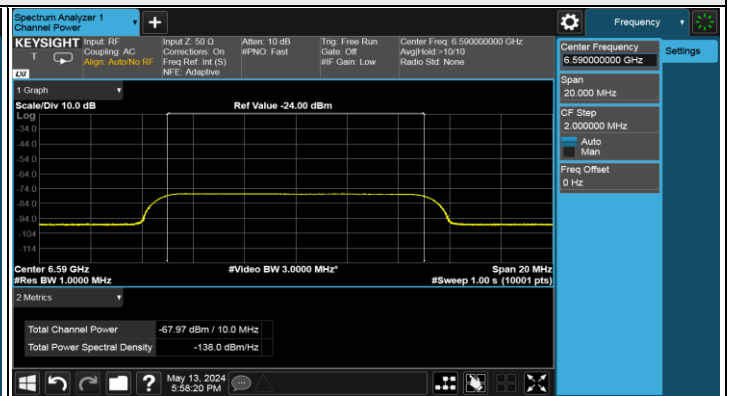
Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6695	V	V	V	V	V	V	V	X	V	V	90%	90%	Pass
	160	6590	V	V	X	V	V	V	V	V	V	V	90%	90%	Pass
		6665	V	V	V	V	V	V	V	V	V	V	100%	90%	Pass
		6740	V	V	V	X	V	V	V	V	V	V	90%	90%	Pass



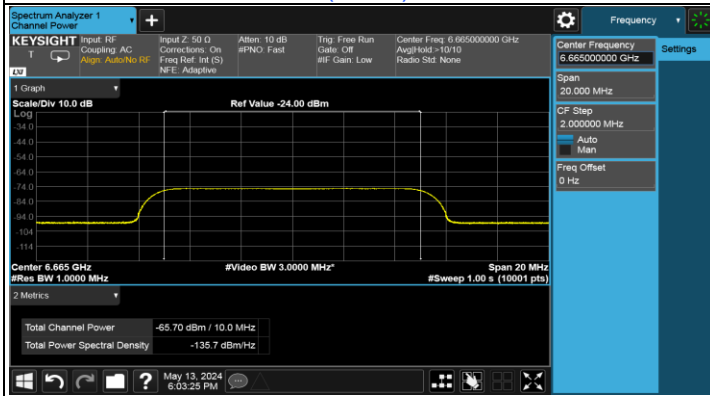
Plots of Injected signal (AWGN) level



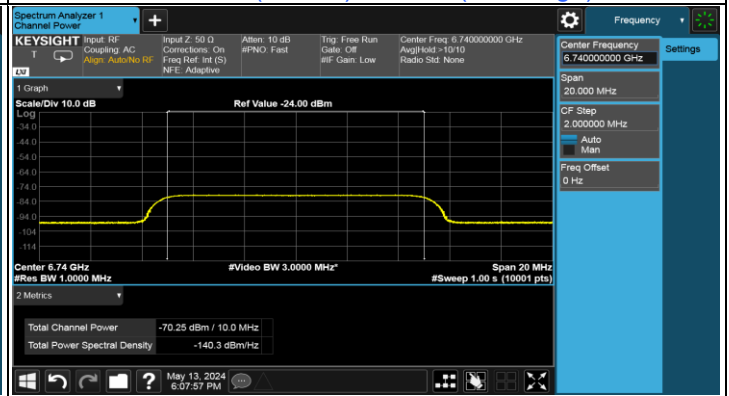
802.11ax (HE20) / CH149



802.11ax (HE160) / CH143(Low Edge)



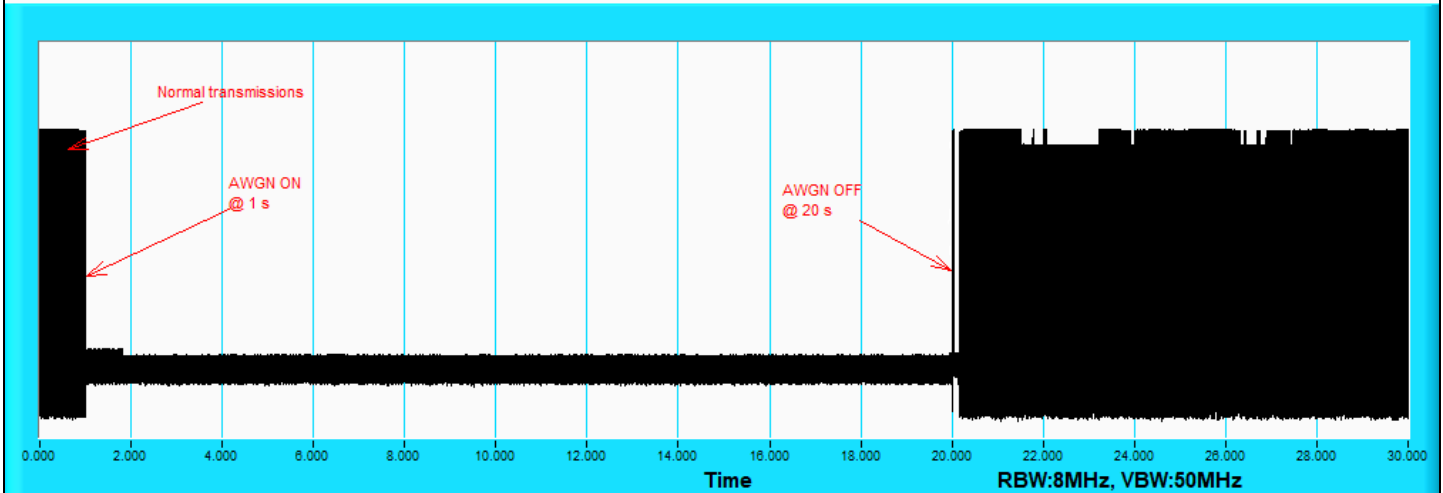
802.11ax (HE160) / CH143(Middle)



802.11ax (HE160) / CH143(High Edge)

Plots of EUT ceased transmission in the time domain

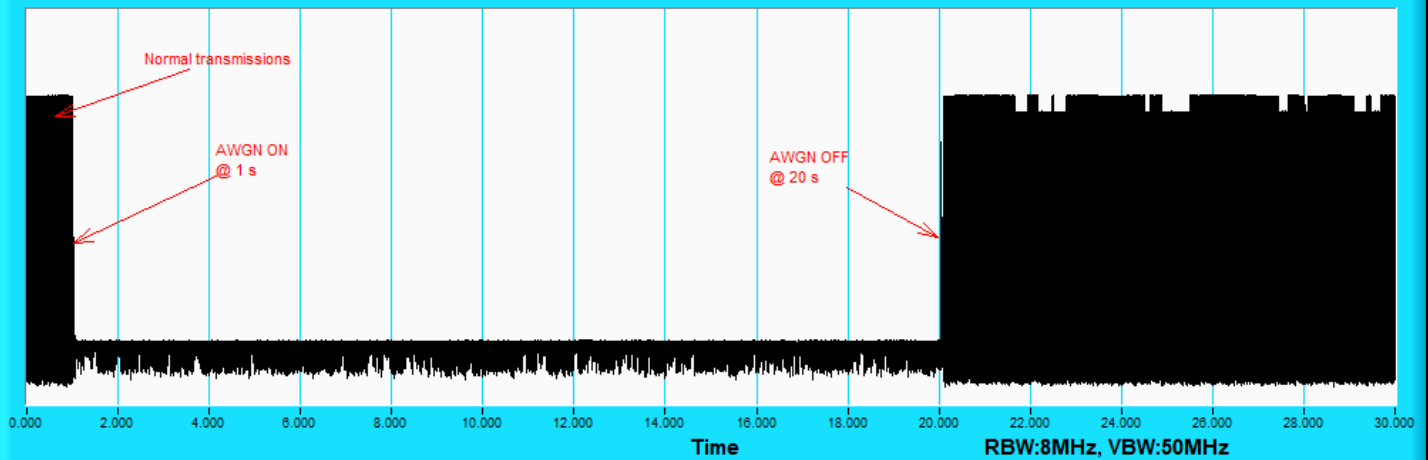
Plots of Adaptivity



802.11ax (HE20) / CH149

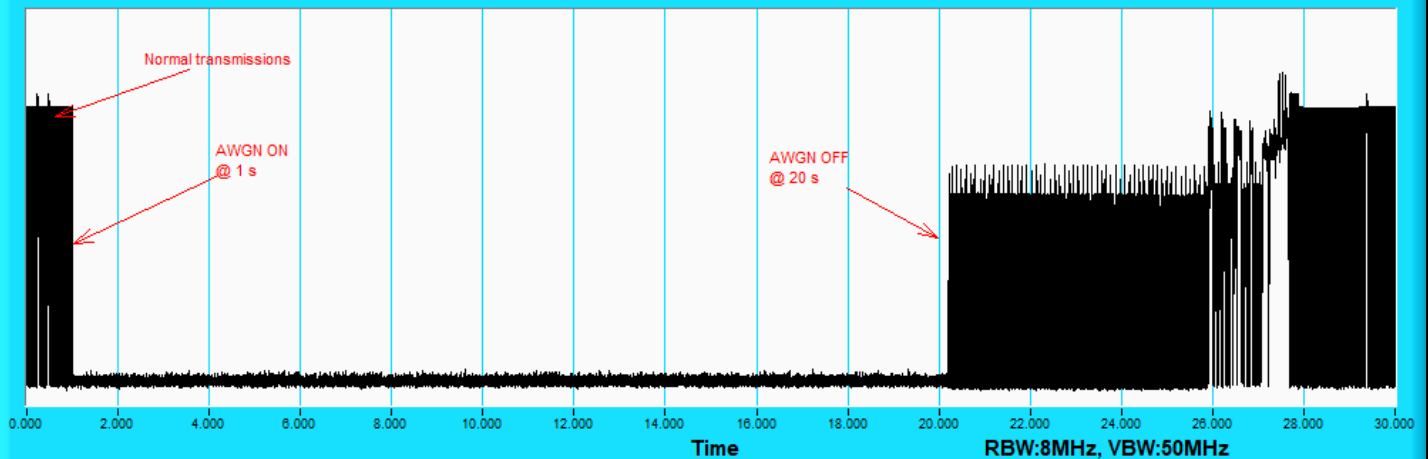
Plots of EUT ceased transmission in the time domain

Plots of Adaptivity



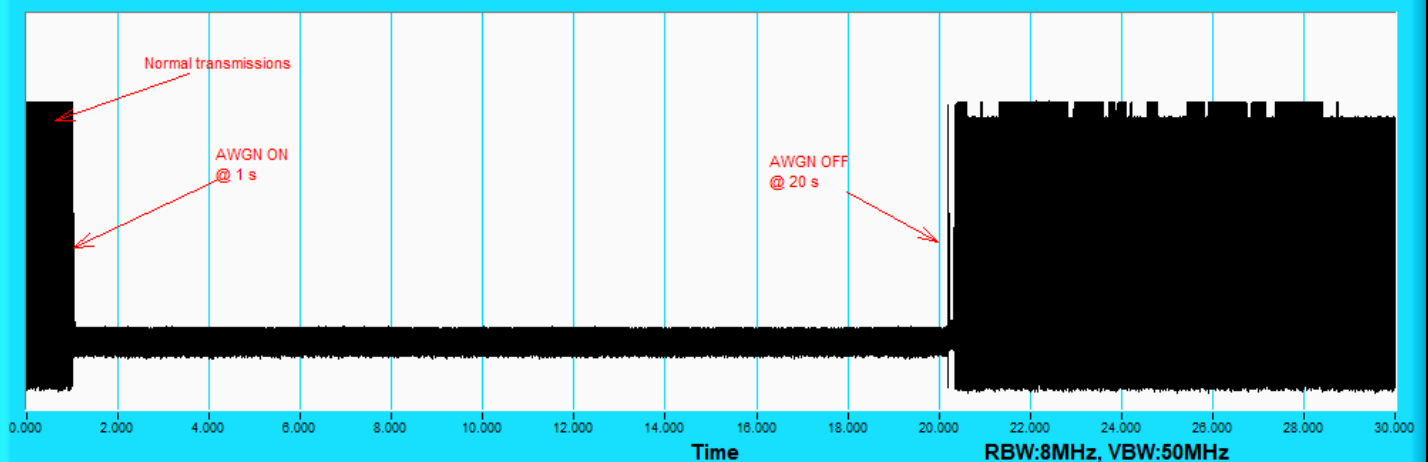
802.11ax (HE160) / CH143(Low Edge)

Plots of Adaptivity



802.11ax (HE160) / CH143(Middle)

Plots of Adaptivity



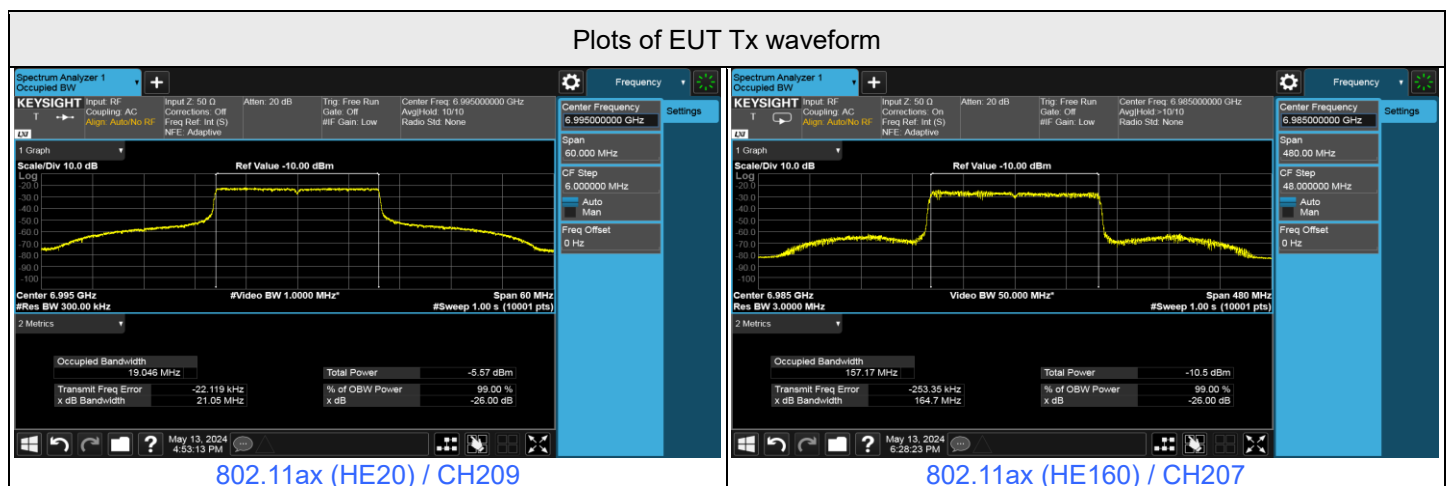
802.11ax (HE160) / CH143(High Edge)

Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	209	6995	6995	-73	0.52	0	-73.52	-62	OFF
					-75	0.52	0	-75.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
	160	207	6910	6910	-69	0.52	0	-69.52	-62	OFF
					-71	0.52	0	-71.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
		207	6985	6985	-62	0.52	0	-62.52	-62	OFF
					-64	0.52	0	-64.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON
		207	7060	7060	-70	0.52	0	-70.52	-62	OFF
					-72	0.52	0	-72.52	-62	Minimal
					-82	0.52	0	-82.52	-62	ON

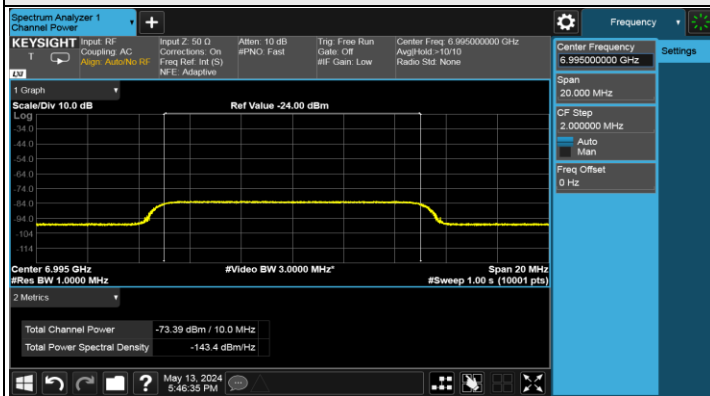
Notes:

1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.
4. The EUT is supported bandwidth reduction.

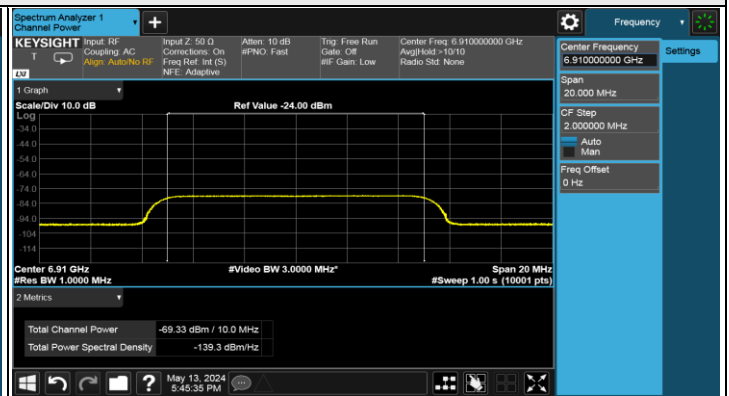
Contention Based Protocol Detection Probability															
Operation Mode	Channel Bandwidth (MHz)	AWGN Signal Freq. (MHz)	#01	#02	#03	#04	#05	#06	#07	#08	#09	#10	Detection Probability	Detection Limit	Test Result
802.11ax	20	6995	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass
	160	6910	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6985	v	v	x	v	v	v	v	v	v	v	90%	90%	Pass
		7060	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass



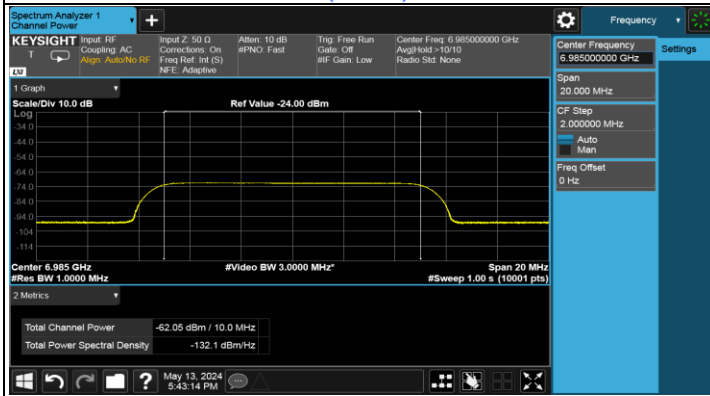
Plots of Injected signal (AWGN) level



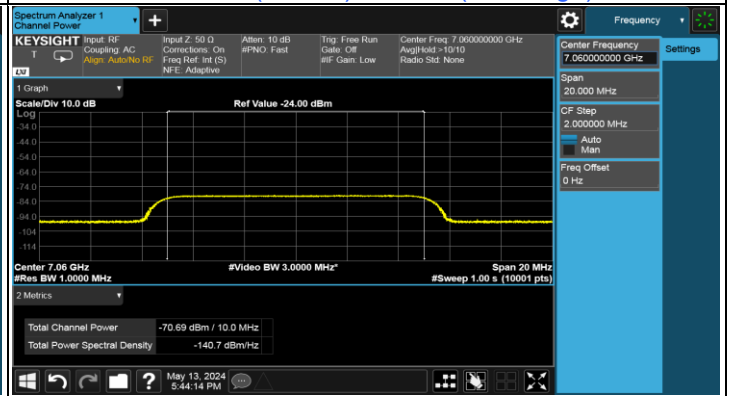
802.11ax (HE20) / CH209



802.11ax (HE160) / CH207(Low Edge)



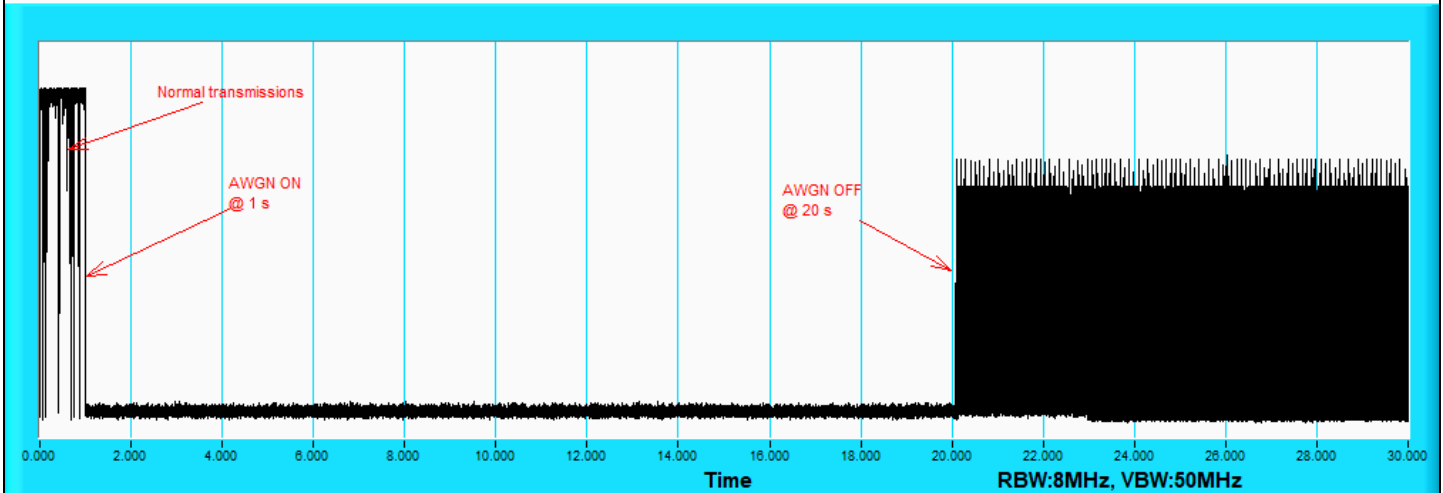
802.11ax (HE160) / CH207(Middle)



802.11ax (HE160) / CH207(High Edge)

