TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 15, Subpart E (Section 15.407)**
Report No.:	RFBDQY-WTW-P23110009-3
FCC ID:	2A9V3PAX5400
Product:	WiFi Access Point
Brand:	Plasma Cloud Pte. Ltd.
Model No.:	PAX5400
Received Date:	2023/11/1
Test Date:	2023/12/28 ~ 2024/2/7
Issued Date:	2024/3/14
Applicant:	Plasma Cloud Pte. Ltd.
Address:	10 Anson Road 33-03 International Plaza, Singapore 079903
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

Approved by: _____ , **Date:** 2024/3/14

Wen Yu / Assistant Manager

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Prepared by : Phoenix Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBDQY-WTW-P23110009-3	Original release.	2024/3/14

1 Certificate

Product:	WiFi Access Point
Brand:	Plasma Cloud Pte. Ltd.
Test Model:	PAX5400
Sample Status:	Engineering sample
Applicant:	Plasma Cloud Pte. Ltd.
Test Date:	2023/12/28 ~ 2024/2/7
Standard:	47 CFR FCC Part 15, Subpart E (Section 15.407)
Measurement procedure:	ANSI C63.10-2013 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)(5)	Maximum RF Output Power	Pass	Meet the requirement of limit.
15.407(a)(5)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(10)	Emission Bandwidth	Pass	Meet the requirement of limit.
15.407(a)(10)	Occupied Bandwidth	Pass	Meet the requirement of limit.
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -16.03 dB at 0.18125 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -5.6 dB at 618.23 MHz
15.407(b)(6) 15.407(b)(10)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -9.6 dB at 17895.00, 19035.00, 19335.00, 19425.00, 19455.00, 19515.00, 19605.00, 20115.00, 20175.00, 20475.00 and 20625.00 MHz
15.407(b)(7)	In-Band Emission Mask	Pass	Meet the requirement of limit.
15.407(d)(6)	Contention-based Protocol	Pass	Meet the requirement of limit.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used.

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

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
Maximum RF Output Power	-	1.1 dB
Maximum Power Spectral Density	-	1.1 dB
Emission Bandwidth	-	1050.00 Hz
In-Band Emission Mask	9 kHz ~ 40 GHz	2.6 dB
Occupied Bandwidth	-	1050.00 Hz
Frequency Stability	-	0.16 ppm
Contention-based Protocol	-	2.7 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	WiFi Access Point
Brand	Plasma Cloud Pte. Ltd.
Test Model	PAX5400
Status of EUT	Engineering sample
Power Supply Rating	12 Vdc from adapter or 48~54 Vdc from POE
Modulation Type	1024QAM for OFDMA in 11ax mode
Modulation Technology	OFDMA
Transfer Rate	802.11ax: up to 2401.9 Mbps
Operating Frequency	5.955 GHz ~ 6.415 GHz 6.435 GHz ~ 6.525 GHz 6.535 GHz ~ 6.865 GHz 6.875 GHz ~ 7.095 GHz
Number of Channel	802.11ax (HE20): 58 802.11ax (HE40): 29 802.11ax (HE80): 14 802.11ax (HE160): 7
Output Power	**CDD Mode:** 5.955 GHz ~ 6.415 GHz : EIRP: 135.519 mW (21.32 dBm) 6.435 GHz ~ 6.525 GHz : EIRP: 133.352 mW (21.25 dBm) 6.535 GHz ~ 6.865 GHz : EIRP: 140.281 mW (21.47 dBm) 6.875 GHz ~ 7.095 GHz : EIRP: 137.721 mW (21.39 dBm) **Beamforming Mode** 5.955 GHz ~ 6.415 GHz : EIRP: 308.46 mW (24.89 dBm) 6.435 GHz ~ 6.525 GHz : EIRP: 278.07 mW (24.44 dBm) 6.535 GHz ~ 6.865 GHz : EIRP: 298.099 mW (24.74 dBm) 6.875 GHz ~ 7.095 GHz : EIRP: 325.18 mW (25.12 dBm)
Equipment Class	6ID: 15E 6 GHz Low-power indoor access point

Note:

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

Condition	Technology		
1	WLAN (2.4 GHz)	WLAN (5 GHz)	WLAN (6 GHz)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.			

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna No.	RF Chain No.	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	2.4G Chain 0	4.3	2.4~2.4835	PIFA	ipex(MHF)	115
2	2.4G Chain 1	3.6	2.4~2.4835	PIFA	ipex(MHF)	215
3	5G Chain 0	4.4 4.6 5.2 5.4	5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	PIFA	ipex(MHF)	180
4	5G Chain 1	6.0 5.8 5.5 4.9	5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	PIFA	ipex(MHF)	234
5	6G Chain 0	5.8 5.8 6.0 6.0	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	ipex(MHF)	165
6	6G Chain 1	5.2 4.3 5.2 5.8	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	ipex(MHF)	205

* 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**	
802.11ax (HE20)	2Tx	2Rx
802.11ax (HE40)	2Tx	2Rx
802.11ax (HE80)	2Tx	2Rx
802.11ax (HE160)	2Tx	2Rx
Note: The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.		

3.3 Channel List

U-NII-5:

24 channels are provided for 802.11ax (HE20):

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
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:

5 channels are provided for 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 802.11ax (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:

12 channels are provided for 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

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.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The POE and AC Adapter has the following models: POE31U-1AT(POE) / WA-36W12R(Adapter), Pre-scan these models of POEs and AC Adapter and find the worst case as a representative test condition. 2. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
Worst Case:	1. POE or Adapter Worst Condition: POE Mode 2. X-axis/ Y-axis/ Z-axis Worst Condition: Y-axis

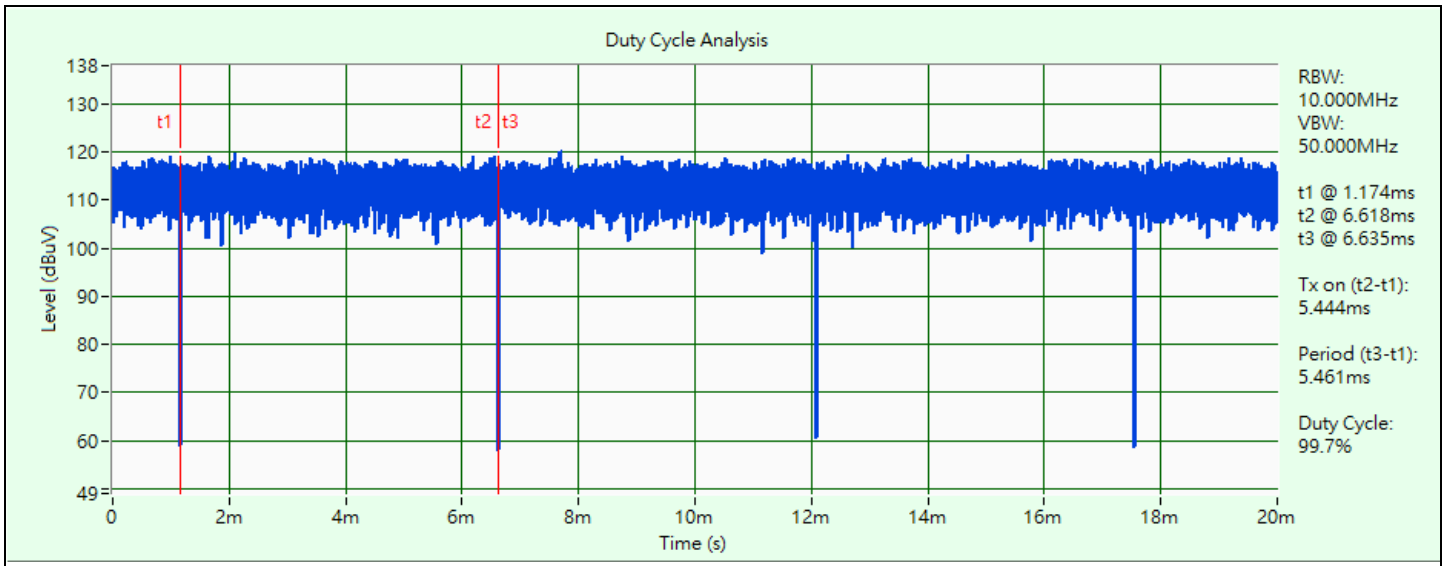
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Maximum RF Output Power / Maximum Power Spectral Density	802.11ax (HE20)	CDD & Beamforming	1, 45, 93	BPSK	MCS0
			97, 105, 113		
			117, 149, 181, 185		
			209, 229		
	802.11ax (HE40)		3, 43, 91	BPSK	MCS0
			99, 107, 115		
			123, 155, 179		
			187, 211, 227		
	802.11ax (HE80)		7, 39, 87	BPSK	MCS0
			103		
			119, 151, 183		
			199, 215		
	802.11ax (HE160)		15, 47, 79	BPSK	MCS0
			111		
			143, 175		
			207		
Emission Bandwidth / In-Band Emission Mask / Occupied Bandwidth	802.11ax (HE20)	CDD	1, 45, 93	BPSK	MCS0
			97, 105, 113		
			117, 149, 181, 185		
			209, 229		
	802.11ax (HE40)		3, 43, 91	BPSK	MCS0
			99, 107, 115		
			123, 155, 179		
			187, 211, 227		
	802.11ax (HE80)		7, 39, 87	BPSK	MCS0
			103		
			119, 151, 183		
			199, 215		
	802.11ax (HE160)		15, 47, 79	BPSK	MCS0
			111		
			143, 175		
			207		

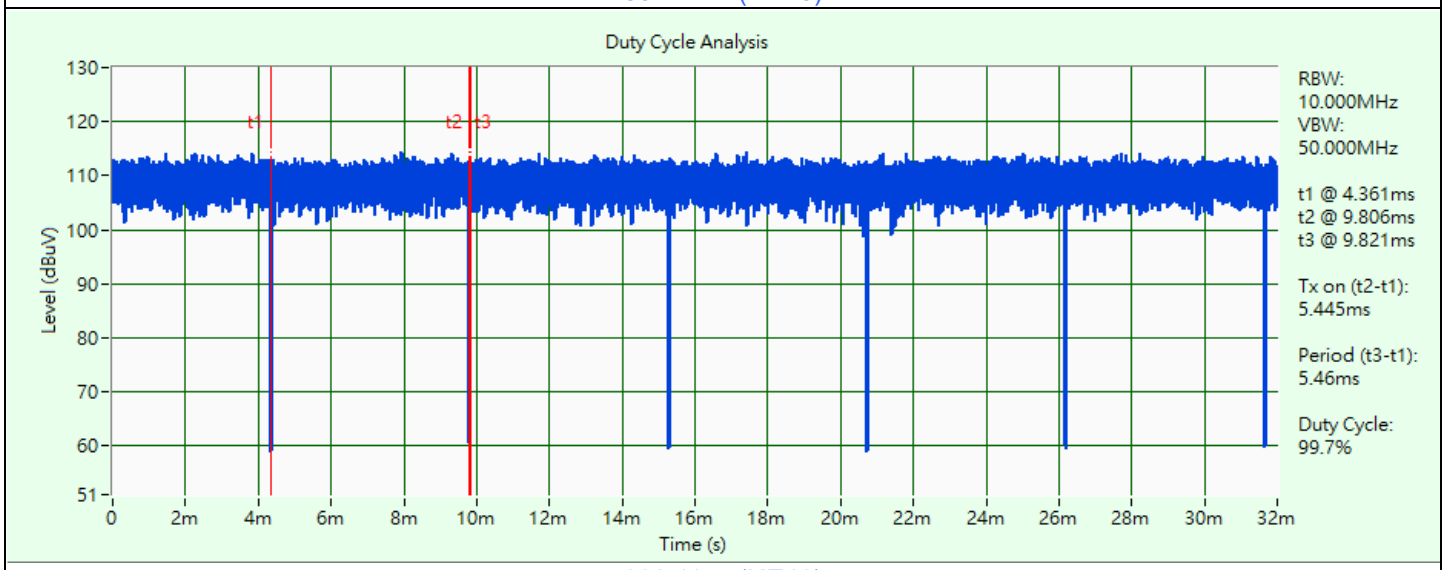
Test Item	Mode	Signal Mode	Tested Channel	Modulation	Data Rate Parameter
Frequency Stability	802.11ax (HE20)	-	1	unmodulated	-
Contention-based Protocol	802.11ax (HE20)	-	33, 97, 129, 193	BPSK	MCS0
	802.11ax (HE160)	-	47, 111, 143, 207	BPSK	MCS0
AC Power Conducted Emissions	802.11ax (HE160)	CDD	175	BPSK	MCS0
Unwanted Emissions below 1 GHz	802.11ax (HE160)	CDD	175	BPSK	MCS0
Unwanted Emissions above 1 GHz	802.11ax (HE20)	CDD	1, 45, 93	BPSK	MCS0
			97, 105, 113		
			117, 149, 181, 185		
			209, 229		
	802.11ax (HE40)		3, 43, 91	BPSK	MCS0
			99, 107, 115		
			123, 155, 179		
			187, 211, 227		
	802.11ax (HE80)		7, 39, 87	BPSK	MCS0
			103		
			119, 151, 183		
			199, 215		
	802.11ax (HE160)		15, 47, 79	BPSK	MCS0
			111		
			143, 175		
			207		
Note: Partial RU (resource unit) configurations, channel puncturing and/or bandwidth reduction mechanisms are not supported by the EUT.					

3.5 Duty Cycle of Test Signal

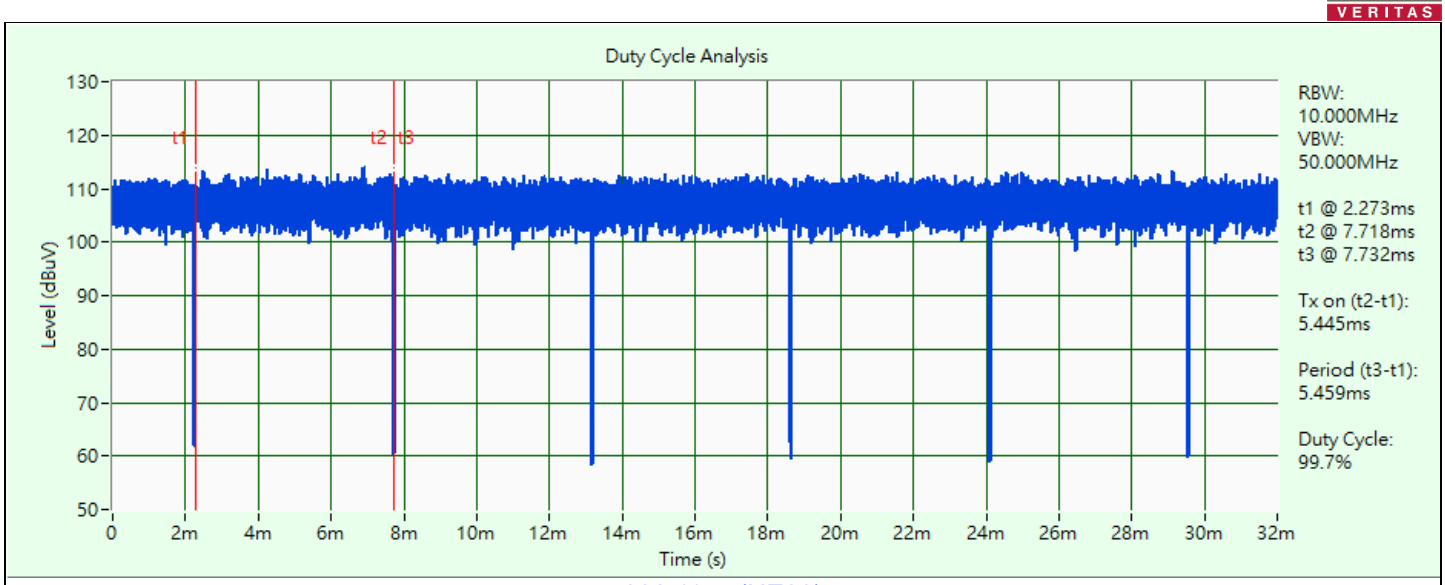
802.11ax (HE20): Duty cycle = 5.444 ms / 5.461 ms x 100% = 99.7%
802.11ax (HE40): Duty cycle = 5.445 ms / 5.46 ms x 100% = 99.7%
802.11ax (HE80): Duty cycle = 5.445 ms / 5.459 ms x 100% = 99.7%
802.11ax (HE160): Duty cycle = 5.445 ms / 5.46 ms x 100% = 99.7%



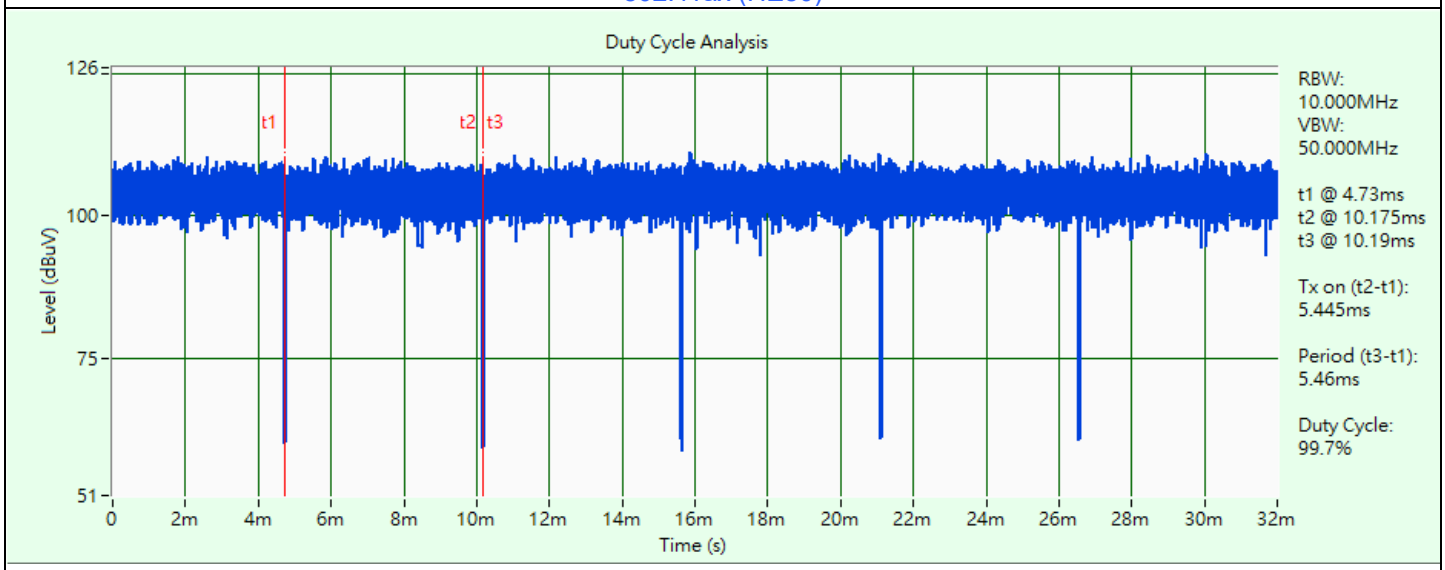
802.11ax (HE20)



802.11ax (HE40)



802.11ax (HE80)



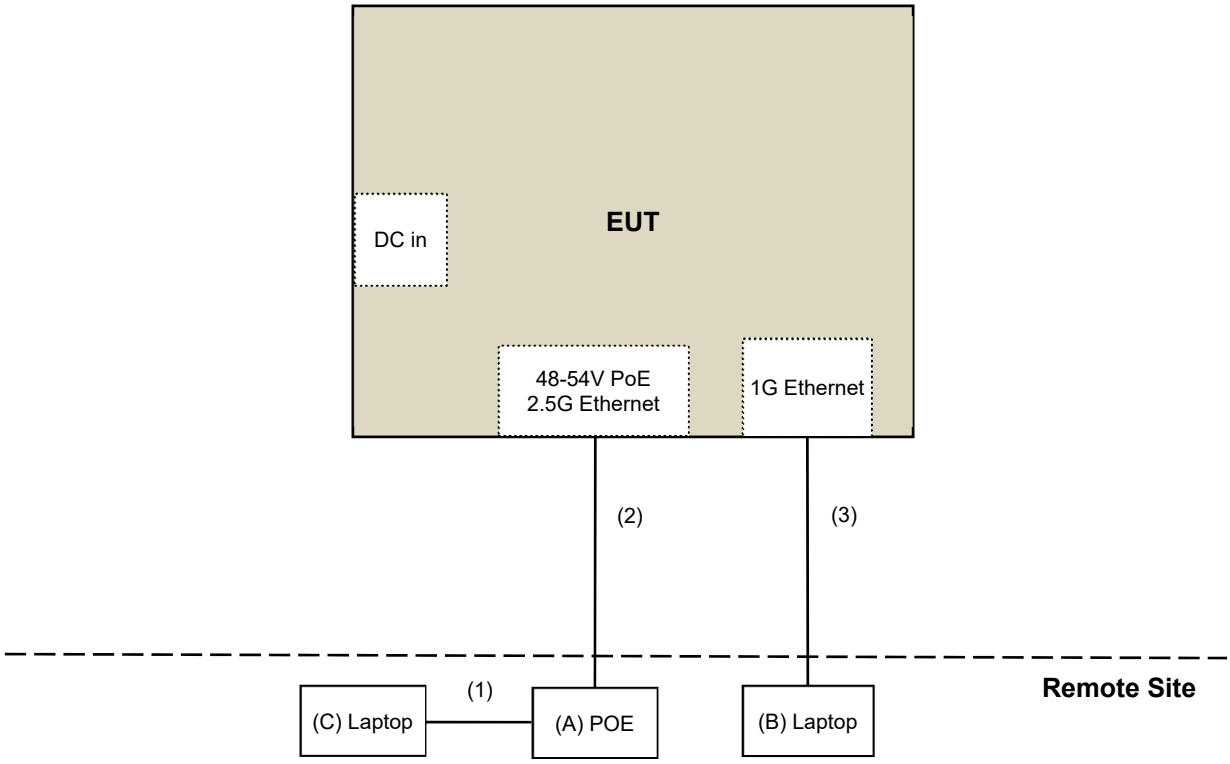
802.11ax (HE160)

3.6 Test Program Used and Operation Descriptions

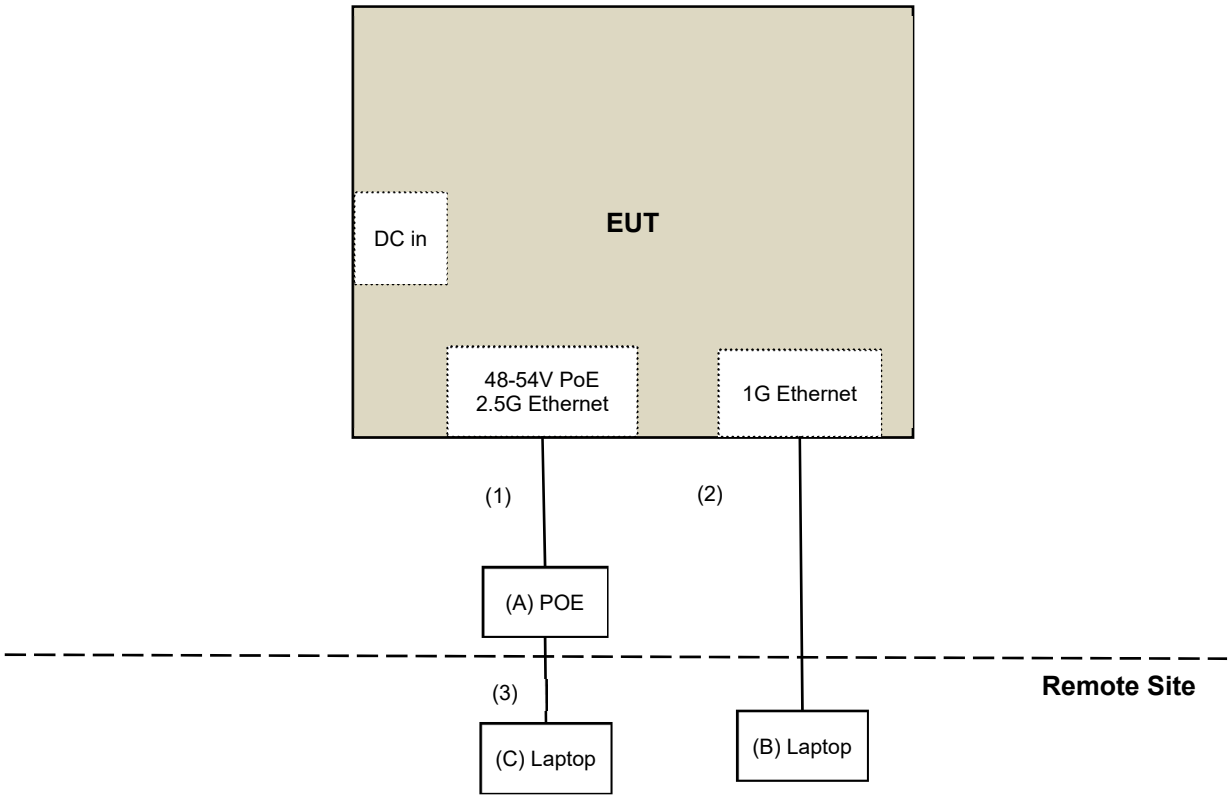
Controlling software (qdart_conn.win.1.0_installer_00094.1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emissions test:



For AC Power Conducted Emission Test:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	POE	PHIHONG SWITCHING POWER SUPPLY	POE31U-1AT	N/A	N/A	Supplied by applicant
B	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
C	Laptop	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ45 Cable	1	0.3	NO	0	Provided by Lab
2	RJ45 Cable	1	10	NO	0	Provided by Lab
3	RJ45 Cable	1	10	NO	0	Provided by Lab

4 Test Instruments

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

4.1 Maximum RF Output Power

Radiated Measurement Method

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2023/11/12	2024/11/11
MXE EMI Receiver Agilent	N9038A	MY50010156	2023/6/13	2024/6/12
Preamplifier EMCI	EMC12630SE	980384	2024/1/29	2025/1/28
RF Coaxial Cable EMCI	EMC104-SM-SM-1500	180504	2024/1/29	2025/1/28
	EMC104-SM-SM-2000	180601	2024/1/29	2025/1/28
	EMC104-SM-SM-6000	210201	2024/1/29	2025/1/28
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2024/2/7

Conducted Measurement Method

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Power Meter Anritsu	ML2495A	1529002	2023/6/17	2024/6/16
Pulse Power Sensor Anritsu	MA2411B	1726434	2023/6/19	2024/6/18

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/2/7

4.2 Maximum Power Spectral Density

Refer to section 4.1 to get information of the instruments.

4.3 Emission Bandwidth

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/2/7

4.4 In-Band Emission Mask

Refer to section 4.3 to get information of the instruments.

4.5 Occupied Bandwidth

Refer to section 4.3 to get information of the instruments.

4.6 Frequency Stability

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
DC Power Supply Topward	6603D	795558	N/A	N/A
MXA Signal Analyzer Keysight	N9020B	MY60112409	2023/2/18	2024/2/17
Software	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	2023/12/20	2024/12/19
True RMS Clamp Meter FLUKE	325	31130711WS	2023/6/8	2024/6/7

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2024/2/7

4.7 Contention-based Protocol

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Frequency Extender Keysight	N5182BX07	MY59360198	2023/10/6	2024/10/5
MXG Vector Signal Generator Keysight	N5182B	MY53052647	2023/10/2	2024/10/1
Power Splitter/Combiner Mini-Circuits	ZFRSC-123-S+	F698501347_01	2023/12/12	2024/12/11
		F698501347_02	2023/12/12	2024/12/11
PXA Signal Analyzer Keysight	N9030A	MY55410176	2023/6/13	2024/6/12
Signal Analyzer R&S	FSV40	101516	2023/2/10	2024/2/9

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2024/1/6

4.8 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2023/10/20	2024/10/19
EMI Test Receiver R&S	ESCS 30	847124/029	2023/10/18	2024/10/17
Fixed Attenuator STI	STI02-2200-10	005	2023/7/1	2024/6/30
LISN R&S	ESH3-Z5	835239/001	2023/4/6	2024/4/5
		848773/004	2023/10/13	2024/10/12
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2023/7/1	2024/6/30
Software BVADT	BVADT_Cond_V7.3.7.4	N/A	N/A	N/A

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2024/1/27

4.9 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2023/10/13	2024/10/12
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed Attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	2023/9/7	2024/9/6
Loop Antenna Electro-Metrics	EM-6879	264	2023/2/21	2024/2/20
MXE EMI Receiver Agilent	N9038A	MY50010156	2023/6/13	2024/6/12
Preamplifier EMCI	EMC330N	980852	2023/2/20	2024/2/19
	EMC001340	980142	2023/5/8	2024/5/7
RF Coaxial Cable JYEBAO	5D-FB	LOOPCAB-001	2023/12/12	2024/12/11
		LOOPCAB-002	2023/12/12	2024/12/11
RF Coaxial Cable PEWC	8D	966-3-2	2023/2/17	2024/2/16
		966-3-3	2023/2/17	2024/2/16
		966-4-1	2023/2/18	2024/2/17
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2024/1/2

4.10 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2023/11/12	2024/11/11
	BBHA 9170	9170-739	2023/11/12	2024/11/11
MXE EMI Receiver Agilent	N9038A	MY50010156	2023/6/13	2024/6/12
Preamplifier EMCI	EMC12630SE	980384	2023/8/9	2024/8/8
	EMC184045SE	980387	2023/8/9	2024/8/8
PXA Signal Analyzer Keysight	N9030B	MY57142938	2023/4/6	2024/4/5
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2023/8/9	2024/8/8
	EMC102-KM-KM-4000	200214	2023/2/20	2024/2/19
	EMC104-SM-SM-1500	180504	2023/3/27	2024/3/26
	EMC104-SM-SM-2000	180601	2023/6/2	2024/6/1
	EMC104-SM-SM-6000	210201	2023/5/8	2024/5/7
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in 966 Chamber No. 3.
2. Tested Date: 2023/12/28 ~ 2024/1/26

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	6ID: 15E 6 GHz Low-power indoor 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 Maximum Power Spectral Density

Operation Band	Equipment Class	Limit
		Maximum Power Density
U-NII-5 U-NII-6 U-NII-7 U-NII-8	6ID: 15E 6 GHz Low-power indoor access point	EIRP 5 dBm/MHz

5.3 Emission Bandwidth

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

5.4 In-Band Emission Mask

Test Item	Frequencies (MHz)	(X) dBc*1
Emission Mask	At 1 MHz outside of channel edge	20
	At one channel bandwidth from the channel center*2	28
	At one- and one-half times the channel bandwidth away from channel center*3	40
	More than one- and one-half times the channel bandwidth	40

*1 : The power spectral density must be suppressed by “x” dB

*2 : At frequencies between one megahertz outside an unlicensed device’s channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression,

*3 : At frequencies between one and one- and one-half times an unlicensed device’s channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.

5.5 Occupied Bandwidth

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

5.6 Frequency Stability

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

5.7 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.

5.8 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.

5.9 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).

5.10 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:

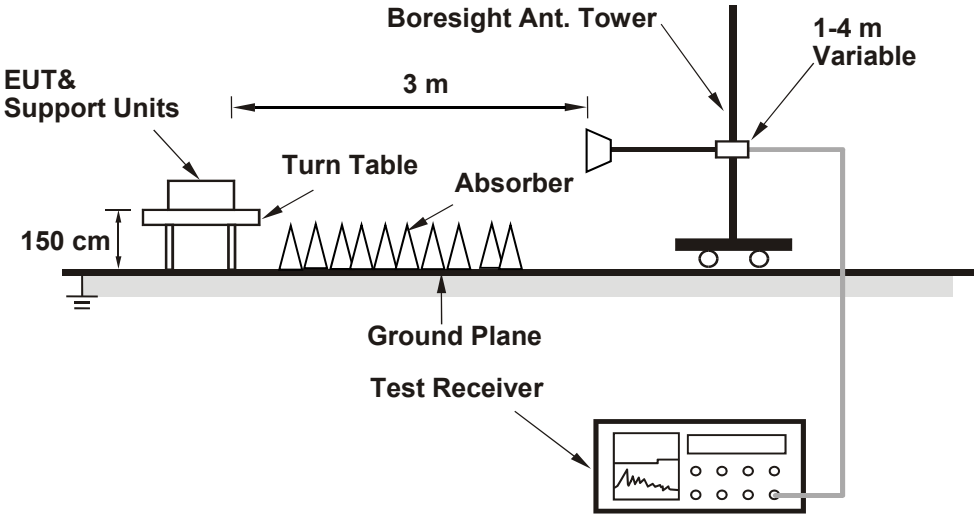
$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts).

6 Test Arrangements

6.1 Maximum RF Output Power

6.1.1 Test Setup

Radiated Measurement Method



Conducted Measurement Method

6.1.2 Test Procedure

Radiated Measurement Method

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
e. Follow ANSI C63.10 section 12.7.3, EIRP Value (dBm) = Field Strength Value (dBuV / m) + Correction Factor @ 3 m.
f. Correction Factor (dB) @ 3 m = 20log(D) – 104.77 = -95.23 dB; where D is the measurement distance @3 m.

Spectrum analyzer setting as below:
Method SA-1

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

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

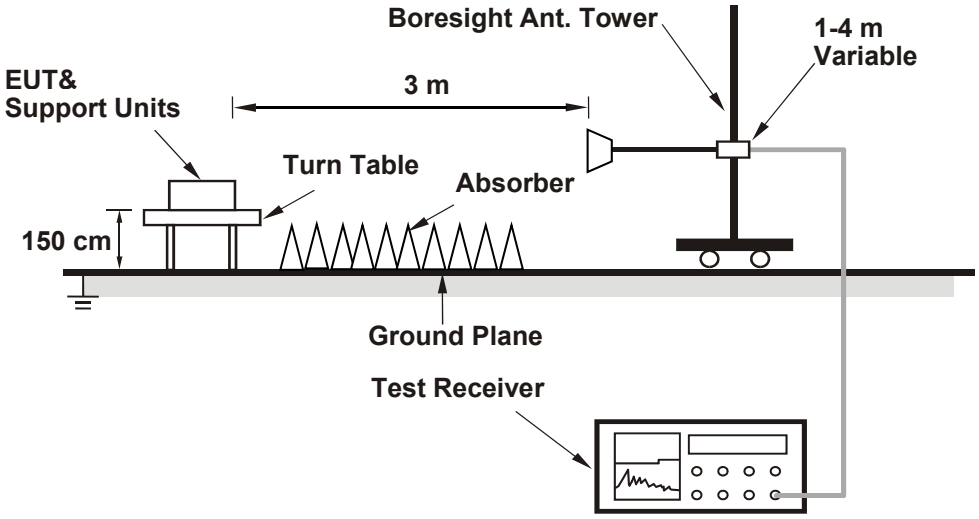
Conducted Measurement Method

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.