Plots of EUT ceased transmission in the time domain

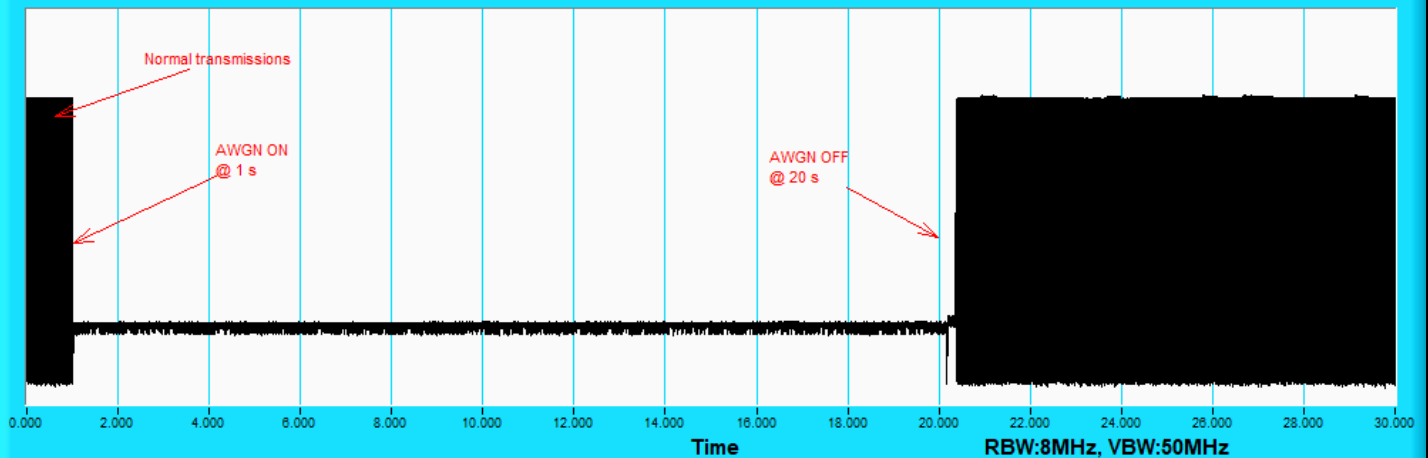
Plots of Adaptivity



802.11ax (HE20) / CH209

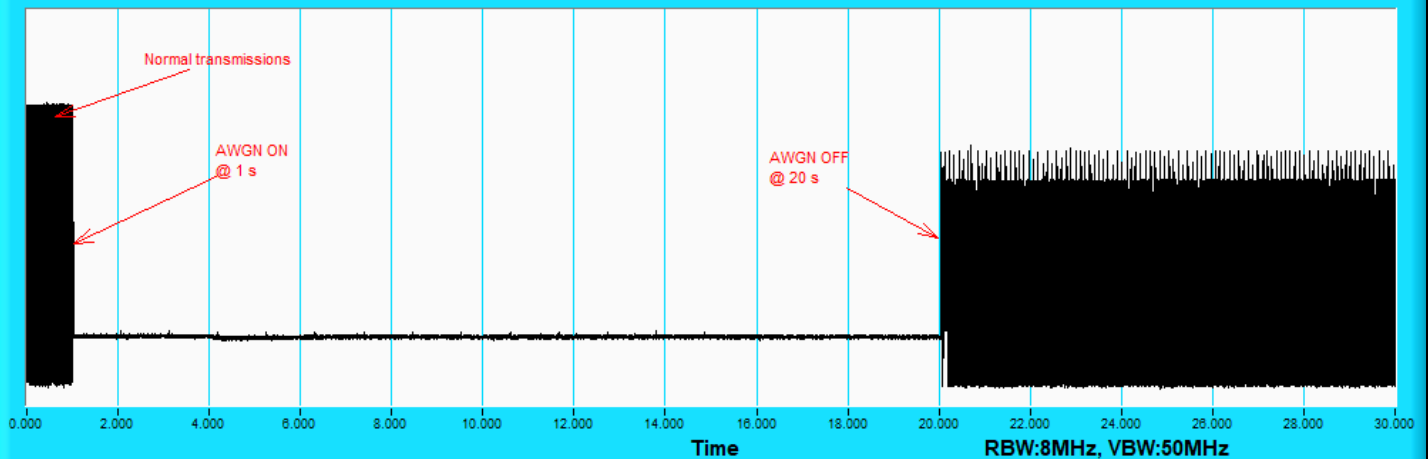
Plots of EUT ceased transmission in the time domain

Plots of Adaptivity



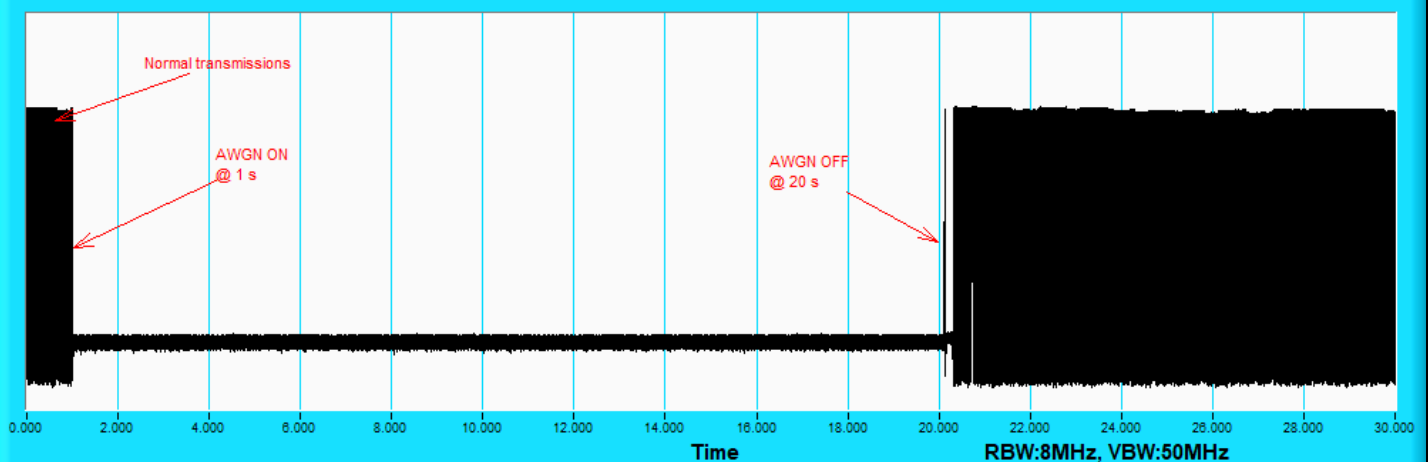
802.11ax (HE160) / CH207(Low Edge)

Plots of Adaptivity



802.11ax (HE160) / CH207(Middle)

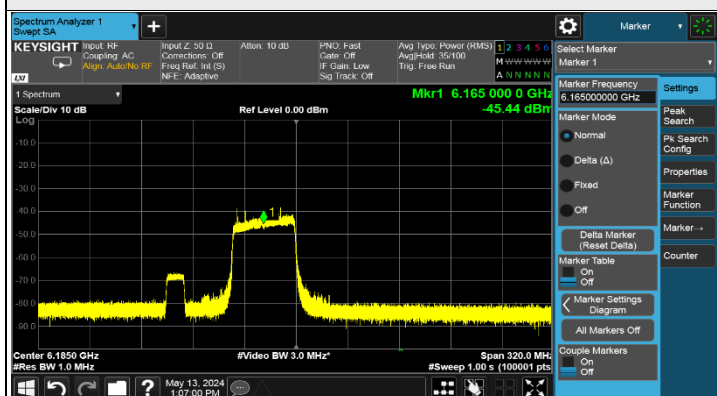
Plots of Adaptivity



802.11ax (HE160) / CH207(High Edge)

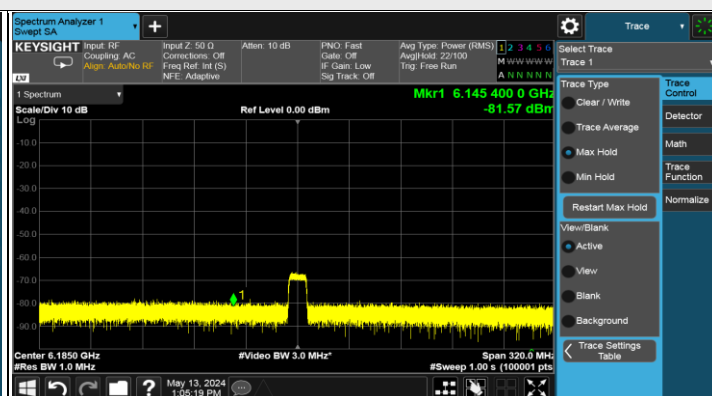
For Verify bandwidth reduction

Plots of EUT ceased transmission in the frequency domain



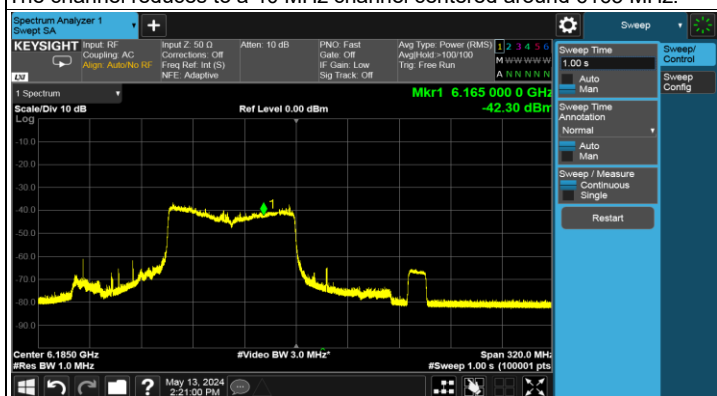
802.11ax (HE160) / CH47 (Low Edge)

A 10 MHz AWGN signal (centered at 6110 MHz) is injected.
The channel reduces to a 40 MHz channel centered around 6165 MHz.



802.11ax (HE160) / CH47 (Middle)

A 10 MHz AWGN signal (centered at 6185 MHz) is injected.
The channel completely ceases operation.



802.11ax (HE160) / CH47 (High Edge)

A 10 MHz AWGN signal (centered at 6260 MHz) is injected.
The channel reduces to a 80 MHz channel centered around 6145 MHz.

7.3 AC Power Conducted Emissions

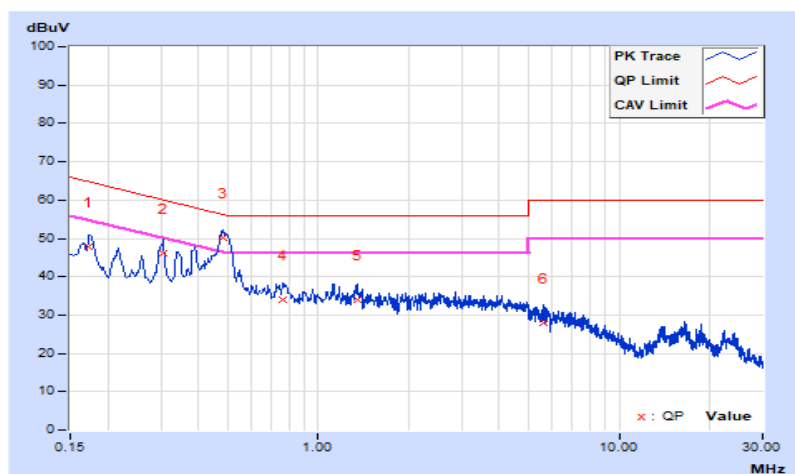
Mode A (Under control by Low-power Indoor Client)

RF Mode	802.11ax (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	0.17347	10.40	37.49	27.99	47.89	38.39	64.79	54.79	-16.90	-16.40
2	0.30644	10.47	35.63	30.47	46.10	40.94	60.07	50.07	-13.97	-9.13
3	0.48043	10.52	39.69	32.21	50.21	42.73	56.33	46.33	-6.12	-3.60
4	0.76188	10.54	23.53	16.01	34.07	26.55	56.00	46.00	-21.93	-19.45
5	1.34478	10.56	23.34	17.26	33.90	27.82	56.00	46.00	-22.10	-18.18
6	5.61012	10.69	17.09	11.44	27.78	22.13	60.00	50.00	-32.22	-27.87

Remarks:

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

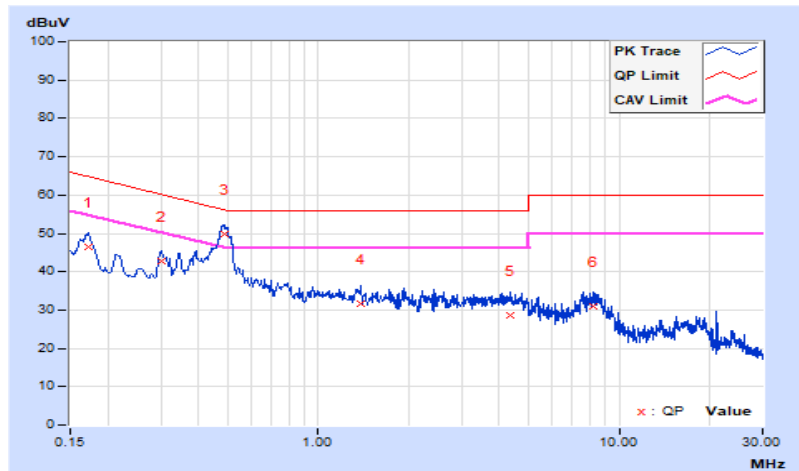


RF Mode	802.11ax (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	0.17192	10.45	35.99	25.80	46.44	36.25	64.87	54.87	-18.43	-18.62
2	0.30056	10.52	32.20	28.59	42.72	39.11	60.23	50.23	-17.51	-11.12
3	0.48635	10.56	39.29	32.53	49.85	43.09	56.23	46.23	-6.38	-3.14
4	1.38389	10.60	20.96	14.95	31.56	25.55	56.00	46.00	-24.44	-20.45
5	4.34842	10.76	17.97	12.30	28.73	23.06	56.00	46.00	-27.27	-22.94
6	8.18746	10.81	20.17	12.25	30.98	23.06	60.00	50.00	-29.02	-26.94

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



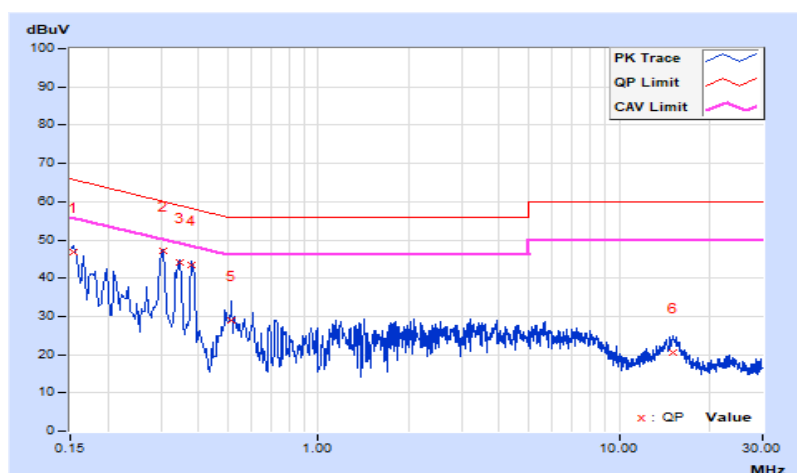
Mode B (Under control by Standard Client)

RF Mode	802.11a	Channel	CH 93 : 6415 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	0.15400	10.38	36.56	22.35	46.94	32.73	65.78	55.78	-18.84	-23.05
2	0.30390	10.47	36.54	34.08	47.01	44.55	60.14	50.14	-13.13	-5.59
3	0.34578	10.49	33.69	29.65	44.18	40.14	59.06	49.06	-14.88	-8.92
4	0.37800	10.50	33.08	25.13	43.58	35.63	58.32	48.32	-14.74	-12.69
5	0.51400	10.52	18.40	10.55	28.92	21.07	56.00	46.00	-27.08	-24.93
6	15.08600	10.94	9.76	3.50	20.70	14.44	60.00	50.00	-39.30	-35.56

Remarks:

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

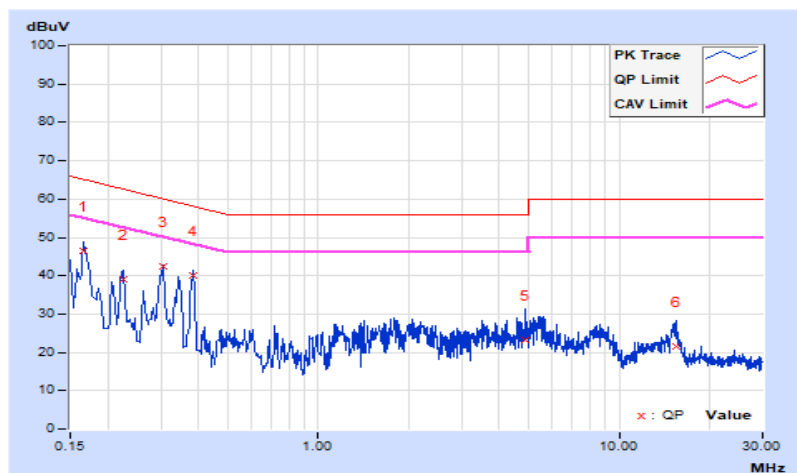


RF Mode	802.11a	Channel	CH 93 : 6415 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

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	0.16600	10.44	36.02	22.63	46.46	33.07	65.16	55.16	-18.70	-22.09
2	0.22505	10.48	28.71	19.86	39.19	30.34	62.63	52.63	-23.44	-22.29
3	0.30550	10.52	31.92	28.51	42.44	39.03	60.09	50.09	-17.65	-11.06
4	0.38600	10.55	29.39	24.58	39.94	35.13	58.15	48.15	-18.21	-13.02
5	4.87800	10.76	12.58	1.76	23.34	12.52	56.00	46.00	-32.66	-33.48
6	15.44200	11.07	10.63	4.02	21.70	15.09	60.00	50.00	-38.30	-34.91

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



7.4 Unwanted Emissions below 1 GHz

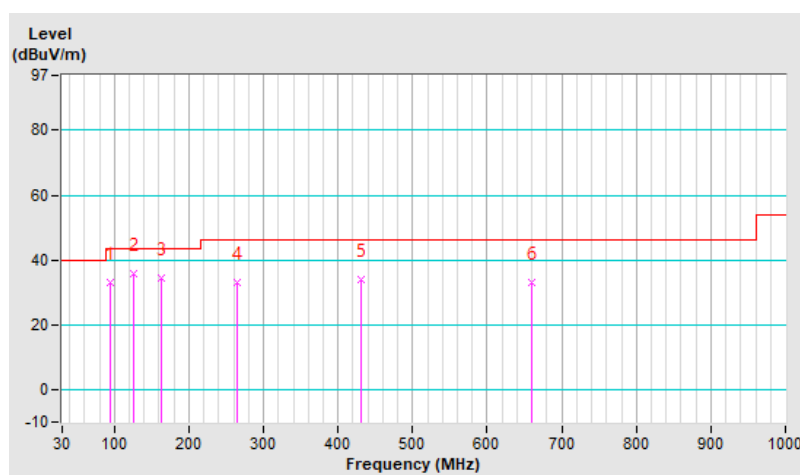
Mode A (Under control by Low-power Indoor Client)

RF Mode	802.11ax (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	94.02	33.1 QP	43.5	-10.4	2.00 H	180	47.7	-14.6
2	126.03	35.7 QP	43.5	-7.8	2.00 H	172	46.5	-10.8
3	162.89	34.5 QP	43.5	-9.0	1.50 H	164	43.6	-9.1
4	263.77	33.2 QP	46.0	-12.8	1.00 H	100	42.2	-9.0
5	431.58	34.1 QP	46.0	-11.9	2.00 H	275	39.4	-5.3
6	659.53	33.2 QP	46.0	-12.8	1.00 H	255	33.9	-0.7

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

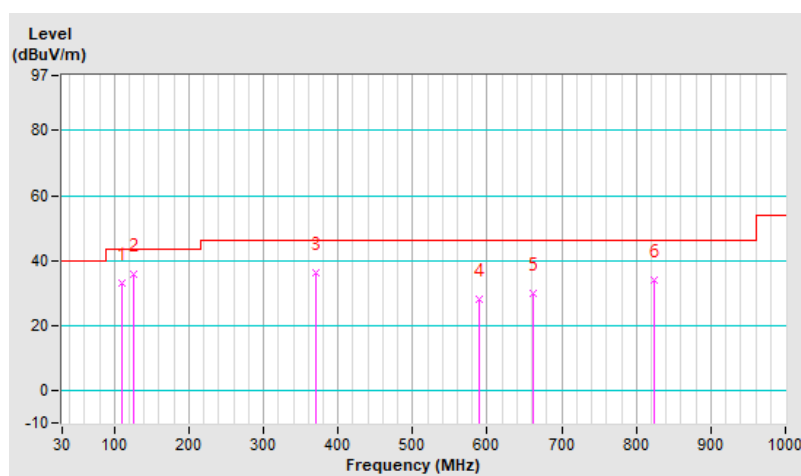


RF Mode	802.11ax (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	110.51	33.1 QP	43.5	-10.4	1.00 V	14	45.5	-12.4
2	126.03	35.8 QP	43.5	-7.7	1.00 V	14	46.6	-10.8
3	369.50	36.3 QP	46.0	-9.7	1.00 V	158	42.8	-6.5
4	589.69	28.3 QP	46.0	-17.7	1.51 V	165	30.4	-2.1
5	661.47	29.8 QP	46.0	-16.2	1.51 V	52	30.5	-0.7
6	824.43	33.9 QP	46.0	-12.1	1.00 V	264	31.3	2.6

Remarks:

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



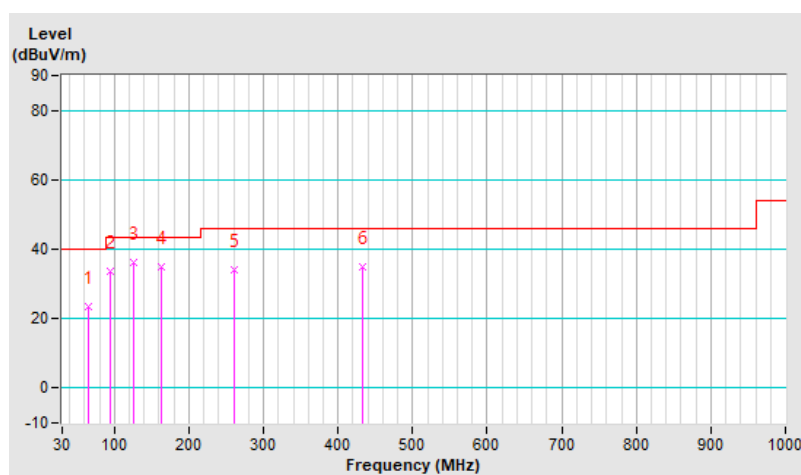
Mode B (Under control by Standard Client)

RF Mode	802.11a	Channel	CH 93 : 6415 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	66.01	23.4 QP	40.0	-16.6	1.00 H	266	34.2	-10.8
2	93.88	33.5 QP	43.5	-10.0	1.50 H	199	48.1	-14.6
3	125.55	36.3 QP	43.5	-7.2	2.00 H	188	47.2	-10.9
4	163.32	35.0 QP	43.5	-8.5	1.50 H	177	44.1	-9.1
5	261.55	34.0 QP	46.0	-12.0	1.50 H	111	43.1	-9.1
6	433.36	35.0 QP	46.0	-11.0	2.00 H	288	40.1	-5.1

Remarks:

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

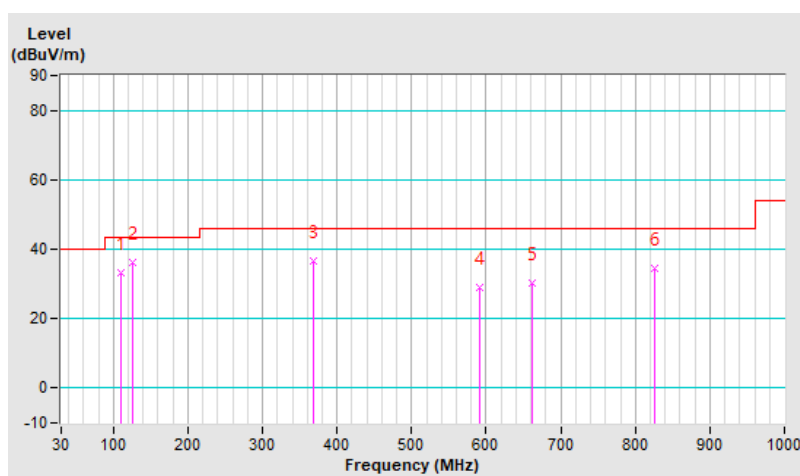


RF Mode	802.11a	Channel	CH 93 : 6415 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Adair Peng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	110.22	33.3 QP	43.5	-10.2	1.00 V	55	45.7	-12.4
2	125.55	36.2 QP	43.5	-7.3	1.50 V	55	47.1	-10.9
3	368.22	36.6 QP	46.0	-9.4	1.50 V	177	43.1	-6.5
4	590.55	29.1 QP	46.0	-16.9	1.51 V	177	31.2	-2.1
5	661.22	30.2 QP	46.0	-15.8	1.51 V	55	30.9	-0.7
6	825.55	34.5 QP	46.0	-11.5	1.00 V	277	31.9	2.6