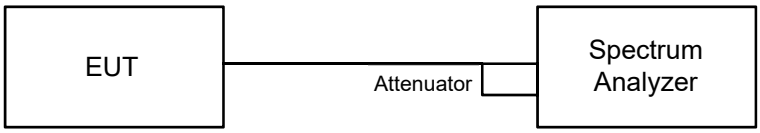
6.2 Maximum Power Spectral Density

6.2.1 Test Setup

Radiated Measurement Method



Conducted Measurement Method



6.2.2 Test Procedure

Radiated Measurement Method

a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP level.
e. Follow ANSI C63.10 section 12.7.3, EIRP Value (dBm) = Field Strength Value (dBuV/m) + Correction Factor @ 3 m.
f. Correction Factor (dB) @ 3 m = 20log(D) – 104.77; where D is the measurement distance @3 m = -95.23 dB

Spectrum analyzer setting as below:
Method SA-1

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

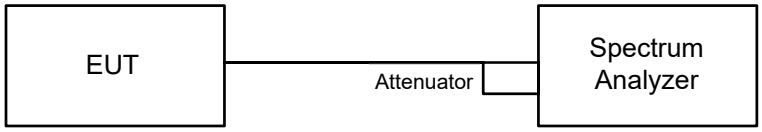
Conducted Measurement Method

For specified measurement bandwidth 1 MHz:
Method SA-1

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

6.3 Emission Bandwidth

6.3.1 Test Setup

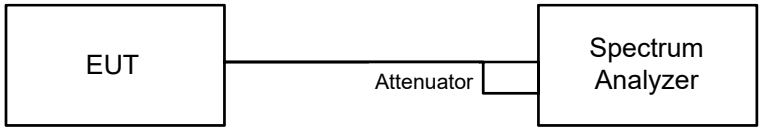


6.3.2 Test Procedure

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

6.4 In-Band Emission Mask

6.4.1 Test Setup

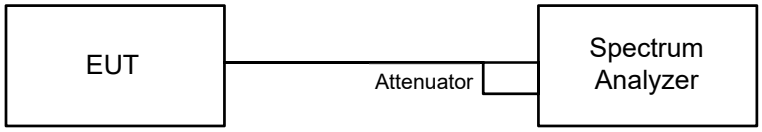


6.4.2 Test Procedure

a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
b. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
c. Measure the power spectral density (for emissions mask reference) using the following procedure:
a) Set the span to encompass the entire 26 dB EBW of the signal.
b) Set RBW = same RBW used for 26 dB EBW measurement.
c) Set VBW ≥ [3 X RBW].
d) Number of points in sweep ≥ [2 X span / RBW].
e) Sweep time = auto.
f) Detector = RMS (i.e., power averaging).
g) Trace average at least 100 traces in power averaging (rms) mode.
h) Use the peak search function on the instrument to find the peak of the spectrum.
d. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
b) Suppressed by 28 dB at one channel bandwidth from the channel center.
c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
e. Adjust the span to encompass the entire mask as necessary and clear trace.
f. Trace average at least 100 traces in power averaging (rms) mode.
g. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

6.5 Occupied Bandwidth

6.5.1 Test Setup

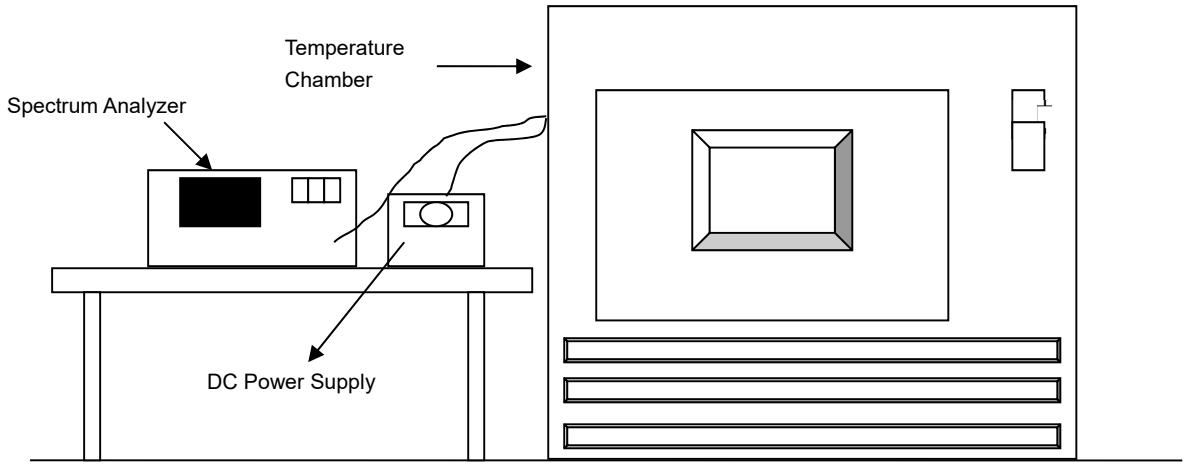


6.5.2 Test Procedure

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

6.6 Frequency Stability

6.6.1 Test Setup

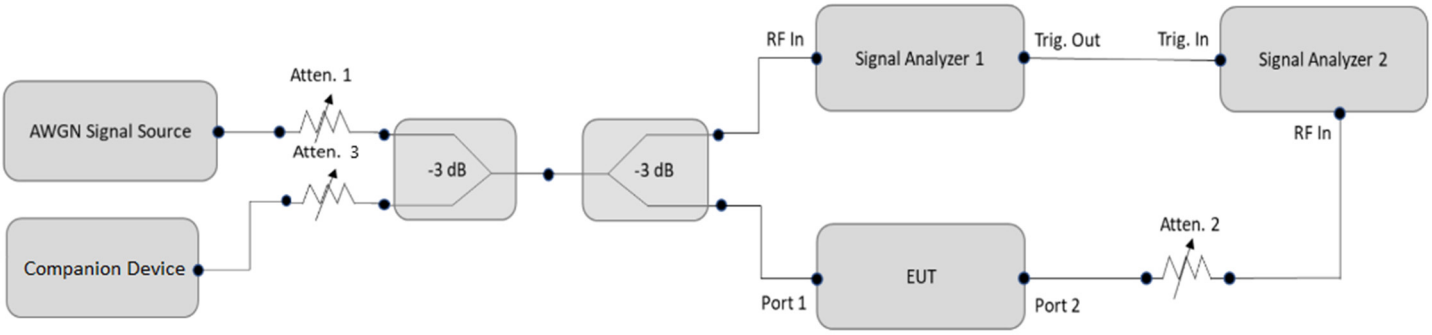


6.6.2 Test Procedure

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

6.7 Contention-based Protocol

6.7.1 Test Setup



6.7.2 Test Procedure

a. 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.

b. 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).

c. Determine number of times detection threshold test as following table,

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

d. 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.

e. 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.

f. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

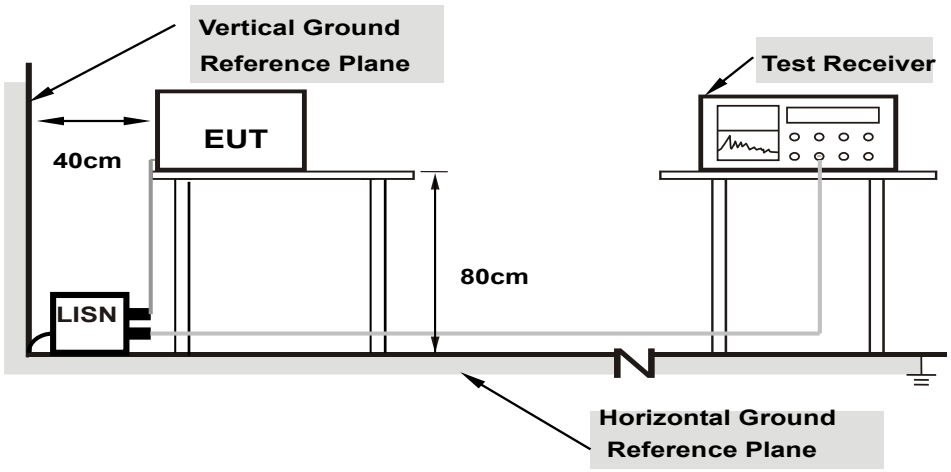
g. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.

h. (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.

i. 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.

6.8 AC Power Conducted Emissions

6.8.1 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).

6.8.2 Test Procedure

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

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

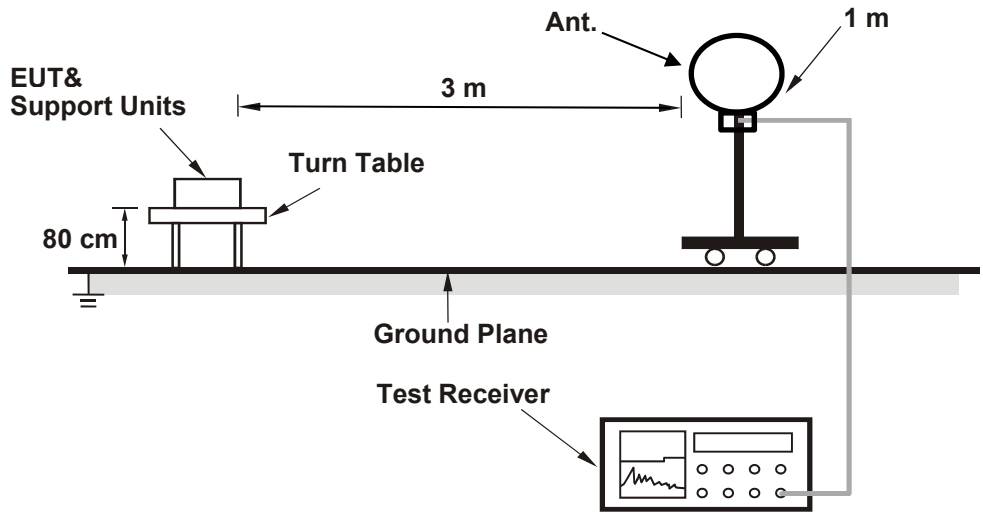
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

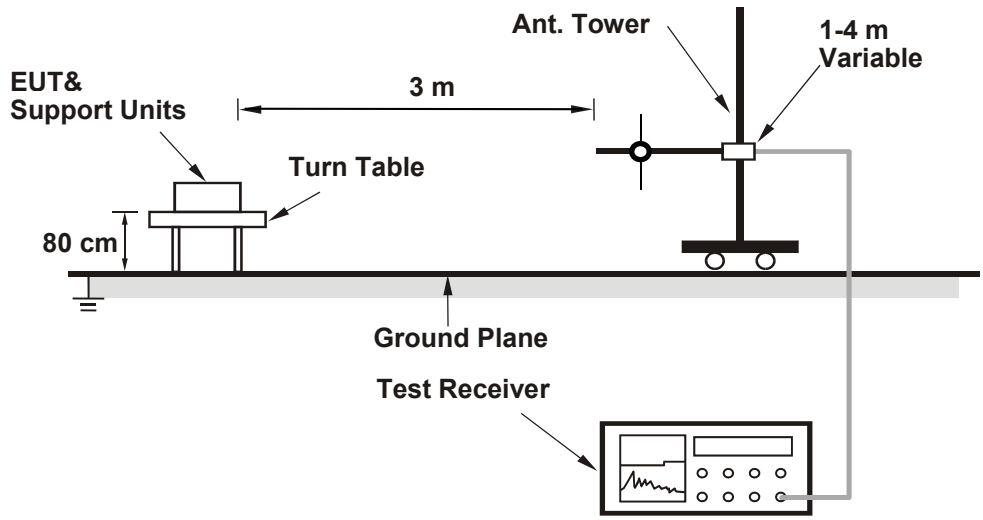
6.9 Unwanted Emissions below 1 GHz

6.9.1 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).

6.9.2 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.

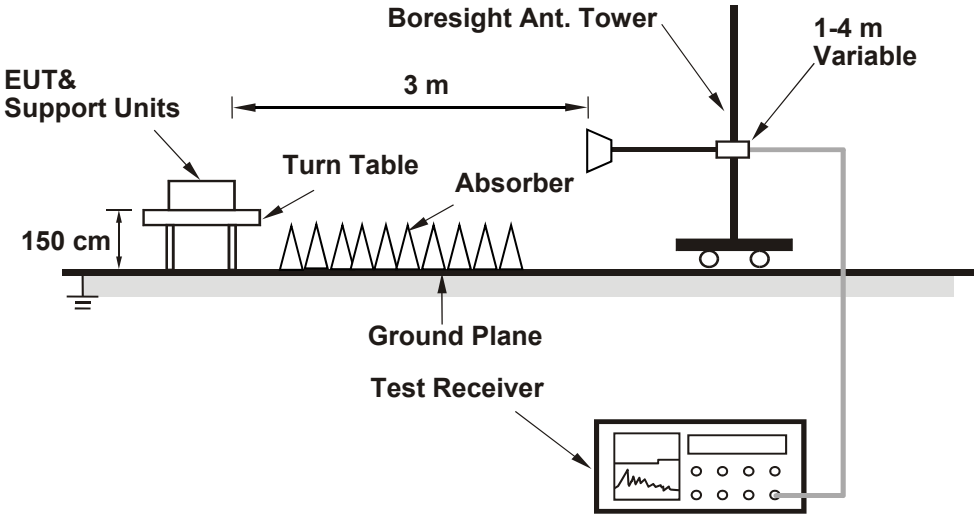
e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

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.

6.10 Unwanted Emissions above 1 GHz

6.10.1 Test Setup



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

6.10.2 Test Procedure

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

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

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

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

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

Notes:

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

7 Test Results of Test Item

7.1 Maximum RF Output Power

Input Power:	54 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Louis Yang

Radiated Measurement Method

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
1	5955	109.66	-95.23	27.733	14.43	30	Pass
45	6175	109.77	-95.23	28.445	14.54	30	Pass
93	6415	109.68	-95.23	27.861	14.45	30	Pass
97	6435	109.74	-95.23	28.249	14.51	30	Pass
105	6475	109.79	-95.23	28.576	14.56	30	Pass
113	6515	109.80	-95.23	28.642	14.57	30	Pass
117	6535	109.44	-95.23	26.363	14.21	30	Pass
149	6695	109.55	-95.23	27.04	14.32	30	Pass
181	6855	109.53	-95.23	26.915	14.30	30	Pass
185	6875	109.57	-95.23	27.164	14.34	30	Pass
209	6995	109.58	-95.23	27.227	14.35	30	Pass
229	7095	109.61	-95.23	27.416	14.38	30	Pass

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
3	5965	111.79	-95.23	45.29	16.56	30	Pass
43	6165	111.77	-95.23	45.082	16.54	30	Pass
91	6405	111.80	-95.23	45.394	16.57	30	Pass
99	6445	111.44	-95.23	41.783	16.21	30	Pass
107	6485	111.47	-95.23	42.073	16.24	30	Pass
115	6525	111.58	-95.23	43.152	16.35	30	Pass
123	6565	111.41	-95.23	41.495	16.18	30	Pass
155	6725	111.35	-95.23	40.926	16.12	30	Pass
179	6845	111.51	-95.23	42.462	16.28	30	Pass
187	6885	111.47	-95.23	42.073	16.24	30	Pass
211	7005	111.45	-95.23	41.879	16.22	30	Pass
227	7085	111.51	-95.23	42.462	16.28	30	Pass

802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
7	5985	114.44	-95.23	83.368	19.21	30	Pass
39	6145	114.49	-95.23	84.333	19.26	30	Pass
87	6385	114.50	-95.23	84.528	19.27	30	Pass
103	6465	114.20	-95.23	78.886	18.97	30	Pass
119	6545	114.17	-95.23	78.343	18.94	30	Pass
151	6705	114.21	-95.23	79.068	18.98	30	Pass
183	6865	114.11	-95.23	77.268	18.88	30	Pass
199	6945	114.18	-95.23	78.524	18.95	30	Pass
215	7025	114.14	-95.23	77.804	18.91	30	Pass

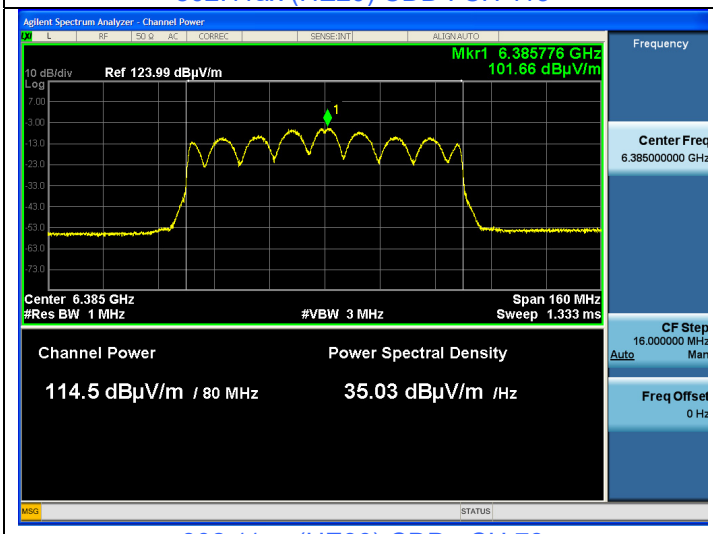
802.11ax (HE160) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
15	6025	116.54	-95.23	135.207	21.31	30	Pass
47	6185	116.55	-95.23	135.519	21.32	30	Pass
79	6345	116.64	-95.23	138.357	21.41	30	Pass
111	6505	116.48	-95.23	133.352	21.25	30	Pass
143	6665	116.60	-95.23	137.088	21.37	30	Pass
175	6825	116.70	-95.23	140.281	21.47	30	Pass
207	6985	116.62	-95.23	137.721	21.39	30	Pass

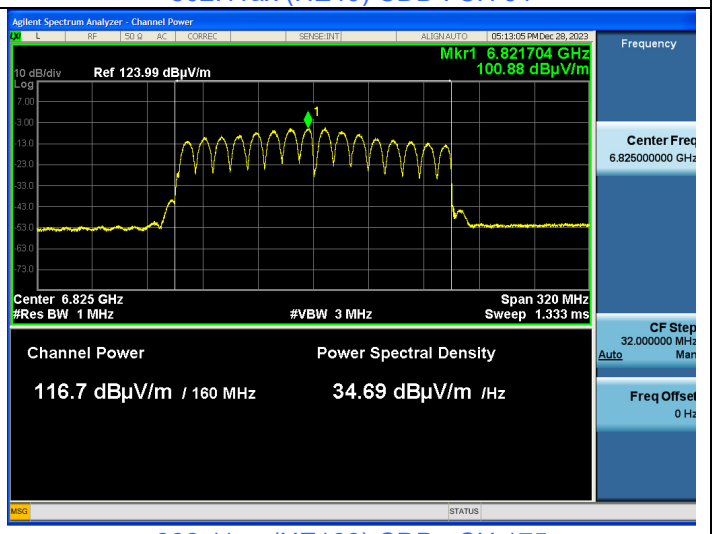
Spectrum Plot of Maximum Value

802.11ax (HE20) CDD : CH 113

802.11ax (HE40) CDD : CH 91



802.11ax (HE80) CDD : CH 78



802.11ax (HE160) CDD : CH 175

Conducted Measurement Method

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
1	5955	5.55	5.46	7.105	8.52	8.52	50.532	17.04	30	Pass
45	6175	5.03	5.18	6.48	8.12	8.52	46.087	16.64	30	Pass
93	6415	5.04	4.46	5.984	7.77	8.52	42.559	16.29	30	Pass
97	6435	5.69	5.43	7.198	8.57	8.09	46.367	16.66	30	Pass
105	6475	5.44	4.99	6.654	8.23	8.09	42.863	16.32	30	Pass
113	6515	5.57	4.82	6.64	8.22	8.09	42.773	16.31	30	Pass
117	6535	4.72	4.59	5.842	7.67	8.62	42.517	16.29	30	Pass
149	6695	5.13	5.49	6.798	8.32	8.62	49.474	16.94	30	Pass
181	6855	5.63	5.29	7.037	8.47	8.62	51.214	17.09	30	Pass
185	6875	5.02	4.88	6.253	7.96	8.91	48.651	16.87	30	Pass
209	6995	5.17	4.82	6.322	8.01	8.91	49.187	16.92	30	Pass
229	7095	5.23	5.24	6.676	8.25	8.91	51.942	17.16	30	Pass

Notes:

1. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
2. For U-NII-5, the directional gain is 8.52 dBi.
3. For U-NII-6, the directional gain is 8.09 dBi.
4. For U-NII-7, the directional gain is 8.62 dBi.
5. For U-NII-8, the directional gain is 8.91 dBi.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
3	5965	8.74	8.87	15.191	11.82	8.52	108.04	20.34	30	Pass
43	6165	8.12	7.95	12.724	11.05	8.52	90.495	19.57	30	Pass
91	6405	8.12	7.66	12.321	10.91	8.52	87.629	19.43	30	Pass
99	6445	8.34	7.81	12.863	11.09	8.09	82.859	19.18	30	Pass
107	6485	8.35	7.96	13.091	11.17	8.09	84.328	19.26	30	Pass
115	6525	7.79	7.49	11.622	10.65	8.62	84.583	19.27	30	Pass
123	6565	7.57	7.51	11.351	10.55	8.62	82.61	19.17	30	Pass
155	6725	8.22	7.74	12.58	11.00	8.62	91.555	19.62	30	Pass
179	6845	8.17	7.79	12.573	10.99	8.62	91.504	19.61	30	Pass
187	6885	7.81	7.61	11.807	10.72	8.91	91.863	19.63	30	Pass
211	7005	8.05	7.86	12.492	10.97	8.91	97.192	19.88	30	Pass
227	7085	7.84	7.76	12.052	10.81	8.91	93.769	19.72	30	Pass

Notes:

1. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
2. For U-NII-5, the directional gain is 8.52 dBi.
3. For U-NII-6, the directional gain is 8.09 dBi.
4. For U-NII-7, the directional gain is 8.62 dBi.
5. For U-NII-8, the directional gain is 8.91 dBi.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
7	5985	11.01	10.63	24.179	13.83	8.52	171.964	22.35	30	Pass
39	6145	10.53	10.34	22.112	13.45	8.52	157.264	21.97	30	Pass
87	6385	10.37	10.00	20.889	13.20	8.52	148.565	21.72	30	Pass
103	6465	10.58	10.06	21.568	13.34	8.09	138.934	21.43	30	Pass
119	6545	10.23	9.78	20.05	13.02	8.62	145.92	21.64	30	Pass
151	6705	10.65	10.18	22.038	13.43	8.62	160.388	22.05	30	Pass
183	6865	9.78	9.64	18.711	12.72	8.91	145.578	21.63	30	Pass
199	6945	10.68	9.97	21.626	13.35	8.91	168.258	22.26	30	Pass
215	7025	10.53	10.23	21.842	13.39	8.91	169.939	22.3	30	Pass

Notes:

1. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
2. For U-NII-5, the directional gain is 8.52 dBi.
3. For U-NII-6, the directional gain is 8.09 dBi.
4. For U-NII-7, the directional gain is 8.62 dBi.
5. For U-NII-8, the directional gain is 8.91 dBi.

802.11ax (HE160) Beamforming

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Directional Gain (dBi)	EIRP (mW)	EIRP (dBm)	EIRP Limit (dBm)	Test Result
		Chain 0	Chain 1							
15	6025	13.45	13.15	42.785	16.31	8.52	304.293	24.83	30	Pass
47	6185	13.48	13.24	43.371	16.37	8.52	308.46	24.89	30	Pass
79	6345	13.19	13.09	41.215	16.15	8.52	293.127	24.67	30	Pass
111	6505	13.22	12.36	38.208	15.82	8.62	278.07	24.44	30	Pass
143	6665	13.28	12.94	40.96	16.12	8.62	298.099	24.74	30	Pass
175	6825	12.73	12.52	36.615	15.64	8.91	284.878	24.55	30	Pass
207	6985	13.29	13.11	41.795	16.21	8.91	325.18	25.12	30	Pass

Notes:

1. Directional gain = 10 log[($10^{Chain0/20}$ + $10^{Chain1/20}$)^2 / 2]
2. For U-NII-5, the directional gain is 8.52 dBi.
3. For U-NII-6, the directional gain is 8.09 dBi.
4. For U-NII-7, the directional gain is 8.62 dBi.
5. For U-NII-8, the directional gain is 8.91 dBi.

Note: Radiated test setup was selected for demonstrating compliance to the radiated limits. Due to limitations in provided EUT test software for radiated setup, beamforming mode was tested conservatively using a conducted method (EIRP = conducted power / PSD + antenna gain) to capture the worst-case.

7.2 Maximum Power Spectral Density

Input Power:	54 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Louis Yang

Radiated Measurement Method

802.11ax (HE20) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
1	5955	100.14	-95.23	4.91	5	Pass
45	6175	100.15	-95.23	4.92	5	Pass
93	6415	100.18	-95.23	4.95	5	Pass
97	6435	100.19	-95.23	4.96	5	Pass
105	6475	100.19	-95.23	4.96	5	Pass
113	6515	100.20	-95.23	4.97	5	Pass
117	6535	100.20	-95.23	4.97	5	Pass
149	6695	100.19	-95.23	4.96	5	Pass
181	6855	100.18	-95.23	4.95	5	Pass
185	6875	100.21	-95.23	4.98	5	Pass
209	6995	100.16	-95.23	4.93	5	Pass
229	7095	100.19	-95.23	4.96	5	Pass

802.11ax (HE40) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
3	5965	100.21	-95.23	4.98	5	Pass
43	6165	100.22	-95.23	4.99	5	Pass
91	6405	100.19	-95.23	4.96	5	Pass
99	6445	100.12	-95.23	4.89	5	Pass
107	6485	100.18	-95.23	4.95	5	Pass
115	6525	100.17	-95.23	4.94	5	Pass
123	6565	100.15	-95.23	4.92	5	Pass
155	6725	100.15	-95.23	4.92	5	Pass
179	6845	100.15	-95.23	4.92	5	Pass
187	6885	100.11	-95.23	4.88	5	Pass
211	7005	100.15	-95.23	4.92	5	Pass
227	7085	100.07	-95.23	4.84	5	Pass

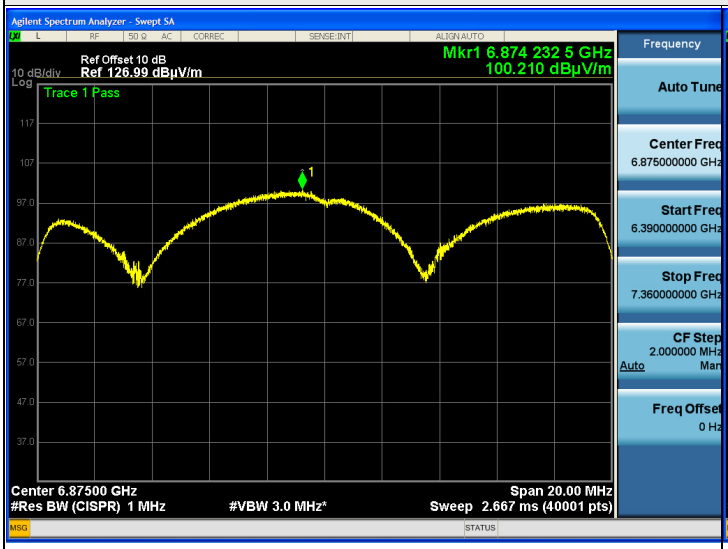
802.11ax (HE80) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
7	5985	100.10	-95.23	4.87	5	Pass
39	6145	100.17	-95.23	4.94	5	Pass
87	6385	100.13	-95.23	4.90	5	Pass
103	6465	100.20	-95.23	4.97	5	Pass
119	6545	100.14	-95.23	4.91	5	Pass
151	6705	100.21	-95.23	4.98	5	Pass
183	6865	100.15	-95.23	4.92	5	Pass
199	6945	100.20	-95.23	4.97	5	Pass
215	7025	100.10	-95.23	4.87	5	Pass

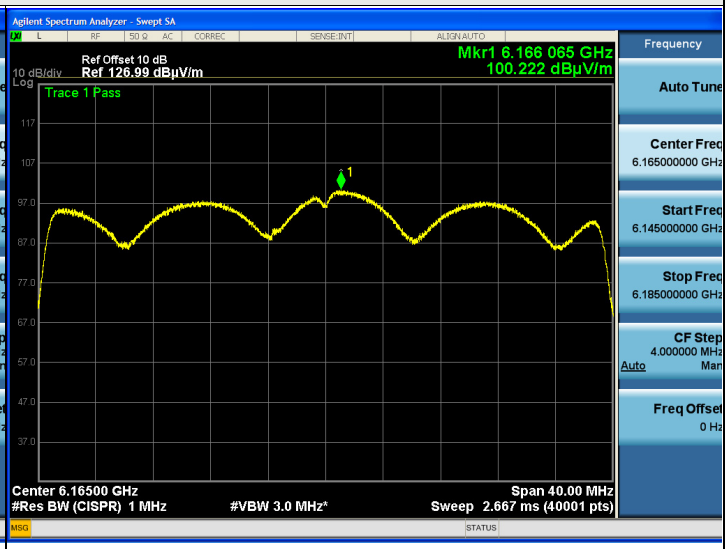
802.11ax (HE160) CDD

Chan.	Chan. Freq. (MHz)	Field Strength (dBuV/m)	Correction Factor (dB)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
15	6025	100.15	-95.23	4.92	5	Pass
47	6185	100.22	-95.23	4.99	5	Pass
79	6345	100.10	-95.23	4.87	5	Pass
111	6505	100.22	-95.23	4.99	5	Pass
143	6665	100.13	-95.23	4.90	5	Pass
175	6825	100.16	-95.23	4.93	5	Pass
207	6985	100.17	-95.23	4.94	5	Pass

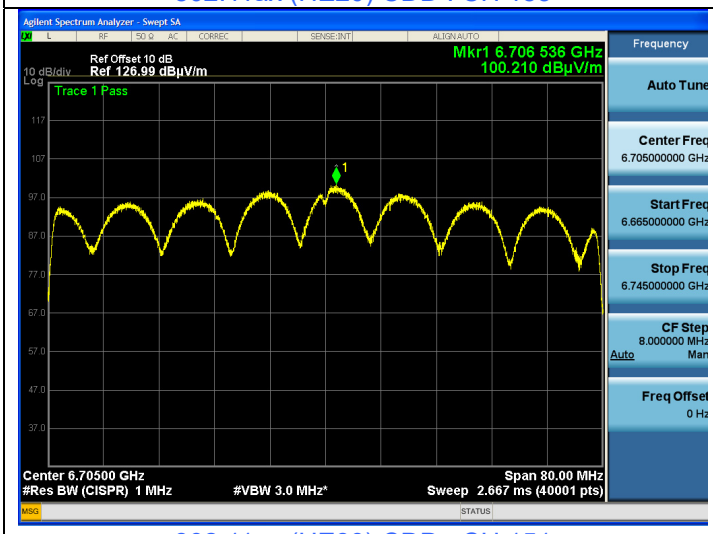
Spectrum Plot of Maximum Value



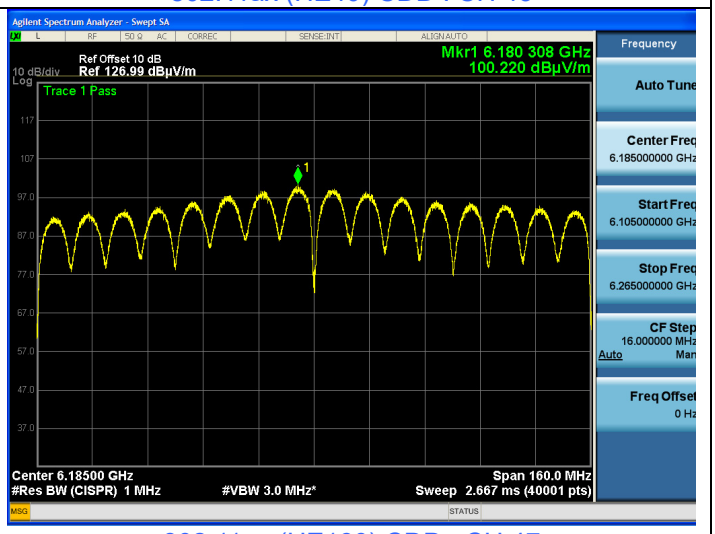
802.11ax (HE20) CDD : CH 185



802.11ax (HE40) CDD : CH 43



802.11ax (HE80) CDD : CH 151



802.11ax (HE160) CDD : CH 47

Conducted Measurement Method

802.11ax (HE20) Beamforming

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
1	5955	-6.84	-6.88	-3.85	8.52	4.67	5	Pass
45	6175	-7.00	-7.01	-3.99	8.52	4.53	5	Pass
93	6415	-6.76	-7.20	-3.96	8.52	4.56	5	Pass
97	6435	-6.05	-6.34	-3.18	8.09	4.91	5	Pass
105	6475	-6.38	-6.56	-3.46	8.09	4.63	5	Pass
113	6515	-6.35	-6.62	-3.47	8.09	4.62	5	Pass
117	6535	-6.99	-7.15	-4.06	8.62	4.56	5	Pass
149	6695	-6.87	-6.46	-3.65	8.62	4.97	5	Pass
181	6855	-6.60	-6.72	-3.65	8.62	4.97	5	Pass
185	6875	-6.93	-7.09	-4.00	8.91	4.91	5	Pass
209	6995	-6.95	-7.61	-4.26	8.91	4.65	5	Pass
229	7095	-7.02	-7.15	-4.07	8.91	4.84	5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-5, The directional gain is 8.52 dBi.
4. For U-NII-6, The directional gain is 8.09 dBi.
5. For U-NII-7, The directional gain is 8.62 dBi.
6. For U-NII-8, The directional gain is 8.91 dBi.

802.11ax (HE40) Beamforming

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
3	5965	-6.62	-6.65	-3.62	8.52	4.9	5	Pass
43	6165	-6.98	-7.06	-4.01	8.52	4.51	5	Pass
91	6405	-6.65	-6.71	-3.67	8.52	4.85	5	Pass
99	6445	-6.38	-6.72	-3.54	8.09	4.55	5	Pass
107	6485	-6.19	-6.45	-3.31	8.09	4.78	5	Pass
115	6525	-6.59	-7.03	-3.79	8.62	4.83	5	Pass
123	6565	-7.09	-7.03	-4.05	8.62	4.57	5	Pass
155	6725	-6.52	-6.87	-3.68	8.62	4.94	5	Pass
179	6845	-6.80	-7.03	-3.90	8.62	4.72	5	Pass
187	6885	-6.95	-7.20	-4.06	8.91	4.85	5	Pass
211	7005	-6.89	-7.29	-4.08	8.91	4.83	5	Pass
227	7085	-7.29	-7.44	-4.35	8.91	4.56	5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $10 \log[(10^{Chain0/20} + 10^{Chain1/20})^2 / 2]$
3. For U-NII-5, The directional gain is 8.52 dBi.
4. For U-NII-6, The directional gain is 8.09 dBi.
5. For U-NII-7, The directional gain is 8.62 dBi.
6. For U-NII-8, The directional gain is 8.91 dBi.

802.11ax (HE80) Beamforming

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
7	5985	-6.68	-7.05	-3.85	8.52	4.67	5	Pass
39	6145	-6.76	-7.10	-3.92	8.52	4.6	5	Pass
87	6385	-6.65	-7.02	-3.82	8.52	4.7	5	Pass
103	6465	-6.36	-6.64	-3.49	8.09	4.6	5	Pass
119	6545	-6.87	-7.14	-3.99	8.62	4.63	5	Pass
151	6705	-6.53	-6.96	-3.73	8.62	4.89	5	Pass
183	6865	-7.09	-6.99	-4.03	8.91	4.88	5	Pass
199	6945	-6.69	-7.35	-4.00	8.91	4.91	5	Pass
215	7025	-6.85	-7.40	-4.11	8.91	4.8	5	Pass

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-5, The directional gain is 8.52 dBi.
4. For U-NII-6, The directional gain is 8.09 dBi.
5. For U-NII-7, The directional gain is 8.62 dBi.
6. For U-NII-8, The directional gain is 8.91 dBi.