Remarks:

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



7.5 Unwanted Emissions above 1 GHz

Mode A (Under control by Low-power Indoor Client)

RF Mode	802.11a	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.0 PK	88.2	-12.2	2.63 H	250	69.9	6.1
2	#5925.00	60.9 AV	68.2	-7.3	2.63 H	250	54.8	6.1
3	*5935.00	98.7 PK			2.63 H	250	58.0	40.7
4	*5935.00	88.8 AV			2.63 H	250	48.1	40.7
5	11870.00	55.2 PK	74.0	-18.8	2.37 H	195	40.3	14.9
6	11870.00	42.7 AV	54.0	-11.3	2.37 H	195	27.8	14.9
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	#5925.00	82.5 PK	88.2	-5.7	2.00 V	356	76.4	6.1
2	#5925.00	67.4 AV	68.2	-0.8	2.00 V	356	61.3	6.1
3	*5935.00	108.0 PK			2.00 V	356	67.3	40.7
4	*5935.00	97.8 AV			2.00 V	356	57.1	40.7
5	11870.00	55.4 PK	74.0	-18.6	1.88 V	277	40.5	14.9
6	11870.00	42.9 AV	54.0	-11.1	1.88 V	277	28.0	14.9

Remarks:

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

RF Mode	802.11a	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	68.3 PK	88.2	-19.9	2.58 H	246	62.2	6.1
2	#5925.00	51.9 AV	68.2	-16.3	2.58 H	246	45.8	6.1
3	*5955.00	107.5 PK			2.58 H	246	66.7	40.8
4	*5955.00	97.4 AV			2.58 H	246	56.6	40.8
5	11910.00	54.9 PK	74.0	-19.1	2.40 H	186	40.0	14.9
6	11910.00	42.9 AV	54.0	-11.1	2.40 H	186	28.0	14.9
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	#5925.00	75.8 PK	88.2	-12.4	2.05 V	356	69.7	6.1
2	#5925.00	58.3 AV	68.2	-9.9	2.05 V	356	52.2	6.1
3	*5955.00	116.2 PK			2.05 V	356	75.4	40.8
4	*5955.00	106.4 AV			2.05 V	356	65.6	40.8
5	11910.00	55.2 PK	74.0	-18.8	1.90 V	267	40.3	14.9
6	11910.00	43.1 AV	54.0	-10.9	1.90 V	267	28.2	14.9

Remarks:

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

RF Mode	802.11a	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	105.2 PK			2.57 H	246	64.2	41.0
2	*6175.00	95.5 AV			2.57 H	246	54.5	41.0
3	12350.00	57.2 PK	74.0	-16.8	2.36 H	190	42.4	14.8
4	12350.00	44.1 AV	54.0	-9.9	2.36 H	190	29.3	14.8
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	*6175.00	114.2 PK			1.83 V	356	73.2	41.0
2	*6175.00	104.5 AV			1.83 V	356	63.5	41.0
3	12350.00	57.4 PK	74.0	-16.6	1.94 V	262	42.6	14.8
4	12350.00	44.3 AV	54.0	-9.7	1.94 V	262	29.5	14.8

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 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	108.4 PK			2.55 H	246	66.6	41.8
2	*6415.00	97.7 AV			2.55 H	246	55.9	41.8
3	#12830.00	56.5 PK	88.2	-31.7	2.30 H	189	39.8	16.7
4	#12830.00	44.2 AV	68.2	-24.0	2.30 H	189	27.5	16.7
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	*6415.00	117.6 PK			1.93 V	357	75.8	41.8
2	*6415.00	106.8 AV			1.93 V	357	65.0	41.8
3	#12830.00	56.7 PK	88.2	-31.5	1.90 V	258	40.0	16.7
4	#12830.00	44.4 AV	68.2	-23.8	1.90 V	258	27.7	16.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	68.8 PK	88.2	-19.4	2.67 H	251	62.7	6.1
2	#5925.00	54.5 AV	68.2	-13.7	2.67 H	251	48.4	6.1
3	*5935.00	83.9 PK			2.67 H	251	43.2	40.7
4	*5935.00	70.8 AV			2.67 H	251	30.1	40.7
5	11870.00	55.9 PK	74.0	-18.1	2.31 H	190	41.0	14.9
6	11870.00	43.1 AV	54.0	-10.9	2.31 H	190	28.2	14.9
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	#5925.00	74.1 PK	88.2	-14.1	1.96 V	15	68.0	6.1
2	#5925.00	64.0 AV	68.2	-4.2	1.96 V	15	57.9	6.1
3	*5935.00	92.4 PK			1.96 V	15	51.7	40.7
4	*5935.00	79.3 AV			1.96 V	15	38.6	40.7
5	11870.00	56.1 PK	74.0	-17.9	1.94 V	256	41.2	14.9
6	11870.00	43.3 AV	54.0	-10.7	1.94 V	256	28.4	14.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	64.2 PK	88.2	-24.0	2.50 H	245	58.1	6.1
2	#5925.00	47.5 AV	68.2	-20.7	2.50 H	245	41.4	6.1
3	*5955.00	107.7 PK			2.50 H	245	66.9	40.8
4	*5955.00	94.8 AV			2.50 H	245	54.0	40.8
5	11910.00	55.0 PK	74.0	-19.0	2.39 H	187	40.1	14.9
6	11910.00	42.8 AV	54.0	-11.2	2.39 H	187	27.9	14.9
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	#5925.00	66.7 PK	88.2	-21.5	2.06 V	351	60.6	6.1
2	#5925.00	52.3 AV	68.2	-15.9	2.06 V	351	46.2	6.1
3	*5955.00	117.0 PK			2.06 V	351	76.2	40.8
4	*5955.00	103.7 AV			2.06 V	351	62.9	40.8
5	11910.00	55.2 PK	74.0	-18.8	1.85 V	260	40.3	14.9
6	11910.00	43.0 AV	54.0	-11.0	1.85 V	260	28.1	14.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	108.3 PK			2.52 H	250	67.3	41.0
2	*6175.00	95.0 AV			2.52 H	250	54.0	41.0
3	12350.00	57.5 PK	74.0	-16.5	2.40 H	185	42.7	14.8
4	12350.00	44.4 AV	54.0	-9.6	2.40 H	185	29.6	14.8
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	*6175.00	117.1 PK			1.83 V	358	76.1	41.0
2	*6175.00	103.9 AV			1.83 V	358	62.9	41.0
3	12350.00	57.8 PK	74.0	-16.2	1.88 V	256	43.0	14.8
4	12350.00	44.8 AV	54.0	-9.2	1.88 V	256	30.0	14.8

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 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	110.4 PK			2.59 H	244	68.6	41.8
2	*6415.00	97.4 AV			2.59 H	244	55.6	41.8
3	#12830.00	57.6 PK	88.2	-30.6	2.42 H	189	40.9	16.7
4	#12830.00	44.7 AV	68.2	-23.5	2.42 H	189	28.0	16.7
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	*6415.00	119.2 PK			2.02 V	358	77.4	41.8
2	*6415.00	106.2 AV			2.02 V	358	64.4	41.8
3	#12830.00	57.8 PK	88.2	-30.4	1.91 V	265	41.1	16.7
4	#12830.00	45.0 AV	68.2	-23.2	1.91 V	265	28.3	16.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 3 : 5965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.4 PK	88.2	-12.8	2.67 H	250	69.3	6.1
2	#5925.00	60.2 AV	68.2	-8.0	2.67 H	250	54.1	6.1
3	*5965.00	105.8 PK			2.67 H	250	65.0	40.8
4	*5965.00	92.5 AV			2.67 H	250	51.7	40.8
5	11930.00	56.6 PK	74.0	-17.4	2.29 H	193	41.7	14.9
6	11930.00	43.7 AV	54.0	-10.3	2.29 H	193	28.8	14.9
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	#5925.00	81.8 PK	88.2	-6.4	1.93 V	357	75.7	6.1
2	#5925.00	67.2 AV	68.2	-1.0	1.93 V	357	61.1	6.1
3	*5965.00	114.1 PK			1.93 V	357	73.3	40.8
4	*5965.00	101.3 AV			1.93 V	357	60.5	40.8
5	11930.00	56.9 PK	74.0	-17.1	1.84 V	260	42.0	14.9
6	11930.00	43.9 AV	54.0	-10.1	1.84 V	260	29.0	14.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 43 : 6165 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6165.00	104.5 PK			2.50 H	245	63.5	41.0
2	*6165.00	91.8 AV			2.50 H	245	50.8	41.0
3	12330.00	57.9 PK	74.0	-16.1	2.28 H	181	43.0	14.9
4	12330.00	45.2 AV	54.0	-8.8	2.28 H	181	30.3	14.9
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	*6165.00	113.3 PK			1.87 V	357	72.3	41.0
2	*6165.00	100.7 AV			1.87 V	357	59.7	41.0
3	12330.00	58.3 PK	74.0	-15.7	1.79 V	251	43.4	14.9
4	12330.00	45.6 AV	54.0	-8.4	1.79 V	251	30.7	14.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 91 : 6405 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	106.6 PK			2.60 H	243	64.8	41.8
2	*6405.00	94.0 AV			2.60 H	243	52.2	41.8
3	#12810.00	56.8 PK	88.2	-31.4	2.42 H	188	40.2	16.6
4	#12810.00	44.5 AV	68.2	-23.7	2.42 H	188	27.9	16.6
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	*6405.00	115.5 PK			1.90 V	358	73.7	41.8
2	*6405.00	102.9 AV			1.90 V	358	61.1	41.8
3	#12810.00	57.1 PK	88.2	-31.1	1.83 V	263	40.5	16.6
4	#12810.00	44.8 AV	68.2	-23.4	1.83 V	263	28.2	16.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 7 : 5985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	71.9 PK	88.2	-16.3	2.68 H	222	65.8	6.1
2	#5925.00	58.4 AV	68.2	-9.8	2.68 H	222	52.3	6.1
3	*5985.00	100.1 PK			2.68 H	222	59.2	40.9
4	*5985.00	88.8 AV			2.68 H	222	47.9	40.9
5	11970.00	55.7 PK	74.0	-18.3	2.36 H	188	40.9	14.8
6	11970.00	43.1 AV	54.0	-10.9	2.36 H	188	28.3	14.8
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	#5925.00	80.9 PK	88.2	-7.3	1.70 V	356	74.8	6.1
2	#5925.00	67.2 AV	68.2	-1.0	1.70 V	356	61.1	6.1
3	*5985.00	110.2 PK			1.70 V	356	69.3	40.9
4	*5985.00	96.8 AV			1.70 V	356	55.9	40.9
5	11970.00	56.1 PK	74.0	-17.9	1.89 V	264	41.3	14.8
6	11970.00	43.4 AV	54.0	-10.6	1.89 V	264	28.6	14.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 39 : 6145 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6145.00	99.9 PK			2.70 H	223	59.0	40.9
2	*6145.00	88.7 AV			2.70 H	223	47.8	40.9
3	12290.00	56.0 PK	74.0	-18.0	2.35 H	192	41.1	14.9
4	12290.00	42.9 AV	54.0	-11.1	2.35 H	192	28.0	14.9
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	*6145.00	109.4 PK			1.78 V	355	68.5	40.9
2	*6145.00	97.0 AV			1.78 V	355	56.1	40.9
3	12290.00	56.4 PK	74.0	-17.6	1.88 V	267	41.5	14.9
4	12290.00	43.3 AV	54.0	-10.7	1.88 V	267	28.4	14.9

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 87 : 6385 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	102.0 PK			2.67 H	222	60.1	41.9
2	*6385.00	90.1 AV			2.67 H	222	48.2	41.9
3	#12770.00	57.7 PK	88.2	-30.5	2.39 H	190	41.2	16.5
4	#12770.00	44.8 AV	68.2	-23.4	2.39 H	190	28.3	16.5
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	*6385.00	112.2 PK			1.86 V	358	70.3	41.9
2	*6385.00	99.1 AV			1.86 V	358	57.2	41.9
3	#12770.00	57.9 PK	88.2	-30.3	1.85 V	264	41.4	16.5
4	#12770.00	45.0 AV	68.2	-23.2	1.85 V	264	28.5	16.5

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 (HE160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	70.5 PK	88.2	-17.7	2.71 H	221	64.4	6.1
2	#5925.00	57.3 AV	68.2	-10.9	2.71 H	221	51.2	6.1
3	*6025.00	96.9 PK			2.71 H	221	56.0	40.9
4	*6025.00	84.9 AV			2.71 H	221	44.0	40.9
5	12050.00	55.9 PK	74.0	-18.1	2.44 H	192	40.8	15.1
6	12050.00	43.3 AV	54.0	-10.7	2.44 H	192	28.2	15.1
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	#5925.00	78.2 PK	88.2	-10.0	1.86 V	354	72.1	6.1
2	#5925.00	66.1 AV	68.2	-2.1	1.86 V	354	60.0	6.1
3	*6025.00	107.5 PK			1.86 V	354	66.6	40.9
4	*6025.00	94.5 AV			1.86 V	354	53.6	40.9
5	12050.00	56.6 PK	74.0	-17.4	1.92 V	272	41.5	15.1
6	12050.00	43.7 AV	54.0	-10.3	1.92 V	272	28.6	15.1

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 (HE160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6185.00	97.1 PK			2.70 H	223	56.0	41.1
2	*6185.00	85.1 AV			2.70 H	223	44.0	41.1
3	12370.00	55.9 PK	74.0	-18.1	2.45 H	193	41.1	14.8
4	12370.00	43.1 AV	54.0	-10.9	2.45 H	193	28.3	14.8
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	*6185.00	108.6 PK			1.83 V	356	67.5	41.1
2	*6185.00	95.6 AV			1.83 V	356	54.5	41.1
3	12370.00	56.0 PK	74.0	-18.0	1.93 V	264	41.2	14.8
4	12370.00	43.3 AV	54.0	-10.7	1.93 V	264	28.5	14.8

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 (HE160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6345.00	97.7 PK			2.71 H	222	55.8	41.9
2	*6345.00	86.1 AV			2.71 H	222	44.2	41.9
3	12690.00	56.9 PK	74.0	-17.1	2.43 H	195	40.8	16.1
4	12690.00	44.1 AV	54.0	-9.9	2.43 H	195	28.0	16.1
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	*6345.00	108.9 PK			1.84 V	353	67.0	41.9
2	*6345.00	95.7 AV			1.84 V	353	53.8	41.9
3	12690.00	57.6 PK	74.0	-16.4	1.87 V	264	41.5	16.1
4	12690.00	44.6 AV	54.0	-9.4	1.87 V	264	28.5	16.1

Remarks:

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

RF Mode	802.11a	Channel	CH 97 : 6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	91.8 PK			2.03 H	338	49.8	42.0
2	*6435.00	81.9 AV			2.03 H	338	39.9	42.0
3	#12870.00	57.3 PK	88.2	-30.9	2.42 H	185	40.3	17.0
4	#12870.00	44.1 AV	68.2	-24.1	2.42 H	185	27.1	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	100.6 PK			1.90 V	356	58.6	42.0
2	*6435.00	90.6 AV			1.90 V	356	48.6	42.0
3	#12870.00	57.5 PK	88.2	-30.7	1.87 V	265	40.5	17.0
4	#12870.00	44.5 AV	68.2	-23.7	1.87 V	265	27.5	17.0

Remarks:

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

RF Mode	802.11a	Channel	CH 105 : 6475 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	89.7 PK			2.03 H	341	47.6	42.1
2	*6475.00	79.7 AV			2.03 H	341	37.6	42.1
3	#12950.00	57.9 PK	88.2	-30.3	2.43 H	196	40.6	17.3
4	#12950.00	44.9 AV	68.2	-23.3	2.43 H	196	27.6	17.3
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	*6475.00	98.1 PK			1.97 V	356	56.0	42.1
2	*6475.00	87.9 AV			1.97 V	356	45.8	42.1
3	#12950.00	58.1 PK	88.2	-30.1	1.87 V	267	40.8	17.3
4	#12950.00	45.0 AV	68.2	-23.2	1.87 V	267	27.7	17.3

Remarks:

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

RF Mode	802.11a	Channel	CH 113 : 6515 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	88.7 PK			1.95 H	345	46.3	42.4
2	*6515.00	79.2 AV			1.95 H	345	36.8	42.4
3	#13030.00	58.0 PK	88.2	-30.2	2.36 H	184	40.7	17.3
4	#13030.00	44.5 AV	68.2	-23.7	2.36 H	184	27.2	17.3
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	*6515.00	97.6 PK			1.97 V	358	55.2	42.4
2	*6515.00	87.7 AV			1.97 V	358	45.3	42.4
3	#13030.00	58.1 PK	88.2	-30.1	1.92 V	260	40.8	17.3
4	#13030.00	44.8 AV	68.2	-23.4	1.92 V	260	27.5	17.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 97 : 6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	94.5 PK			2.03 H	342	52.5	42.0
2	*6435.00	81.4 AV			2.03 H	342	39.4	42.0
3	#12870.00	57.6 PK	88.2	-30.6	2.43 H	190	40.6	17.0
4	#12870.00	44.3 AV	68.2	-23.9	2.43 H	190	27.3	17.0
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	103.2 PK			1.72 V	357	61.2	42.0
2	*6435.00	89.9 AV			1.72 V	357	47.9	42.0
3	#12870.00	57.8 PK	88.2	-30.4	1.84 V	268	40.8	17.0
4	#12870.00	44.6 AV	68.2	-23.6	1.84 V	268	27.6	17.0

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 105 : 6475 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	92.9 PK			2.05 H	343	50.8	42.1
2	*6475.00	80.1 AV			2.05 H	343	38.0	42.1
3	#12950.00	57.8 PK	88.2	-30.4	2.45 H	190	40.5	17.3
4	#12950.00	44.8 AV	68.2	-23.4	2.45 H	190	27.5	17.3
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	*6475.00	101.6 PK			1.96 V	355	59.5	42.1
2	*6475.00	89.0 AV			1.96 V	355	46.9	42.1
3	#12950.00	58.0 PK	88.2	-30.2	1.88 V	263	40.7	17.3
4	#12950.00	45.0 AV	68.2	-23.2	1.88 V	263	27.7	17.3

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 113 : 6515 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	92.6 PK			2.03 H	344	50.2	42.4
2	*6515.00	79.7 AV			2.03 H	344	37.3	42.4
3	#13030.00	58.4 PK	88.2	-29.8	2.42 H	181	41.1	17.3
4	#13030.00	44.9 AV	68.2	-23.3	2.42 H	181	27.6	17.3
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	*6515.00	101.5 PK			1.79 V	357	59.1	42.4
2	*6515.00	88.5 AV			1.79 V	357	46.1	42.4
3	#13030.00	58.6 PK	88.2	-29.6	1.83 V	266	41.3	17.3
4	#13030.00	45.1 AV	68.2	-23.1	1.83 V	266	27.8	17.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 99 : 6445 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	93.2 PK			2.15 H	333	51.2	42.0
2	*6445.00	81.7 AV			2.15 H	333	39.7	42.0
3	#12890.00	57.3 PK	88.2	-30.9	2.54 H	190	40.2	17.1
4	#12890.00	44.1 AV	68.2	-24.1	2.54 H	190	27.0	17.1
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	*6445.00	102.4 PK			1.89 V	358	60.4	42.0
2	*6445.00	90.4 AV			1.89 V	358	48.4	42.0
3	#12890.00	57.6 PK	88.2	-30.6	1.84 V	275	40.5	17.1
4	#12890.00	44.3 AV	68.2	-23.9	1.84 V	275	27.2	17.1

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 107 : 6485 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6485.00	93.2 PK			N/A H	N/A	51.0	42.2
2	*6485.00	81.2 AV			N/A H	N/A	39.0	42.2
3	#12970.00	58.0 PK	88.2	-30.2	2.50 H	187	40.6	17.4
4	#12970.00	44.4 AV	68.2	-23.8	2.50 H	187	27.0	17.4
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	*6485.00	102.0 PK			2.15 V	9	59.8	42.2
2	*6485.00	89.9 AV			2.15 V	9	47.7	42.2
3	#12970.00	58.3 PK	88.2	-29.9	1.90 V	282	40.9	17.4
4	#12970.00	44.7 AV	68.2	-23.5	1.90 V	282	27.3	17.4

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 115 : 6525 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6525.00	93.5 PK			2.29 H	329	51.0	42.5
2	*6525.00	81.5 AV			2.29 H	329	39.0	42.5
3	#13050.00	58.1 PK	88.2	-30.1	2.42 H	193	40.7	17.4
4	#13050.00	44.5 AV	68.2	-23.7	2.42 H	193	27.1	17.4
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	*6525.00	102.2 PK			2.09 V	11	59.7	42.5
2	*6525.00	90.1 AV			2.09 V	11	47.6	42.5
3	#13050.00	58.4 PK	88.2	-29.8	1.88 V	275	41.0	17.4
4	#13050.00	44.8 AV	68.2	-23.4	1.88 V	275	27.4	17.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 103 : 6465 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	94.1 PK			2.22 H	345	52.0	42.1
2	*6465.00	80.7 AV			2.22 H	345	38.6	42.1
3	#12930.00	57.2 PK	88.2	-31.0	2.61 H	188	40.0	17.2
4	#12930.00	44.1 AV	68.2	-24.1	2.61 H	188	26.9	17.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	102.7 PK			1.91 V	10	60.6	42.1
2	*6465.00	89.3 AV			1.91 V	10	47.2	42.1
3	#12930.00	57.4 PK	88.2	-30.8	1.85 V	261	40.2	17.2
4	#12930.00	44.4 AV	68.2	-23.8	1.85 V	261	27.2	17.2

Remarks:

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

RF Mode	802.11ax (HE160)	Channel	CH 111 : 6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6505.00	56.3 PK			2.42 H	346	48.5	7.8
2	*6505.00	43.9 AV			2.42 H	346	36.1	7.8
3	#13010.00	57.7 PK	88.2	-30.5	2.61 H	181	40.4	17.3
4	#13010.00	44.1 AV	68.2	-24.1	2.61 H	181	26.8	17.3
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	*6505.00	99.5 PK			2.05 V	11	57.2	42.3
2	*6505.00	87.1 AV			2.05 V	11	44.8	42.3
3	#13010.00	57.8 PK	88.2	-30.4	1.83 V	264	40.5	17.3
4	#13010.00	44.3 AV	68.2	-23.9	1.83 V	264	27.0	17.3

Remarks:

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

RF Mode	802.11a	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	109.2 PK			2.56 H	248	66.5	42.7
2	*6535.00	98.5 AV			2.56 H	248	55.8	42.7
3	#13070.00	57.5 PK	88.2	-30.7	2.35 H	188	40.1	17.4
4	#13070.00	44.7 AV	68.2	-23.5	2.35 H	188	27.3	17.4
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	*6535.00	118.5 PK			1.94 V	355	75.8	42.7
2	*6535.00	107.7 AV			1.94 V	355	65.0	42.7
3	#13070.00	57.7 PK	88.2	-30.5	1.92 V	255	40.3	17.4
4	#13070.00	45.0 AV	68.2	-23.2	1.92 V	255	27.6	17.4

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	109.9 PK			2.55 H	249	66.8	43.1
2	*6695.00	99.0 AV			2.55 H	249	55.9	43.1
3	13390.00	59.4 PK	74.0	-14.6	2.32 H	194	40.8	18.6
4	13390.00	46.2 AV	54.0	-7.8	2.32 H	194	27.6	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	*6695.00	119.1 PK			1.90 V	356	76.0	43.1
2	*6695.00	108.3 AV			1.90 V	356	65.2	43.1
3	13390.00	59.6 PK	74.0	-14.4	1.93 V	255	41.0	18.6
4	13390.00	46.4 AV	54.0	-7.6	1.93 V	255	27.8	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.

RF Mode	802.11a	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	110.1 PK			2.52 H	252	66.8	43.3
2	*6855.00	99.6 AV			2.52 H	252	56.3	43.3
3	#13710.00	60.6 PK	88.2	-27.6	2.34 H	188	41.1	19.5
4	#13710.00	46.9 AV	68.2	-21.3	2.34 H	188	27.4	19.5
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	*6855.00	119.5 PK			1.94 V	352	76.2	43.3
2	*6855.00	108.8 AV			1.94 V	352	65.5	43.3
3	#13710.00	60.8 PK	88.2	-27.4	1.87 V	254	41.3	19.5
4	#13710.00	47.3 AV	68.2	-20.9	1.87 V	254	27.8	19.5

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 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	111.2 PK			2.56 H	247	68.5	42.7
2	*6535.00	98.4 AV			2.56 H	247	55.7	42.7
3	#13070.00	58.4 PK	88.2	-29.8	2.40 H	192	41.0	17.4
4	#13070.00	45.3 AV	68.2	-22.9	2.40 H	192	27.9	17.4
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	*6535.00	120.2 PK			1.96 V	355	77.5	42.7
2	*6535.00	107.2 AV			1.96 V	355	64.5	42.7
3	#13070.00	58.6 PK	88.2	-29.6	1.89 V	266	41.2	17.4
4	#13070.00	45.4 AV	68.2	-22.8	1.89 V	266	28.0	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	111.5 PK			2.55 H	250	68.4	43.1
2	*6695.00	98.4 AV			2.55 H	250	55.3	43.1
3	13390.00	59.6 PK	74.0	-14.4	2.42 H	193	41.0	18.6
4	13390.00	46.4 AV	54.0	-7.6	2.42 H	193	27.8	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	*6695.00	120.2 PK			1.92 V	357	77.1	43.1
2	*6695.00	107.1 AV			1.92 V	357	64.0	43.1
3	13390.00	59.8 PK	74.0	-14.2	1.90 V	264	41.2	18.6
4	13390.00	46.6 AV	54.0	-7.4	1.90 V	264	28.0	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.

RF Mode	802.11ax (HE20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	112.1 PK			2.55 H	248	68.8	43.3
2	*6855.00	99.1 AV			2.55 H	248	55.8	43.3
3	#13710.00	60.5 PK	88.2	-27.7	2.43 H	187	41.0	19.5
4	#13710.00	47.4 AV	68.2	-20.8	2.43 H	187	27.9	19.5
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	*6855.00	120.8 PK			2.00 V	358	77.5	43.3
2	*6855.00	108.1 AV			2.00 V	358	64.8	43.3
3	#13710.00	60.7 PK	88.2	-27.5	1.91 V	263	41.2	19.5
4	#13710.00	47.6 AV	68.2	-20.6	1.91 V	263	28.1	19.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 123 : 6565 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	107.9 PK			2.61 H	248	64.9	43.0
2	*6565.00	95.0 AV			2.61 H	248	52.0	43.0
3	#13130.00	57.9 PK	88.2	-30.3	2.44 H	190	40.3	17.6
4	#13130.00	45.2 AV	68.2	-23.0	2.44 H	190	27.6	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	*6565.00	116.5 PK			1.90 V	355	73.5	43.0
2	*6565.00	104.0 AV			1.90 V	355	61.0	43.0
3	#13130.00	58.1 PK	88.2	-30.1	1.85 V	264	40.5	17.6
4	#13130.00	45.4 AV	68.2	-22.8	1.85 V	264	27.8	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 155 : 6725 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	108.1 PK			2.55 H	252	65.2	42.9
2	*6725.00	95.4 AV			2.55 H	252	52.5	42.9
3	#13450.00	59.6 PK	88.2	-28.6	2.40 H	193	40.8	18.8
4	#13450.00	46.6 AV	68.2	-21.6	2.40 H	193	27.8	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	*6725.00	116.7 PK			1.93 V	358	73.8	42.9
2	*6725.00	104.2 AV			1.93 V	358	61.3	42.9
3	#13450.00	59.8 PK	88.2	-28.4	1.86 V	266	41.0	18.8
4	#13450.00	46.8 AV	68.2	-21.4	1.86 V	266	28.0	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.
6. " # ": The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 179 : 6845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	108.8 PK			2.52 H	250	65.5	43.3
2	*6845.00	95.9 AV			2.52 H	250	52.6	43.3
3	#13690.00	60.0 PK	88.2	-28.2	2.43 H	190	40.5	19.5
4	#13690.00	47.3 AV	68.2	-20.9	2.43 H	190	27.8	19.5
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	*6845.00	117.3 PK			1.92 V	355	74.0	43.3
2	*6845.00	104.8 AV			1.92 V	355	61.5	43.3
3	#13690.00	60.2 PK	88.2	-28.0	1.80 V	263	40.7	19.5
4	#13690.00	47.5 AV	68.2	-20.7	1.80 V	263	28.0	19.5

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 119 : 6545 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6545.00	91.2 PK			2.33 H	339	48.4	42.8
2	*6545.00	78.8 AV			2.33 H	339	36.0	42.8
3	#13090.00	57.5 PK	88.2	-30.7	2.60 H	194	40.1	17.4
4	#13090.00	44.9 AV	68.2	-23.3	2.60 H	194	27.5	17.4
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	*6545.00	99.9 PK			2.21 V	9	57.1	42.8
2	*6545.00	87.4 AV			2.21 V	9	44.6	42.8
3	#13090.00	57.9 PK	88.2	-30.3	1.90 V	258	40.5	17.4
4	#13090.00	45.0 AV	68.2	-23.2	1.90 V	258	27.6	17.4

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 151 : 6705 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6705.00	103.2 PK			2.68 H	225	60.1	43.1
2	*6705.00	91.6 AV			2.68 H	225	48.5	43.1
3	#13410.00	59.8 PK	88.2	-28.4	2.41 H	190	41.2	18.6
4	#13410.00	47.2 AV	68.2	-21.0	2.41 H	190	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	*6705.00	113.3 PK			1.71 V	356	70.2	43.1
2	*6705.00	99.6 AV			1.71 V	356	56.5	43.1
3	#13410.00	60.0 PK	88.2	-28.2	1.89 V	265	41.4	18.6
4	#13410.00	47.3 AV	68.2	-20.9	1.89 V	265	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 (HE80)	Channel	CH 183 : 6865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6865.00	88.1 PK			2.23 H	340	44.7	43.4
2	*6865.00	75.4 AV			2.23 H	340	32.0	43.4
3	#13730.00	60.2 PK	88.2	-28.0	2.50 H	188	40.7	19.5
4	#13730.00	46.8 AV	68.2	-21.4	2.50 H	188	27.3	19.5
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	*6865.00	96.7 PK			1.81 V	8	53.3	43.4
2	*6865.00	84.0 AV			1.81 V	8	40.6	43.4
3	#13730.00	60.5 PK	88.2	-27.7	1.94 V	251	41.0	19.5
4	#13730.00	47.0 AV	68.2	-21.2	1.94 V	251	27.5	19.5

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 (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6665.00	99.7 PK			2.71 H	222	56.5	43.2
2	*6665.00	88.2 AV			2.71 H	222	45.0	43.2
3	13330.00	59.5 PK	74.0	-14.5	2.45 H	192	40.9	18.6
4	13330.00	46.8 AV	54.0	-7.2	2.45 H	192	28.2	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	*6665.00	110.3 PK			1.92 V	355	67.1	43.2
2	*6665.00	97.4 AV			1.92 V	355	54.2	43.2
3	13330.00	59.8 PK	74.0	-14.2	1.94 V	277	41.2	18.6
4	13330.00	47.0 AV	54.0	-7.0	1.94 V	277	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.

RF Mode	802.11ax (HE160)	Channel	CH 175 : 6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6825.00	88.4 PK			2.22 H	333	45.3	43.1
2	*6825.00	76.0 AV			2.22 H	333	32.9	43.1
3	#13650.00	60.3 PK	88.2	-27.9	2.55 H	190	40.8	19.5
4	#13650.00	46.6 AV	68.2	-21.6	2.55 H	190	27.1	19.5
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	*6825.00	97.0 PK			1.85 V	19	53.9	43.1
2	*6825.00	84.6 AV			1.85 V	19	41.5	43.1
3	#13650.00	60.5 PK	88.2	-27.7	1.88 V	257	41.0	19.5
4	#13650.00	46.8 AV	68.2	-21.4	1.88 V	257	27.3	19.5

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 185 : 6875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	86.0 PK			1.99 H	343	42.6	43.4
2	*6875.00	76.0 AV			1.99 H	343	32.6	43.4
3	#13750.00	60.0 PK	88.2	-28.2	2.42 H	193	40.6	19.4
4	#13750.00	47.0 AV	68.2	-21.2	2.42 H	193	27.6	19.4
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	*6875.00	94.4 PK			2.05 V	357	51.0	43.4
2	*6875.00	84.6 AV			2.05 V	357	41.2	43.4
3	#13750.00	60.3 PK	88.2	-27.9	1.87 V	265	40.9	19.4
4	#13750.00	47.2 AV	68.2	-21.0	1.87 V	265	27.8	19.4

Remarks:

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

RF Mode	802.11a	Channel	CH 209 : 6995 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6995.00	83.9 PK			1.93 H	342	39.8	44.1
2	*6995.00	74.1 AV			1.93 H	342	30.0	44.1
3	#13990.00	60.0 PK	88.2	-28.2	2.39 H	188	40.4	19.6
4	#13990.00	47.0 AV	68.2	-21.2	2.39 H	188	27.4	19.6
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	*6995.00	92.8 PK			1.84 V	351	48.7	44.1
2	*6995.00	83.1 AV			1.84 V	351	39.0	44.1
3	#13990.00	60.3 PK	88.2	-27.9	1.89 V	266	40.7	19.6
4	#13990.00	47.2 AV	68.2	-21.0	1.89 V	266	27.6	19.6

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 229 : 7095 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7095.00	85.6 PK			2.00 H	344	41.3	44.3
2	*7095.00	76.9 AV			2.00 H	344	32.6	44.3
3	#14190.00	60.7 PK	88.2	-27.5	2.42 H	187	41.0	19.7
4	#14190.00	47.1 AV	68.2	-21.1	2.42 H	187	27.4	19.7
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	*7095.00	94.9 PK			2.08 V	11	50.6	44.3
2	*7095.00	85.5 AV			2.08 V	11	41.2	44.3
3	#14190.00	60.9 PK	88.2	-27.3	1.88 V	262	41.2	19.7
4	#14190.00	47.5 AV	68.2	-20.7	1.88 V	262	27.8	19.7

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 233 : 7115 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7115.00	86.5 PK			2.04 H	340	42.1	44.4
2	*7115.00	75.9 AV			2.04 H	340	31.5	44.4
3	#7125.00	60.3 PK	88.2	-27.9	2.04 H	340	50.5	9.8
4	#7125.00	47.6 AV	68.2	-20.6	2.04 H	340	37.8	9.8
5	#14230.00	60.4 PK	88.2	-27.8	2.41 H	185	40.6	19.8
6	#14230.00	47.1 AV	68.2	-21.1	2.41 H	185	27.3	19.8
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	*7115.00	95.4 PK			2.08 V	8	51.0	44.4
2	*7115.00	85.3 AV			2.08 V	8	40.9	44.4
3	#7125.00	70.2 PK	88.2	-18.0	2.08 V	8	60.4	9.8
4	#7125.00	53.8 AV	68.2	-14.4	2.08 V	8	44.0	9.8
5	#14230.00	60.6 PK	88.2	-27.6	1.91 V	265	40.8	19.8
6	#14230.00	47.4 AV	68.2	-20.8	1.91 V	265	27.6	19.8

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 185 : 6875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	88.7 PK			2.04 H	343	45.3	43.4
2	*6875.00	76.1 AV			2.04 H	343	32.7	43.4
3	#13750.00	60.4 PK	88.2	-27.8	2.38 H	185	41.0	19.4
4	#13750.00	46.8 AV	68.2	-21.4	2.38 H	185	27.4	19.4
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	*6875.00	97.4 PK			1.77 V	352	54.0	43.4
2	*6875.00	84.7 AV			1.77 V	352	41.3	43.4
3	#13750.00	60.7 PK	88.2	-27.5	1.84 V	267	41.3	19.4
4	#13750.00	47.0 AV	68.2	-21.2	1.84 V	267	27.6	19.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 209 : 6995 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6995.00	88.7 PK			1.96 H	352	44.6	44.1
2	*6995.00	75.4 AV			1.96 H	352	31.3	44.1
3	#13990.00	60.6 PK	88.2	-27.6	2.43 H	187	41.0	19.6
4	#13990.00	47.3 AV	68.2	-20.9	2.43 H	187	27.7	19.6
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	*6995.00	97.2 PK			1.98 V	3	53.1	44.1
2	*6995.00	84.3 AV			1.98 V	3	40.2	44.1
3	#13990.00	60.8 PK	88.2	-27.4	1.90 V	268	41.2	19.6
4	#13990.00	47.6 AV	68.2	-20.6	1.90 V	268	28.0	19.6

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 229 : 7095 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7095.00	91.6 PK			2.03 H	344	47.3	44.3
2	*7095.00	78.8 AV			2.03 H	344	34.5	44.3
3	#14190.00	60.3 PK	88.2	-27.9	2.42 H	190	40.6	19.7
4	#14190.00	47.2 AV	68.2	-21.0	2.42 H	190	27.5	19.7
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	*7095.00	100.3 PK			2.06 V	10	56.0	44.3
2	*7095.00	87.0 AV			2.06 V	10	42.7	44.3
3	#14190.00	60.5 PK	88.2	-27.7	1.85 V	269	40.8	19.7
4	#14190.00	47.5 AV	68.2	-20.7	1.85 V	269	27.8	19.7

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 233 : 7115 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7115.00	86.2 PK			2.05 H	340	41.8	44.4
2	*7115.00	73.4 AV			2.05 H	340	29.0	44.4
3	#7125.00	66.0 PK	88.2	-22.2	2.05 H	340	56.2	9.8
4	#7125.00	54.5 AV	68.2	-13.7	2.05 H	340	44.7	9.8
5	#14230.00	60.6 PK	88.2	-27.6	2.40 H	188	40.8	19.8
6	#14230.00	47.3 AV	68.2	-20.9	2.40 H	188	27.5	19.8
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	*7115.00	95.0 PK			1.94 V	10	50.6	44.4
2	*7115.00	82.4 AV			1.94 V	10	38.0	44.4
3	#7125.00	77.8 PK	88.2	-10.4	1.94 V	10	68.0	9.8
4	#7125.00	67.9 AV	68.2	-0.3	1.94 V	10	58.1	9.8
5	#14230.00	60.9 PK	88.2	-27.3	1.90 V	265	41.1	19.8
6	#14230.00	47.5 AV	68.2	-20.7	1.90 V	265	27.7	19.8

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 187 : 6885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6885.00	89.3 PK			2.26 H	341	45.8	43.5
2	*6885.00	76.6 AV			2.26 H	341	33.1	43.5
3	#13770.00	60.6 PK	88.2	-27.6	2.62 H	186	41.3	19.3
4	#13770.00	46.9 AV	68.2	-21.3	2.62 H	186	27.6	19.3
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	*6885.00	98.0 PK			1.93 V	5	54.5	43.5
2	*6885.00	85.2 AV			1.93 V	5	41.7	43.5
3	#13770.00	61.2 PK	88.2	-27.0	1.84 V	277	41.9	19.3
4	#13770.00	47.3 AV	68.2	-20.9	1.84 V	277	28.0	19.3

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 211 : 7005 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7005.00	90.1 PK			2.38 H	346	46.0	44.1
2	*7005.00	77.6 AV			2.38 H	346	33.5	44.1
3	#14010.00	61.0 PK	88.2	-27.2	2.68 H	191	41.4	19.6
4	#14010.00	47.3 AV	68.2	-20.9	2.68 H	191	27.7	19.6
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	*7005.00	98.8 PK			1.95 V	7	54.7	44.1
2	*7005.00	86.2 AV			1.95 V	7	42.1	44.1
3	#14010.00	61.4 PK	88.2	-26.8	1.85 V	265	41.8	19.6
4	#14010.00	47.7 AV	68.2	-20.5	1.85 V	265	28.1	19.6

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 227 : 7085 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7085.00	90.4 PK			2.34 H	339	46.1	44.3
2	*7085.00	77.1 AV			2.34 H	339	32.8	44.3
3	#7125.00	59.5 PK	88.2	-28.7	2.34 H	339	49.7	9.8
4	#7125.00	46.9 AV	68.2	-21.3	2.34 H	339	37.1	9.8
5	#14170.00	61.3 PK	88.2	-26.9	2.61 H	184	41.5	19.8
6	#14170.00	47.5 AV	68.2	-20.7	2.61 H	184	27.7	19.8
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	*7085.00	99.0 PK			2.01 V	4	54.7	44.3
2	*7085.00	86.0 AV			2.01 V	4	41.7	44.3
3	#7125.00	59.8 PK	88.2	-28.4	2.01 V	4	50.0	9.8
4	#7125.00	47.1 AV	68.2	-21.1	2.01 V	4	37.3	9.8
5	#14170.00	61.5 PK	88.2	-26.7	1.81 V	259	41.7	19.8
6	#14170.00	47.7 AV	68.2	-20.5	1.81 V	259	27.9	19.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 199 : 6945 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6945.00	88.0 PK			2.28 H	337	44.3	43.7
2	*6945.00	75.4 AV			2.28 H	337	31.7	43.7
3	#13890.00	60.5 PK	88.2	-27.7	2.50 H	184	41.0	19.5
4	#13890.00	47.1 AV	68.2	-21.1	2.50 H	184	27.6	19.5
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	*6945.00	96.6 PK			1.92 V	6	52.9	43.7
2	*6945.00	84.0 AV			1.92 V	6	40.3	43.7
3	#13890.00	60.7 PK	88.2	-27.5	1.90 V	260	41.2	19.5
4	#13890.00	47.3 AV	68.2	-20.9	1.90 V	260	27.8	19.5

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 215 : 7025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7025.00	90.7 PK			2.11 H	337	46.5	44.2
2	*7025.00	77.9 AV			2.11 H	337	33.7	44.2
3	#7125.00	60.8 PK	88.2	-27.4	2.11 H	337	51.0	9.8
4	#7125.00	46.8 AV	68.2	-21.4	2.11 H	337	37.0	9.8
5	#14050.00	60.7 PK	88.2	-27.5	2.61 H	181	40.9	19.8
6	#14050.00	47.3 AV	68.2	-20.9	2.61 H	181	27.5	19.8
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	*7025.00	99.7 PK			1.95 V	7	55.5	44.2
2	*7025.00	86.6 AV			1.95 V	7	42.4	44.2
3	#7125.00	61.0 PK	88.2	-27.2	1.95 V	7	51.2	9.8
4	#7125.00	47.0 AV	68.2	-21.2	1.95 V	7	37.2	9.8
5	#14050.00	60.9 PK	88.2	-27.3	1.84 V	252	41.1	19.8
6	#14050.00	47.5 AV	68.2	-20.7	1.84 V	252	27.7	19.8

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 (HE160)	Channel	CH 207 : 6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6985.00	88.2 PK			2.30 H	346	44.2	44.0
2	*6985.00	75.5 AV			2.30 H	346	31.5	44.0
3	#7125.00	60.7 PK	88.2	-27.5	2.30 H	346	50.9	9.8
4	#7125.00	47.4 AV	68.2	-20.8	2.30 H	346	37.6	9.8
5	#13970.00	60.2 PK	88.2	-28.0	2.50 H	188	40.6	19.6
6	#13970.00	46.7 AV	68.2	-21.5	2.50 H	188	27.1	19.6
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	*6985.00	96.8 PK			1.99 V	357	52.8	44.0
2	*6985.00	84.1 AV			1.99 V	357	40.1	44.0
3	#7125.00	60.9 PK	88.2	-27.3	1.99 V	357	51.1	9.8
4	#7125.00	47.6 AV	68.2	-20.6	1.99 V	357	37.8	9.8
5	#13970.00	60.5 PK	88.2	-27.7	1.93 V	260	40.9	19.6
6	#13970.00	47.0 AV	68.2	-21.2	1.93 V	260	27.4	19.6

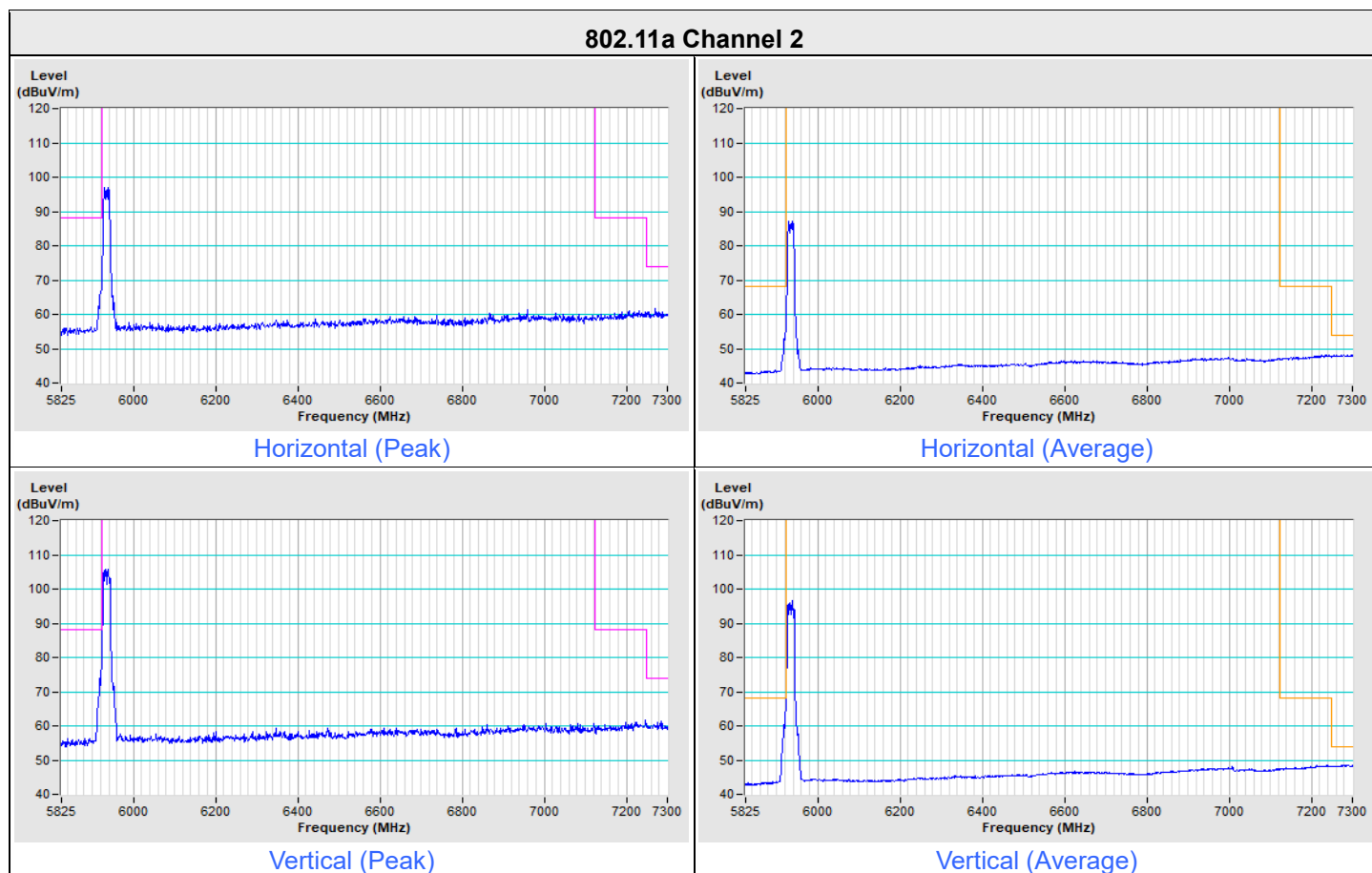
Remarks:

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.