802.11ax (HE160) Beamforming

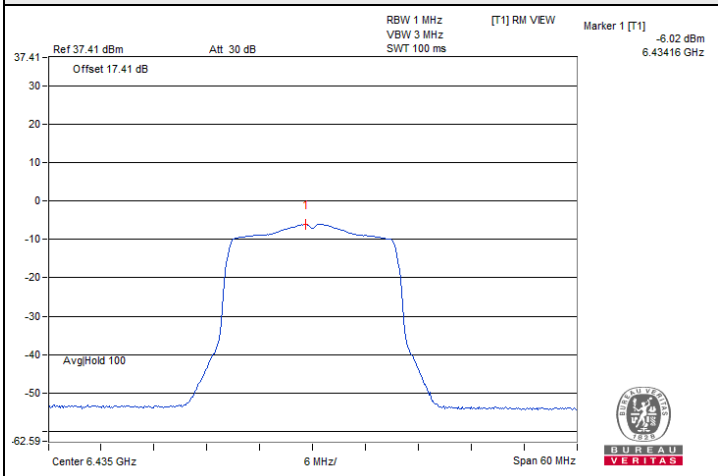
Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Directional Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Test Result
		Chain 0	Chain 1					
15	6025	-6.79	-7.07	-3.92	8.52	4.6	5	Pass
47	6185	-6.59	-6.74	-3.65	8.52	4.87	5	Pass
79	6345	-6.56	-6.63	-3.58	8.52	4.94	5	Pass
111	6505	-6.45	-7.06	-3.73	8.62	4.89	5	Pass
143	6665	-6.56	-6.94	-3.74	8.62	4.88	5	Pass
175	6825	-6.96	-7.00	-3.97	8.91	4.94	5	Pass
207	6985	-6.91	-7.20	-4.04	8.91	4.87	5	Pass

Notes:

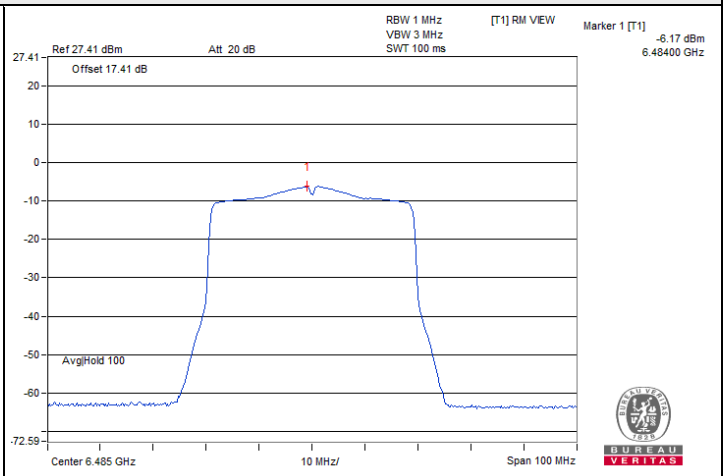
1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 10 log[$(10^{Chain0/20} + 10^{Chain1/20})^2$ / 2]
3. For U-NII-5, The directional gain is 8.52 dBi.
4. For U-NII-6, The directional gain is 8.09 dBi.
5. For U-NII-7, The directional gain is 8.62 dBi.
6. For U-NII-8, The directional gain is 8.91 dBi.

Note: Radiated test setup was selected for demonstrating compliance to the radiated limits. Due to limitations in provided EUT test software for radiated setup, beamforming mode was tested conservatively using a conducted method (EIRP = conducted power / PSD + antenna gain) to capture the worst-case.

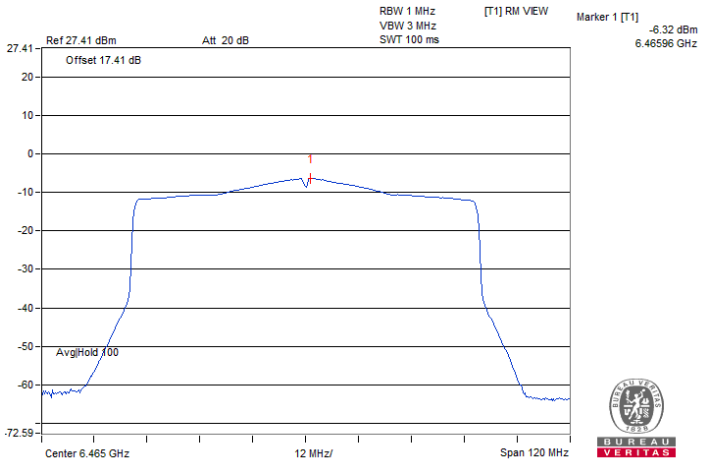
Spectrum Plot of Maximum Value



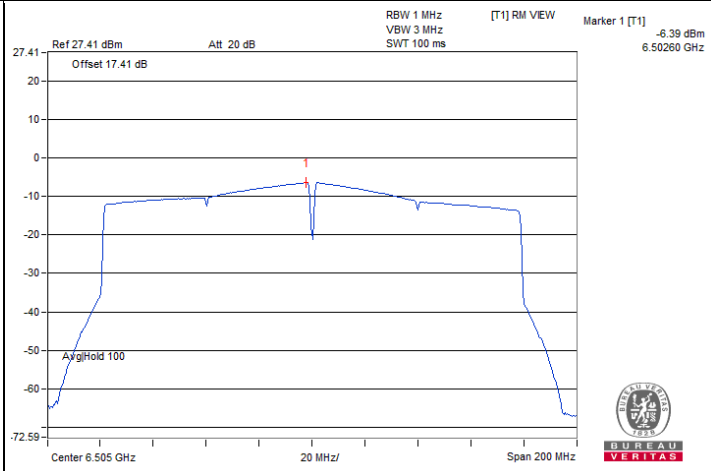
802.11ax (HE20) Beamforming / Chain 0 : CH 97



802.11ax (HE40) Beamforming / Chain 0 : CH 107



802.11ax (HE80) Beamforming / Chain 0 : CH 103



802.11ax (HE160) Beamforming / Chain 0 : CH 111

7.3 Emission Bandwidth

Input Power:	54 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Louis Yang

802.11ax (HE20)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	20.54	20.50	320	Pass
45	6175	20.69	20.71	320	Pass
93	6415	20.68	20.61	320	Pass
97	6435	20.75	20.64	320	Pass
105	6475	20.62	20.61	320	Pass
113	6515	20.68	20.59	320	Pass
117	6535	20.77	20.38	320	Pass
149	6695	20.68	21.02	320	Pass
181	6855	20.69	20.89	320	Pass
185	6875	20.81	20.87	320	Pass
209	6995	20.54	20.58	320	Pass
229	7095	20.67	20.75	320	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	39.68	40.00	320	Pass
43	6165	40.13	40.03	320	Pass
91	6405	40.49	39.85	320	Pass
99	6445	40.01	40.21	320	Pass
107	6485	39.98	40.15	320	Pass
115	6525	40.26	40.00	320	Pass
123	6565	40.00	39.93	320	Pass
155	6725	40.01	39.97	320	Pass
179	6845	40.32	40.27	320	Pass
187	6885	40.10	40.39	320	Pass
211	7005	40.28	39.82	320	Pass
227	7085	40.14	40.04	320	Pass

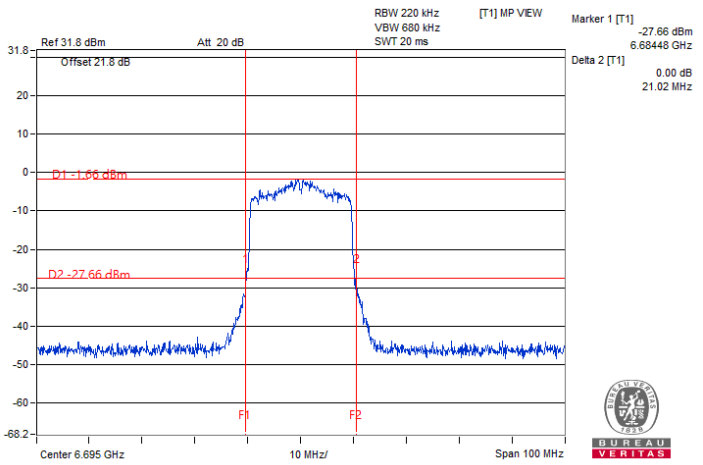
802.11ax (HE80)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	81.50	80.80	320	Pass
39	6145	81.13	80.93	320	Pass
87	6385	81.18	80.94	320	Pass
103	6465	80.98	81.73	320	Pass
119	6545	80.71	81.05	320	Pass
151	6705	81.17	81.58	320	Pass
183	6865	80.98	80.79	320	Pass
199	6945	80.99	80.82	320	Pass
215	7025	80.90	80.57	320	Pass

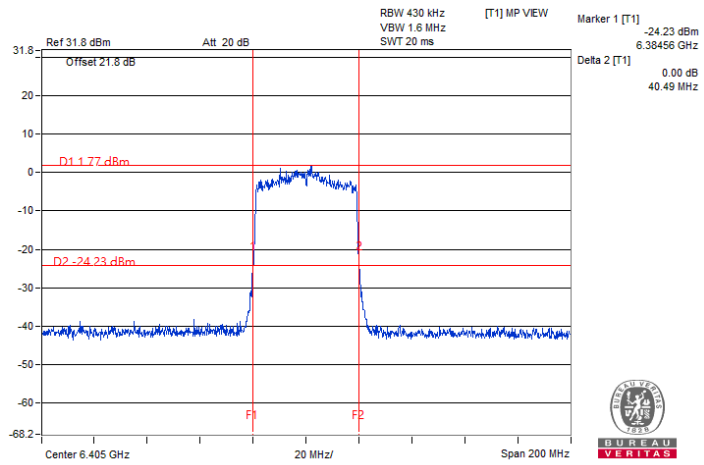
802.11ax (HE160)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	163.46	163.70	320	Pass
47	6185	164.29	163.16	320	Pass
79	6345	163.89	164.72	320	Pass
111	6505	163.83	163.35	320	Pass
143	6665	163.43	164.20	320	Pass
175	6825	164.13	164.10	320	Pass
207	6985	164.08	163.02	320	Pass

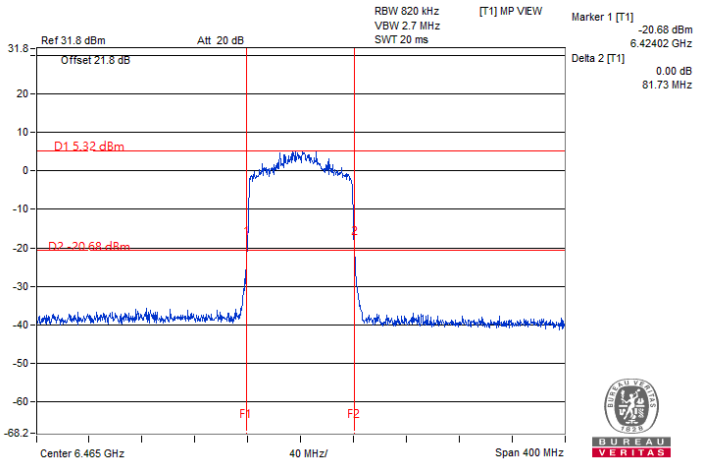
Spectrum Plot of Maximum Value



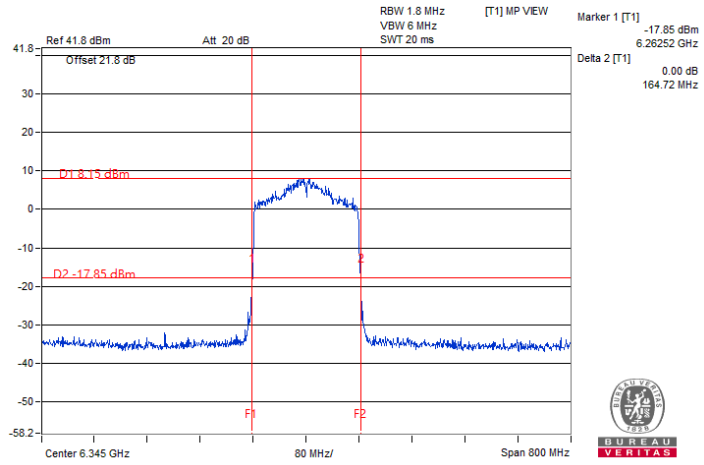
802.11ax (HE20) / Chain 1 : CH 149



802.11ax (HE40) / Chain 0 : CH 91



802.11ax (HE80) / Chain 1 : CH 103

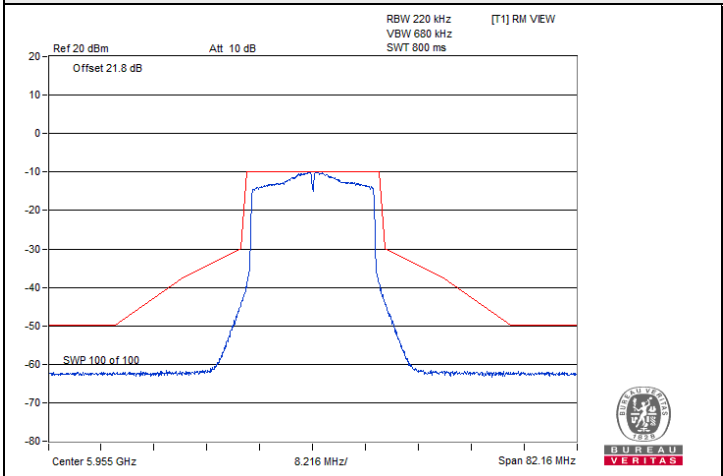
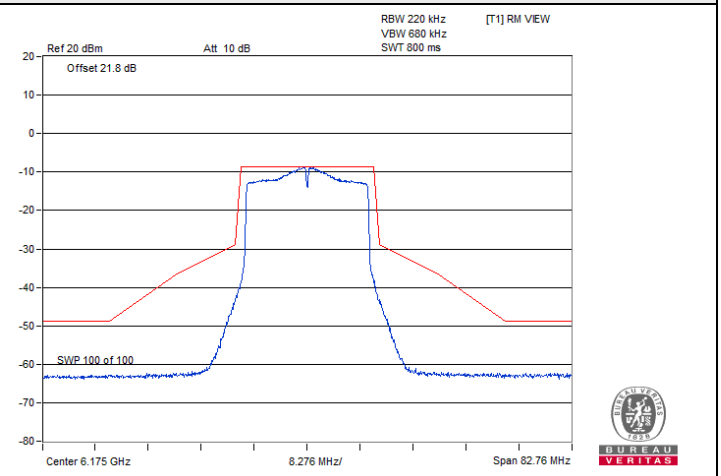
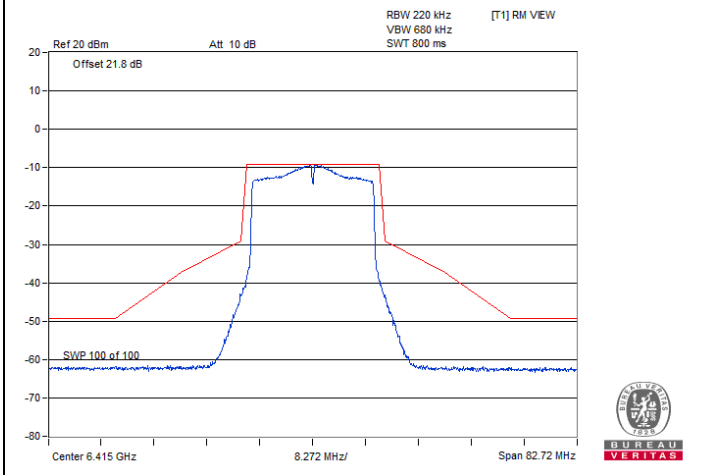
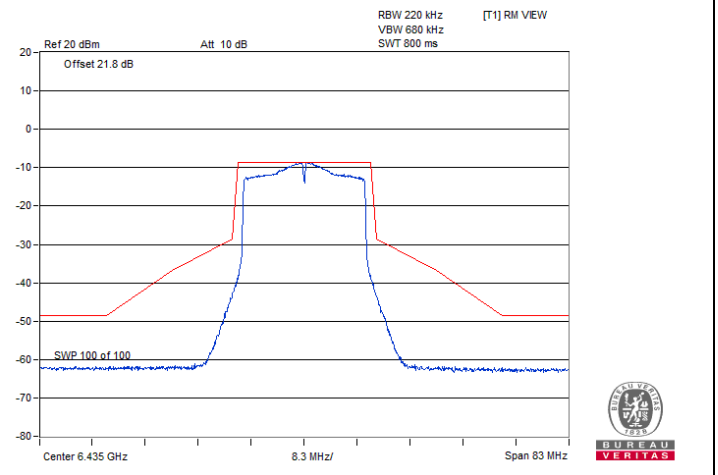
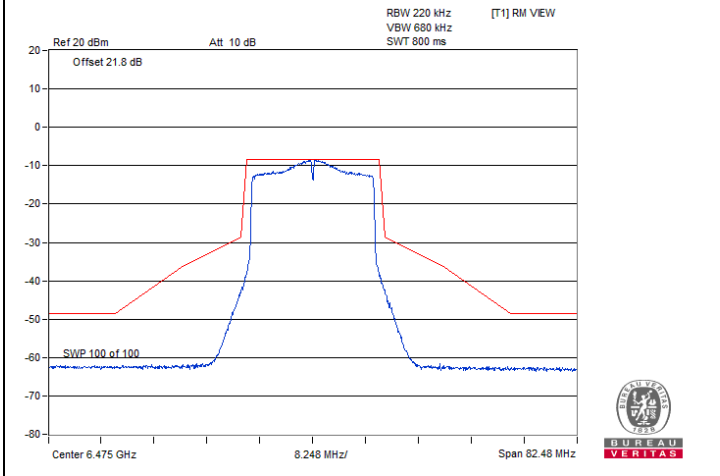
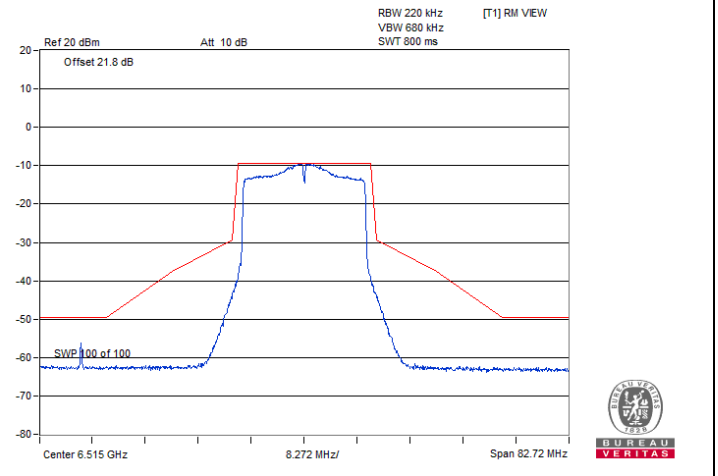


802.11ax (HE160) / Chain 1 : CH 79

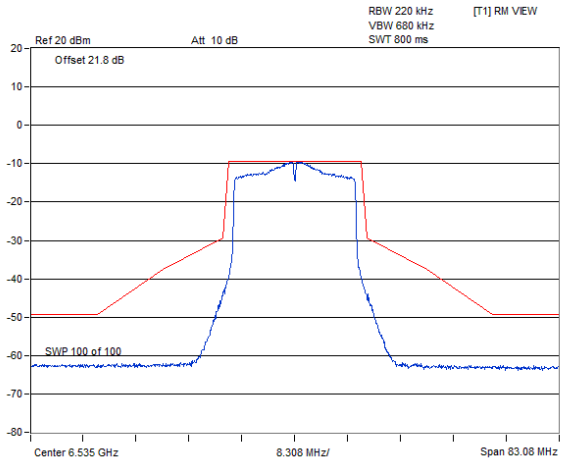
7.4 In-Band Emission Mask

Input Power:	54 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Louis Yang

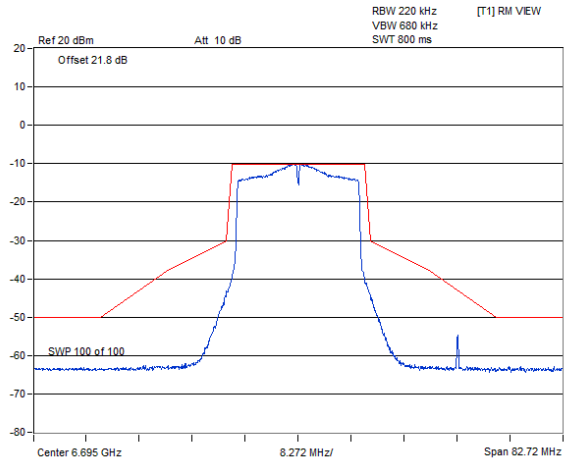
802.11ax (HE20)