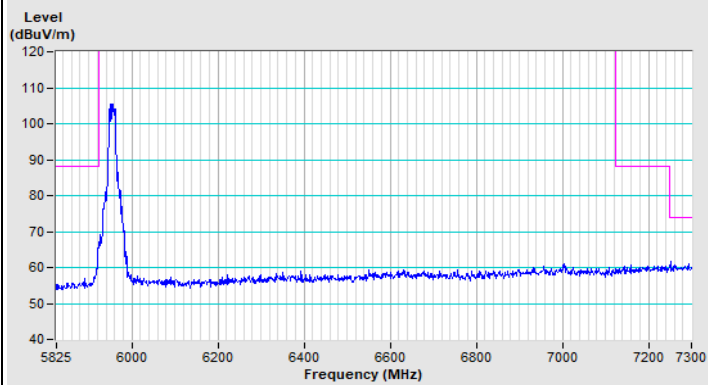
Mode A (Under control by Low-power Indoor Client)

Plot of Band Edge

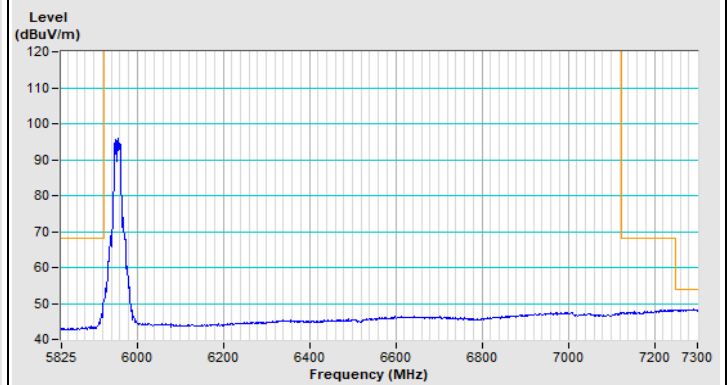
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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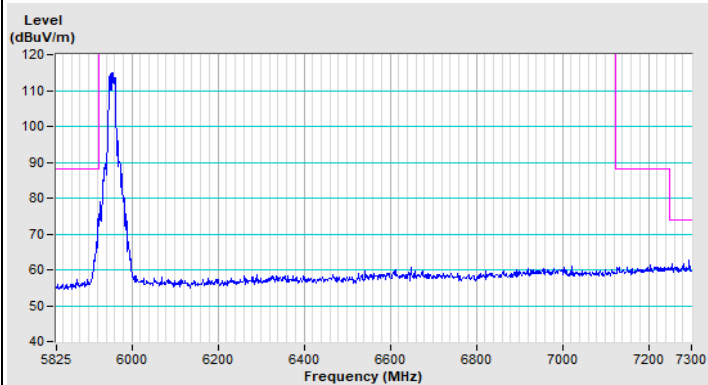
802.11a Channel 1



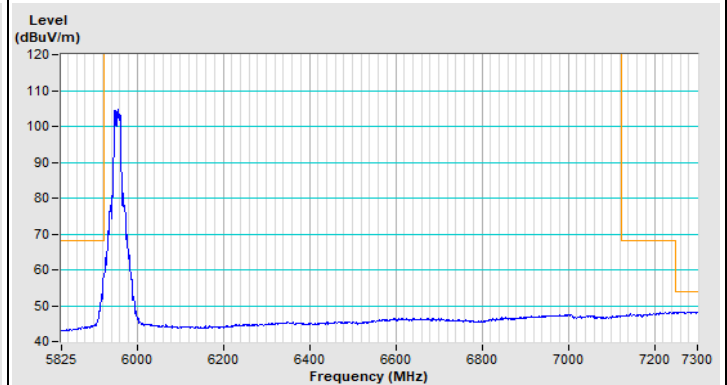
Horizontal (Peak)



Horizontal (Average)

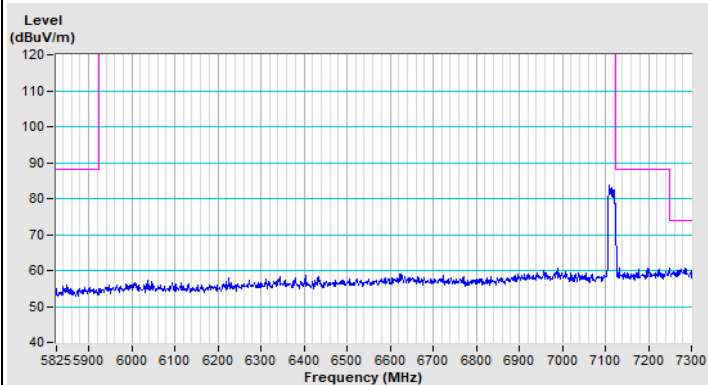


Vertical (Peak)

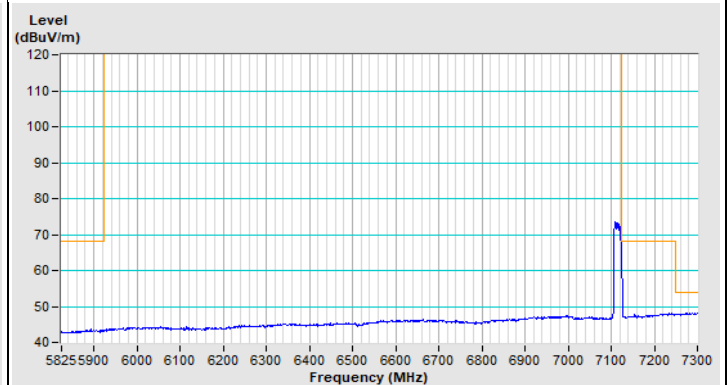


Vertical (Average)

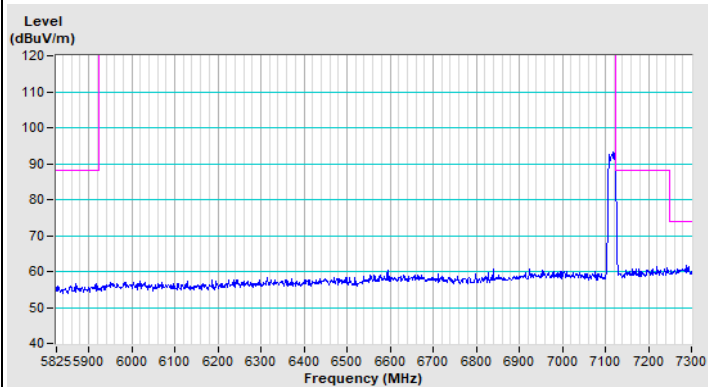
802.11a Channel 233



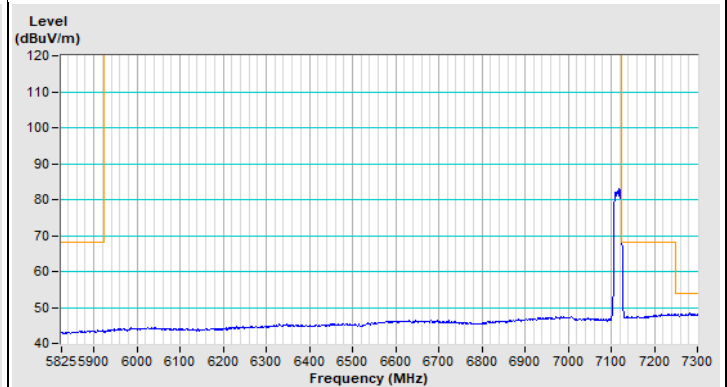
Horizontal (Peak)



Horizontal (Average)



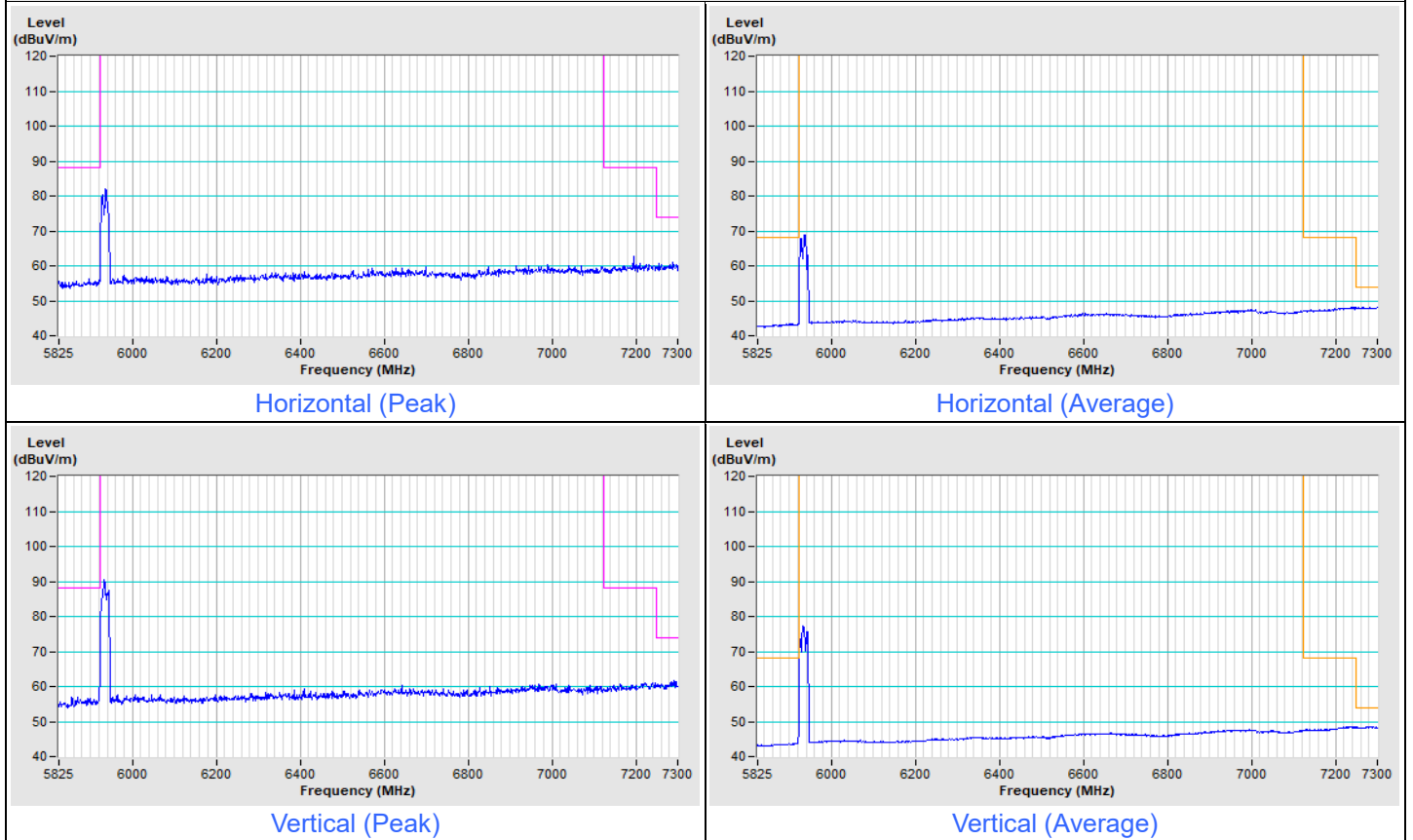
Vertical (Peak)



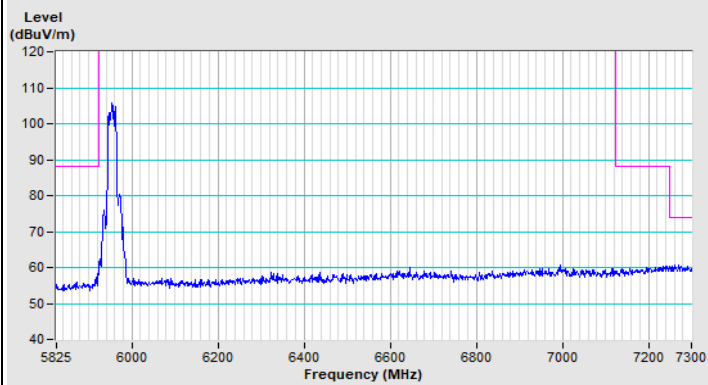
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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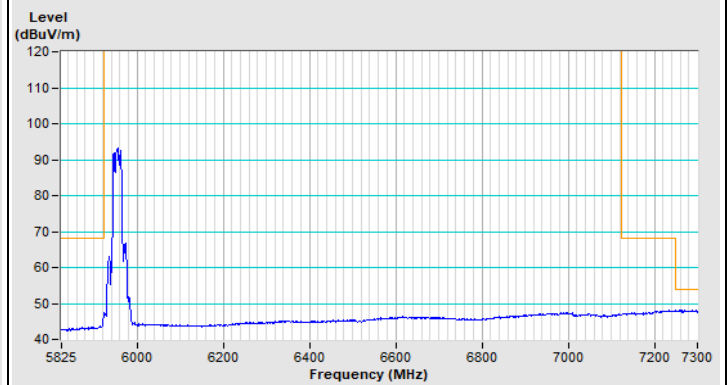
802.11ax (HE20) Channel 2



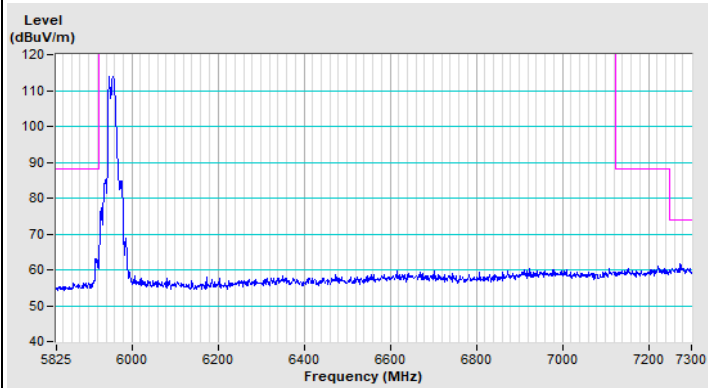
802.11ax (HE20) Channel 1



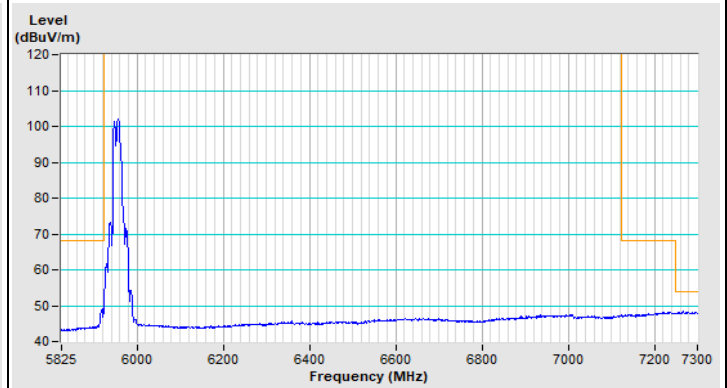
Horizontal (Peak)



Horizontal (Average)

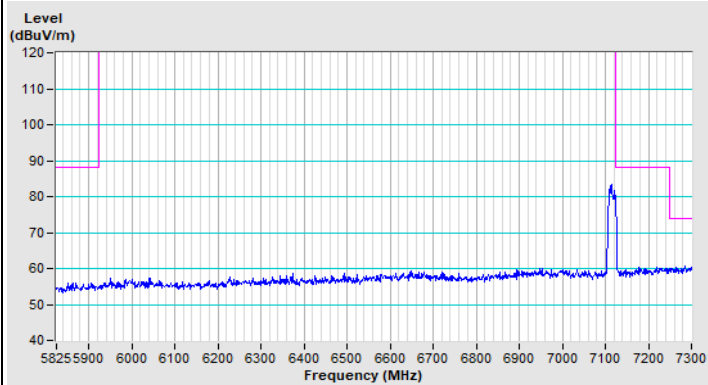


Vertical (Peak)

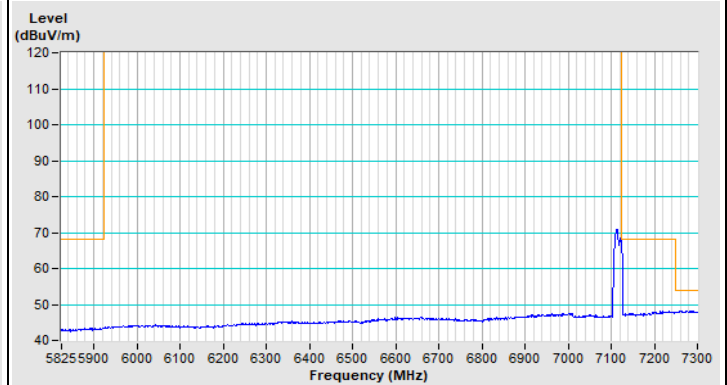


Vertical (Average)

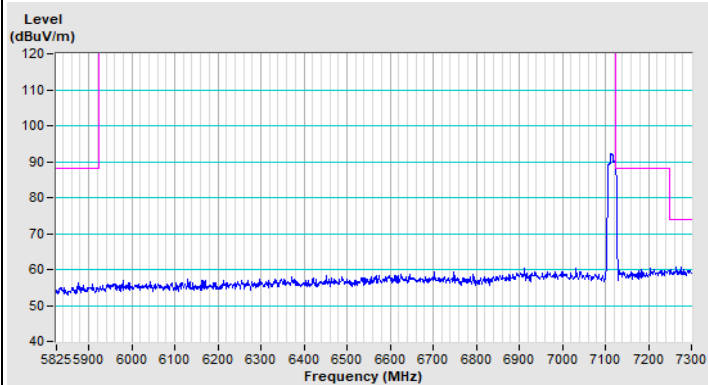
802.11ax (HE20) Channel 233



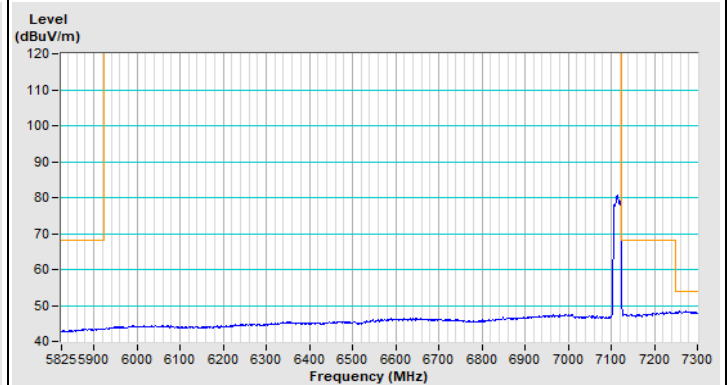
Horizontal (Peak)



Horizontal (Average)



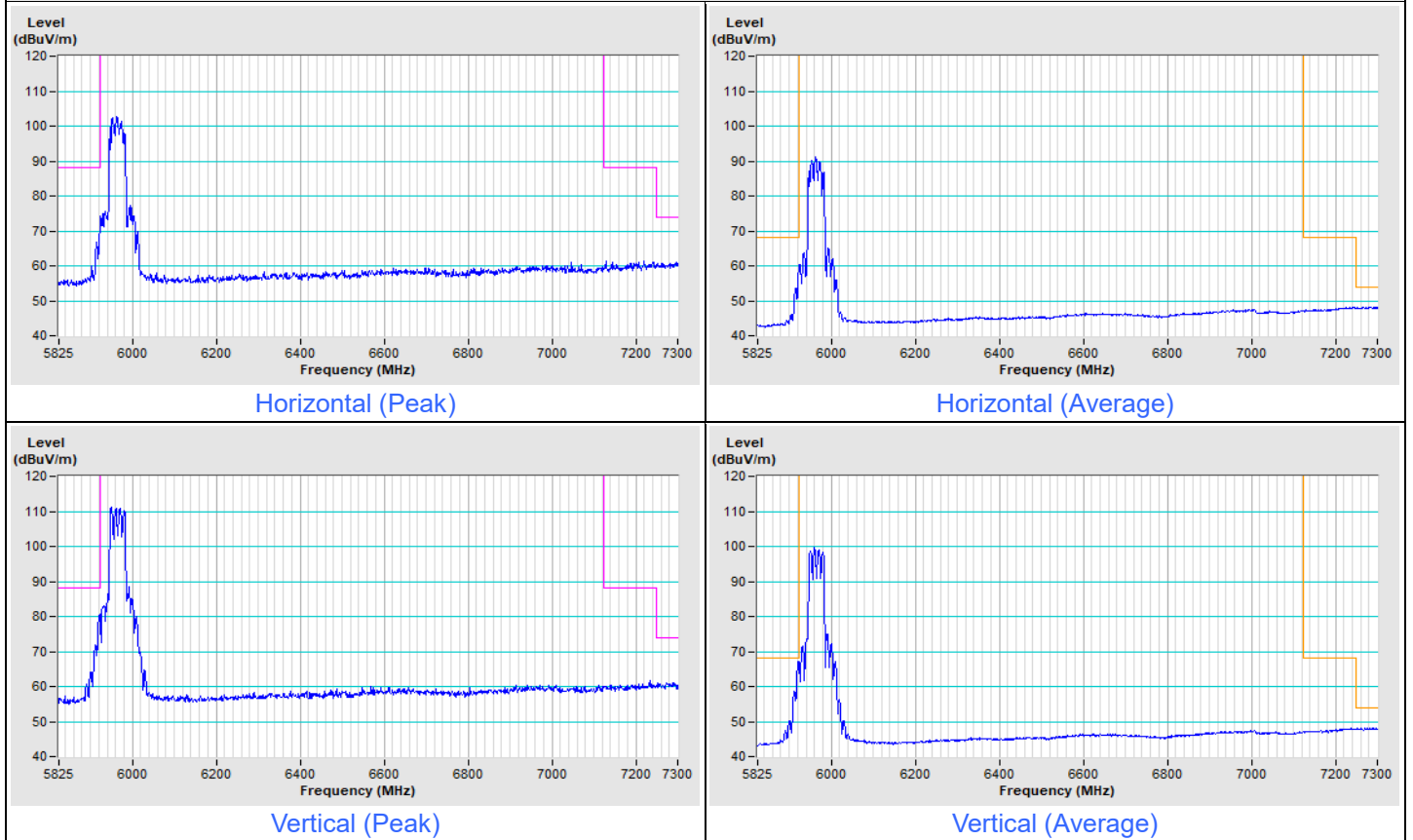
Vertical (Peak)