Spectrum Plot	
	
802.11ax (HE20) / Chain 0 : CH 1	802.11ax (HE20) / Chain 0 : CH 45
	
802.11ax (HE20) / Chain 0 : CH 93	802.11ax (HE20) / Chain 0 : CH 97
	
802.11ax (HE20) / Chain 0 : CH 105	802.11ax (HE20) / Chain 0 : CH 113

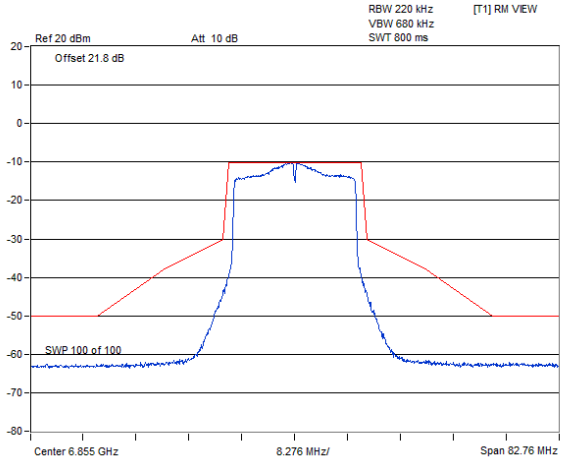
Spectrum Plot



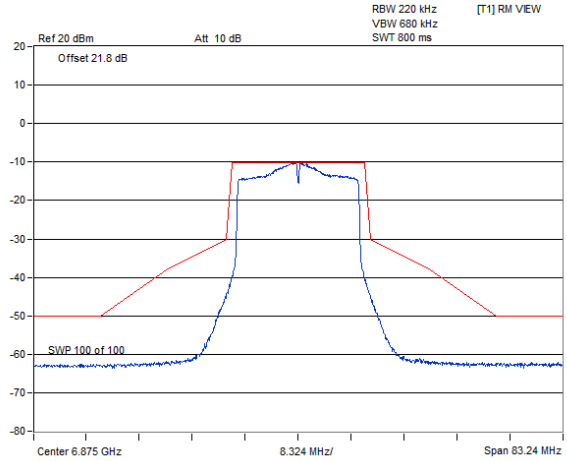
802.11ax (HE20) / Chain 0 : CH 117



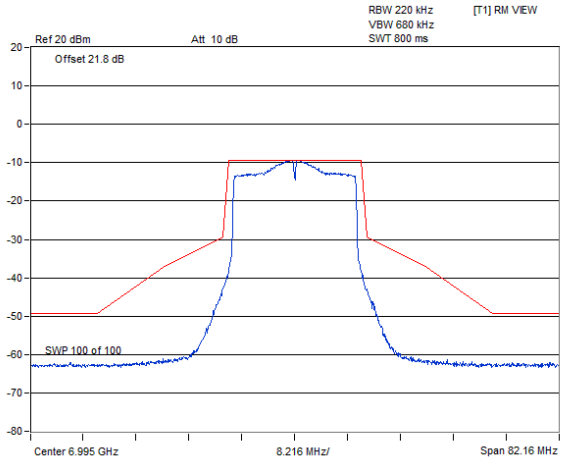
802.11ax (HE20) / Chain 0 : CH 149



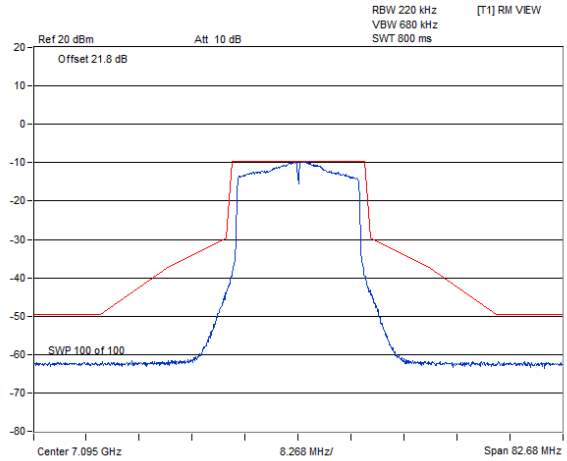
802.11ax (HE20) / Chain 0 : CH 181



802.11ax (HE20) / Chain 0 : CH 185

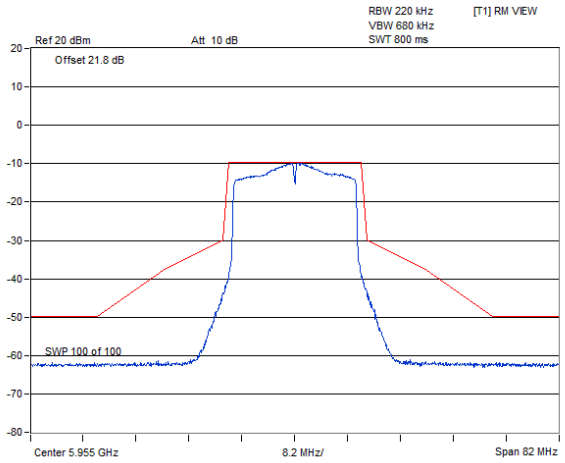


802.11ax (HE20) / Chain 0 : CH 209

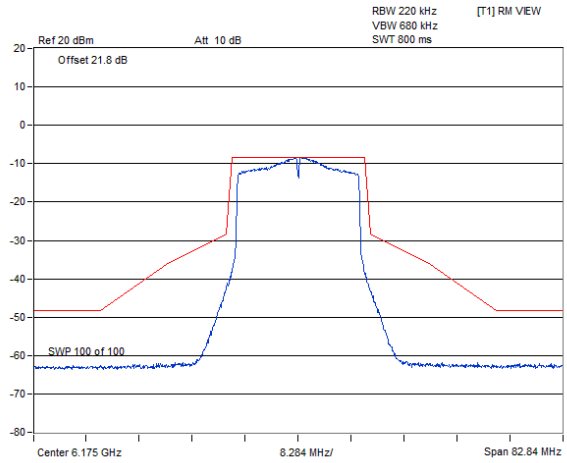


802.11ax (HE20) / Chain 0 : CH 229

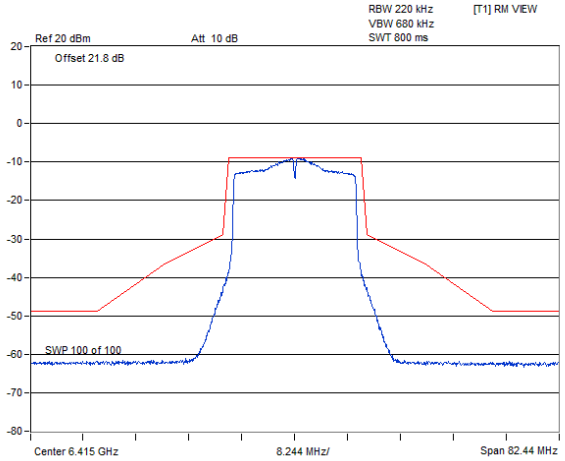
Spectrum Plot



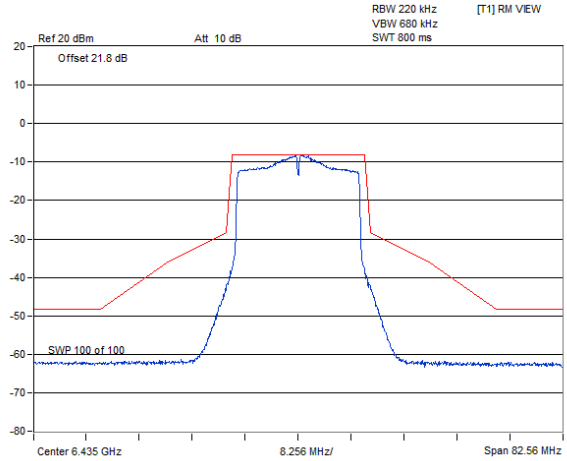
802.11ax (HE20) / Chain 1 : CH 1



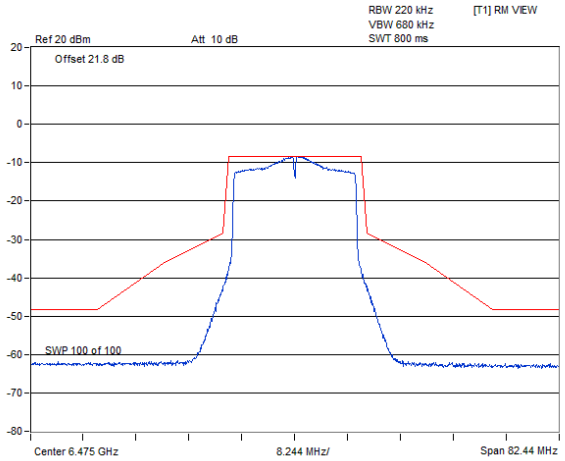
802.11ax (HE20) / Chain 1 : CH 45



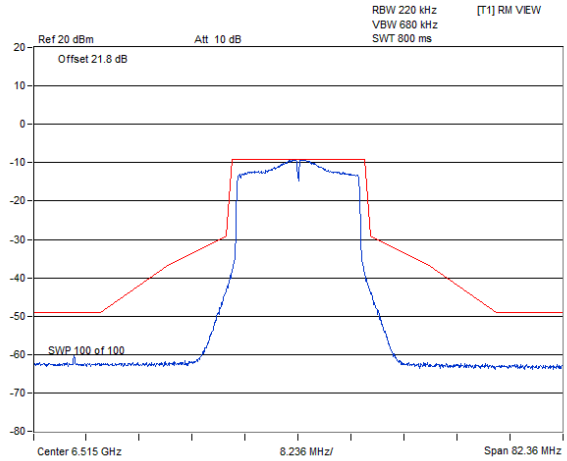
802.11ax (HE20) / Chain 1 : CH 93



802.11ax (HE20) / Chain 1 : CH 97

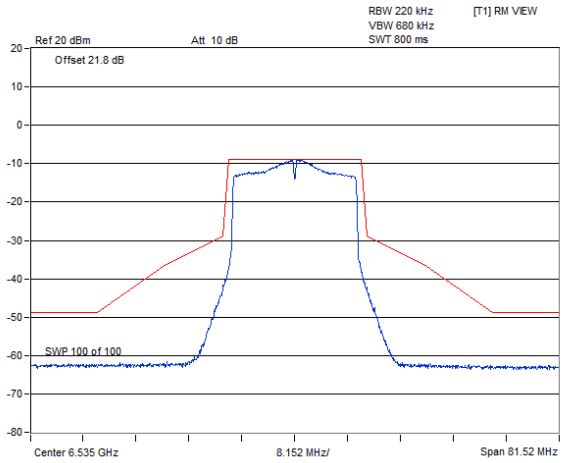


802.11ax (HE20) / Chain 1 : CH 105

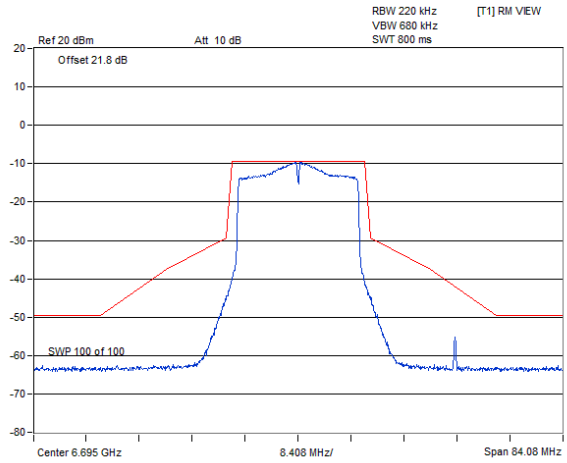


802.11ax (HE20) / Chain 1 : CH 113

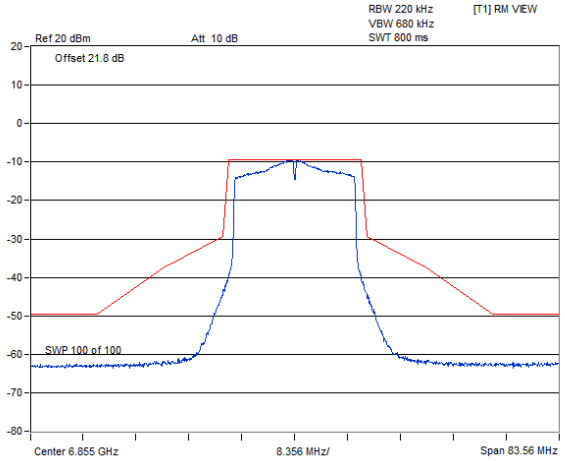
Spectrum Plot



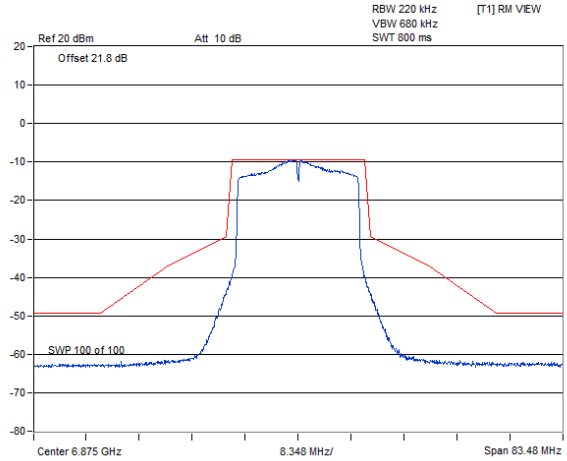
802.11ax (HE20) / Chain 1 : CH 117



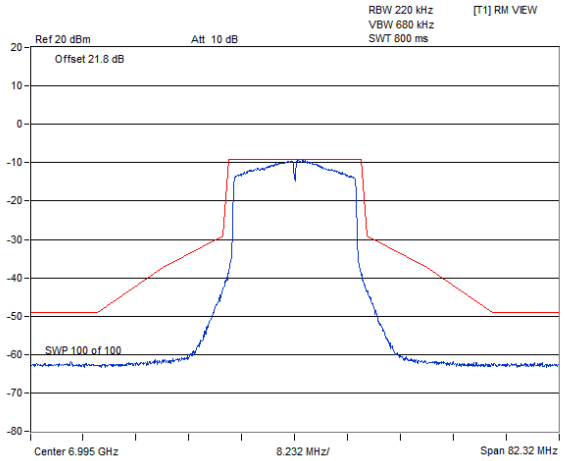
802.11ax (HE20) / Chain 1 : CH 149



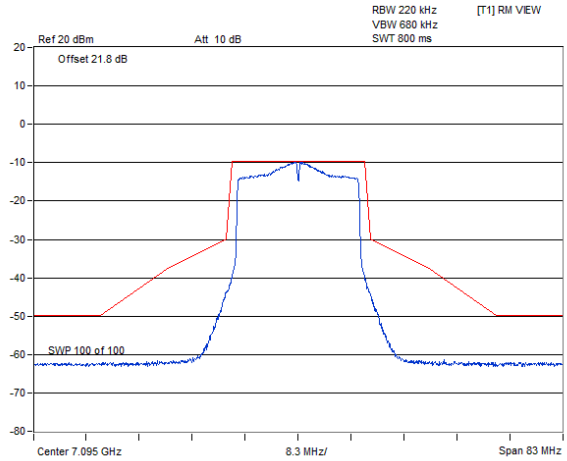
802.11ax (HE20) / Chain 1 : CH 181



802.11ax (HE20) / Chain 1 : CH 185

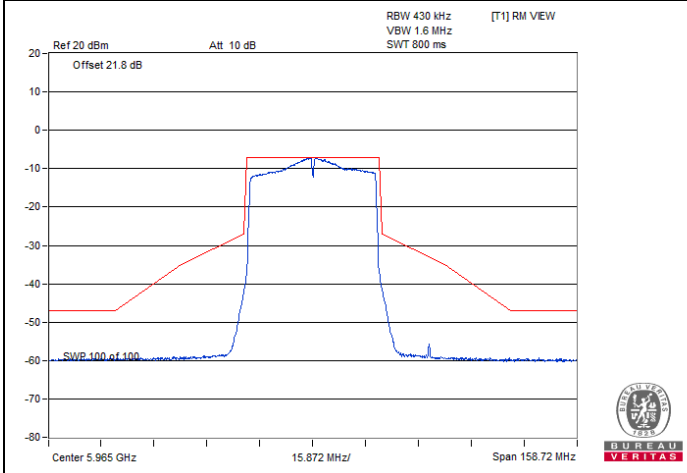
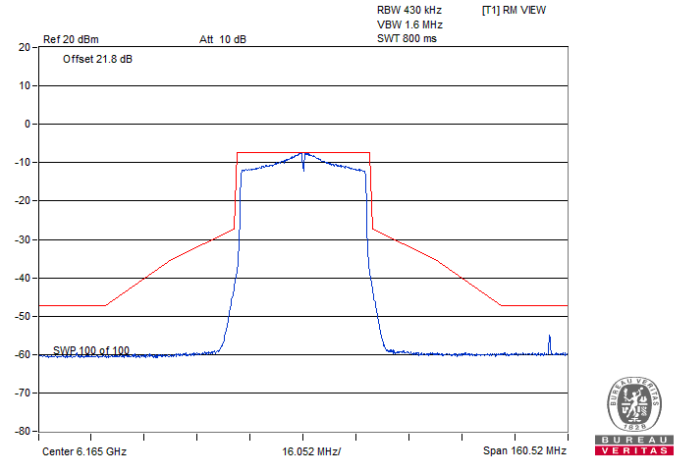
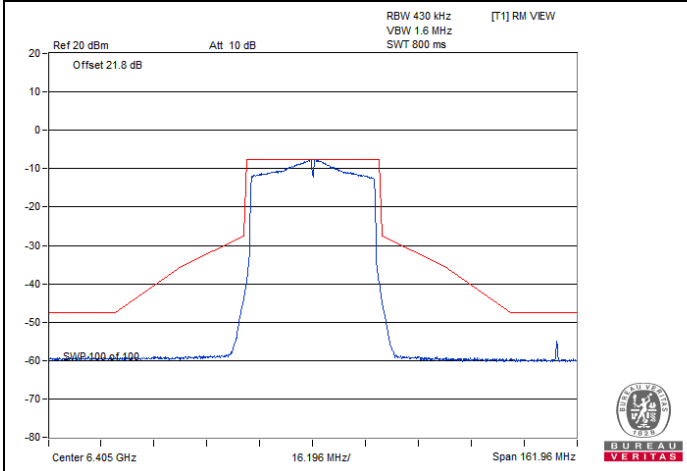
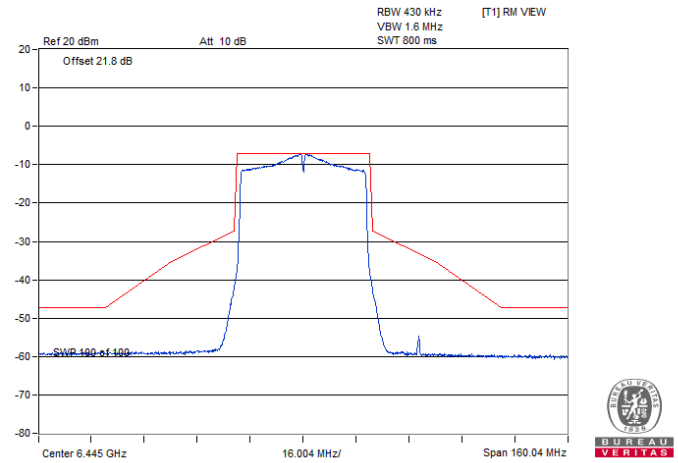
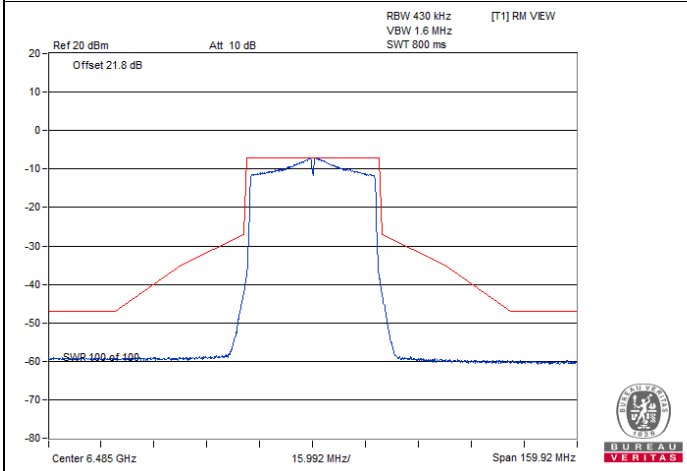
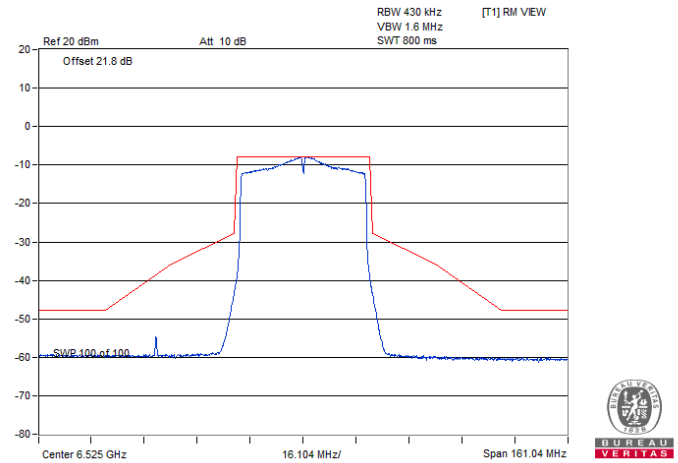


802.11ax (HE20) / Chain 1 : CH 209

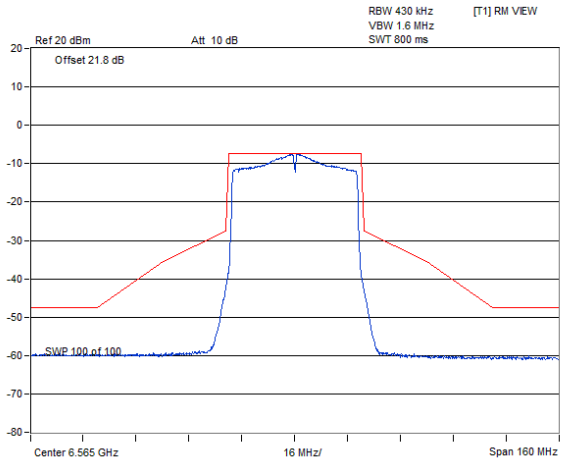


802.11ax (HE20) / Chain 1 : CH 229

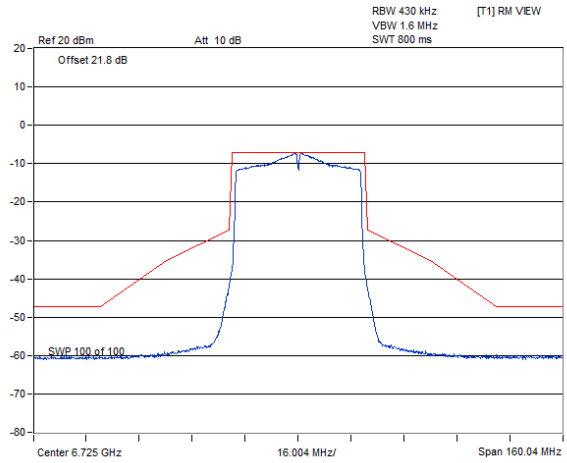
802.11ax (HE40)

Spectrum Plot	
	
802.11ax (HE40) / Chain 0 : CH 3	802.11ax (HE40) / Chain 0 : CH 43
	
802.11ax (HE40) / Chain 0 : CH 91	802.11ax (HE40) / Chain 0 : CH 99
	
802.11ax (HE40) / Chain 0 : CH 107	802.11ax (HE40) / Chain 0 : CH 115

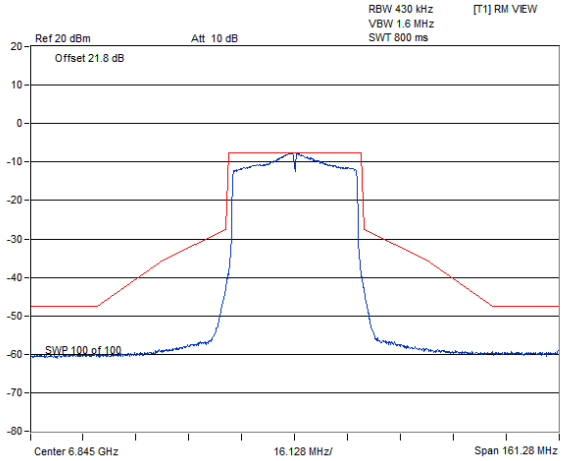
Spectrum Plot



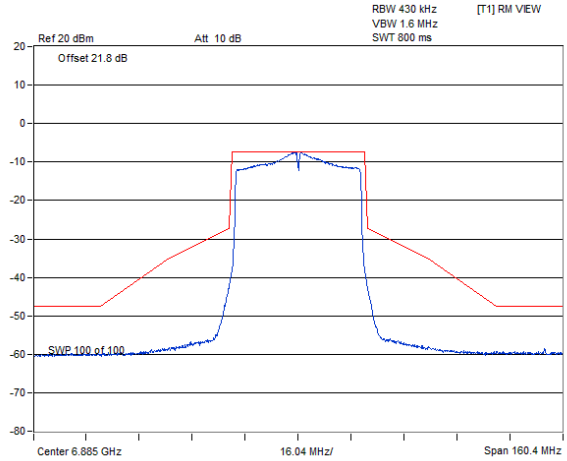
802.11ax (HE40) / Chain 0 : CH 123



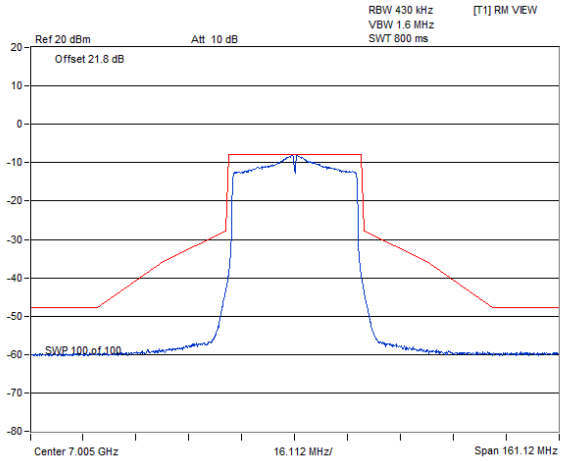
802.11ax (HE40) / Chain 0 : CH 155



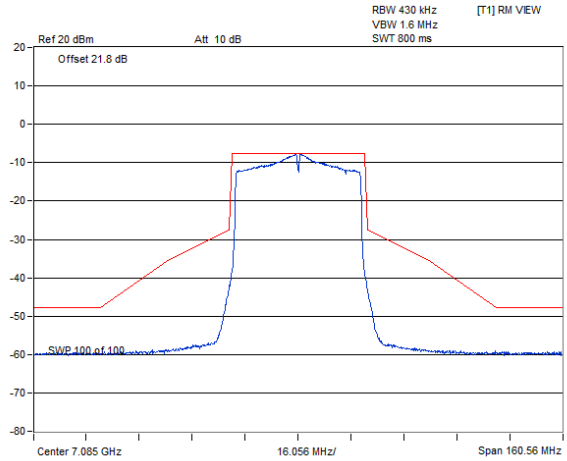
802.11ax (HE40) / Chain 0 : CH 179



802.11ax (HE40) / Chain 0 : CH 187

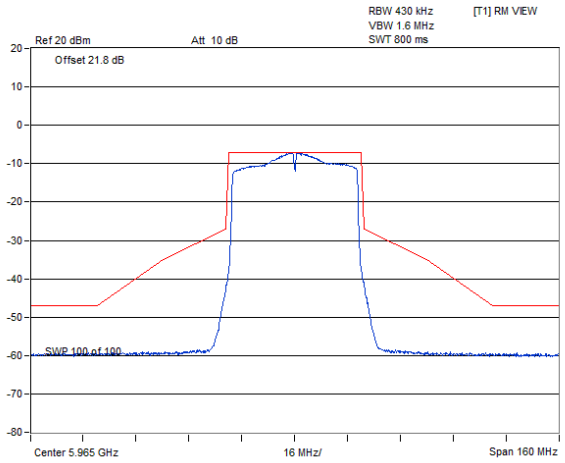


802.11ax (HE40) / Chain 0 : CH 211

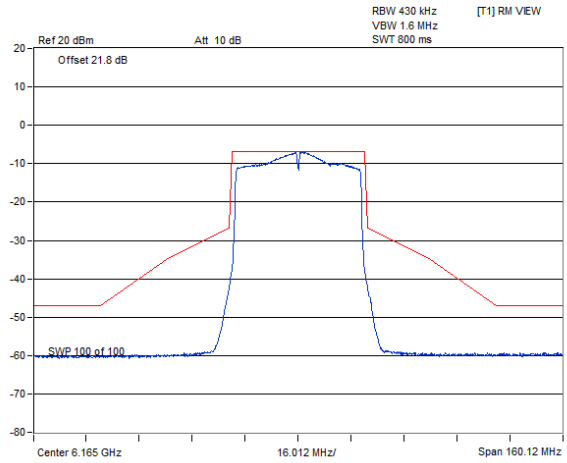


802.11ax (HE40) / Chain 0 : CH 227

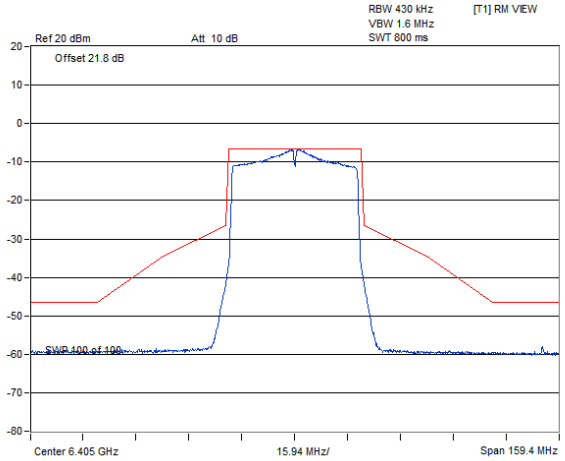
Spectrum Plot



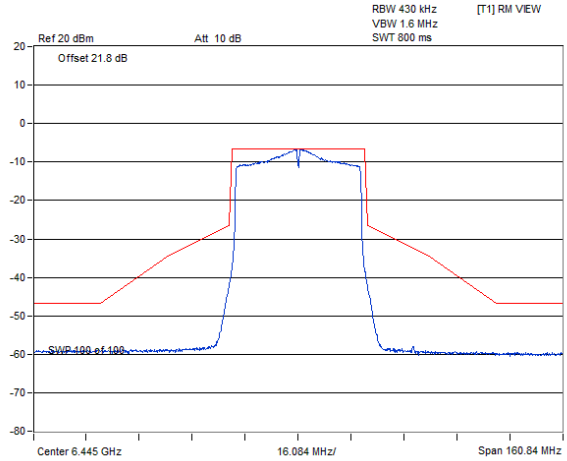
802.11ax (HE40) / Chain 1 : CH 3



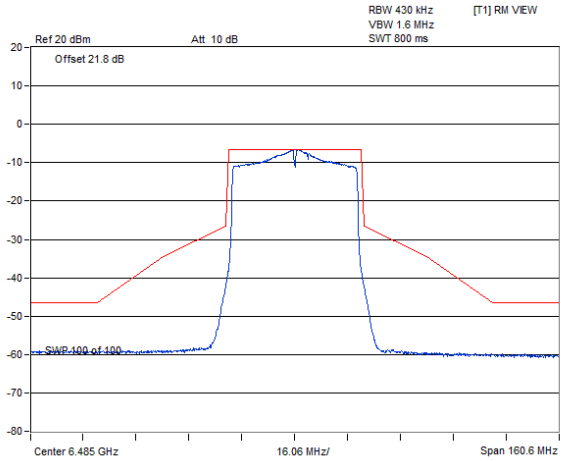
802.11ax (HE40) / Chain 1 : CH 43



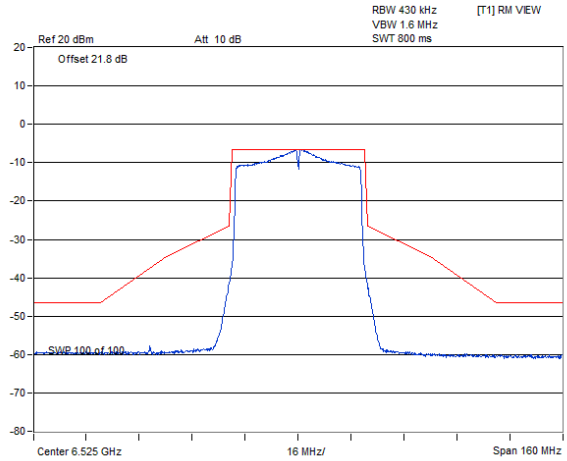
802.11ax (HE40) / Chain 1 : CH 91



802.11ax (HE40) / Chain 1 : CH 99

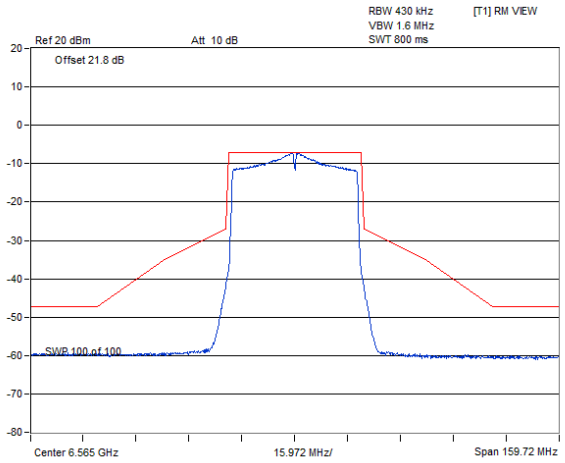


802.11ax (HE40) / Chain 1 : CH 107

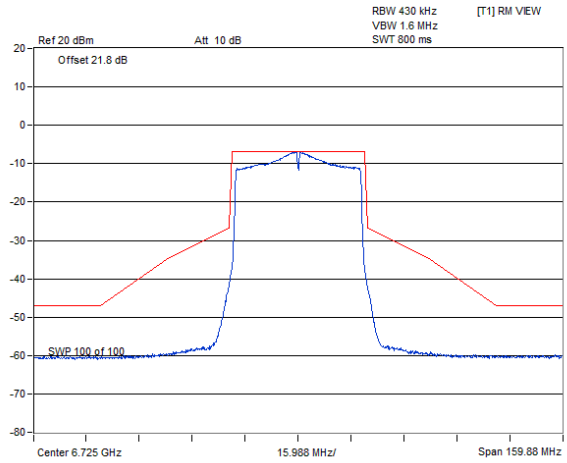


802.11ax (HE40) / Chain 1 : CH 115

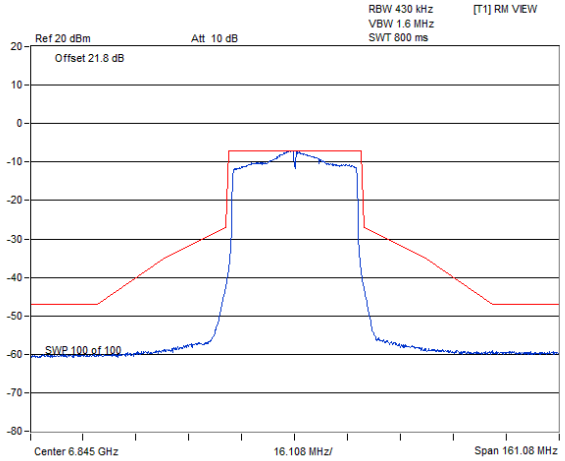
Spectrum Plot



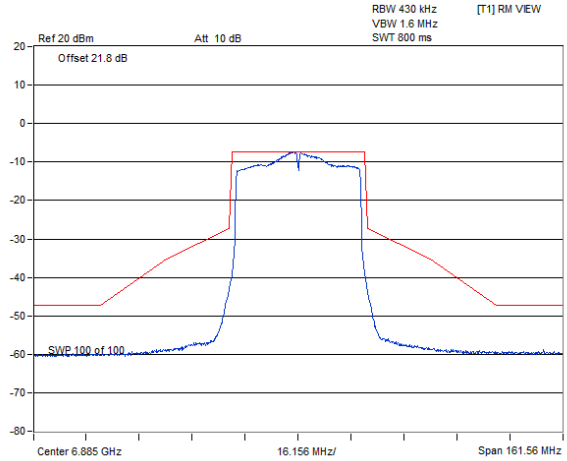
802.11ax (HE40) / Chain 1 : CH 123



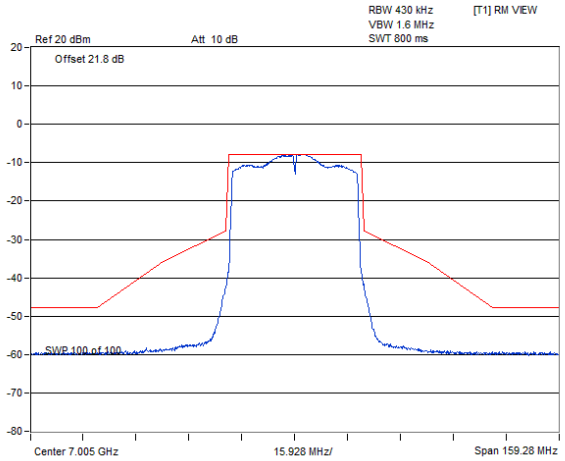
802.11ax (HE40) / Chain 1 : CH 155



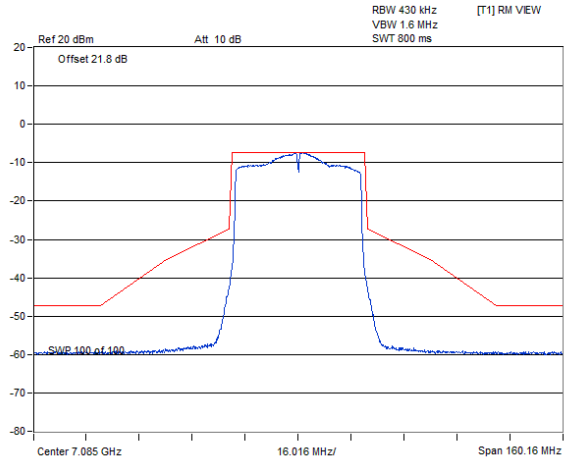
802.11ax (HE40) / Chain 1 : CH 179



802.11ax (HE40) / Chain 1 : CH 187

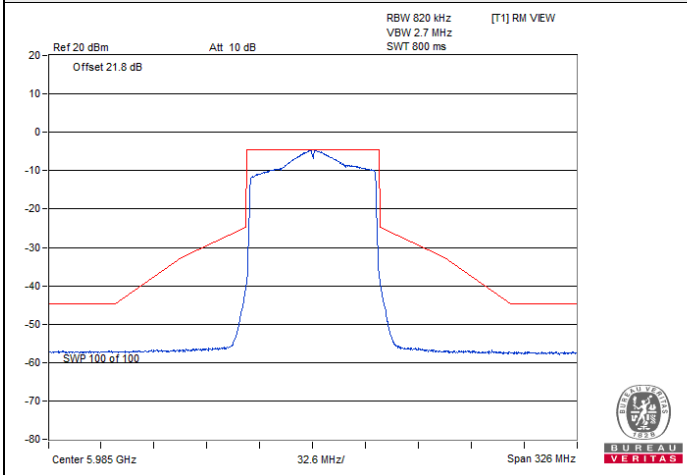
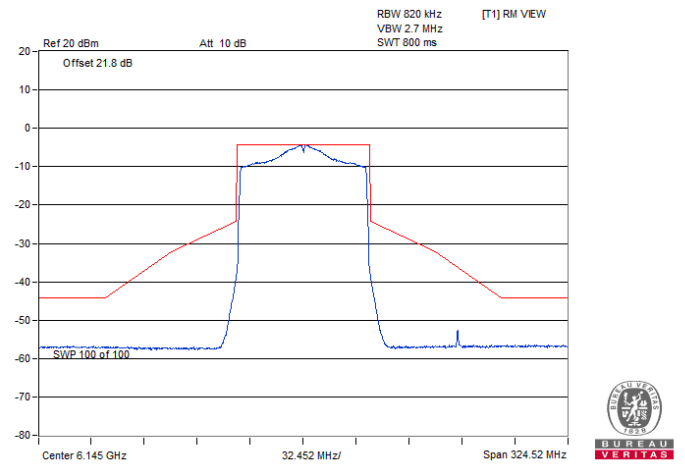
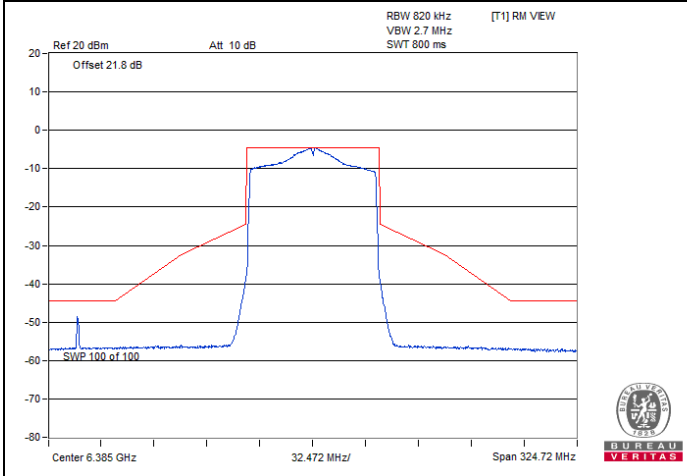
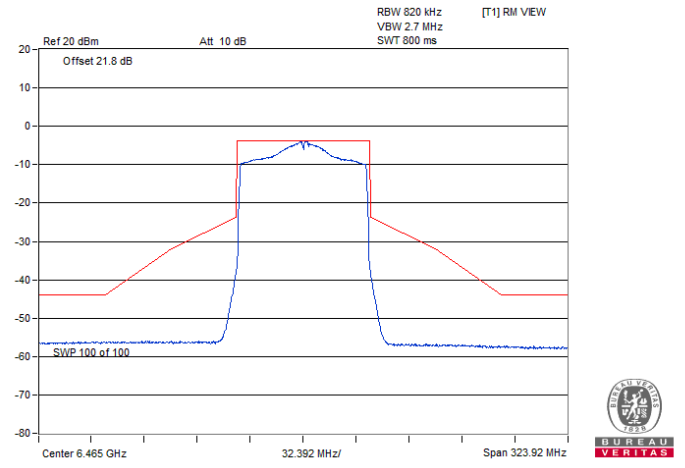
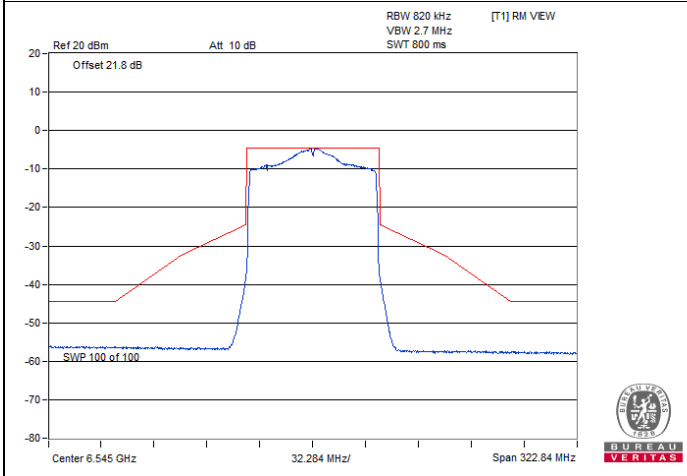
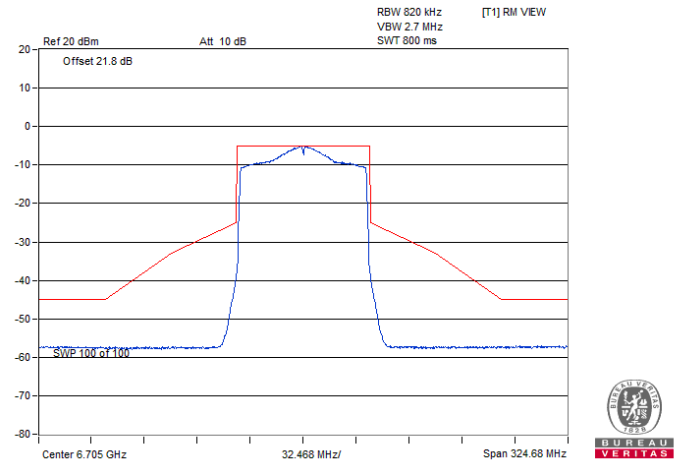


802.11ax (HE40) / Chain 1 : CH 211

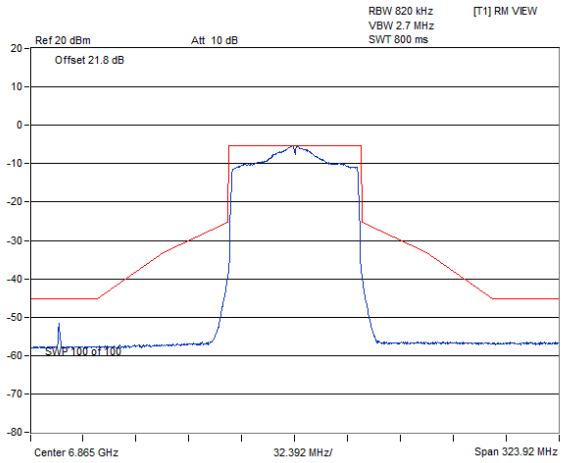


802.11ax (HE40) / Chain 1 : CH 227

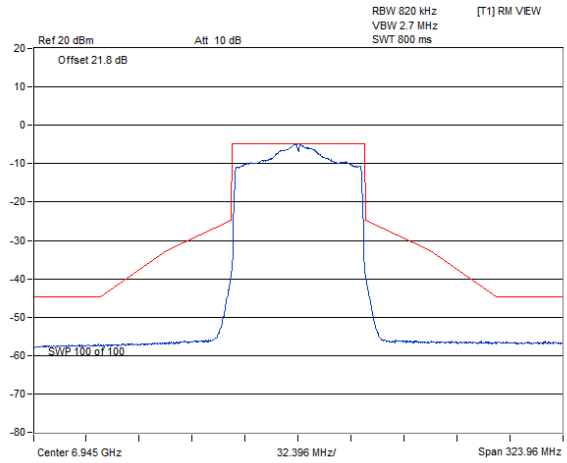
802.11ax (HE80)

Spectrum Plot	
	
802.11ax (HE80) / Chain 0 : CH 7	802.11ax (HE80) / Chain 0 : CH 39
	
802.11ax (HE80) / Chain 0 : CH 87	802.11ax (HE80) / Chain 0 : CH 103
	
802.11ax (HE80) / Chain 0 : CH 119	802.11ax (HE80) / Chain 0 : CH 151

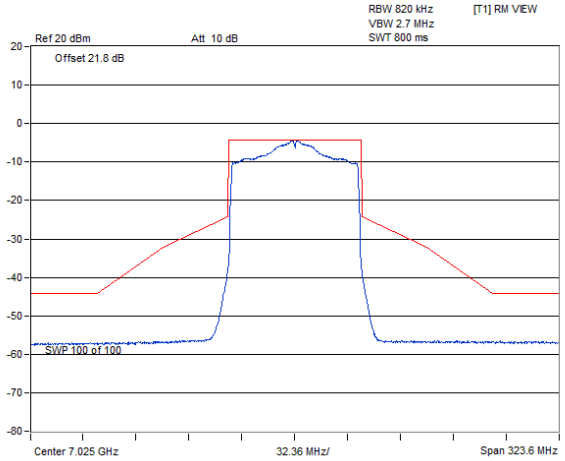
Spectrum Plot



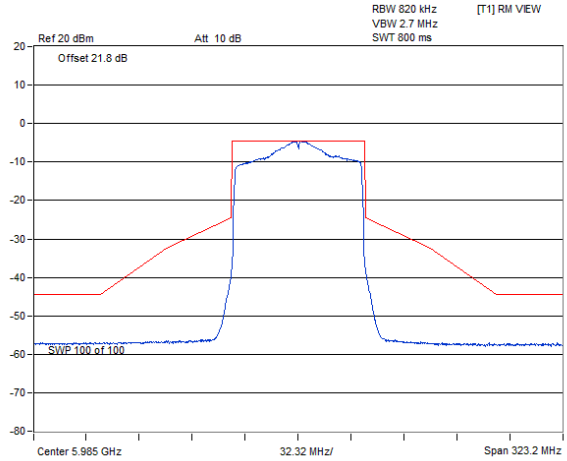
802.11ax (HE80) / Chain 0 : CH 183



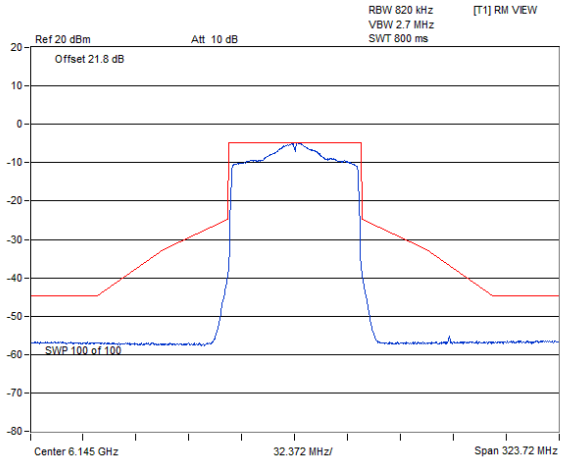
802.11ax (HE80) / Chain 0 : CH 199



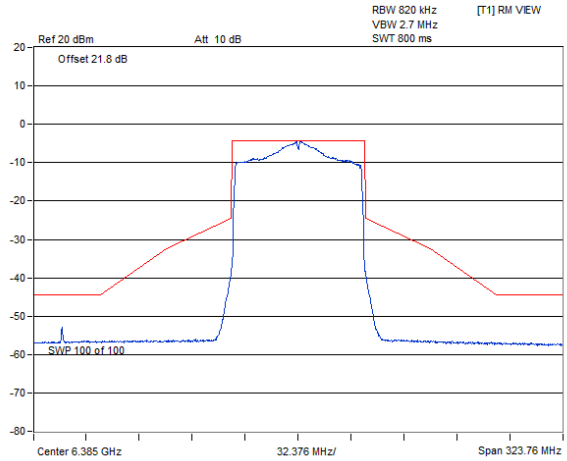
802.11ax (HE80) / Chain 0 : CH 215



802.11ax (HE80) / Chain 1 : CH 7

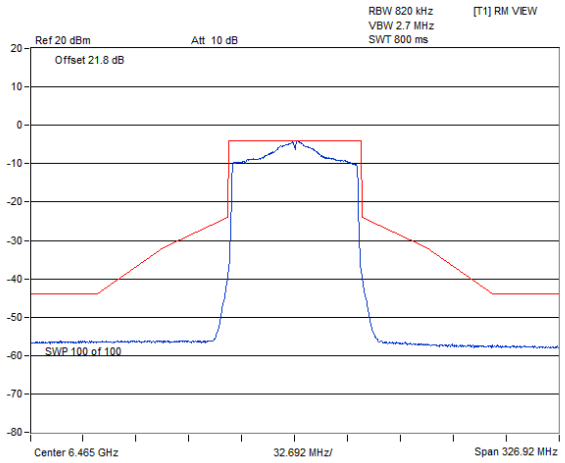


802.11ax (HE80) / Chain 1 : CH 39

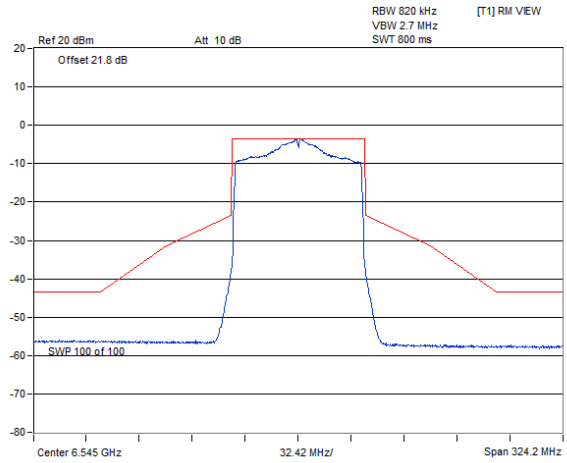


802.11ax (HE80) / Chain 1 : CH 87

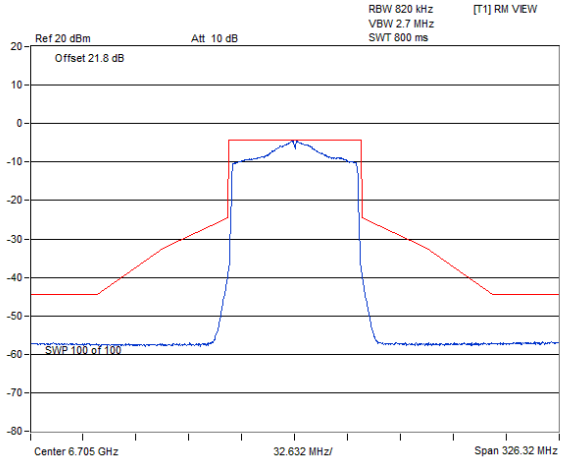
Spectrum Plot



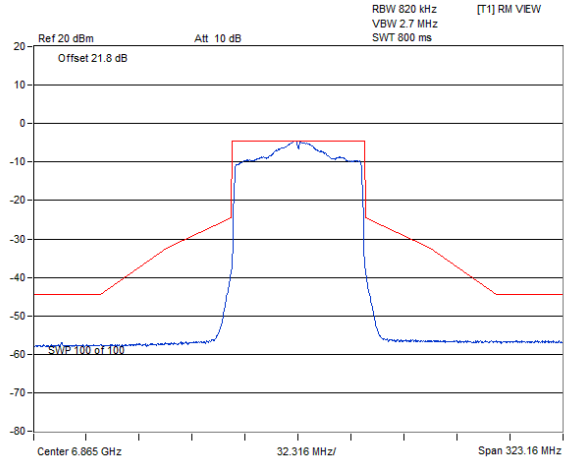
802.11ax (HE80) / Chain 1 : CH 103



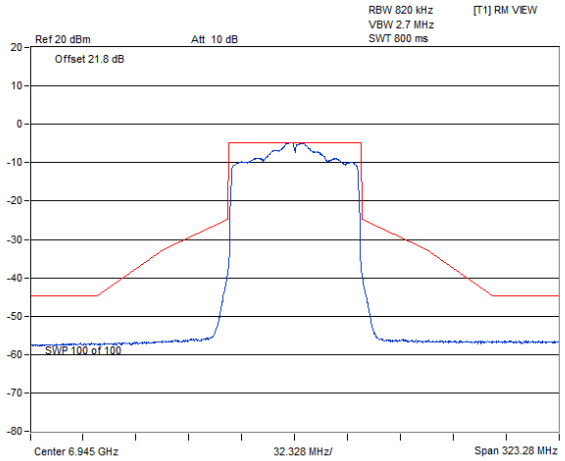
802.11ax (HE80) / Chain 1 : CH 119



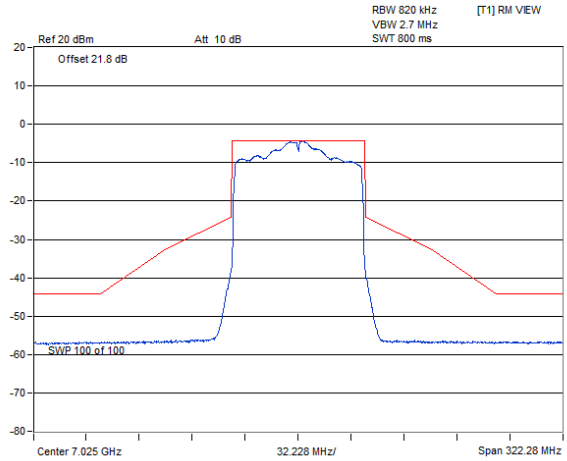
802.11ax (HE80) / Chain 1 : CH 151



802.11ax (HE80) / Chain 1 : CH 183

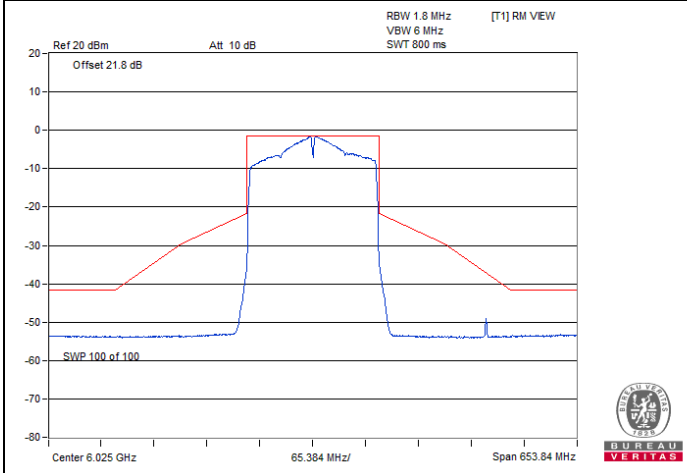
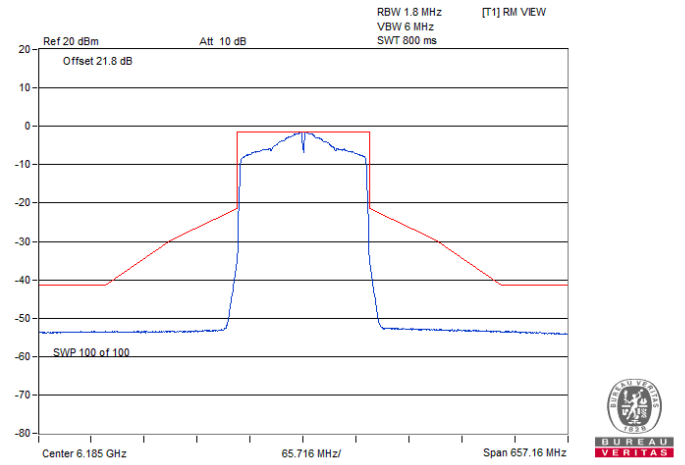
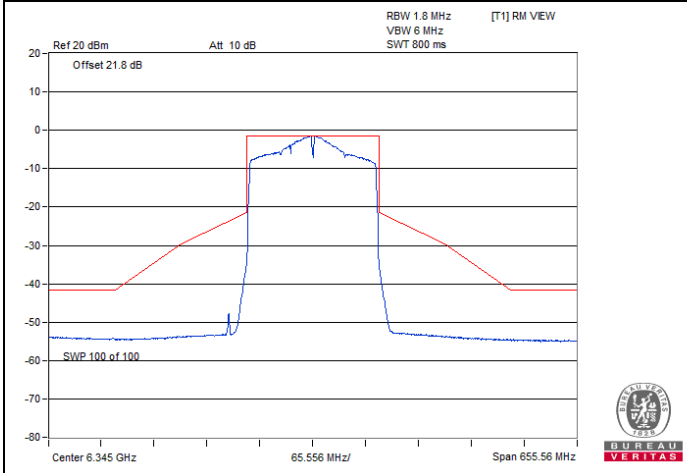
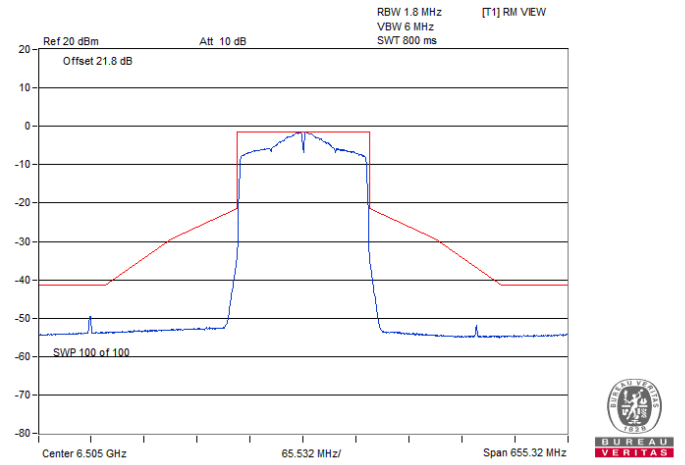
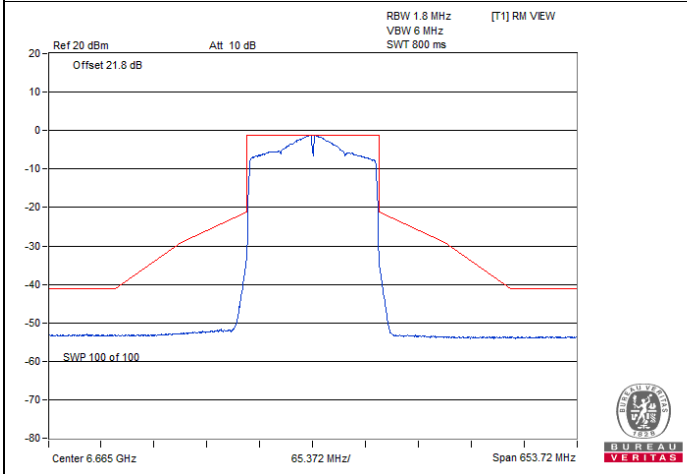
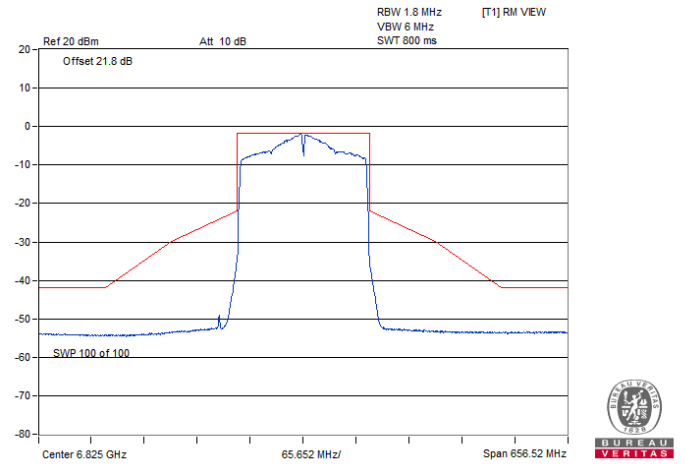


802.11ax (HE80) / Chain 1 : CH 199

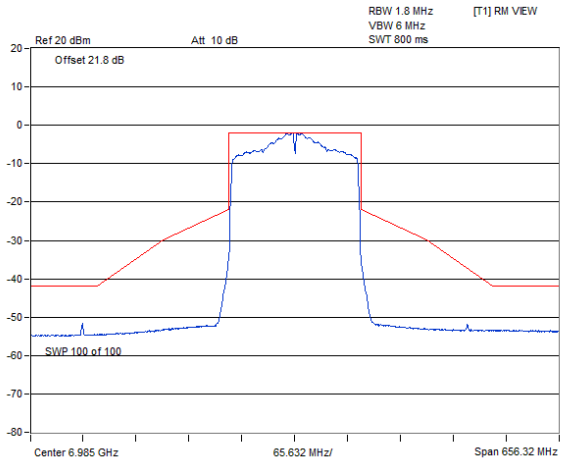


802.11ax (HE80) / Chain 1 : CH 215

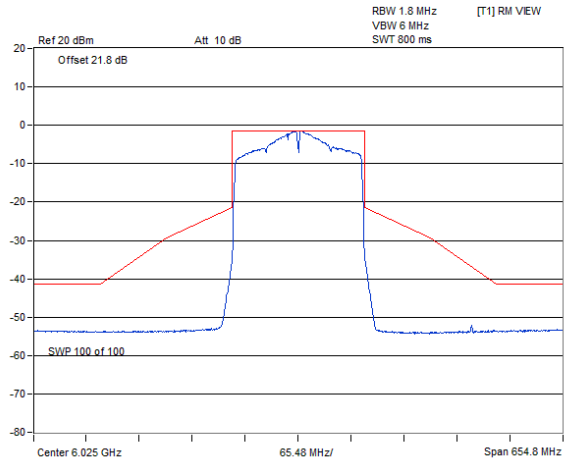
802.11ax (HE160)

Spectrum Plot	
	
802.11ax (HE160) / Chain 0 : CH 15	802.11ax (HE160) / Chain 0 : CH 47
	
802.11ax (HE160) / Chain 0 : CH 79	802.11ax (HE160) / Chain 0 : CH 111
	
802.11ax (HE160) / Chain 0 : CH 143	802.11ax (HE160) / Chain 0 : CH 175

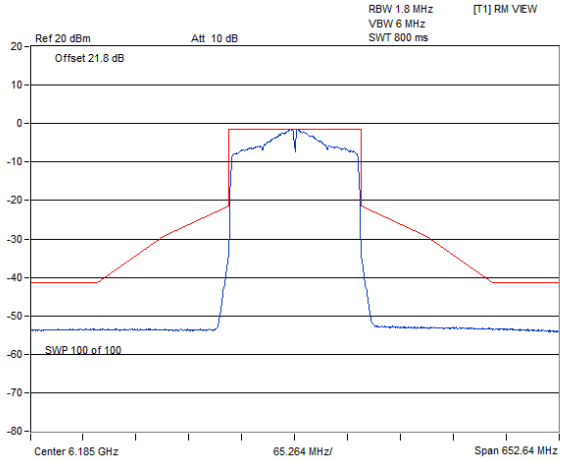
Spectrum Plot



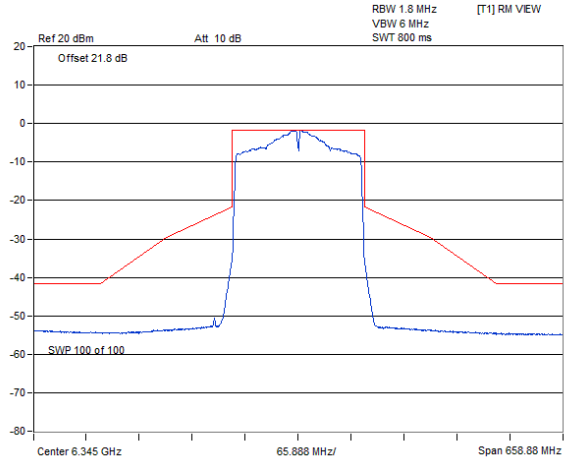
802.11ax (HE160) / Chain 0 : CH 207



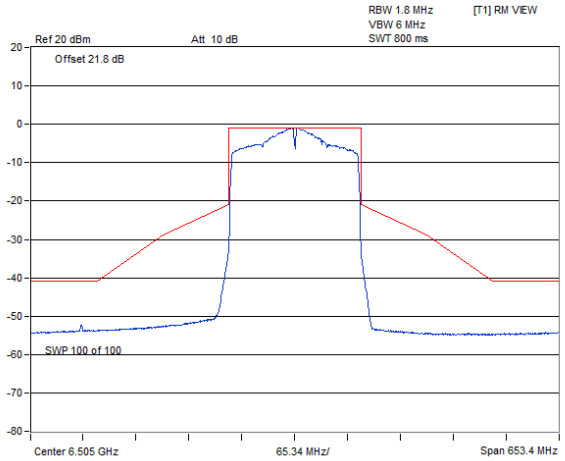
802.11ax (HE160) / Chain 1 : CH 15



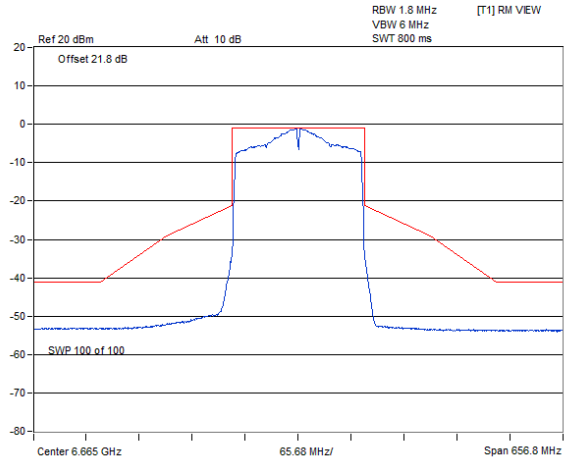
802.11ax (HE160) / Chain 1 : CH 47



802.11ax (HE160) / Chain 1 : CH 79

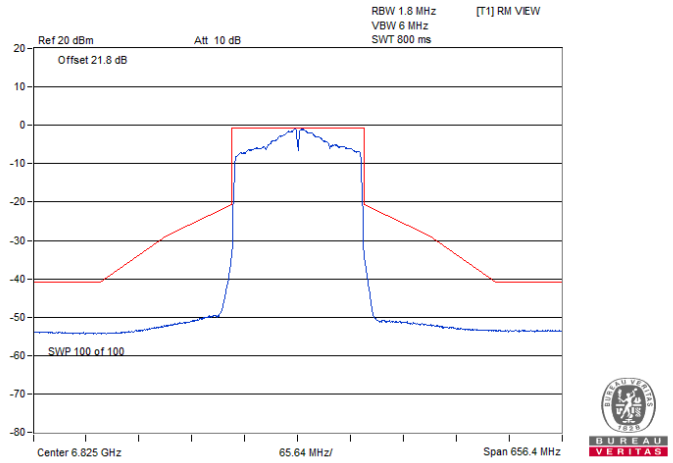


802.11ax (HE160) / Chain 1 : CH 111

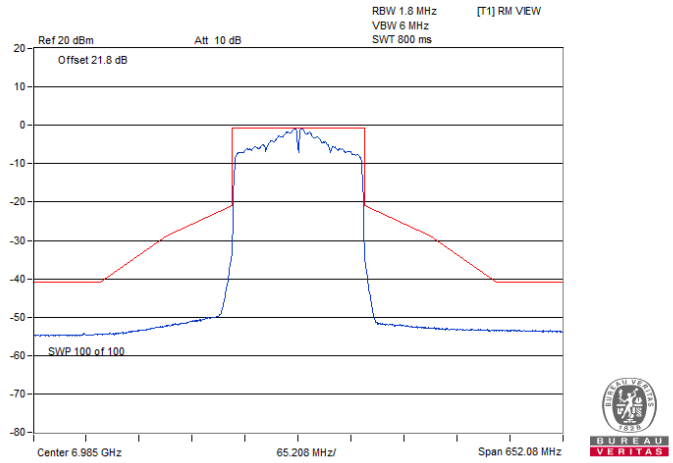


802.11ax (HE160) / Chain 1 : CH 143

Spectrum Plot



802.11ax (HE160) / Chain 1 : CH 175



802.11ax (HE160) / Chain 1 : CH 207

7.5 Occupied Bandwidth

Input Power:	54 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Louis Yang

802.11ax (HE20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	5955	18.90	18.84	320	Pass
45	6175	18.84	18.78	320	Pass
93	6415	18.96	18.90	320	Pass
97	6435	18.90	18.90	320	Pass
105	6475	18.90	18.96	320	Pass
113	6515	18.84	18.90	320	Pass
117	6535	18.84	18.78	320	Pass
149	6695	18.84	18.90	320	Pass
181	6855	18.90	18.84	320	Pass
185	6875	18.90	18.84	320	Pass
209	6995	18.90	18.84	320	Pass
229	7095	18.78	18.90	320	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
3	5965	37.80	37.80	320	Pass
43	6165	37.68	37.68	320	Pass
91	6405	37.56	37.80	320	Pass
99	6445	37.80	37.80	320	Pass
107	6485	37.68	37.80	320	Pass
115	6525	37.92	37.80	320	Pass
123	6565	37.68	37.80	320	Pass
155	6725	37.80	37.80	320	Pass
179	6845	37.56	37.68	320	Pass
187	6885	38.04	37.68	320	Pass
211	7005	37.68	37.68	320	Pass
227	7085	37.68	37.56	320	Pass

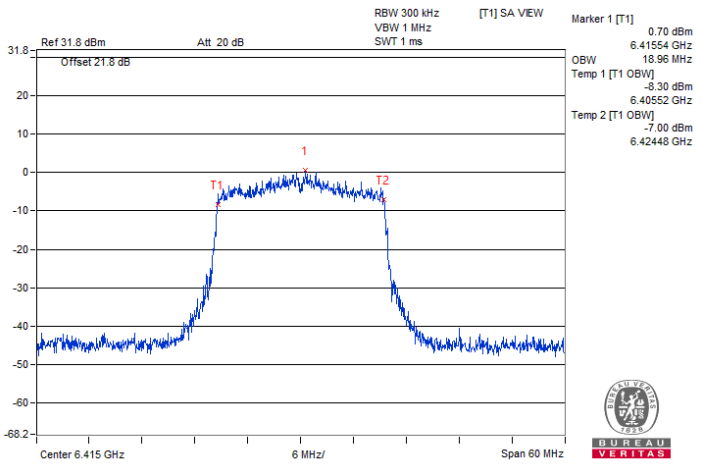
802.11ax (HE80)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
7	5985	76.56	76.56	320	Pass
39	6145	77.28	76.56	320	Pass
87	6385	76.80	76.56	320	Pass
103	6465	76.56	76.56	320	Pass
119	6545	76.56	76.56	320	Pass
151	6705	76.80	77.04	320	Pass
183	6865	76.56	76.56	320	Pass
199	6945	76.80	76.80	320	Pass
215	7025	76.56	76.32	320	Pass

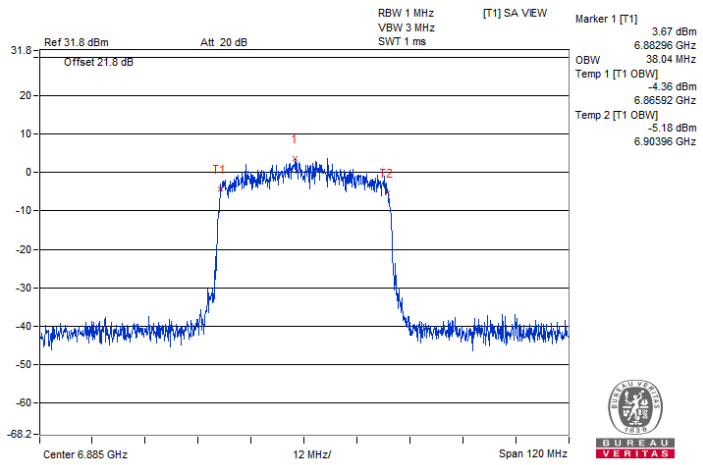
802.11ax (HE160)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Maximum Limit (MHz)	Test Result
		Chain 0	Chain 1		
15	6025	154.20	154.40	320	Pass
47	6185	154.80	155.20	320	Pass
79	6345	154.80	154.60	320	Pass
111	6505	154.80	155.20	320	Pass
143	6665	154.60	155.20	320	Pass
175	6825	155.00	155.00	320	Pass
207	6985	154.60	154.40	320	Pass

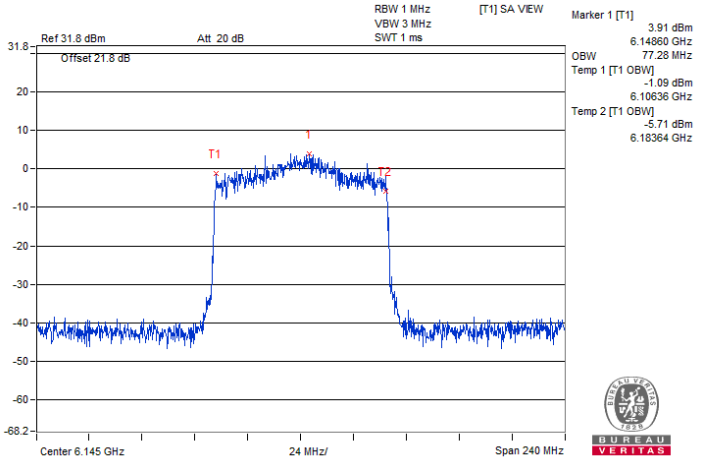
Spectrum Plot of Maximum Value



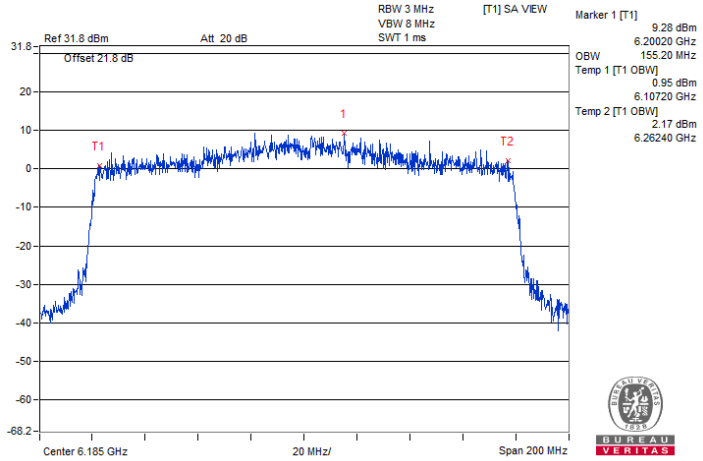
802.11ax (HE20) / Chain 0 : CH 93



802.11ax (HE40) / Chain 0 : CH 187



802.11ax (HE80) / Chain 0 : CH 39



802.11ax (HE160) / Chain 1 : CH 47

7.6 Frequency Stability

Input Power:	12 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Louis Yang

Frequency Stability Versus Temperature									
Operating Frequency: 5955 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
40	12	5954.992	Pass	5954.9907	Pass	5954.9931	Pass	5954.992	Pass
30	12	5954.9764	Pass	5954.9776	Pass	5954.9756	Pass	5954.9756	Pass
20	12	5955.0136	Pass	5955.0167	Pass	5955.0133	Pass	5955.0148	Pass
10	12	5955.0267	Pass	5955.0287	Pass	5955.0271	Pass	5955.0275	Pass
0	12	5954.9866	Pass	5954.9863	Pass	5954.984	Pass	5954.9861	Pass

Frequency Stability Versus Voltage									
Operating Frequency: 5955 MHz									
Temp. (℃)	Power Supply (Vdc)	0 Minute		2 Minutes		5 Minutes		10 Minutes	
		Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result	Measured Frequency (MHz)	Test Result
20	13.8	5955.0208	Pass	5955.0219	Pass	5955.0219	Pass	5955.0202	Pass
	12	5955.0267	Pass	5955.0287	Pass	5955.0271	Pass	5955.0275	Pass
	10.2	5955.0331	Pass	5955.0323	Pass	5955.0331	Pass	5955.0307	Pass

7.7 Contention-based Protocol

Input Power:	54 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Tobey Chen

Companion Device Information			
Product	**Brand**	**Model No.**	**Software/Firmware Version**
WiFi Access Point	Plasma Cloud Pte. Ltd.	PAX5400	OpenWrt Chaos Calmer 15.05.1 unknown / LuCI (svn-r900)

For U-NII-5

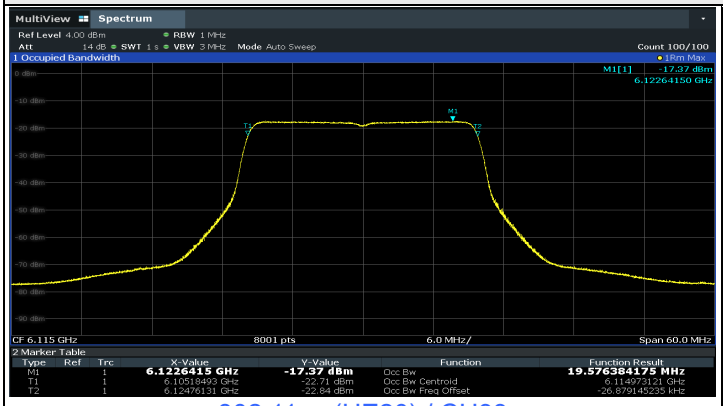
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	33	6115	6115	-70.48	4.3	0	-74.78	-62	OFF
					-70.98	4.3	0	-75.28	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
	160	47	6185	6110	-68.57	4.3	0	-72.87	-62	OFF
					-69.07	4.3	0	-73.37	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6185	-58.05	4.3	0	-62.35	-62	OFF
					-58.57	4.3	0	-62.87	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6260	-67.29	4.3	0	-71.59	-62	OFF
					-67.79	4.3	0	-72.09	-62	Minimal
					-77.7	4.3	0	-82	-62	ON

Notes:

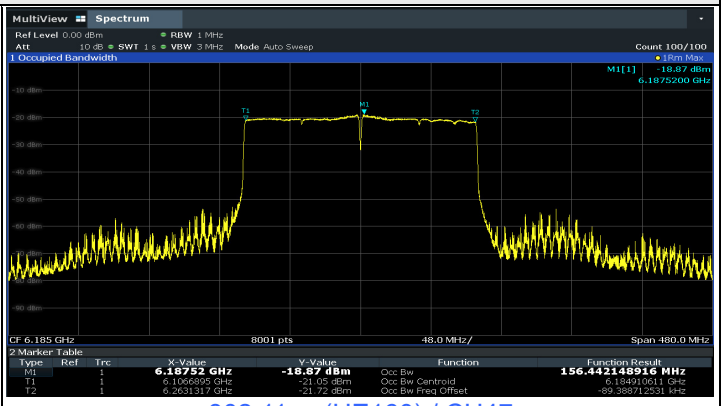
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

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	6115	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass
	160	6110	v	v	x	v	v	v	v	v	v	v	90%	90%	Pass
		6185	v	v	v	v	v	v	x	v	v	v	90%	90%	Pass
		6260	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

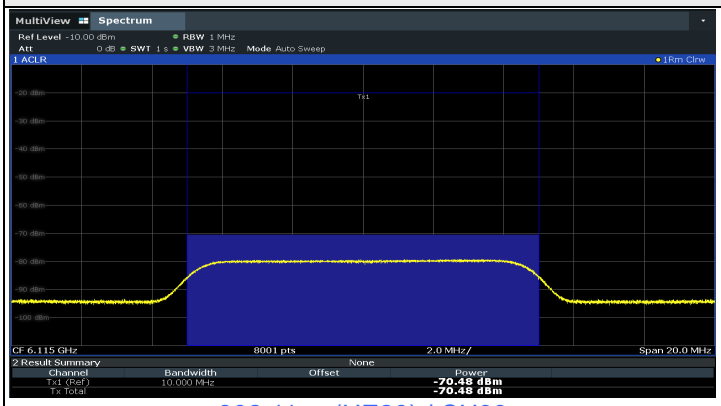


802.11ax (HE20) / CH33

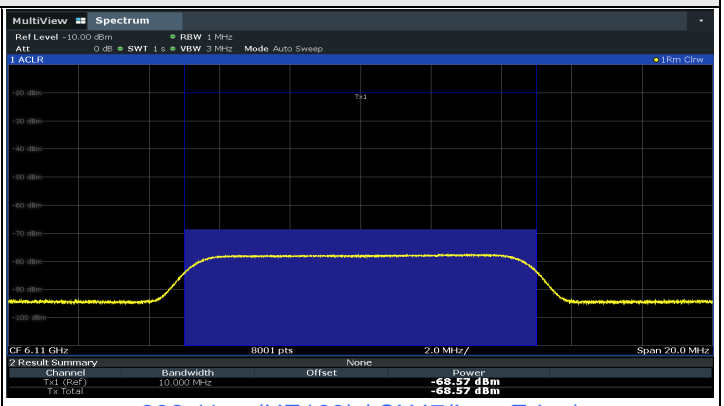


802.11ax (HE160) / CH47

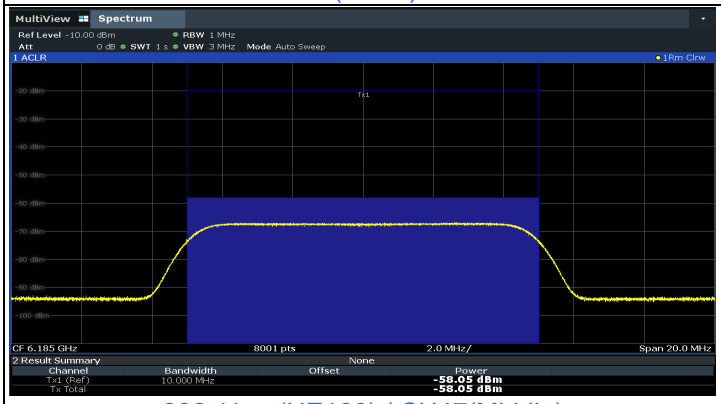
Plots of Injected signal (AWGN) level



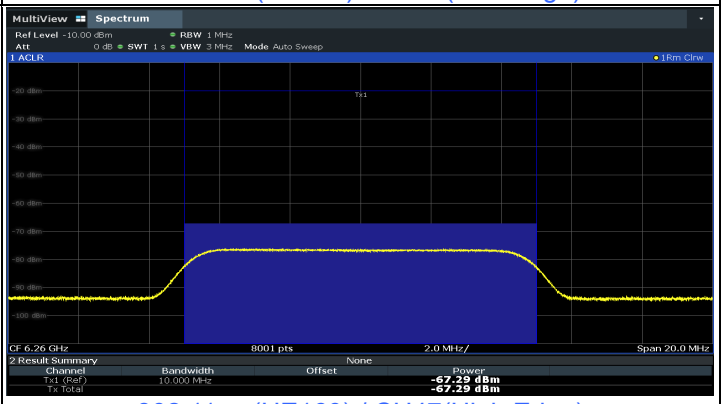
802.11ax (HE20) / CH33



802.11ax (HE160) / CH47(Low Edge)