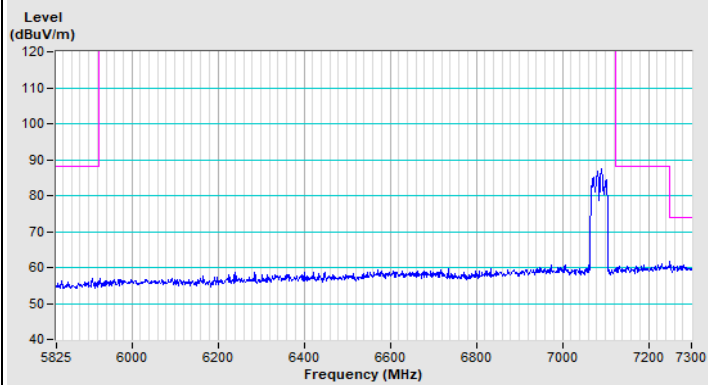
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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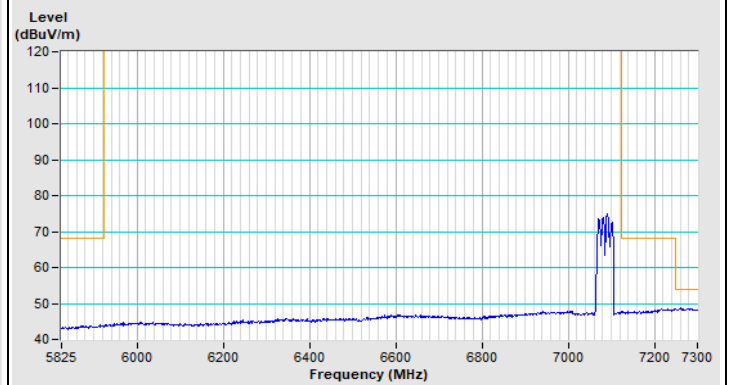
802.11ax (HE40) Channel 3



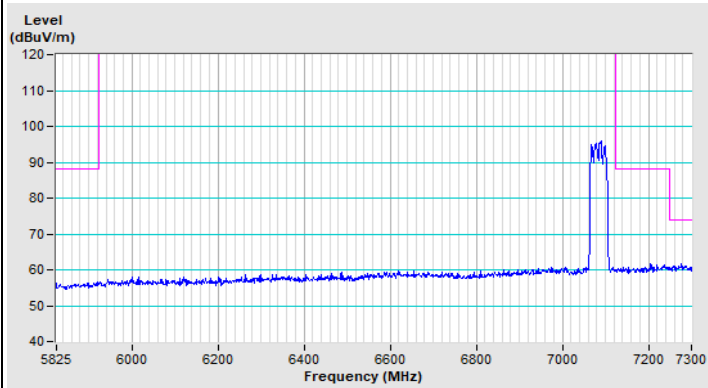
802.11ax (HE40) Channel 227



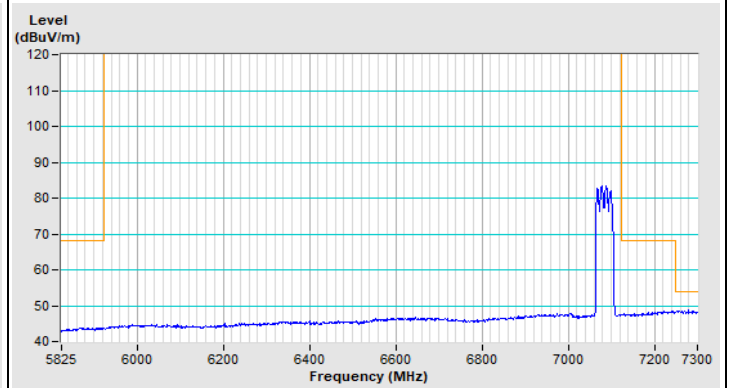
Horizontal (Peak)



Horizontal (Average)



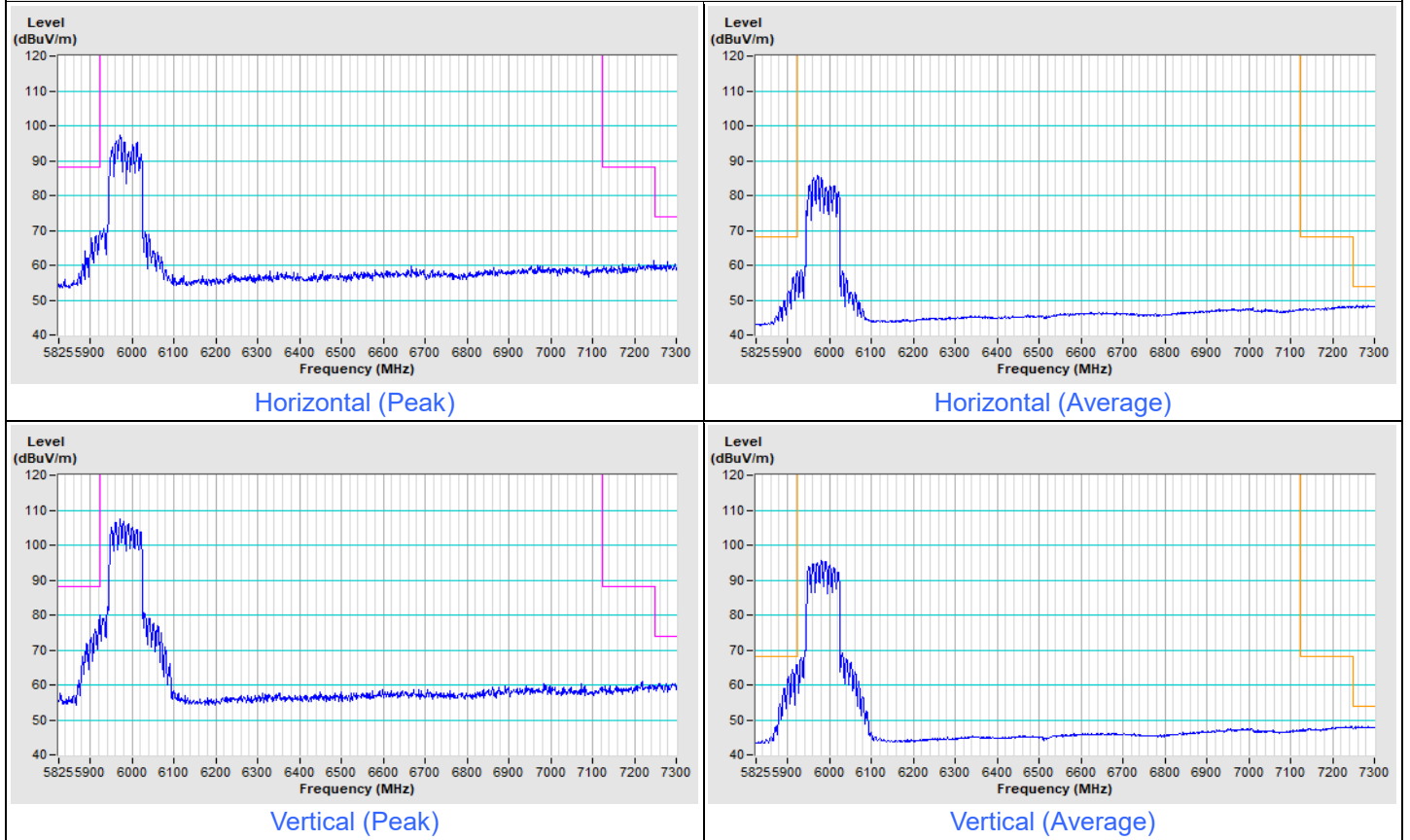
Vertical (Peak)



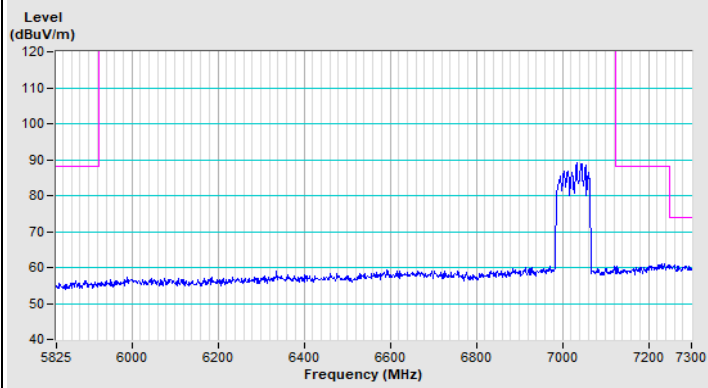
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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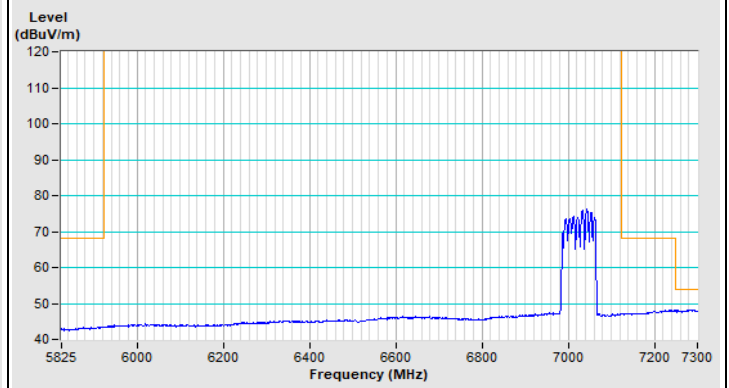
802.11ax (HE80) Channel 7



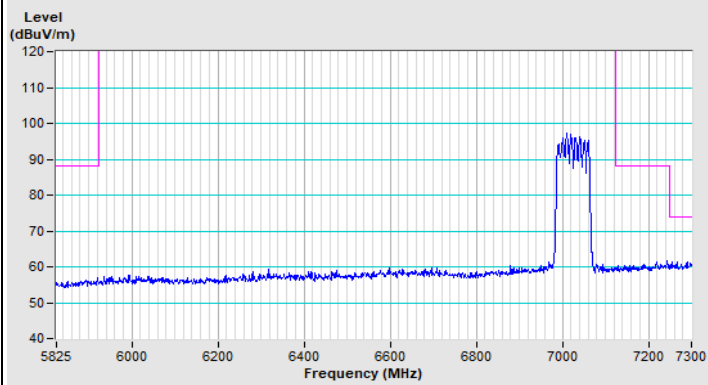
802.11ax (HE80) Channel 215



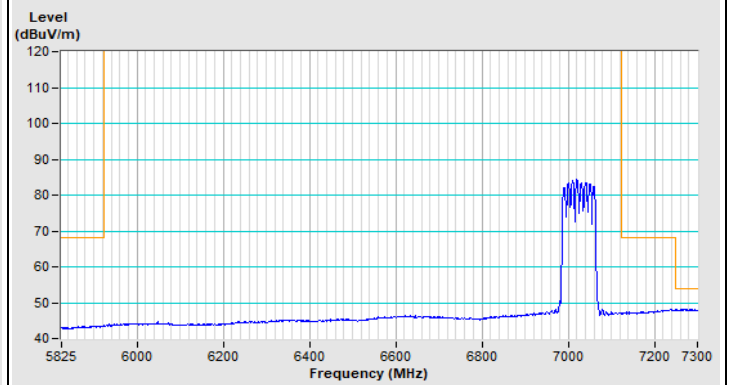
Horizontal (Peak)



Horizontal (Average)



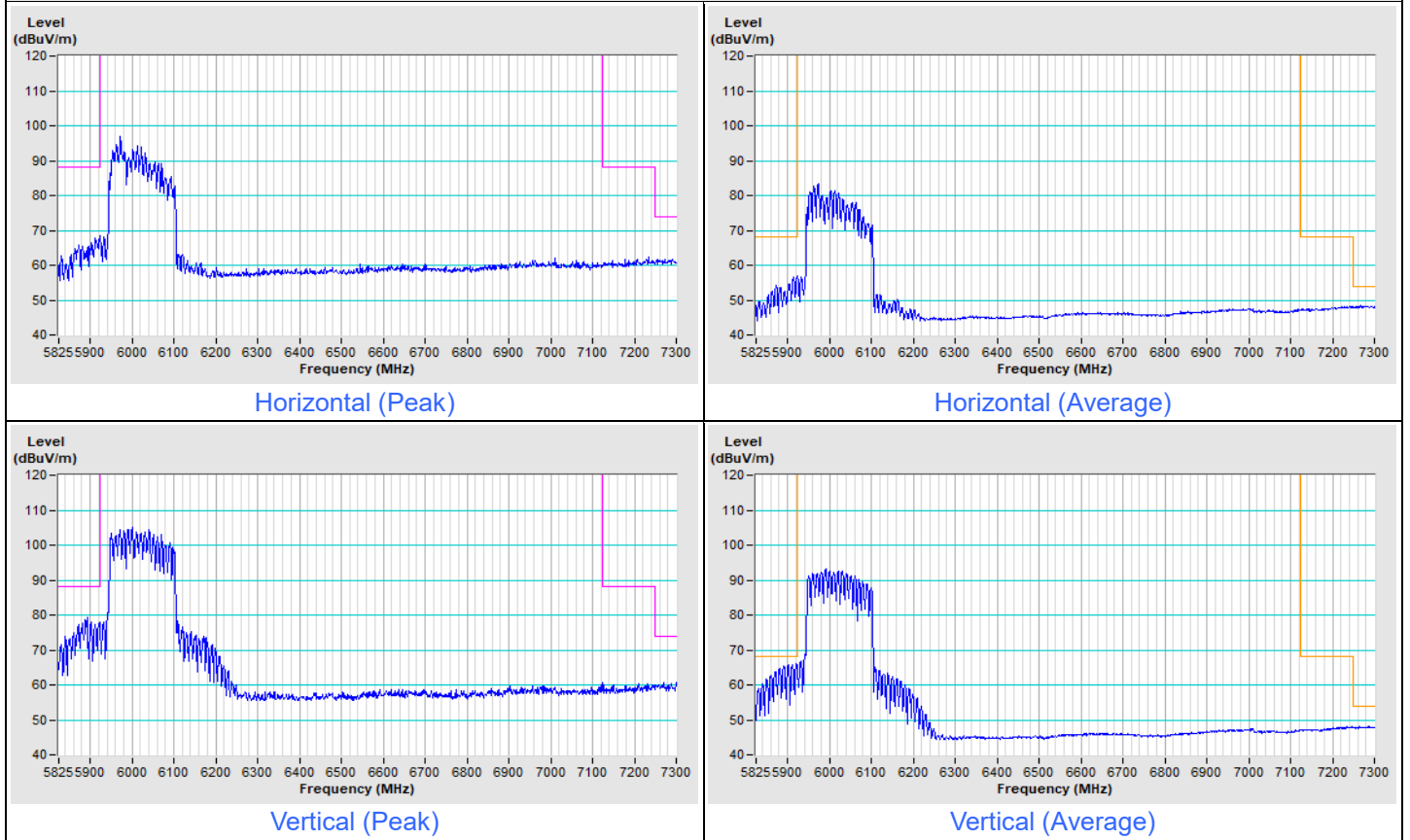
Vertical (Peak)



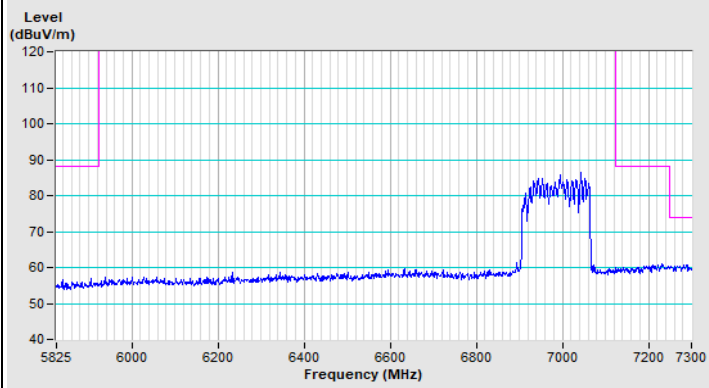
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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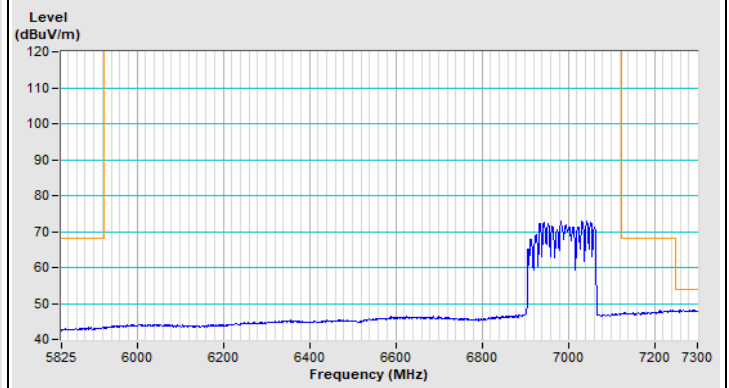
802.11ax (HE160) Channel 15



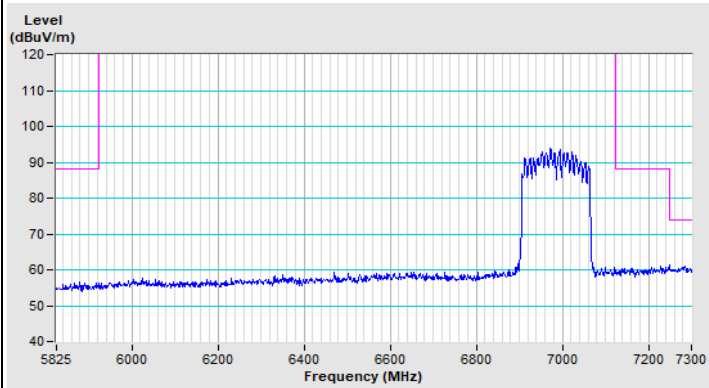
802.11ax (HE160) Channel 207



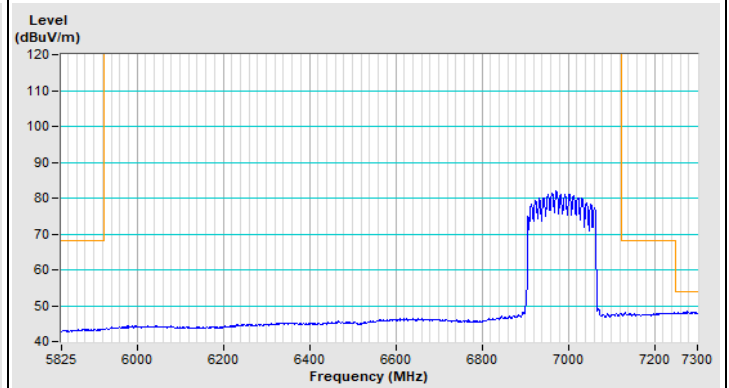
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

Mode B (Under control by Standard Client)

RF Mode	802.11a	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	76.0 PK	88.2	-12.2	2.63 H	250	69.9	6.1
2	#5925.00	60.9 AV	68.2	-7.3	2.63 H	250	54.8	6.1
3	*5935.00	98.7 PK			2.63 H	250	58.0	40.7
4	*5935.00	88.8 AV			2.63 H	250	48.1	40.7
5	11870.00	55.2 PK	74.0	-18.8	2.37 H	195	40.3	14.9
6	11870.00	42.7 AV	54.0	-11.3	2.37 H	195	27.8	14.9
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	#5925.00	82.5 PK	88.2	-5.7	2.00 V	356	76.4	6.1
2	#5925.00	67.4 AV	68.2	-0.8	2.00 V	356	61.3	6.1
3	*5935.00	108.0 PK			2.00 V	356	67.3	40.7
4	*5935.00	97.8 AV			2.00 V	356	57.1	40.7
5	11870.00	55.4 PK	74.0	-18.6	1.88 V	277	40.5	14.9
6	11870.00	42.9 AV	54.0	-11.1	1.88 V	277	28.0	14.9

Remarks:

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

RF Mode	802.11a	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	68.3 PK	88.2	-19.9	2.58 H	246	62.2	6.1
2	#5925.00	51.9 AV	68.2	-16.3	2.58 H	246	45.8	6.1
3	*5955.00	107.5 PK			2.58 H	246	66.7	40.8
4	*5955.00	97.4 AV			2.58 H	246	56.6	40.8
5	11910.00	54.9 PK	74.0	-19.1	2.40 H	186	40.0	14.9
6	11910.00	42.9 AV	54.0	-11.1	2.40 H	186	28.0	14.9
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	#5925.00	75.8 PK	88.2	-12.4	2.05 V	356	69.7	6.1
2	#5925.00	58.3 AV	68.2	-9.9	2.05 V	356	52.2	6.1
3	*5955.00	116.2 PK			2.05 V	356	75.4	40.8
4	*5955.00	106.4 AV			2.05 V	356	65.6	40.8
5	11910.00	55.2 PK	74.0	-18.8	1.90 V	267	40.3	14.9
6	11910.00	43.1 AV	54.0	-10.9	1.90 V	267	28.2	14.9

Remarks:

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

RF Mode	802.11a	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	105.2 PK			2.57 H	246	64.2	41.0
2	*6175.00	95.5 AV			2.57 H	246	54.5	41.0
3	12350.00	57.2 PK	74.0	-16.8	2.36 H	190	42.4	14.8
4	12350.00	44.1 AV	54.0	-9.9	2.36 H	190	29.3	14.8
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	*6175.00	114.2 PK			1.83 V	356	73.2	41.0
2	*6175.00	104.5 AV			1.83 V	356	63.5	41.0
3	12350.00	57.4 PK	74.0	-16.6	1.94 V	262	42.6	14.8
4	12350.00	44.3 AV	54.0	-9.7	1.94 V	262	29.5	14.8

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 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	108.4 PK			2.55 H	246	66.6	41.8
2	*6415.00	97.7 AV			2.55 H	246	55.9	41.8
3	#12830.00	56.5 PK	88.2	-31.7	2.30 H	189	39.8	16.7
4	#12830.00	44.2 AV	68.2	-24.0	2.30 H	189	27.5	16.7
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	*6415.00	117.6 PK			1.93 V	357	75.8	41.8
2	*6415.00	106.8 AV			1.93 V	357	65.0	41.8
3	#12830.00	56.7 PK	88.2	-31.5	1.90 V	258	40.0	16.7
4	#12830.00	44.4 AV	68.2	-23.8	1.90 V	258	27.7	16.7