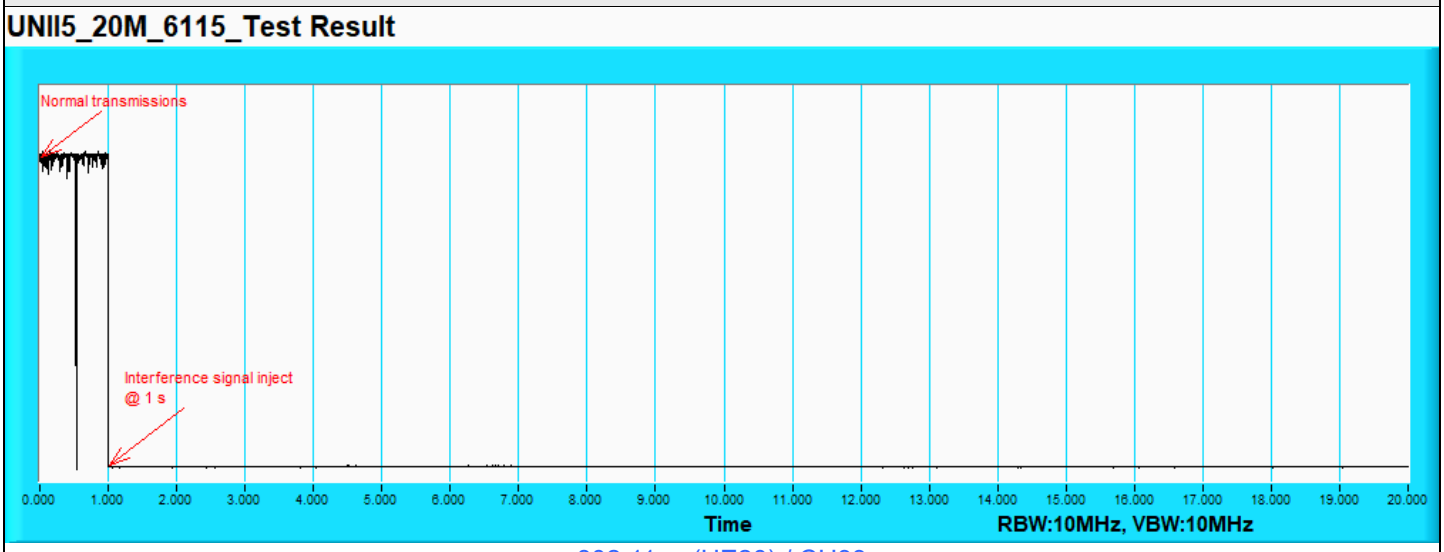


802.11ax (HE160) / CH47(Middle)



802.11ax (HE160) / CH47(High Edge)

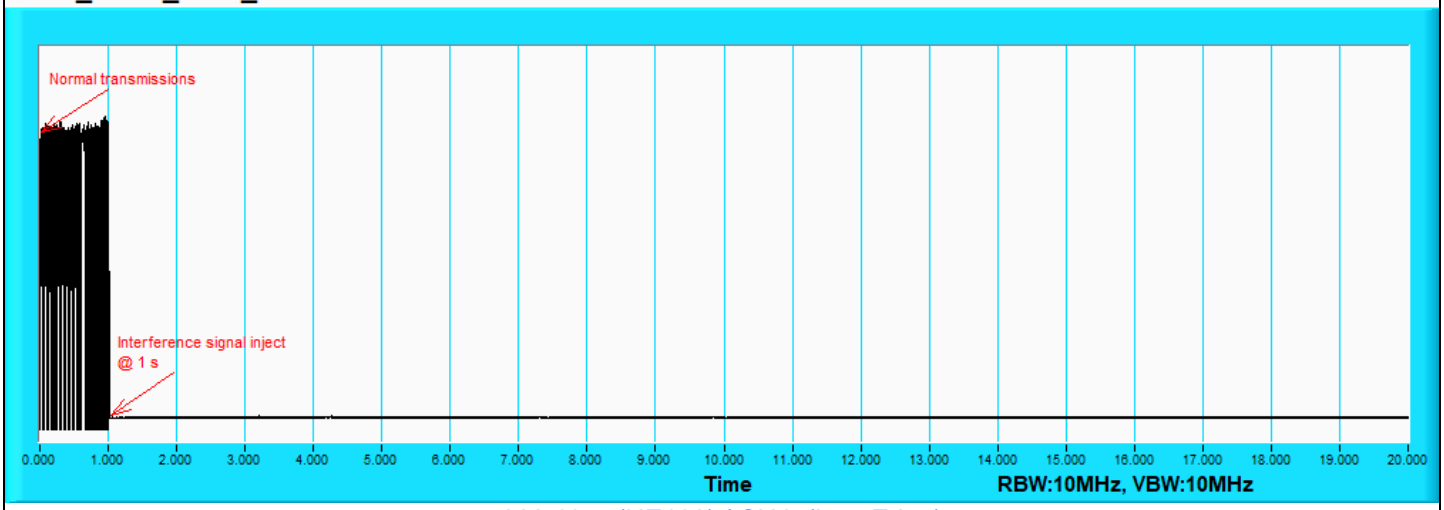
Plots of EUT ceased transmission in the time domain



802.11ax (HE20) / CH33

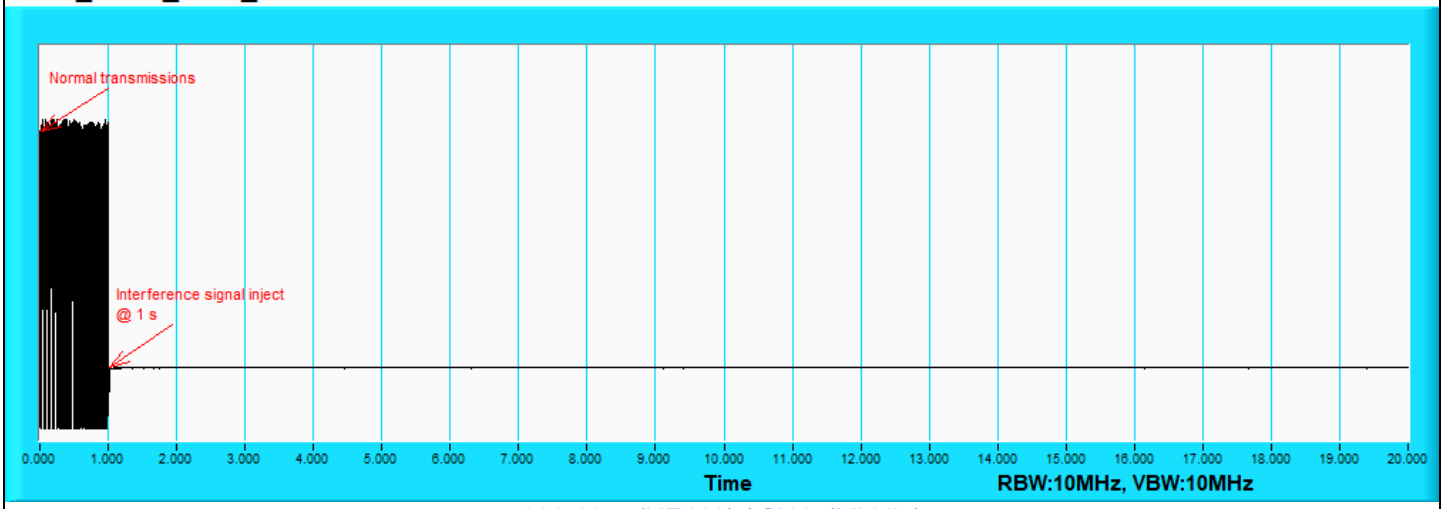
Plots of EUT ceased transmission in the time domain

UNII5_160M_6110_Test Result



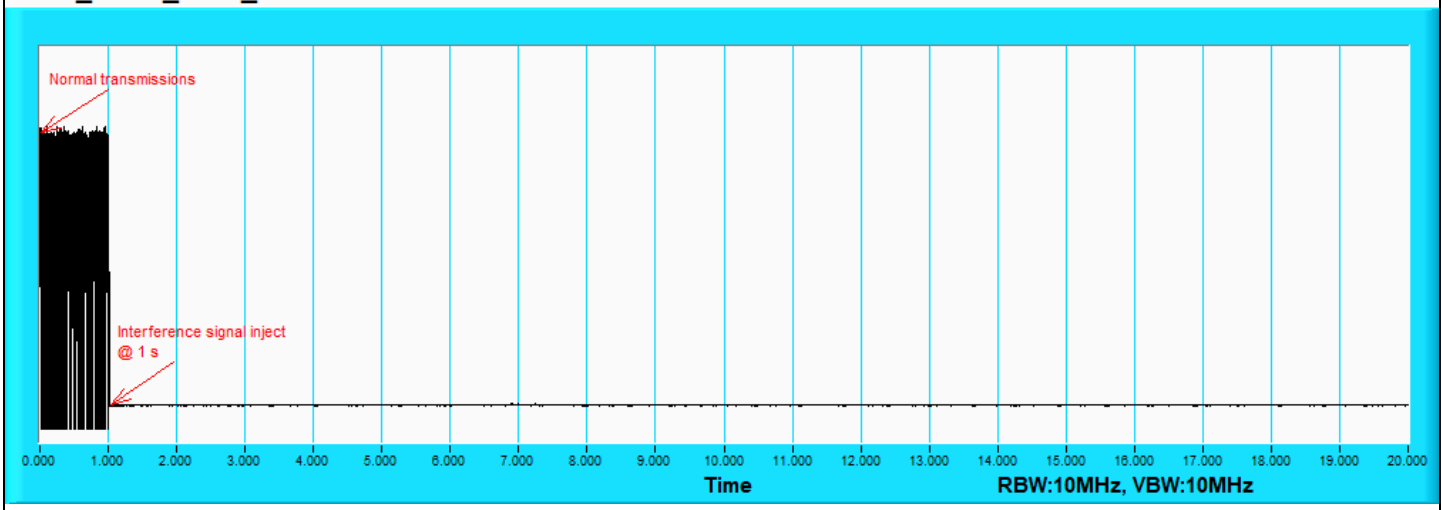
802.11ax (HE160) / CH47(Low Edge)

UNII5_160M_6185_Test Result



802.11ax (HE160) / CH47(Middle)

UNII5_160M_6260_Test Result



802.11ax (HE160) / CH47(High Edge)

For U-NII-6

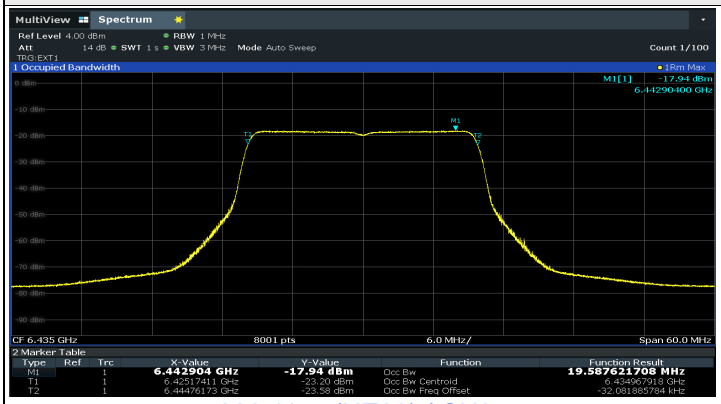
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	97	6435	6435	-70.83	4.3	0	-75.13	-62	OFF
					-71.33	4.3	0	-75.63	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
	160	111	6505	6430	-67.03	4.3	0	-71.33	-62	OFF
					-67.53	4.3	0	-71.83	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6505	-58.96	4.3	0	-63.26	-62	OFF
					-59.46	4.3	0	-63.76	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6580	-71.43	4.3	0	-75.73	-62	OFF
					-71.93	4.3	0	-76.23	-62	Minimal
					-77.7	4.3	0	-82	-62	ON

Notes:

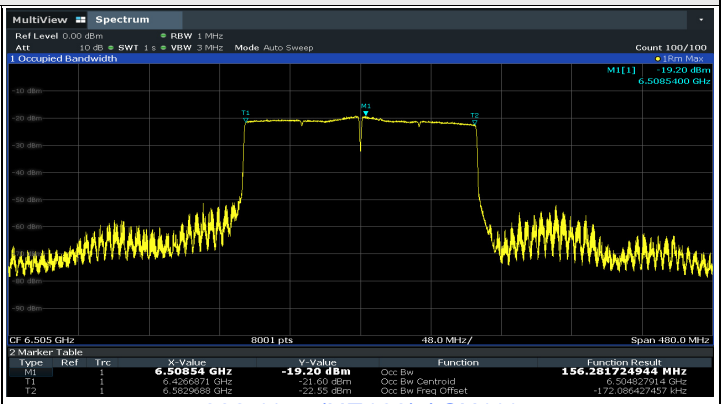
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

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	6435	v	v	v	v	v	v	v	v	x	v	90%	90%	Pass
	160	6430	v	v	v	x	v	v	v	v	v	v	90%	90%	Pass
		6505	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6580	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

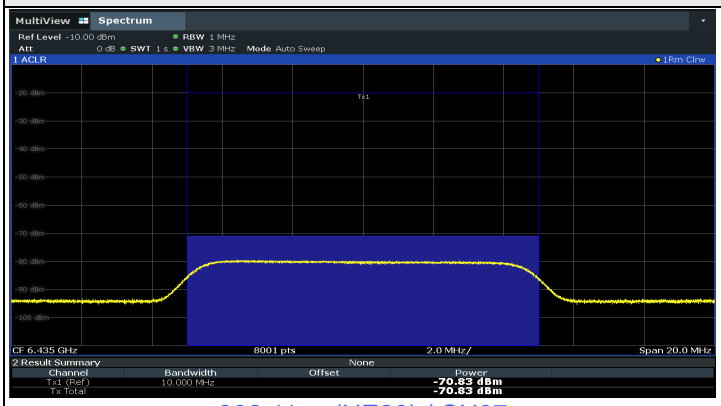


802.11ax (HE20) / CH97

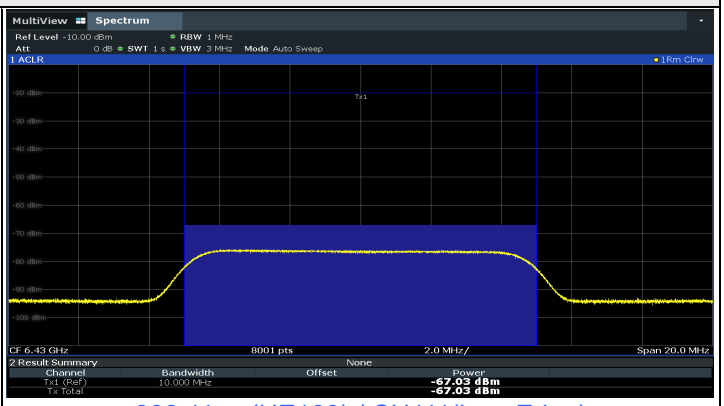


802.11ax (HE160) / CH111

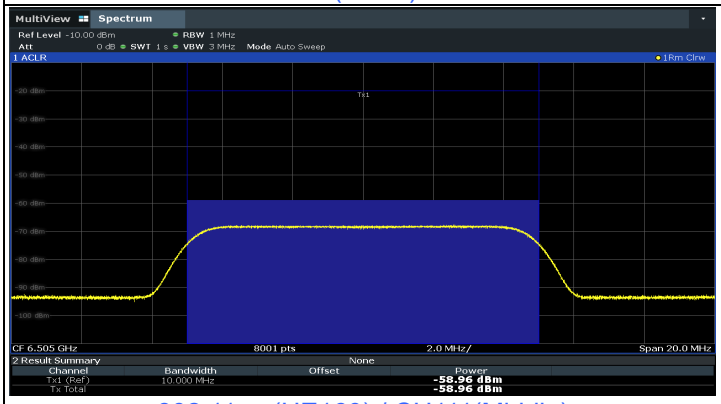
Plots of Injected signal (AWGN) level



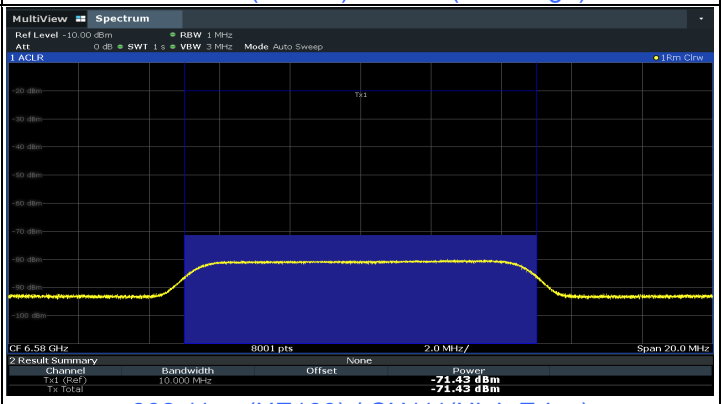
802.11ax (HE20) / CH97



802.11ax (HE160) / CH111(Low Edge)

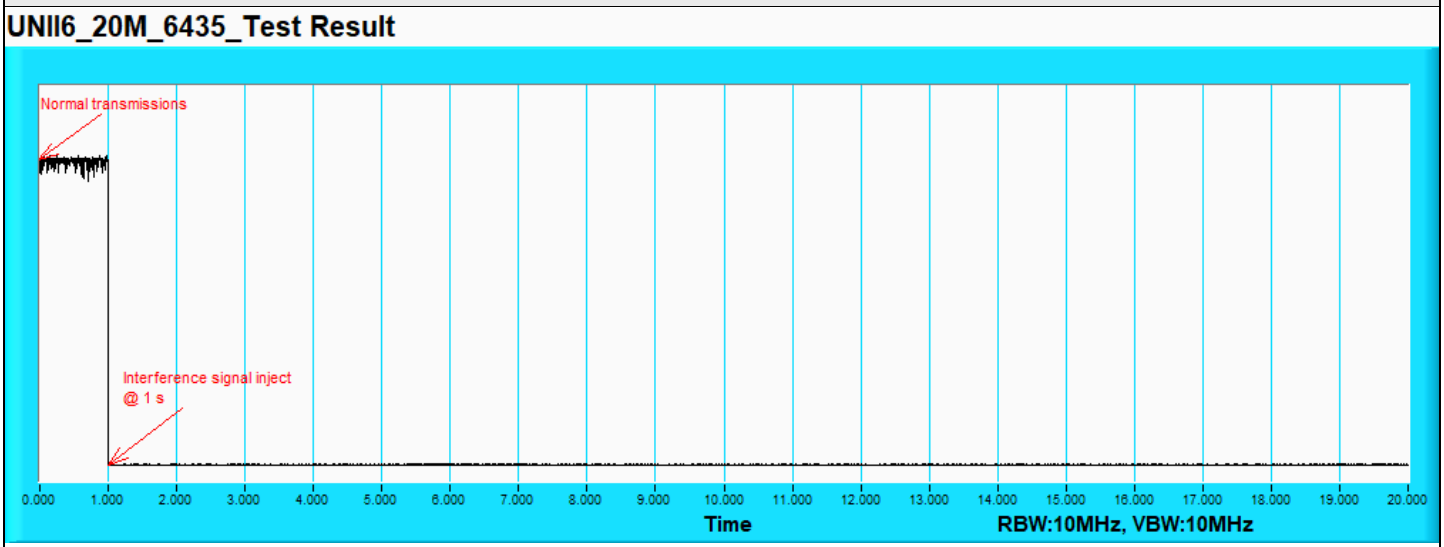


802.11ax (HE160) / CH111(Middle)



802.11ax (HE160) / CH111(High Edge)

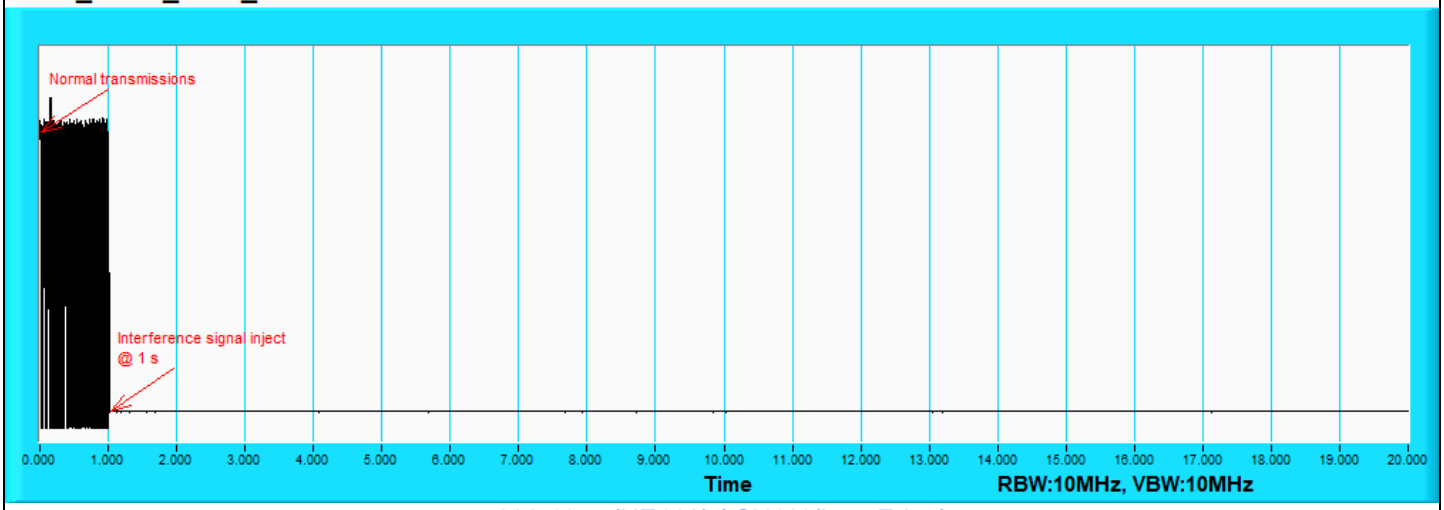
Plots of EUT ceased transmission in the time domain



802.11ax (HE20) / CH97

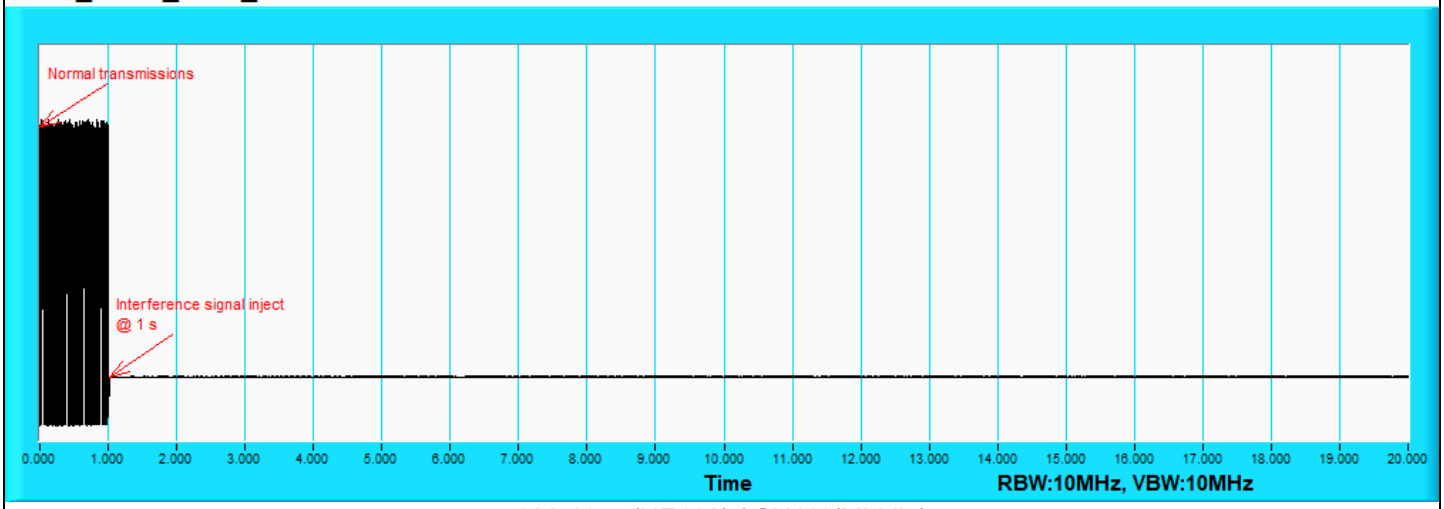
Plots of EUT ceased transmission in the time domain

UNII6_160M_6430_Test Result



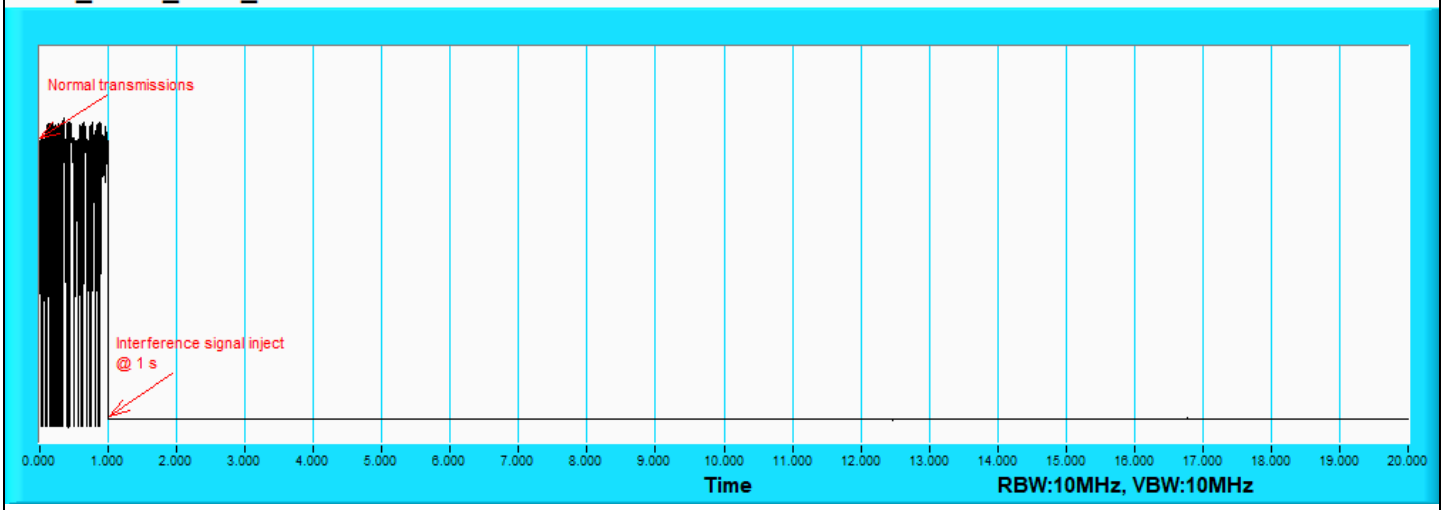
802.11ax (HE160) / CH111(Low Edge)

UNII6_160M_6505_Test Result



802.11ax (HE160) / CH111(Middle)

UNII6_160M_6580_Test Result



802.11ax (HE160) / CH111(High Edge)

For U-NII-7

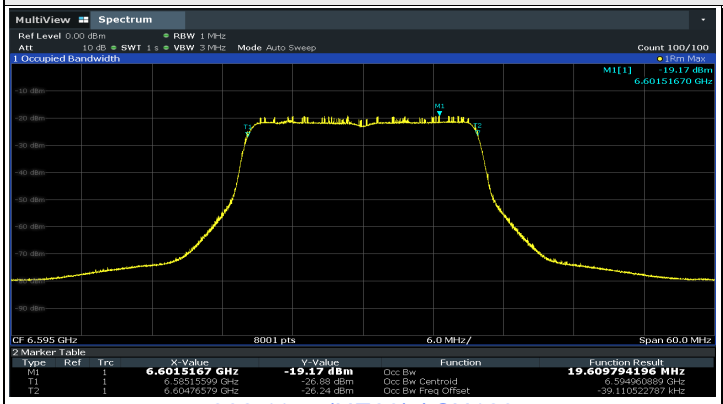
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	129	6595	6595	-67.46	4.3	0	-71.76	-62	OFF
					-67.96	4.3	0	-72.26	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
	160	143	6665	6590	-70.43	4.3	0	-74.73	-62	OFF
					-70.93	4.3	0	-75.23	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6665	-60.08	4.3	0	-64.38	-62	OFF
					-60.58	4.3	0	-64.88	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6740	-69.36	4.3	0	-73.66	-62	OFF
					-69.86	4.3	0	-74.16	-62	Minimal
					-77.7	4.3	0	-82	-62	ON

Notes:

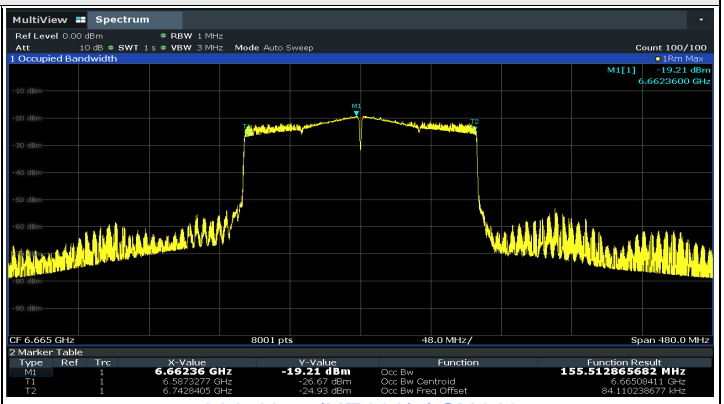
1. After investigation (consider antenna gain and path loss) , the one representative port (Chain 1) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

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	6595	v	v	v	v	v	v	x	v	v	v	90%	90%	Pass
	160	6590	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6665	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6740	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

Plots of EUT Tx waveform

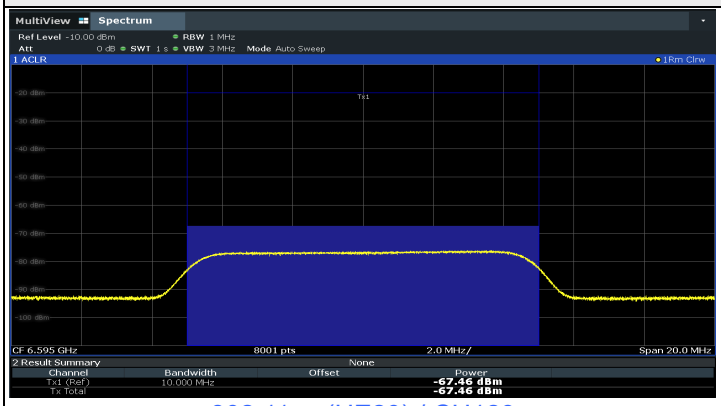


802.11ax (HE20) / CH129

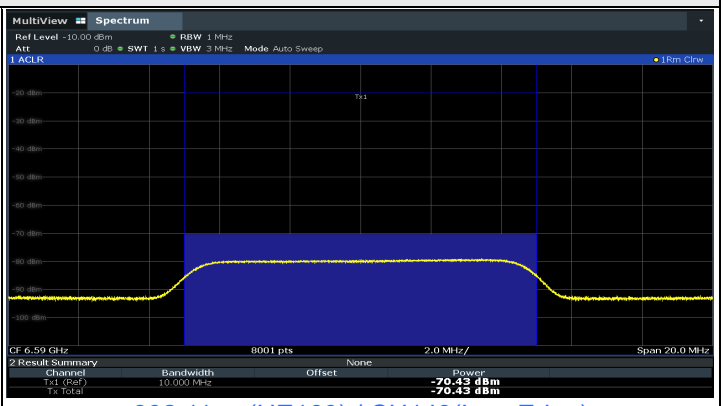


802.11ax (HE160) / CH143

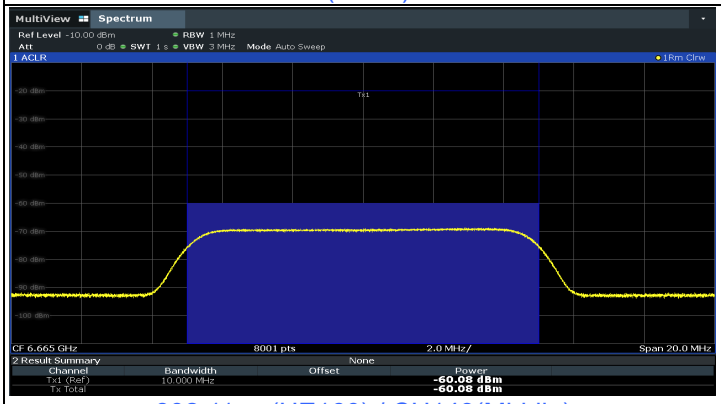
Plots of Injected signal (AWGN) level



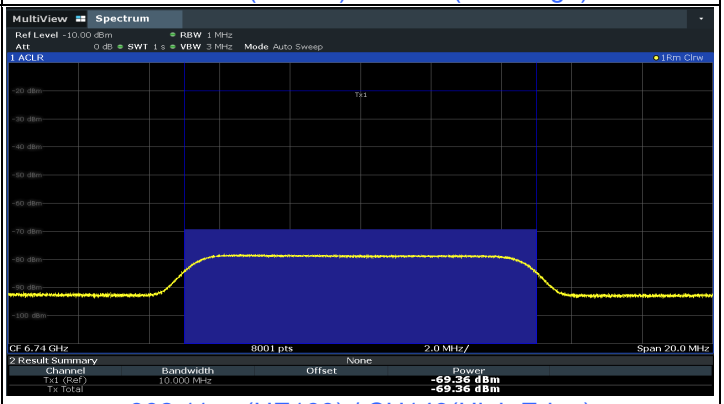
802.11ax (HE20) / CH129



802.11ax (HE160) / CH143(Low Edge)

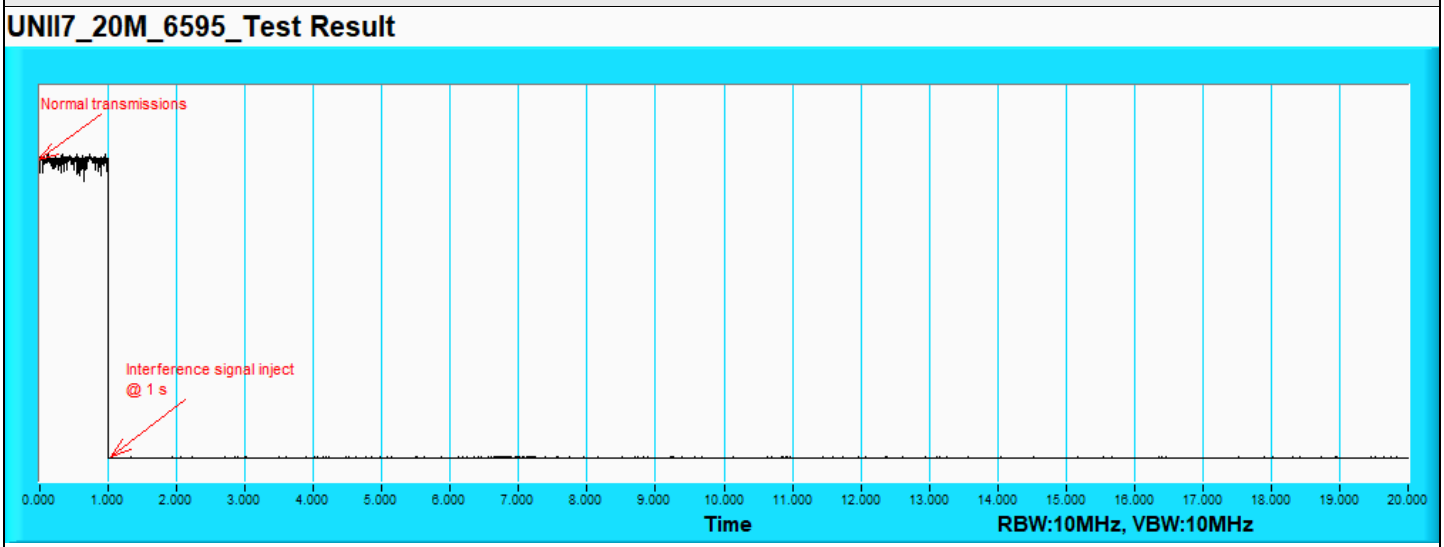


802.11ax (HE160) / CH143(Middle)



802.11ax (HE160) / CH143(High Edge)

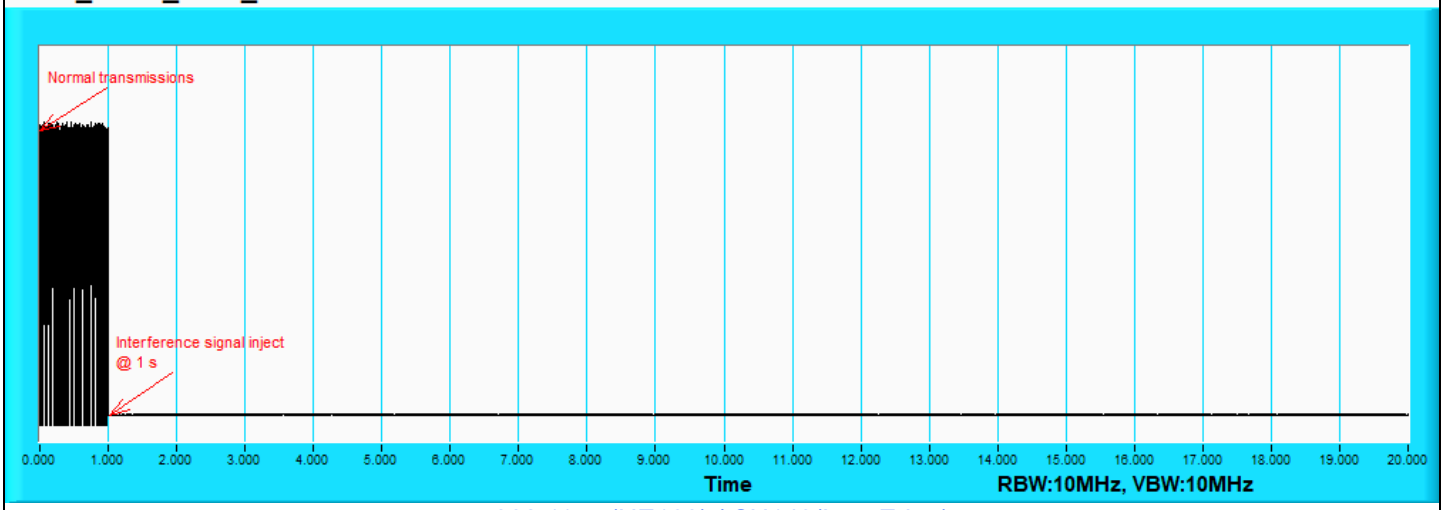
Plots of EUT ceased transmission in the time domain



802.11ax (HE20) / CH129

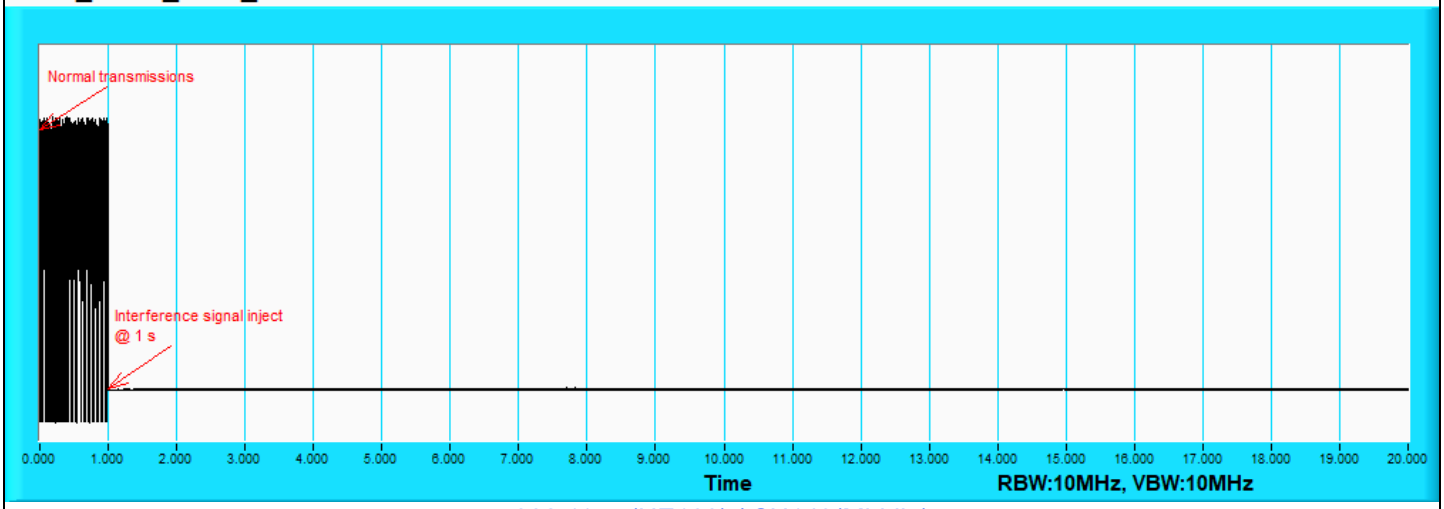
Plots of EUT ceased transmission in the time domain

UNII7_160M_6590_Test Result



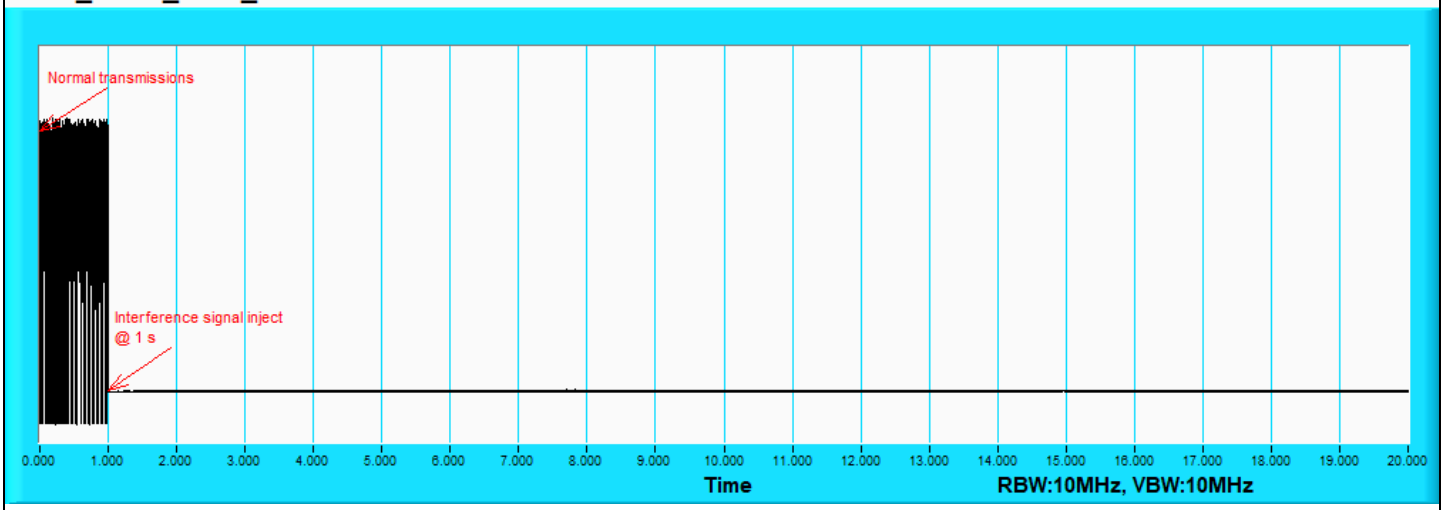
802.11ax (HE160) / CH143(Low Edge)

UNII7_160M_6665_Test Result



802.11ax (HE160) / CH143(Middle)

UNII7_160M_6740_Test Result



802.11ax (HE160) / CH143(High Edge)

For U-NII-8

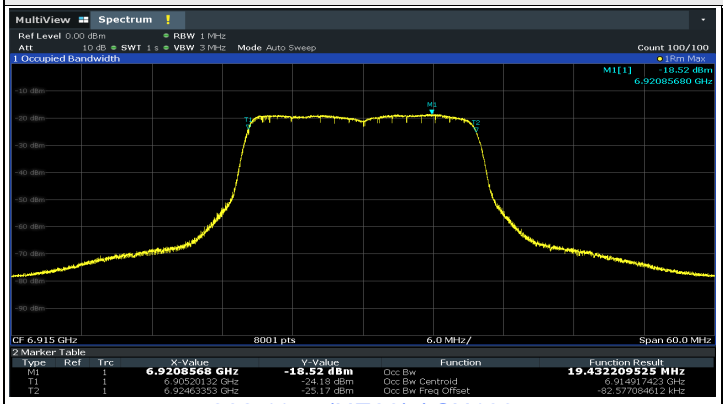
Contention Based Protocol Measurement										
Operation Mode	Channel Bandwidth (MHz)	Channel Number	Channel Freq. (MHz)	Injected Signal (AWGN)		Antenna Gain (dBi)	Path Loss (dB) (Note 3)	Adjusted Power (dBm)	Detection Limit	EUT TX Status
				Freq. (MHz)	Power (dBm)					
802.11ax	20	193	6915	6915	-65.14	4.3	0	-69.44	-62	OFF
					-65.64	4.3	0	-69.94	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
	160	207	6985	6910	-67.04	4.3	0	-71.34	-62	OFF
					-67.54	4.3	0	-71.84	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				6985	-59.48	4.3	0	-63.78	-62	OFF
					-59.98	4.3	0	-64.28	-62	Minimal
					-77.7	4.3	0	-82	-62	ON
				7060	-70.05	4.3	0	-74.35	-62	OFF
					-70.55	4.3	0	-74.85	-62	Minimal
					-77.7	4.3	0	-82	-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.

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	6915	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
	160	6910	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		6985	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass
		7060	v	v	v	v	v	v	v	v	v	v	100%	90%	Pass

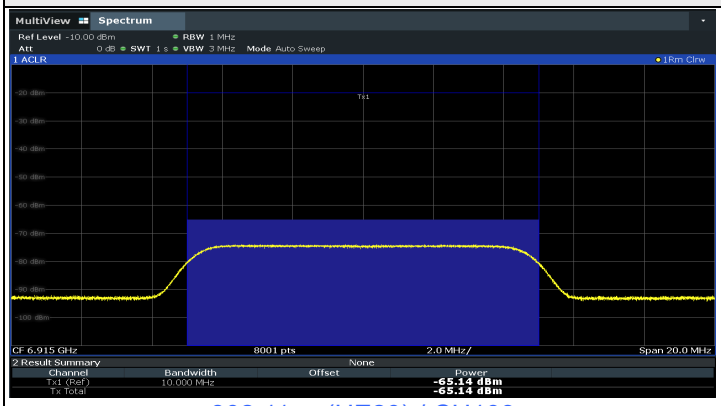
Plots of EUT Tx waveform



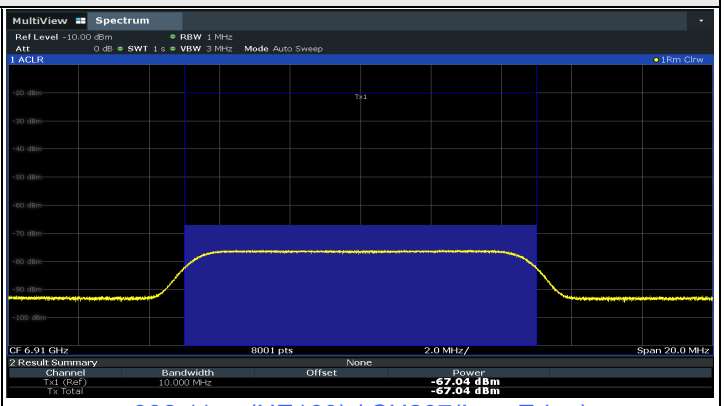
802.11ax (HE20) / CH193

802.11ax (HE160) / CH207

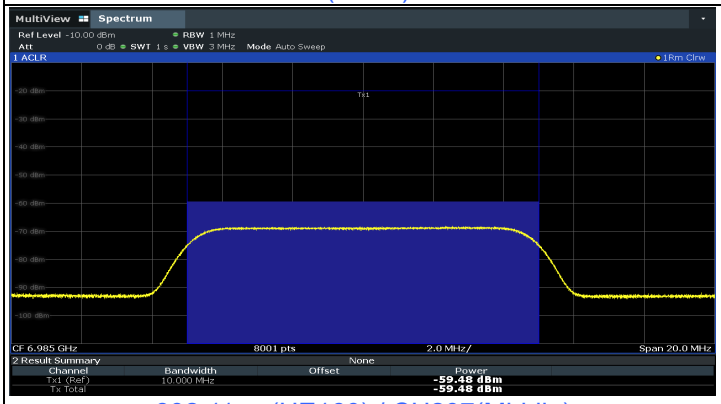
Plots of Injected signal (AWGN) level



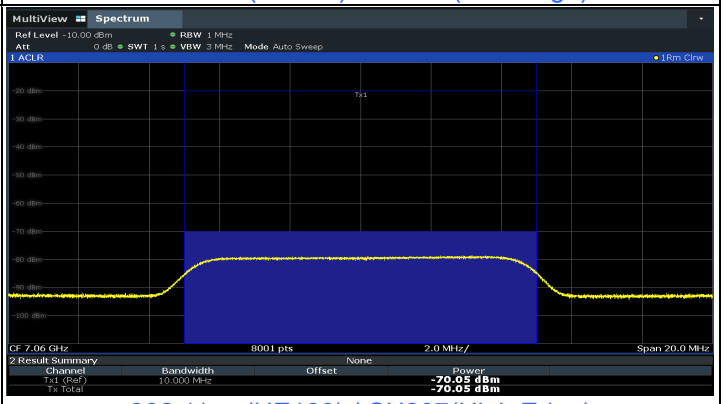
802.11ax (HE20) / CH193



802.11ax (HE160) / CH207(Low Edge)

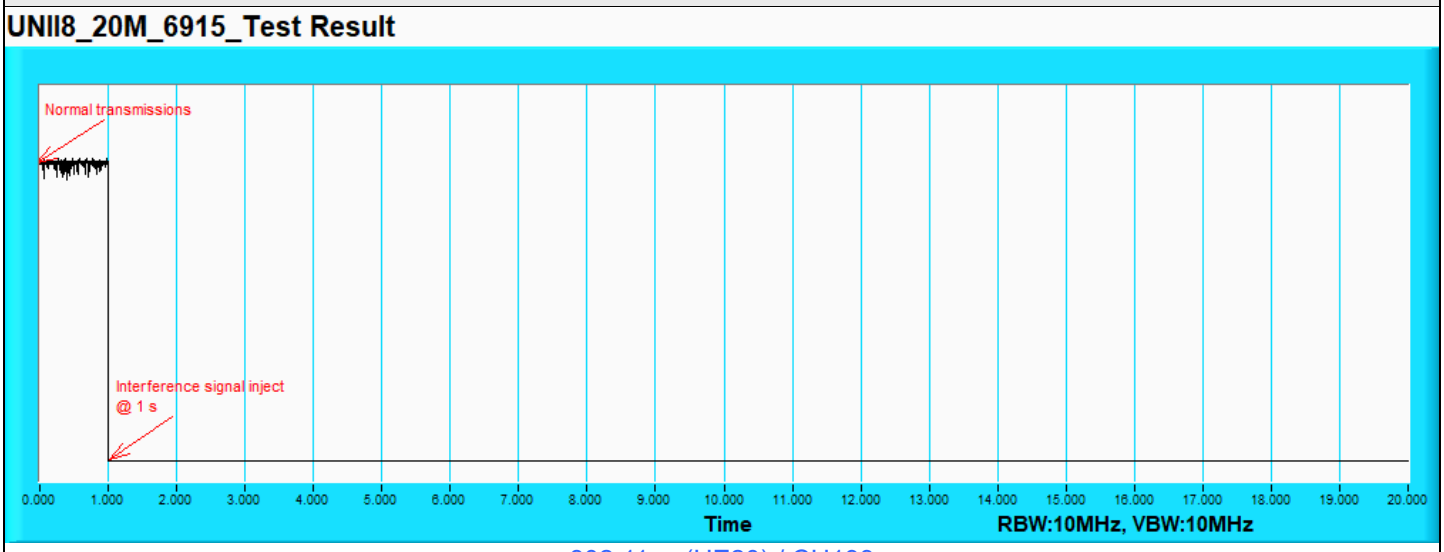


802.11ax (HE160) / CH207(Middle)



802.11ax (HE160) / CH207(High Edge)

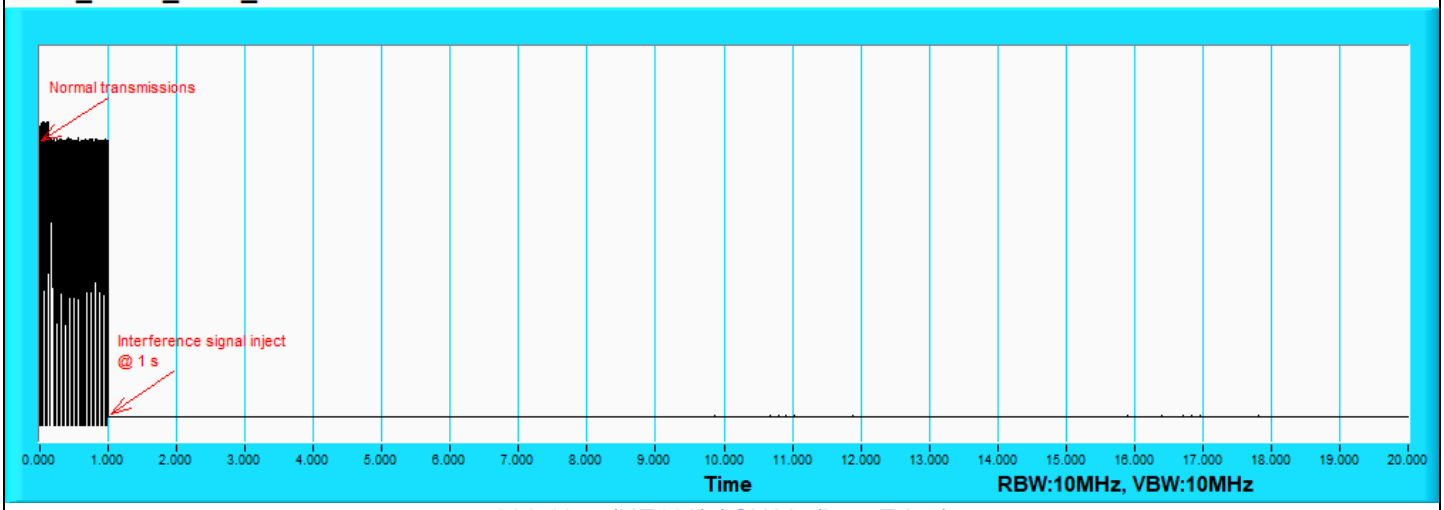
Plots of EUT ceased transmission in the time domain



802.11ax (HE20) / CH193

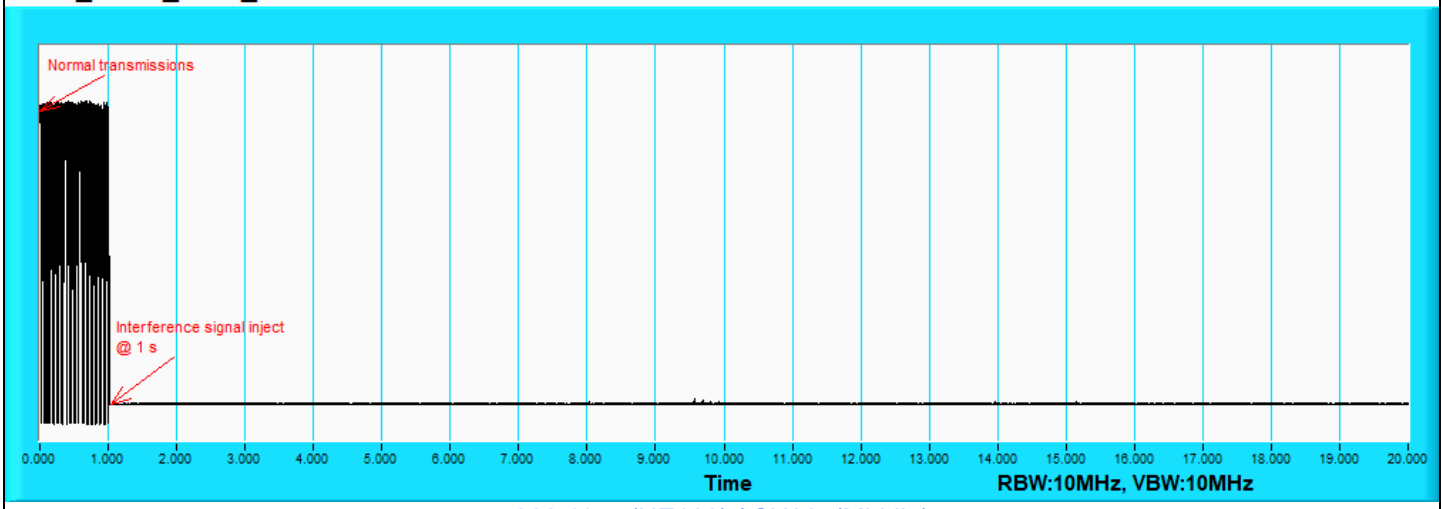
Plots of EUT ceased transmission in the time domain

UNII8_160M_6910_Test Result



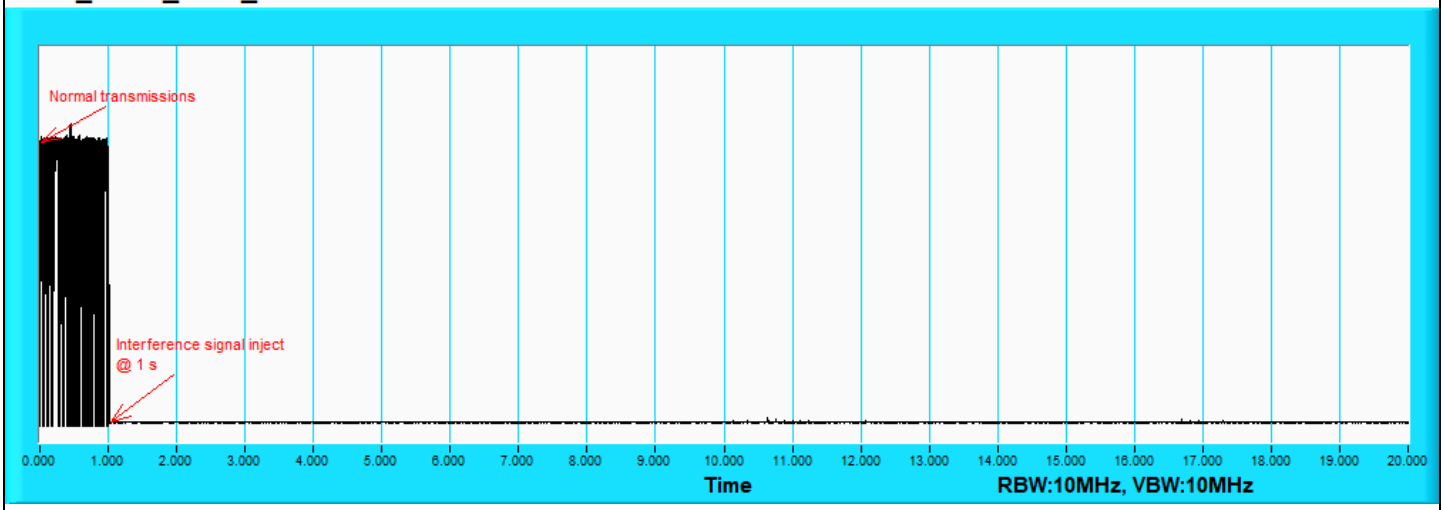
802.11ax (HE160) / CH207(Low Edge)

UNII8_160M_6985_Test Result



802.11ax (HE160) / CH207(Middle)

UNII8_160M_7060_Test Result



802.11ax (HE160) / CH207(High Edge)

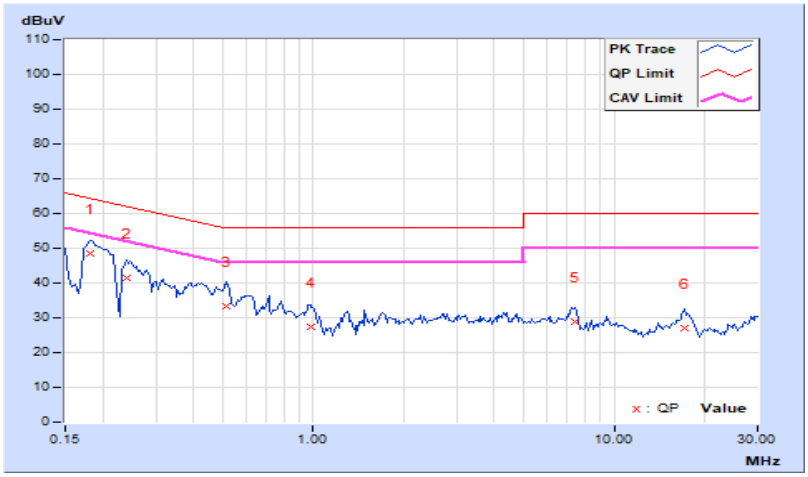
7.8 AC Power Conducted Emissions

RF Mode	802.11ax (HE160)	**Channel**	CH 175：6825 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

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	**0.18125**	**9.93**	**38.47**	**14.55**	**48.40**	**24.48**	**64.43**	**54.43**	**-16.03**	**-29.95**
2	0.23984	9.93	31.72	11.76	41.65	21.69	62.10	52.10	-20.45	-30.41
3	0.51328	9.95	23.52	16.27	33.47	26.22	56.00	46.00	-22.53	-19.78
4	0.97813	9.97	17.51	9.51	27.48	19.48	56.00	46.00	-28.52	-26.52
5	7.37500	10.30	18.63	13.18	28.93	23.48	60.00	50.00	-31.07	-26.52
6	17.12109	10.94	15.94	11.71	26.88	22.65	60.00	50.00	-33.12	-27.35

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

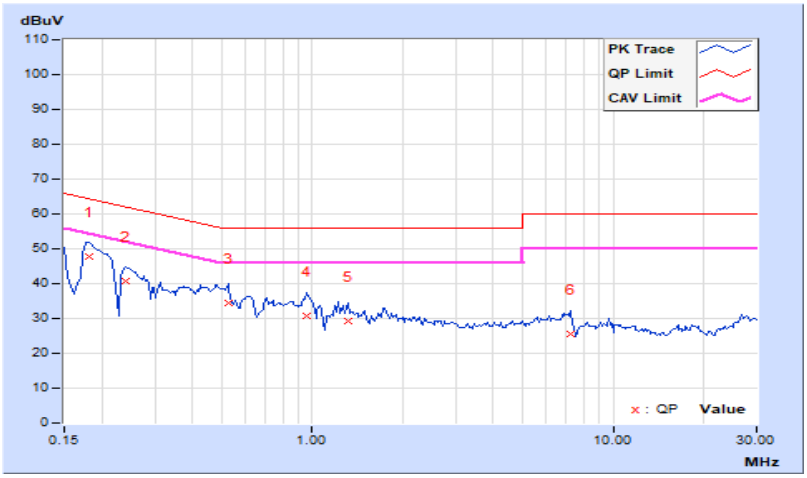


RF Mode	802.11ax (HE160)	**Channel**	CH 175：6825 MHz
Frequency Range	150 kHz ~ 30 MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

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	0.18125	9.99	37.67	13.49	47.66	23.48	64.43	54.43	-16.77	-30.95
2	0.23984	9.99	30.65	10.23	40.64	20.22	62.10	52.10	-21.46	-31.88
3	0.52500	10.00	24.36	14.38	34.36	24.38	56.00	46.00	-21.64	-21.62
4	0.96250	10.02	20.73	9.85	30.75	19.87	56.00	46.00	-25.25	-26.13
5	1.31641	10.03	19.22	8.50	29.25	18.53	56.00	46.00	-26.75	-27.47
6	7.19922	10.28	15.12	9.28	25.40	19.56	60.00	50.00	-34.60	-30.44

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



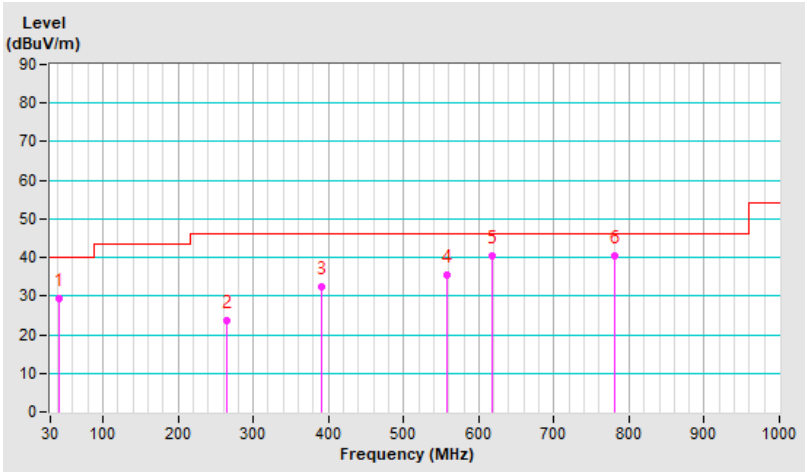
7.9 Unwanted Emissions below 1 GHz

RF Mode	802.11ax (HE160)	**Channel**	CH 175：6825 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	42.02	29.5 QP	40.0	-10.5	1.00 H	221	37.7	-8.2
2	264.55	23.5 QP	46.0	-22.5	1.00 H	356	31.9	-8.4
3	390.16	32.4 QP	46.0	-13.6	1.50 H	14	37.4	-5.0
4	556.85	35.3 QP	46.0	-10.7	1.50 H	4	36.6	-1.3
5	**618.23**	**40.4 QP**	**46.0**	**-5.6**	**2.00 H**	**351**	**40.0**	**0.4**
6	780.74	40.3 QP	46.0	-5.7	2.50 H	355	37.0	3.3

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 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.

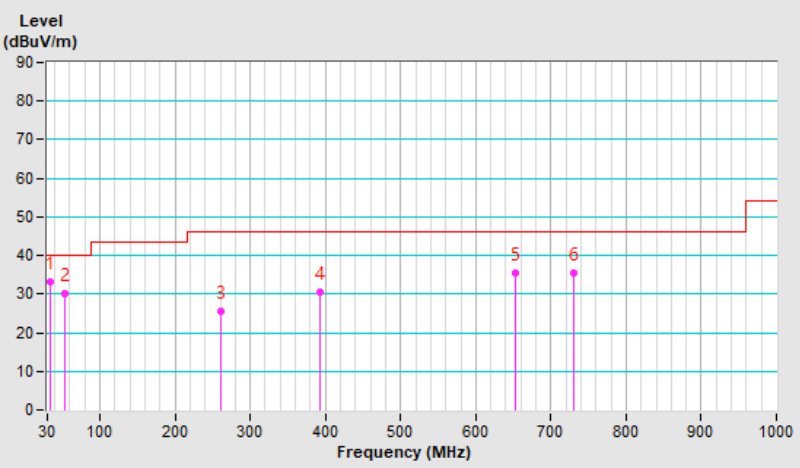


RF Mode	802.11ax (HE160)	Channel	CH 175：6825 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22°C, 72% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.59	33.1 QP	40.0	-6.9	1.00 V	95	42.0	-8.9
2	53.81	30.2 QP	40.0	-9.8	1.50 V	24	38.4	-8.2
3	260.28	25.4 QP	46.0	-20.6	1.50 V	281	34.1	-8.7
4	392.26	30.4 QP	46.0	-15.6	2.00 V	355	35.4	-5.0
5	653.46	35.6 QP	46.0	-10.4	2.00 V	67	34.6	1.0
6	730.34	35.4 QP	46.0	-10.6	2.50 V	358	33.1	2.3

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 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.



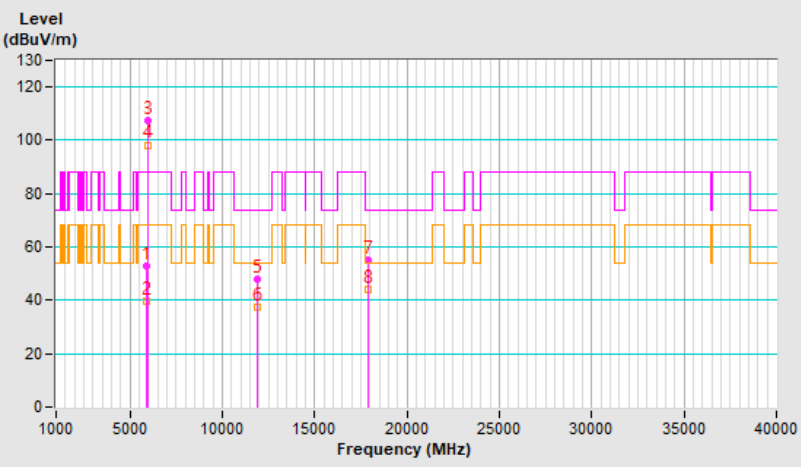
7.10 Unwanted Emissions above 1 GHz

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 (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5925.00	53.0 PK	88.2	-35.2	1.13 H	299	49.3	3.7
2	#5925.00	39.6 AV	68.2	-28.6	1.13 H	299	35.9	3.7
3	*5955.00	107.6 PK			1.13 H	299	103.9	3.7
4	*5955.00	98.3 AV			1.13 H	299	94.6	3.7
5	11910.00	48.1 PK	74.0	-25.9	2.87 H	43	36.6	11.5
6	11910.00	37.5 AV	54.0	-16.5	2.87 H	43	26.0	11.5
7	17865.00	55.3 PK	74.0	-18.7	1.42 H	320	34.3	21.0
8	17865.00	44.0 AV	54.0	-10.0	1.42 H	320	23.0	21.0

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.