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 2 : 5935 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	68.8 PK	88.2	-19.4	2.67 H	251	62.7	6.1
2	#5925.00	54.5 AV	68.2	-13.7	2.67 H	251	48.4	6.1
3	*5935.00	83.9 PK			2.67 H	251	43.2	40.7
4	*5935.00	70.8 AV			2.67 H	251	30.1	40.7
5	11870.00	55.9 PK	74.0	-18.1	2.31 H	190	41.0	14.9
6	11870.00	43.1 AV	54.0	-10.9	2.31 H	190	28.2	14.9
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	#5925.00	74.1 PK	88.2	-14.1	1.96 V	15	68.0	6.1
2	#5925.00	64.0 AV	68.2	-4.2	1.96 V	15	57.9	6.1
3	*5935.00	92.4 PK			1.96 V	15	51.7	40.7
4	*5935.00	79.3 AV			1.96 V	15	38.6	40.7
5	11870.00	56.1 PK	74.0	-17.9	1.94 V	256	41.2	14.9
6	11870.00	43.3 AV	54.0	-10.7	1.94 V	256	28.4	14.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 1 : 5955 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	64.2 PK	88.2	-24.0	2.50 H	245	58.1	6.1
2	#5925.00	47.5 AV	68.2	-20.7	2.50 H	245	41.4	6.1
3	*5955.00	107.7 PK			2.50 H	245	66.9	40.8
4	*5955.00	94.8 AV			2.50 H	245	54.0	40.8
5	11910.00	55.0 PK	74.0	-19.0	2.39 H	187	40.1	14.9
6	11910.00	42.8 AV	54.0	-11.2	2.39 H	187	27.9	14.9
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	#5925.00	66.7 PK	88.2	-21.5	2.06 V	351	60.6	6.1
2	#5925.00	52.3 AV	68.2	-15.9	2.06 V	351	46.2	6.1
3	*5955.00	117.0 PK			2.06 V	351	76.2	40.8
4	*5955.00	103.7 AV			2.06 V	351	62.9	40.8
5	11910.00	55.2 PK	74.0	-18.8	1.85 V	260	40.3	14.9
6	11910.00	43.0 AV	54.0	-11.0	1.85 V	260	28.1	14.9

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 45 : 6175 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6175.00	108.3 PK			2.52 H	250	67.3	41.0
2	*6175.00	95.0 AV			2.52 H	250	54.0	41.0
3	12350.00	57.5 PK	74.0	-16.5	2.40 H	185	42.7	14.8
4	12350.00	44.4 AV	54.0	-9.6	2.40 H	185	29.6	14.8
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	*6175.00	117.1 PK			1.83 V	358	76.1	41.0
2	*6175.00	103.9 AV			1.83 V	358	62.9	41.0
3	12350.00	57.8 PK	74.0	-16.2	1.88 V	256	43.0	14.8
4	12350.00	44.8 AV	54.0	-9.2	1.88 V	256	30.0	14.8

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 93 : 6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	110.4 PK			2.59 H	244	68.6	41.8
2	*6415.00	97.4 AV			2.59 H	244	55.6	41.8
3	#12830.00	57.6 PK	88.2	-30.6	2.42 H	189	40.9	16.7
4	#12830.00	44.7 AV	68.2	-23.5	2.42 H	189	28.0	16.7
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	*6415.00	119.2 PK			2.02 V	358	77.4	41.8
2	*6415.00	106.2 AV			2.02 V	358	64.4	41.8
3	#12830.00	57.8 PK	88.2	-30.4	1.91 V	265	41.1	16.7
4	#12830.00	45.0 AV	68.2	-23.2	1.91 V	265	28.3	16.7

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 3 : 5965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	75.4 PK	88.2	-12.8	2.67 H	250	69.3	6.1
2	#5925.00	60.2 AV	68.2	-8.0	2.67 H	250	54.1	6.1
3	*5965.00	105.8 PK			2.67 H	250	65.0	40.8
4	*5965.00	92.5 AV			2.67 H	250	51.7	40.8
5	11930.00	56.6 PK	74.0	-17.4	2.29 H	193	41.7	14.9
6	11930.00	43.7 AV	54.0	-10.3	2.29 H	193	28.8	14.9
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	#5925.00	81.8 PK	88.2	-6.4	1.93 V	357	75.7	6.1
2	#5925.00	67.2 AV	68.2	-1.0	1.93 V	357	61.1	6.1
3	*5965.00	114.1 PK			1.93 V	357	73.3	40.8
4	*5965.00	101.3 AV			1.93 V	357	60.5	40.8
5	11930.00	56.9 PK	74.0	-17.1	1.84 V	260	42.0	14.9
6	11930.00	43.9 AV	54.0	-10.1	1.84 V	260	29.0	14.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 43 : 6165 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6165.00	104.5 PK			2.50 H	245	63.5	41.0
2	*6165.00	91.8 AV			2.50 H	245	50.8	41.0
3	12330.00	57.9 PK	74.0	-16.1	2.28 H	181	43.0	14.9
4	12330.00	45.2 AV	54.0	-8.8	2.28 H	181	30.3	14.9
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	*6165.00	113.3 PK			1.87 V	357	72.3	41.0
2	*6165.00	100.7 AV			1.87 V	357	59.7	41.0
3	12330.00	58.3 PK	74.0	-15.7	1.79 V	251	43.4	14.9
4	12330.00	45.6 AV	54.0	-8.4	1.79 V	251	30.7	14.9

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 91 : 6405 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	106.6 PK			2.60 H	243	64.8	41.8
2	*6405.00	94.0 AV			2.60 H	243	52.2	41.8
3	#12810.00	56.8 PK	88.2	-31.4	2.42 H	188	40.2	16.6
4	#12810.00	44.5 AV	68.2	-23.7	2.42 H	188	27.9	16.6
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	*6405.00	115.5 PK			1.90 V	358	73.7	41.8
2	*6405.00	102.9 AV			1.90 V	358	61.1	41.8
3	#12810.00	57.1 PK	88.2	-31.1	1.83 V	263	40.5	16.6
4	#12810.00	44.8 AV	68.2	-23.4	1.83 V	263	28.2	16.6

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 7 : 5985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	71.9 PK	88.2	-16.3	2.68 H	222	65.8	6.1
2	#5925.00	58.4 AV	68.2	-9.8	2.68 H	222	52.3	6.1
3	*5985.00	100.1 PK			2.68 H	222	59.2	40.9
4	*5985.00	88.8 AV			2.68 H	222	47.9	40.9
5	11970.00	55.7 PK	74.0	-18.3	2.36 H	188	40.9	14.8
6	11970.00	43.1 AV	54.0	-10.9	2.36 H	188	28.3	14.8
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	#5925.00	80.9 PK	88.2	-7.3	1.70 V	356	74.8	6.1
2	#5925.00	67.2 AV	68.2	-1.0	1.70 V	356	61.1	6.1
3	*5985.00	110.2 PK			1.70 V	356	69.3	40.9
4	*5985.00	96.8 AV			1.70 V	356	55.9	40.9
5	11970.00	56.1 PK	74.0	-17.9	1.89 V	264	41.3	14.8
6	11970.00	43.4 AV	54.0	-10.6	1.89 V	264	28.6	14.8

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 39 : 6145 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6145.00	99.9 PK			2.70 H	223	59.0	40.9
2	*6145.00	88.7 AV			2.70 H	223	47.8	40.9
3	12290.00	56.0 PK	74.0	-18.0	2.35 H	192	41.1	14.9
4	12290.00	42.9 AV	54.0	-11.1	2.35 H	192	28.0	14.9
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	*6145.00	109.4 PK			1.78 V	355	68.5	40.9
2	*6145.00	97.0 AV			1.78 V	355	56.1	40.9
3	12290.00	56.4 PK	74.0	-17.6	1.88 V	267	41.5	14.9
4	12290.00	43.3 AV	54.0	-10.7	1.88 V	267	28.4	14.9

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 87 : 6385 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	102.0 PK			2.67 H	222	60.1	41.9
2	*6385.00	90.1 AV			2.67 H	222	48.2	41.9
3	#12770.00	57.7 PK	88.2	-30.5	2.39 H	190	41.2	16.5
4	#12770.00	44.8 AV	68.2	-23.4	2.39 H	190	28.3	16.5
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	*6385.00	112.2 PK			1.86 V	358	70.3	41.9
2	*6385.00	99.1 AV			1.86 V	358	57.2	41.9
3	#12770.00	57.9 PK	88.2	-30.3	1.85 V	264	41.4	16.5
4	#12770.00	45.0 AV	68.2	-23.2	1.85 V	264	28.5	16.5

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 (HE160)	Channel	CH 15 : 6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	70.5 PK	88.2	-17.7	2.71 H	221	64.4	6.1
2	#5925.00	57.3 AV	68.2	-10.9	2.71 H	221	51.2	6.1
3	*6025.00	96.9 PK			2.71 H	221	56.0	40.9
4	*6025.00	84.9 AV			2.71 H	221	44.0	40.9
5	12050.00	55.9 PK	74.0	-18.1	2.44 H	192	40.8	15.1
6	12050.00	43.3 AV	54.0	-10.7	2.44 H	192	28.2	15.1
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	#5925.00	78.2 PK	88.2	-10.0	1.86 V	354	72.1	6.1
2	#5925.00	66.1 AV	68.2	-2.1	1.86 V	354	60.0	6.1
3	*6025.00	107.5 PK			1.86 V	354	66.6	40.9
4	*6025.00	94.5 AV			1.86 V	354	53.6	40.9
5	12050.00	56.6 PK	74.0	-17.4	1.92 V	272	41.5	15.1
6	12050.00	43.7 AV	54.0	-10.3	1.92 V	272	28.6	15.1

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 (HE160)	Channel	CH 47 : 6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6185.00	97.1 PK			2.70 H	223	56.0	41.1
2	*6185.00	85.1 AV			2.70 H	223	44.0	41.1
3	12370.00	55.9 PK	74.0	-18.1	2.45 H	193	41.1	14.8
4	12370.00	43.1 AV	54.0	-10.9	2.45 H	193	28.3	14.8
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	*6185.00	108.6 PK			1.83 V	356	67.5	41.1
2	*6185.00	95.6 AV			1.83 V	356	54.5	41.1
3	12370.00	56.0 PK	74.0	-18.0	1.93 V	264	41.2	14.8
4	12370.00	43.3 AV	54.0	-10.7	1.93 V	264	28.5	14.8

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 (HE160)	Channel	CH 79 : 6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6345.00	97.7 PK			2.71 H	222	55.8	41.9
2	*6345.00	86.1 AV			2.71 H	222	44.2	41.9
3	12690.00	56.9 PK	74.0	-17.1	2.43 H	195	40.8	16.1
4	12690.00	44.1 AV	54.0	-9.9	2.43 H	195	28.0	16.1
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	*6345.00	108.9 PK			1.84 V	353	67.0	41.9
2	*6345.00	95.7 AV			1.84 V	353	53.8	41.9
3	12690.00	57.6 PK	74.0	-16.4	1.87 V	264	41.5	16.1
4	12690.00	44.6 AV	54.0	-9.4	1.87 V	264	28.5	16.1

Remarks:

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

RF Mode	802.11a	Channel	CH 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	109.2 PK			2.56 H	248	66.5	42.7
2	*6535.00	98.5 AV			2.56 H	248	55.8	42.7
3	#13070.00	57.5 PK	88.2	-30.7	2.35 H	188	40.1	17.4
4	#13070.00	44.7 AV	68.2	-23.5	2.35 H	188	27.3	17.4
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	*6535.00	118.5 PK			1.94 V	355	75.8	42.7
2	*6535.00	107.7 AV			1.94 V	355	65.0	42.7
3	#13070.00	57.7 PK	88.2	-30.5	1.92 V	255	40.3	17.4
4	#13070.00	45.0 AV	68.2	-23.2	1.92 V	255	27.6	17.4

Remarks:

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

RF Mode	802.11a	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	109.9 PK			2.55 H	249	66.8	43.1
2	*6695.00	99.0 AV			2.55 H	249	55.9	43.1
3	13390.00	59.4 PK	74.0	-14.6	2.32 H	194	40.8	18.6
4	13390.00	46.2 AV	54.0	-7.8	2.32 H	194	27.6	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	*6695.00	119.1 PK			1.90 V	356	76.0	43.1
2	*6695.00	108.3 AV			1.90 V	356	65.2	43.1
3	13390.00	59.6 PK	74.0	-14.4	1.93 V	255	41.0	18.6
4	13390.00	46.4 AV	54.0	-7.6	1.93 V	255	27.8	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.

RF Mode	802.11a	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	110.1 PK			2.52 H	252	66.8	43.3
2	*6855.00	99.6 AV			2.52 H	252	56.3	43.3
3	#13710.00	60.6 PK	88.2	-27.6	2.34 H	188	41.1	19.5
4	#13710.00	46.9 AV	68.2	-21.3	2.34 H	188	27.4	19.5
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	*6855.00	119.5 PK			1.94 V	352	76.2	43.3
2	*6855.00	108.8 AV			1.94 V	352	65.5	43.3
3	#13710.00	60.8 PK	88.2	-27.4	1.87 V	254	41.3	19.5
4	#13710.00	47.3 AV	68.2	-20.9	1.87 V	254	27.8	19.5

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 117 : 6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	111.2 PK			2.56 H	247	68.5	42.7
2	*6535.00	98.4 AV			2.56 H	247	55.7	42.7
3	#13070.00	58.4 PK	88.2	-29.8	2.40 H	192	41.0	17.4
4	#13070.00	45.3 AV	68.2	-22.9	2.40 H	192	27.9	17.4
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	*6535.00	120.2 PK			1.96 V	355	77.5	42.7
2	*6535.00	107.2 AV			1.96 V	355	64.5	42.7
3	#13070.00	58.6 PK	88.2	-29.6	1.89 V	266	41.2	17.4
4	#13070.00	45.4 AV	68.2	-22.8	1.89 V	266	28.0	17.4

Remarks:

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

RF Mode	802.11ax (HE20)	Channel	CH 149 : 6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	111.5 PK			2.55 H	250	68.4	43.1
2	*6695.00	98.4 AV			2.55 H	250	55.3	43.1
3	13390.00	59.6 PK	74.0	-14.4	2.42 H	193	41.0	18.6
4	13390.00	46.4 AV	54.0	-7.6	2.42 H	193	27.8	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	*6695.00	120.2 PK			1.92 V	357	77.1	43.1
2	*6695.00	107.1 AV			1.92 V	357	64.0	43.1
3	13390.00	59.8 PK	74.0	-14.2	1.90 V	264	41.2	18.6
4	13390.00	46.6 AV	54.0	-7.4	1.90 V	264	28.0	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.

RF Mode	802.11ax (HE20)	Channel	CH 181 : 6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	112.1 PK			2.55 H	248	68.8	43.3
2	*6855.00	99.1 AV			2.55 H	248	55.8	43.3
3	#13710.00	60.5 PK	88.2	-27.7	2.43 H	187	41.0	19.5
4	#13710.00	47.4 AV	68.2	-20.8	2.43 H	187	27.9	19.5
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	*6855.00	120.8 PK			2.00 V	358	77.5	43.3
2	*6855.00	108.1 AV			2.00 V	358	64.8	43.3
3	#13710.00	60.7 PK	88.2	-27.5	1.91 V	263	41.2	19.5
4	#13710.00	47.6 AV	68.2	-20.6	1.91 V	263	28.1	19.5

Remarks:

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

RF Mode	802.11ax (HE40)	Channel	CH 123 : 6565 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	107.9 PK			2.61 H	248	64.9	43.0
2	*6565.00	95.0 AV			2.61 H	248	52.0	43.0
3	#13130.00	57.9 PK	88.2	-30.3	2.44 H	190	40.3	17.6
4	#13130.00	45.2 AV	68.2	-23.0	2.44 H	190	27.6	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	*6565.00	116.5 PK			1.90 V	355	73.5	43.0
2	*6565.00	104.0 AV			1.90 V	355	61.0	43.0
3	#13130.00	58.1 PK	88.2	-30.1	1.85 V	264	40.5	17.6
4	#13130.00	45.4 AV	68.2	-22.8	1.85 V	264	27.8	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 155 : 6725 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	108.1 PK			2.55 H	252	65.2	42.9
2	*6725.00	95.4 AV			2.55 H	252	52.5	42.9
3	#13450.00	59.6 PK	88.2	-28.6	2.40 H	193	40.8	18.8
4	#13450.00	46.6 AV	68.2	-21.6	2.40 H	193	27.8	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	*6725.00	116.7 PK			1.93 V	358	73.8	42.9
2	*6725.00	104.2 AV			1.93 V	358	61.3	42.9
3	#13450.00	59.8 PK	88.2	-28.4	1.86 V	266	41.0	18.8
4	#13450.00	46.8 AV	68.2	-21.4	1.86 V	266	28.0	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.
6. " # " : The radiated frequency is out of the restricted band.

RF Mode	802.11ax (HE40)	Channel	CH 179 : 6845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	108.8 PK			2.52 H	250	65.5	43.3
2	*6845.00	95.9 AV			2.52 H	250	52.6	43.3
3	#13690.00	60.0 PK	88.2	-28.2	2.43 H	190	40.5	19.5
4	#13690.00	47.3 AV	68.2	-20.9	2.43 H	190	27.8	19.5
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	*6845.00	117.3 PK			1.92 V	355	74.0	43.3
2	*6845.00	104.8 AV			1.92 V	355	61.5	43.3
3	#13690.00	60.2 PK	88.2	-28.0	1.80 V	263	40.7	19.5
4	#13690.00	47.5 AV	68.2	-20.7	1.80 V	263	28.0	19.5

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 135 : 6625 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6625.00	102.3 PK			2.66 H	224	59.0	43.3
2	*6625.00	91.0 AV			2.66 H	224	47.7	43.3
3	13250.00	59.5 PK	74.0	-14.5	2.44 H	191	41.3	18.2
4	13250.00	46.4 AV	54.0	-7.6	2.44 H	191	28.2	18.2
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6625.00	112.8 PK			1.72 V	355	69.5	43.3
2	*6625.00	99.3 AV			1.72 V	355	56.0	43.3
3	13250.00	59.7 PK	74.0	-14.3	1.87 V	268	41.5	18.2
4	13250.00	46.6 AV	54.0	-7.4	1.87 V	268	28.4	18.2

Remarks:

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

RF Mode	802.11ax (HE80)	Channel	CH 151 : 6705 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6705.00	103.2 PK			2.68 H	225	60.1	43.1
2	*6705.00	91.6 AV			2.68 H	225	48.5	43.1
3	#13410.00	59.8 PK	88.2	-28.4	2.41 H	190	41.2	18.6
4	#13410.00	47.2 AV	68.2	-21.0	2.41 H	190	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	*6705.00	113.3 PK			1.71 V	356	70.2	43.1
2	*6705.00	99.6 AV			1.71 V	356	56.5	43.1
3	#13410.00	60.0 PK	88.2	-28.2	1.89 V	265	41.4	18.6
4	#13410.00	47.3 AV	68.2	-20.9	1.89 V	265	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 (HE80)	Channel	CH 167 : 6785 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6785.00	103.1 PK			2.70 H	224	60.3	42.8
2	*6785.00	91.0 AV			2.70 H	224	48.2	42.8
3	#13570.00	60.3 PK	88.2	-27.9	2.38 H	190	41.2	19.1
4	#13570.00	47.4 AV	68.2	-20.8	2.38 H	190	28.3	19.1
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	*6785.00	112.8 PK			1.71 V	354	70.0	42.8
2	*6785.00	99.0 AV			1.71 V	354	56.2	42.8
3	#13570.00	60.5 PK	88.2	-27.7	1.93 V	265	41.4	19.1
4	#13570.00	47.6 AV	68.2	-20.6	1.93 V	265	28.5	19.1

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 (HE160)	Channel	CH 143 : 6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6665.00	99.7 PK			2.71 H	222	56.5	43.2
2	*6665.00	88.2 AV			2.71 H	222	45.0	43.2
3	13330.00	59.5 PK	74.0	-14.5	2.45 H	192	40.9	18.6
4	13330.00	46.8 AV	54.0	-7.2	2.45 H	192	28.2	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	*6665.00	110.3 PK			1.92 V	355	67.1	43.2
2	*6665.00	97.4 AV			1.92 V	355	54.2	43.2
3	13330.00	59.8 PK	74.0	-14.2	1.94 V	277	41.2	18.6
4	13330.00	47.0 AV	54.0	-7.0	1.94 V	277	28.4	18.6

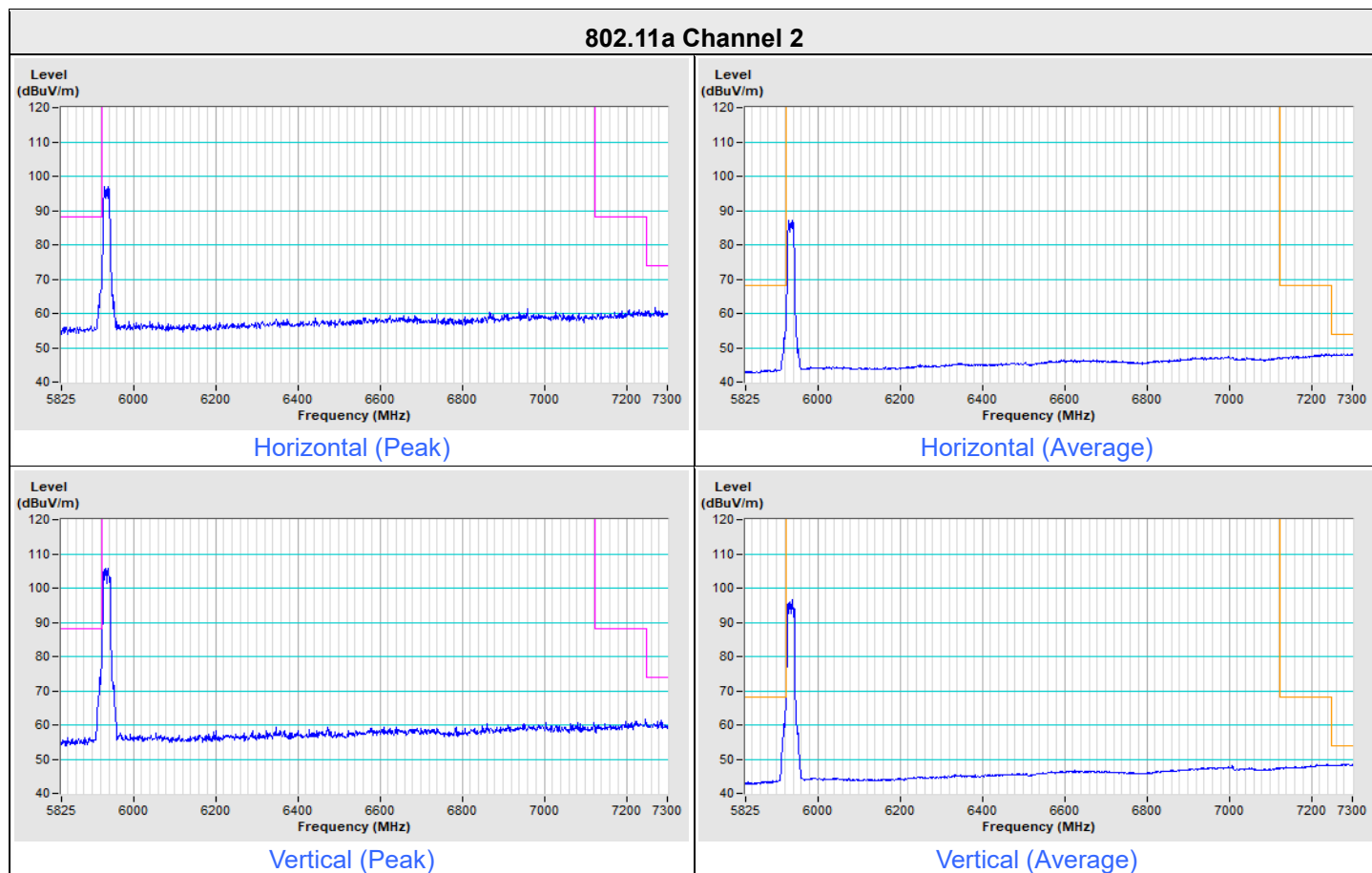
Remarks:

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.

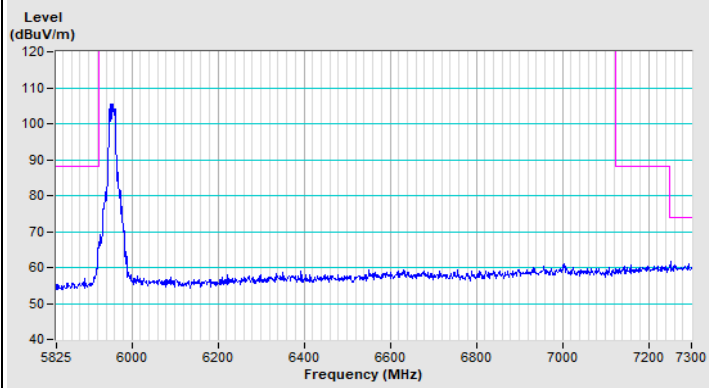
Mode B (Under control by Standard Client)

Plot of Band Edge

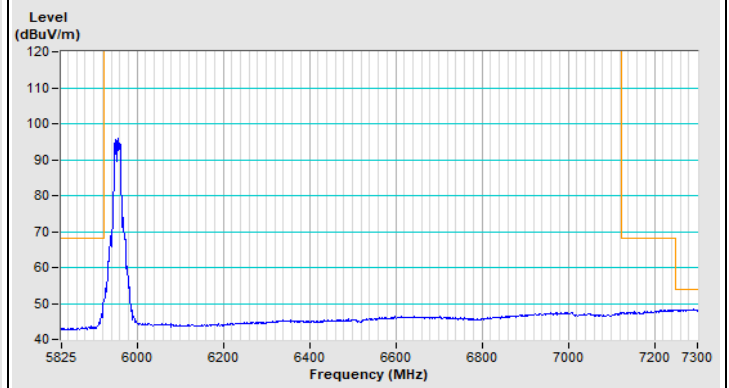
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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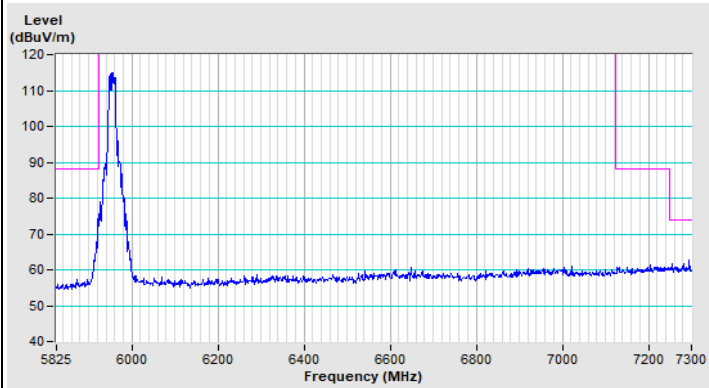
802.11a Channel 1



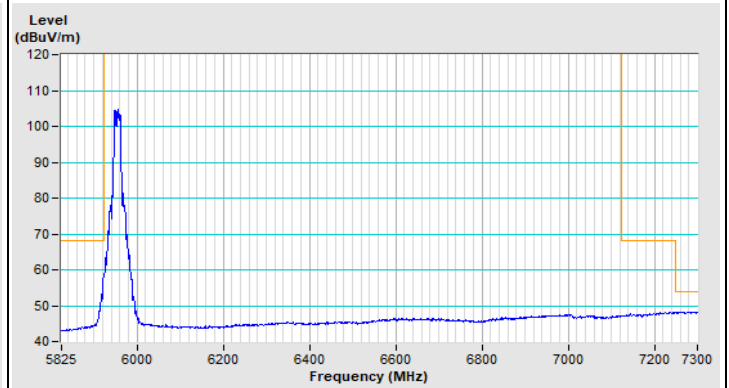
Horizontal (Peak)



Horizontal (Average)



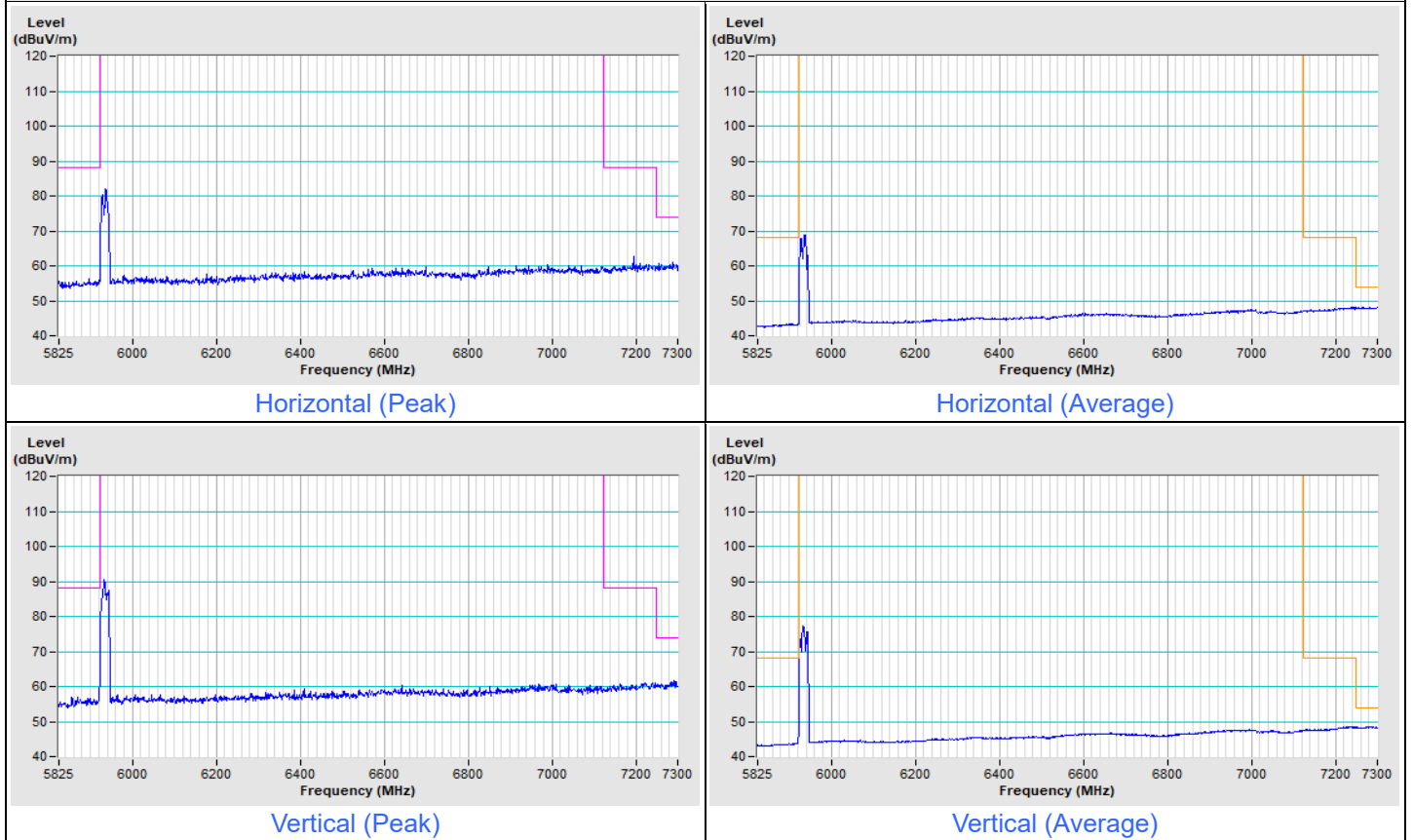
Vertical (Peak)



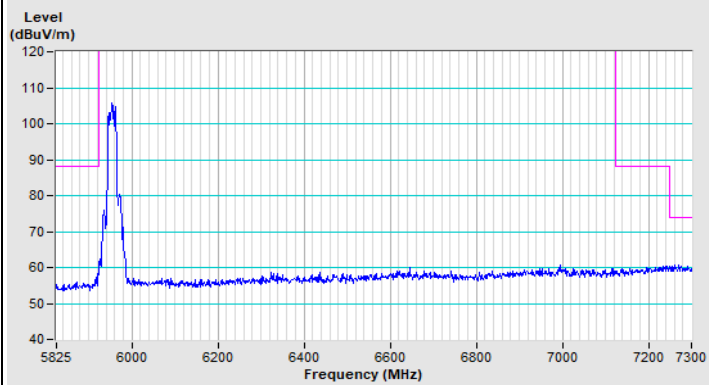
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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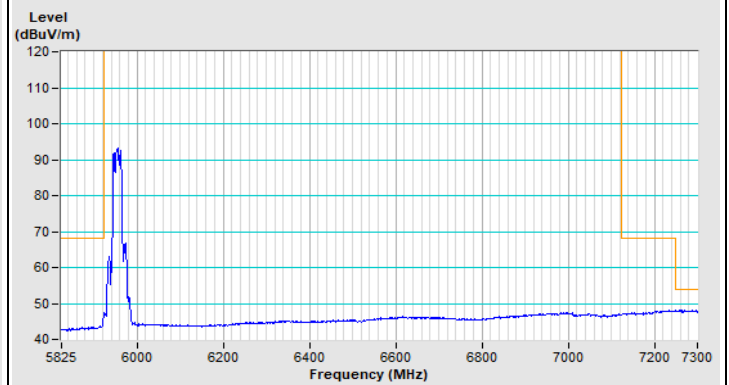
802.11ax (HE20) Channel 2



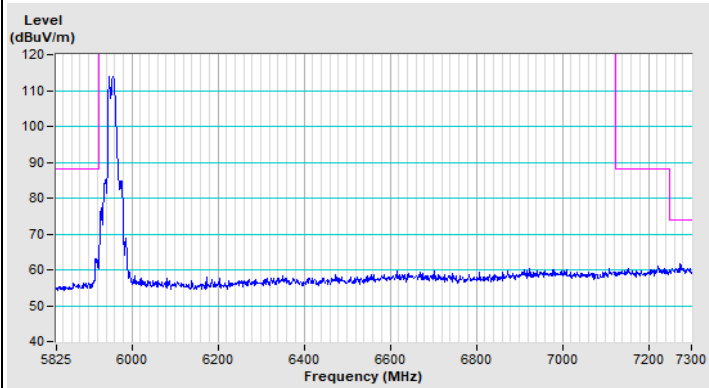
802.11ax (HE20) Channel 1



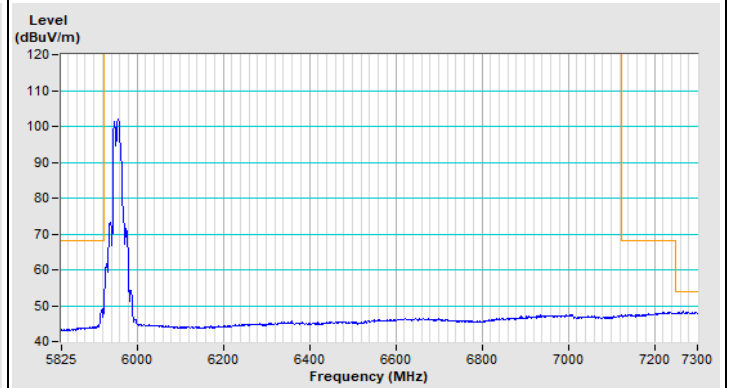
Horizontal (Peak)



Horizontal (Average)



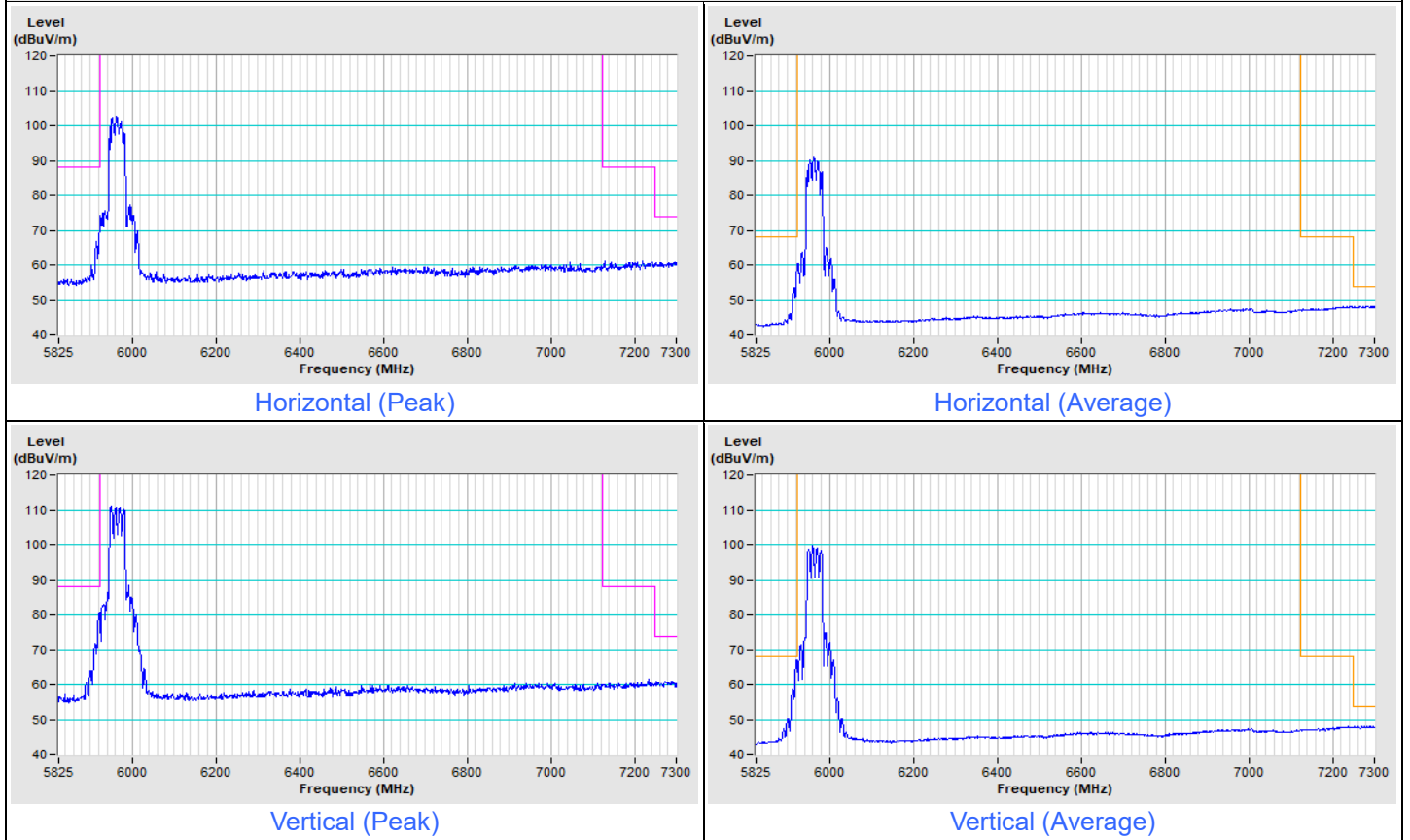
Vertical (Peak)



Vertical (Average)

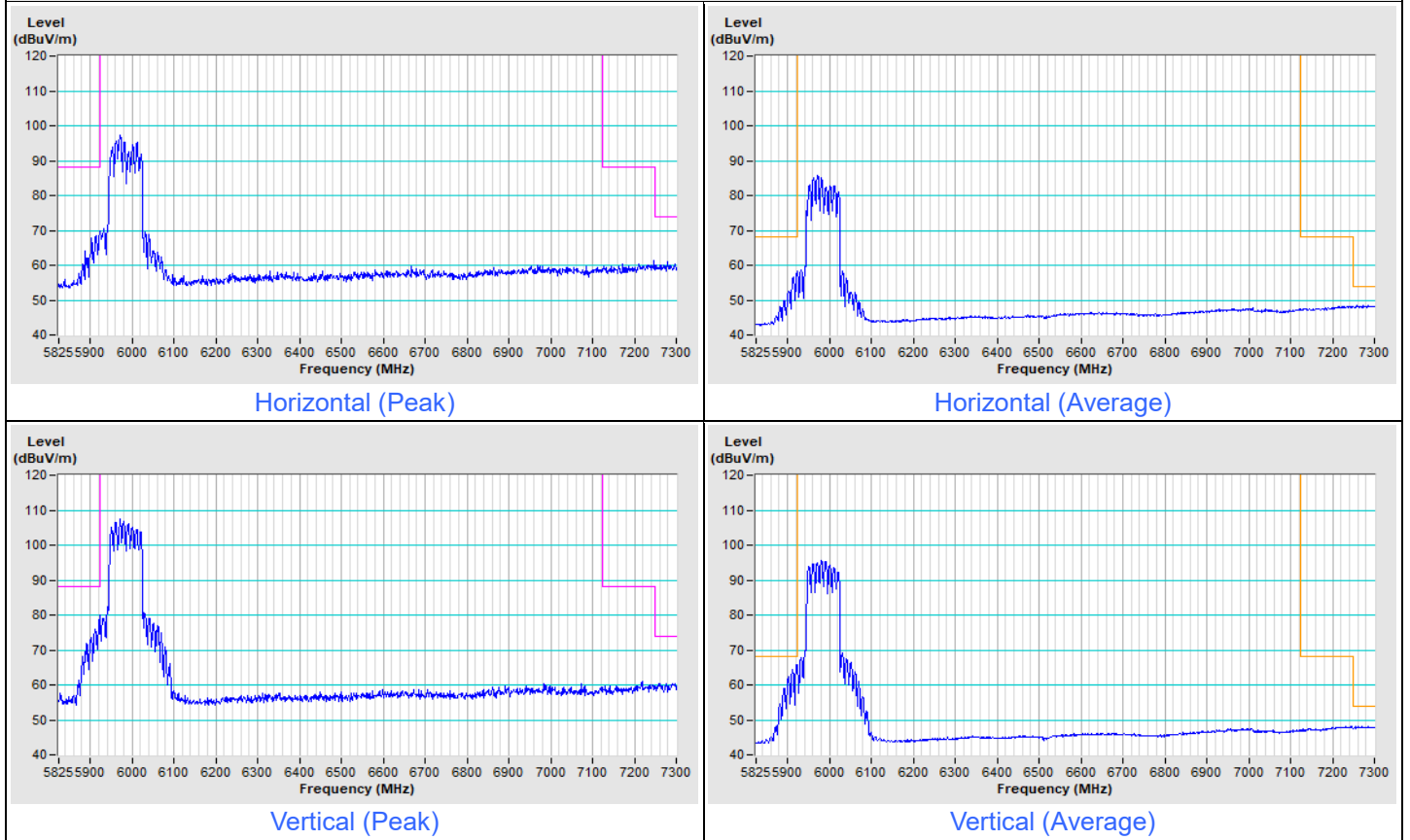
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE40) Channel 3



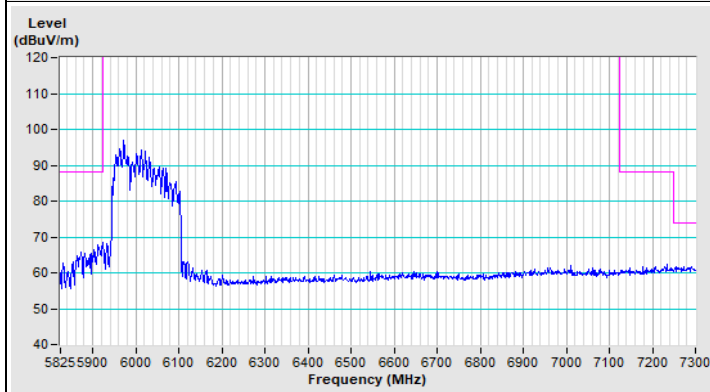
Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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802.11ax (HE80) Channel 7

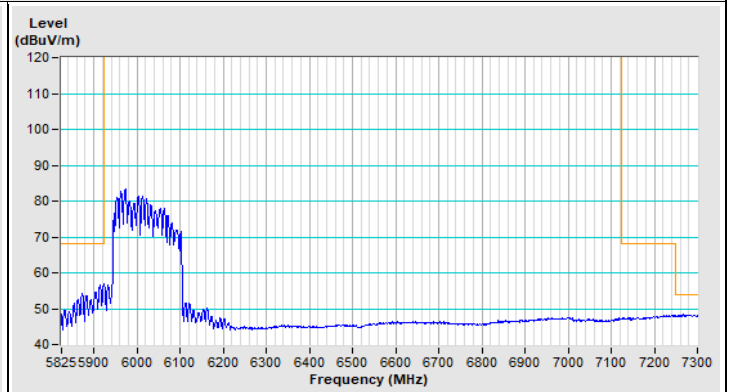


Frequency Range	5.825 GHz ~ 7.3 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
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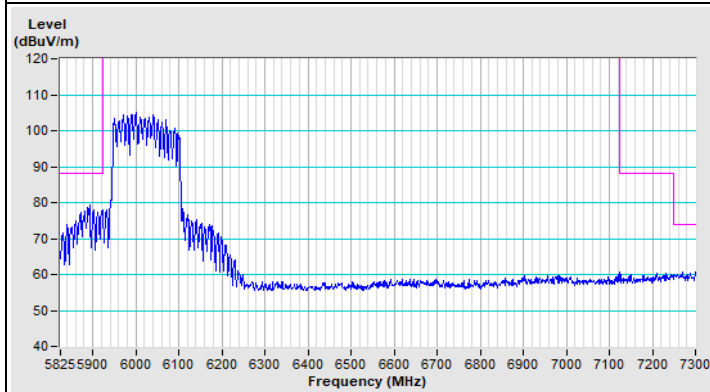
802.11ax (HE160) Channel 15



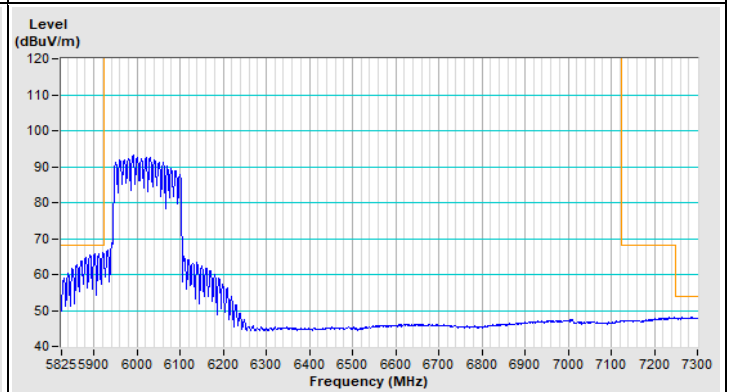
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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Email: service.adt@bureauveritas.com

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

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

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