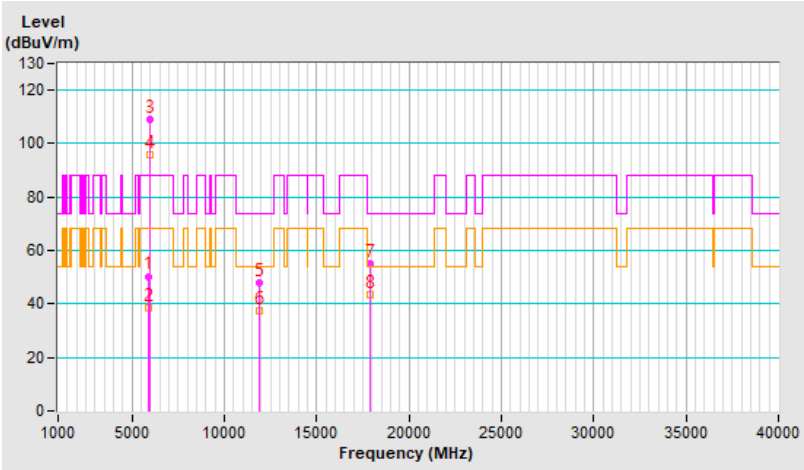


RF Mode	802.11ax (HE20)	**Channel**	CH 1：5955 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5925.00	50.4 PK	88.2	-37.8	2.85 V	30	46.7	3.7
2	#5925.00	38.3 AV	68.2	-29.9	2.85 V	30	34.6	3.7
3	*5955.00	109.3 PK			2.85 V	30	105.6	3.7
4	*5955.00	95.6 AV			2.85 V	30	91.9	3.7
5	11910.00	48.1 PK	74.0	-25.9	2.82 V	41	36.6	11.5
6	11910.00	37.2 AV	54.0	-16.8	2.82 V	41	25.7	11.5
7	17865.00	55.1 PK	74.0	-18.9	1.39 V	322	34.1	21.0
8	17865.00	43.5 AV	54.0	-10.5	1.39 V	322	22.5	21.0

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.

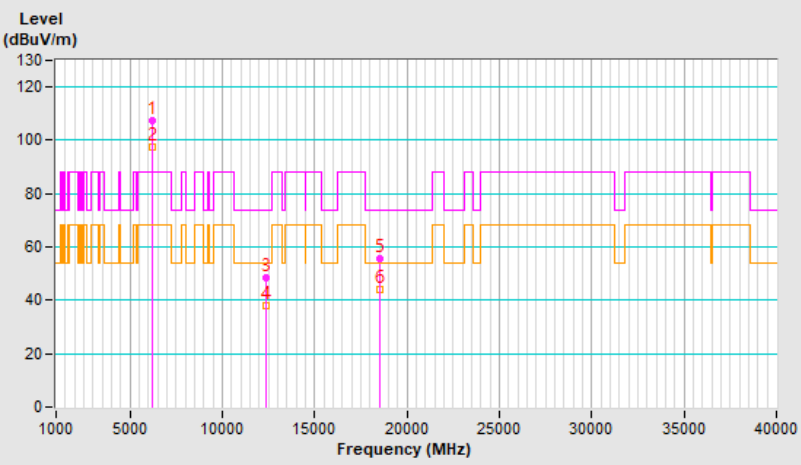


RF Mode	802.11ax (HE20)	**Channel**	CH 45：6175 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6175.00	107.1 PK			2.31 H	78	103.1	4.0
2	*6175.00	97.4 AV			2.31 H	78	93.4	4.0
3	12350.00	48.5 PK	74.0	-25.5	2.86 H	44	37.0	11.5
4	12350.00	37.8 AV	54.0	-16.2	2.86 H	44	26.3	11.5
5	18525.00	55.6 PK	74.0	-18.4	1.43 H	328	58.4	-2.8
6	18525.00	44.2 AV	54.0	-9.8	1.43 H	328	47.0	-2.8

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.

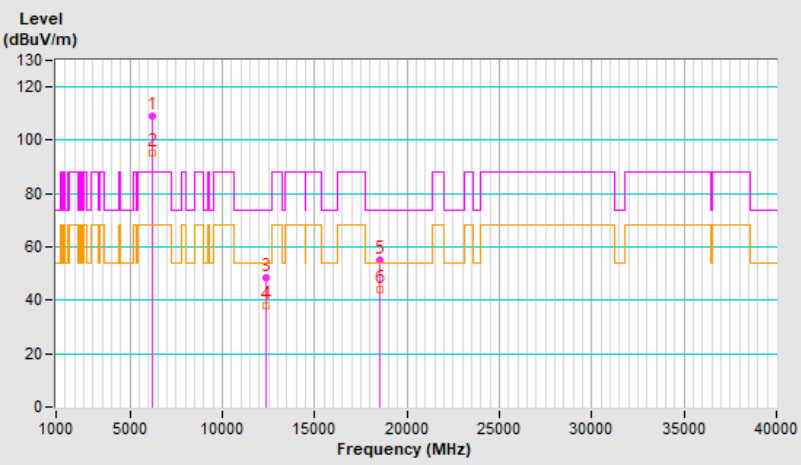


RF Mode	802.11ax (HE20)	**Channel**	CH 45：6175 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6175.00	109.3 PK			2.77 V	35	105.3	4.0
2	*6175.00	95.3 AV			2.77 V	35	91.3	4.0
3	12350.00	48.4 PK	74.0	-25.6	2.88 V	35	36.9	11.5
4	12350.00	37.8 AV	54.0	-16.2	2.88 V	35	26.3	11.5
5	18525.00	55.3 PK	74.0	-18.7	1.43 V	310	58.1	-2.8
6	18525.00	43.9 AV	54.0	-10.1	1.43 V	310	46.7	-2.8

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.

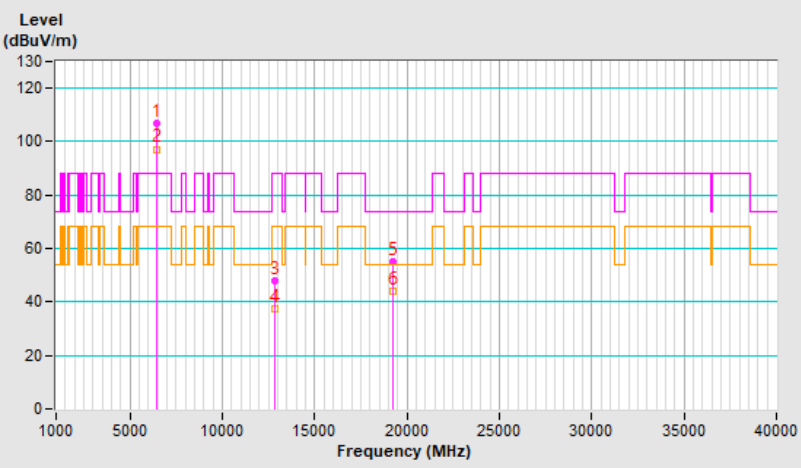


RF Mode	802.11ax (HE20)	Channel	CH 93：6415 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6415.00	107.0 PK			2.27 H	64	102.0	5.0
2	*6415.00	97.2 AV			2.27 H	64	92.2	5.0
3	#12830.00	47.9 PK	88.2	-40.3	2.86 H	52	36.0	11.9
4	#12830.00	37.4 AV	68.2	-30.8	2.86 H	52	25.5	11.9
5	19245.00	55.0 PK	74.0	-19.0	1.38 H	328	56.8	-1.8
6	19245.00	44.0 AV	54.0	-10.0	1.38 H	328	45.8	-1.8

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.

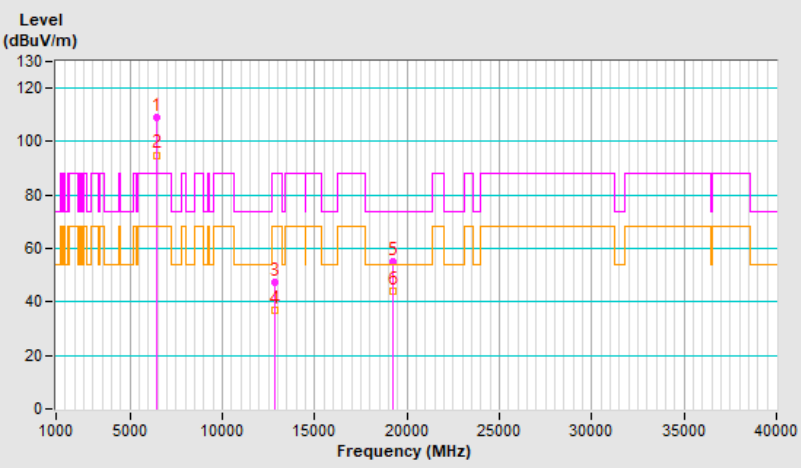


RF Mode	802.11ax (HE20)	**Channel**	CH 93：6415 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6415.00	109.2 PK			2.74 V	29	104.2	5.0
2	*6415.00	95.0 AV			2.74 V	29	90.0	5.0
3	#12830.00	47.6 PK	88.2	-40.6	2.87 V	31	35.7	11.9
4	#12830.00	37.0 AV	68.2	-31.2	2.87 V	31	25.1	11.9
5	19245.00	55.3 PK	74.0	-18.7	1.47 V	310	57.1	-1.8
6	19245.00	44.1 AV	54.0	-9.9	1.47 V	310	45.9	-1.8

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.

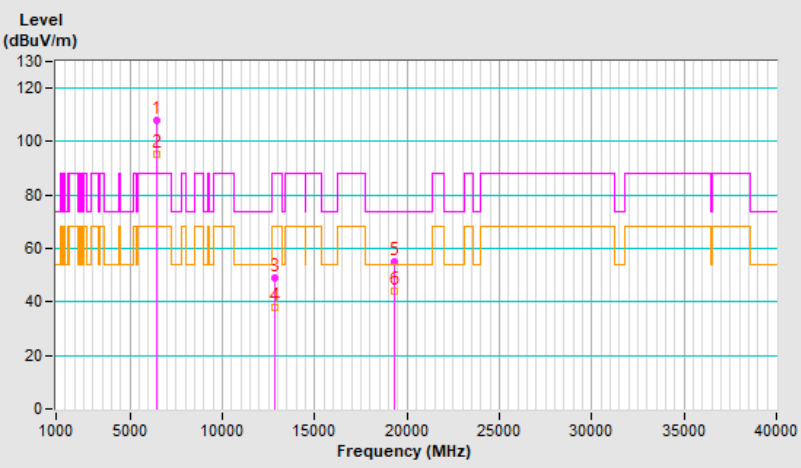


RF Mode	802.11ax (HE20)	Channel	CH 97：6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	107.9 PK			2.32 H	64	102.7	5.2
2	*6435.00	95.3 AV			2.32 H	64	90.1	5.2
3	#12870.00	48.9 PK	88.2	-39.3	2.83 H	37	37.0	11.9
4	#12870.00	38.0 AV	68.2	-30.2	2.83 H	37	26.1	11.9
5	19305.00	55.0 PK	74.0	-19.0	1.40 H	311	56.7	-1.7
6	19305.00	44.0 AV	54.0	-10.0	1.40 H	311	45.7	-1.7

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.

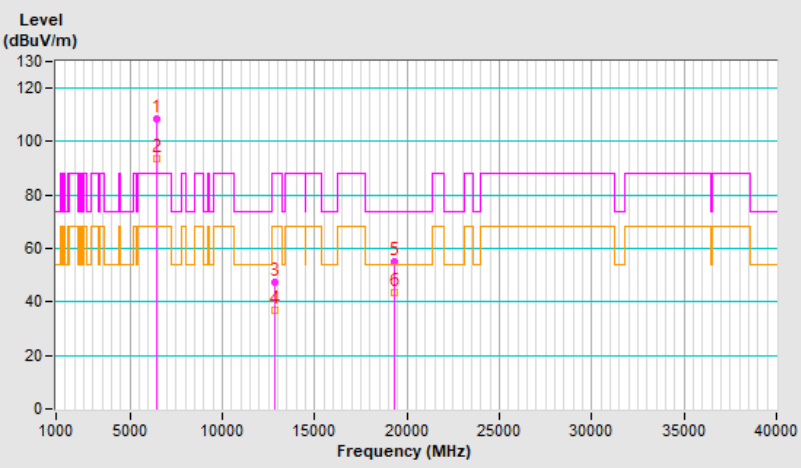


RF Mode	802.11ax (HE20)	Channel	CH 97：6435 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6435.00	108.5 PK			2.73 V	20	103.3	5.2
2	*6435.00	93.4 AV			2.73 V	20	88.2	5.2
3	#12870.00	47.6 PK	88.2	-40.6	2.88 V	37	35.7	11.9
4	#12870.00	37.0 AV	68.2	-31.2	2.88 V	37	25.1	11.9
5	19305.00	55.1 PK	74.0	-18.9	1.40 V	332	56.8	-1.7
6	19305.00	43.7 AV	54.0	-10.3	1.40 V	332	45.4	-1.7

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.

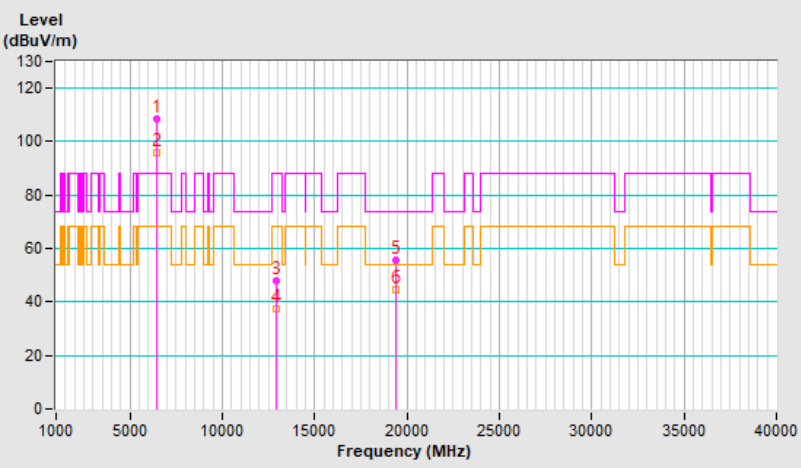


RF Mode	802.11ax (HE20)	**Channel**	CH 105：6475 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6475.00	108.4 PK			2.00 H	72	102.8	5.6
2	*6475.00	95.7 AV			2.00 H	72	90.1	5.6
3	#12950.00	48.0 PK	88.2	-40.2	2.91 H	45	35.9	12.1
4	#12950.00	37.5 AV	68.2	-30.7	2.91 H	45	25.4	12.1
5	19425.00	55.5 PK	74.0	-18.5	1.43 H	333	57.6	-2.1
6	**19425.00**	**44.4 AV**	**54.0**	**-9.6**	**1.43 H**	**333**	**46.5**	**-2.1**

Remarks:

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

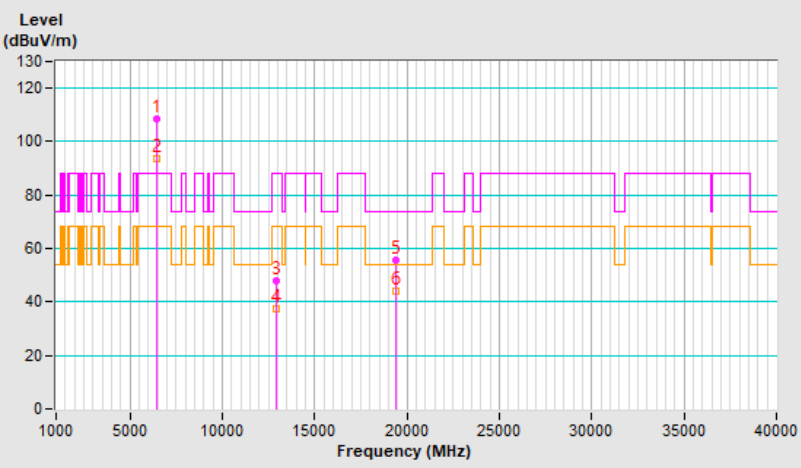


RF Mode	802.11ax (HE20)	Channel	CH 105：6475 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6475.00	108.6 PK			2.67 V	29	103.0	5.6
2	*6475.00	93.6 AV			2.67 V	29	88.0	5.6
3	#12950.00	47.7 PK	88.2	-40.5	2.84 V	33	35.6	12.1
4	#12950.00	37.2 AV	68.2	-31.0	2.84 V	33	25.1	12.1
5	19425.00	55.7 PK	74.0	-18.3	1.41 V	321	57.8	-2.1
6	19425.00	44.2 AV	54.0	-9.8	1.41 V	321	46.3	-2.1

Remarks:

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

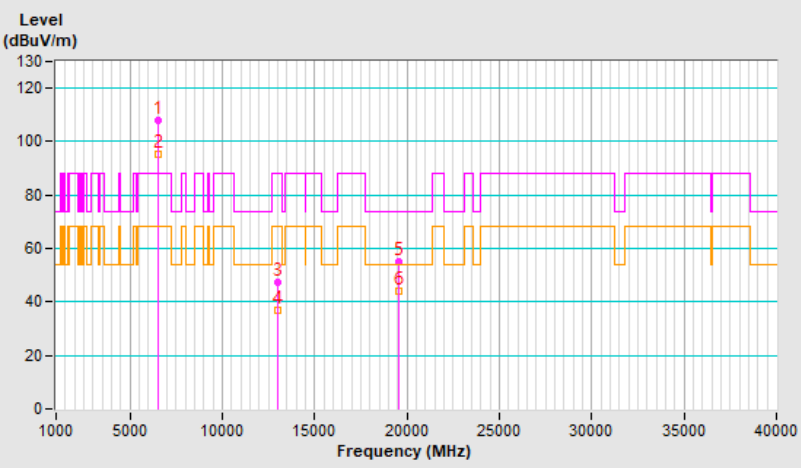


RF Mode	802.11ax (HE20)	**Channel**	CH 113：6515 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6515.00	108.0 PK			2.01 H	67	102.1	5.9
2	*6515.00	95.2 AV			2.01 H	67	89.3	5.9
3	#13030.00	47.6 PK	88.2	-40.6	2.85 H	39	35.5	12.1
4	#13030.00	37.1 AV	68.2	-31.1	2.85 H	39	25.0	12.1
5	19545.00	55.2 PK	74.0	-18.8	1.38 H	323	57.4	-2.2
6	19545.00	44.1 AV	54.0	-9.9	1.38 H	323	46.3	-2.2

Remarks:

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

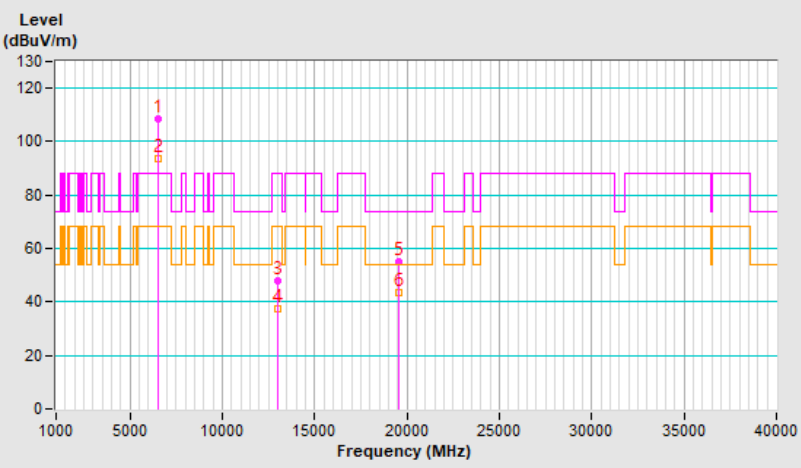


RF Mode	802.11ax (HE20)	Channel	CH 113：6515 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6515.00	108.5 PK			2.63 V	33	102.6	5.9
2	*6515.00	93.7 AV			2.63 V	33	87.8	5.9
3	#13030.00	48.1 PK	88.2	-40.1	2.82 V	41	36.0	12.1
4	#13030.00	37.2 AV	68.2	-31.0	2.82 V	41	25.1	12.1
5	19545.00	55.2 PK	74.0	-18.8	1.46 V	325	57.4	-2.2
6	19545.00	43.7 AV	54.0	-10.3	1.46 V	325	45.9	-2.2

Remarks:

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

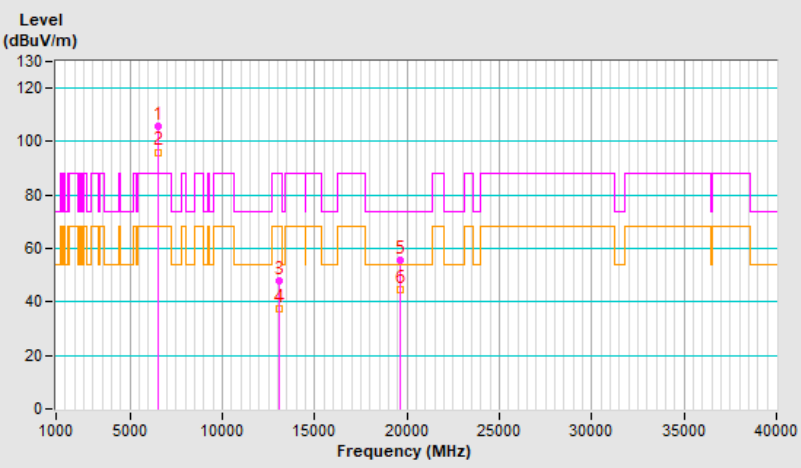


RF Mode	802.11ax (HE20)	Channel	CH 117：6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	105.6 PK			2.00 H	63	99.5	6.1
2	*6535.00	96.1 AV			2.00 H	63	90.0	6.1
3	#13070.00	47.7 PK	88.2	-40.5	2.90 H	29	35.6	12.1
4	#13070.00	37.2 AV	68.2	-31.0	2.90 H	29	25.1	12.1
5	19605.00	55.6 PK	74.0	-18.4	1.37 H	304	58.1	-2.5
6	**19605.00**	**44.4 AV**	**54.0**	**-9.6**	**1.37 H**	**304**	**46.9**	**-2.5**

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.

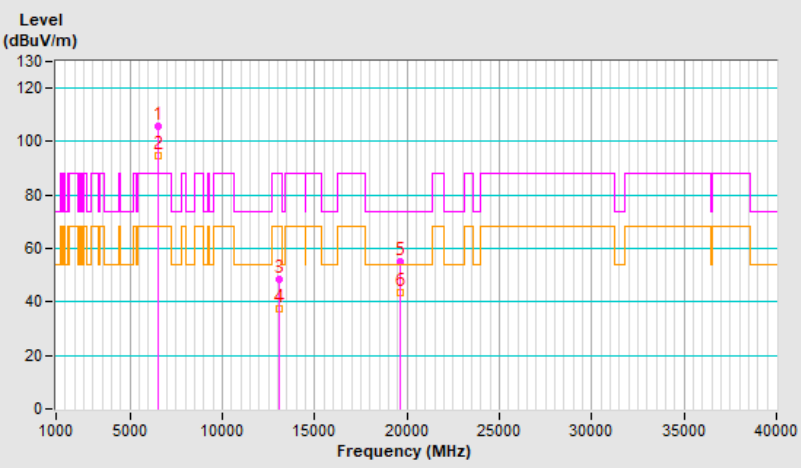


RF Mode	802.11ax (HE20)	Channel	CH 117：6535 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6535.00	105.5 PK			2.61 V	44	99.4	6.1
2	*6535.00	94.7 AV			2.61 V	44	88.6	6.1
3	#13070.00	48.2 PK	88.2	-40.0	2.83 V	42	36.1	12.1
4	#13070.00	37.4 AV	68.2	-30.8	2.83 V	42	25.3	12.1
5	19605.00	54.9 PK	74.0	-19.1	1.36 V	321	57.4	-2.5
6	19605.00	43.7 AV	54.0	-10.3	1.36 V	321	46.2	-2.5

Remarks:

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

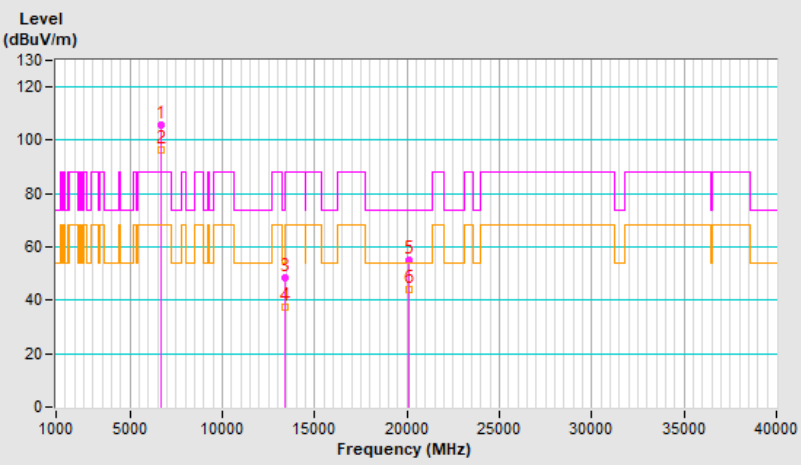


RF Mode	802.11ax (HE20)	Channel	CH 149：6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	105.7 PK			2.01 H	57	99.7	6.0
2	*6695.00	96.4 AV			2.01 H	57	90.4	6.0
3	13390.00	48.2 PK	74.0	-25.8	2.87 H	30	34.9	13.3
4	13390.00	37.3 AV	54.0	-16.7	2.87 H	30	24.0	13.3
5	20085.00	55.2 PK	74.0	-18.8	1.43 H	326	57.6	-2.4
6	20085.00	44.1 AV	54.0	-9.9	1.43 H	326	46.5	-2.4

Remarks:

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

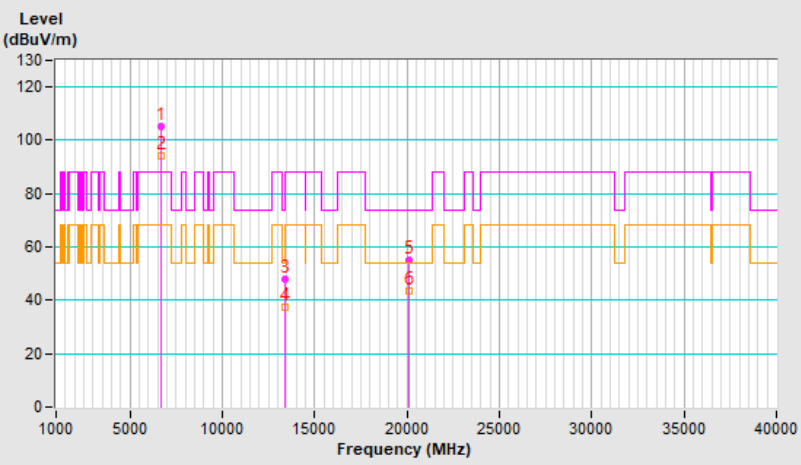


RF Mode	802.11ax (HE20)	Channel	CH 149：6695 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6695.00	105.1 PK			2.66 V	45	99.1	6.0
2	*6695.00	94.4 AV			2.66 V	45	88.4	6.0
3	13390.00	47.8 PK	74.0	-26.2	2.83 V	37	34.5	13.3
4	13390.00	37.4 AV	54.0	-16.6	2.83 V	37	24.1	13.3
5	20085.00	54.9 PK	74.0	-19.1	1.42 V	325	57.3	-2.4
6	20085.00	43.7 AV	54.0	-10.3	1.42 V	325	46.1	-2.4

Remarks:

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

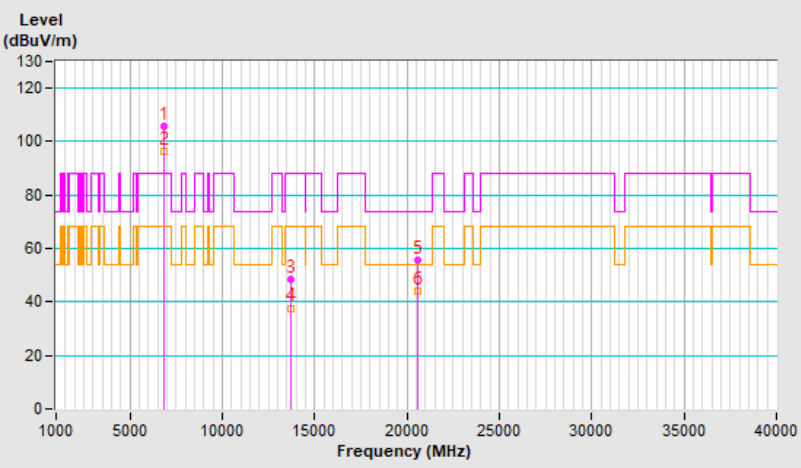


RF Mode	802.11ax (HE20)	Channel	CH 181：6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	105.6 PK			2.05 H	57	99.1	6.5
2	*6855.00	96.2 AV			2.05 H	57	89.7	6.5
3	#13710.00	48.3 PK	88.2	-39.9	2.84 H	56	33.9	14.4
4	#13710.00	37.7 AV	68.2	-30.5	2.84 H	56	23.3	14.4
5	20565.00	55.4 PK	74.0	-18.6	1.38 H	309	56.7	-1.3
6	20565.00	43.9 AV	54.0	-10.1	1.38 H	309	45.2	-1.3

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.

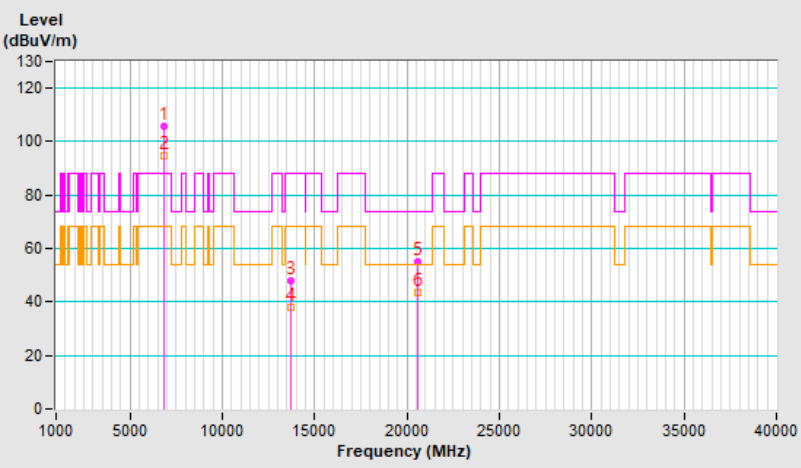


RF Mode	802.11ax (HE20)	Channel	CH 181：6855 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6855.00	105.8 PK			2.64 V	47	99.3	6.5
2	*6855.00	94.9 AV			2.64 V	47	88.4	6.5
3	#13710.00	48.1 PK	88.2	-40.1	2.83 V	46	33.7	14.4
4	#13710.00	37.8 AV	68.2	-30.4	2.83 V	46	23.4	14.4
5	20565.00	55.0 PK	74.0	-19.0	1.42 V	304	56.3	-1.3
6	20565.00	43.6 AV	54.0	-10.4	1.42 V	304	44.9	-1.3

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.

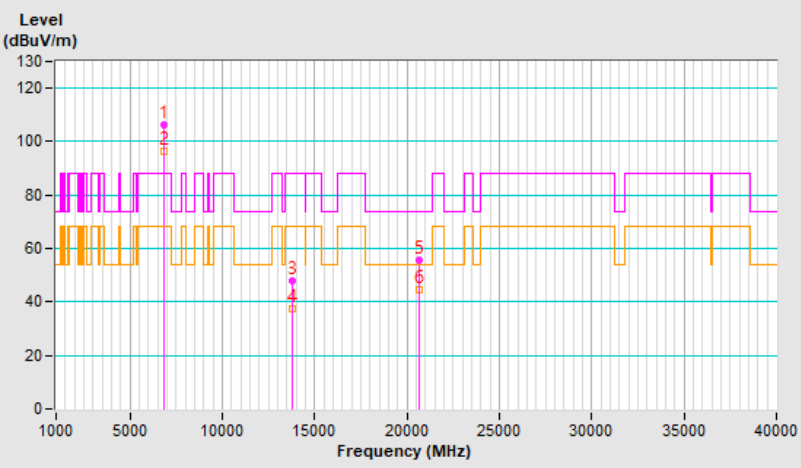


RF Mode	802.11ax (HE20)	Channel	CH 185：6875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	106.1 PK			2.01 H	58	99.5	6.6
2	*6875.00	96.6 AV			2.01 H	58	90.0	6.6
3	#13750.00	47.8 PK	88.2	-40.4	2.92 H	58	33.4	14.4
4	#13750.00	37.2 AV	68.2	-31.0	2.92 H	58	22.8	14.4
5	20625.00	55.8 PK	74.0	-18.2	1.40 H	306	57.2	-1.4
6	**20625.00**	**44.4 AV**	**54.0**	**-9.6**	**1.40 H**	**306**	**45.8**	**-1.4**

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.

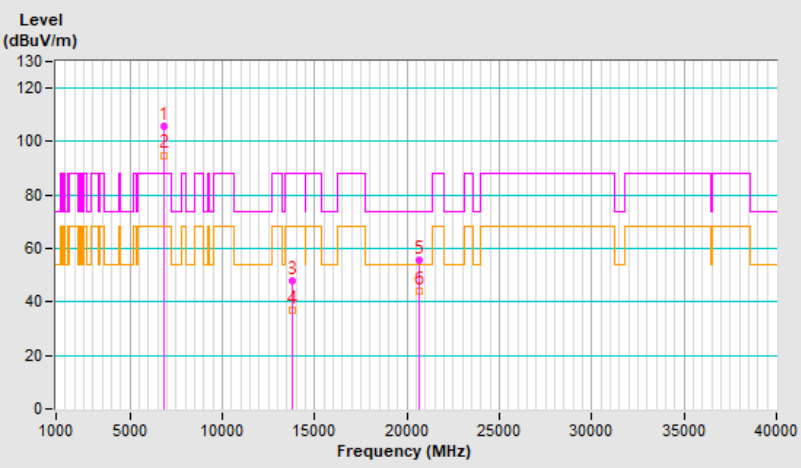


RF Mode	802.11ax (HE20)	Channel	CH 185：6875 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6875.00	105.9 PK			2.65 V	50	99.3	6.6
2	*6875.00	95.0 AV			2.65 V	50	88.4	6.6
3	#13750.00	47.9 PK	88.2	-40.3	2.90 V	59	33.5	14.4
4	#13750.00	37.1 AV	68.2	-31.1	2.90 V	59	22.7	14.4
5	20625.00	55.7 PK	74.0	-18.3	1.40 V	324	57.1	-1.4
6	20625.00	44.3 AV	54.0	-9.7	1.40 V	324	45.7	-1.4

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.

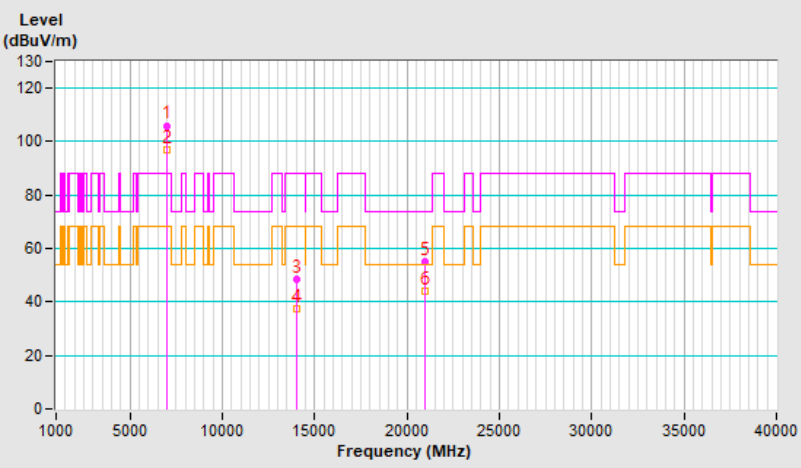


RF Mode	802.11ax (HE20)	Channel	CH 209：6995 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6995.00	106.0 PK			1.95 H	54	98.4	7.6
2	*6995.00	96.7 AV			1.95 H	54	89.1	7.6
3	#13990.00	48.2 PK	88.2	-40.0	2.88 H	27	33.4	14.8
4	#13990.00	37.3 AV	68.2	-30.9	2.88 H	27	22.5	14.8
5	20985.00	55.1 PK	74.0	-18.9	1.43 H	310	56.5	-1.4
6	20985.00	43.8 AV	54.0	-10.2	1.43 H	310	45.2	-1.4

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.

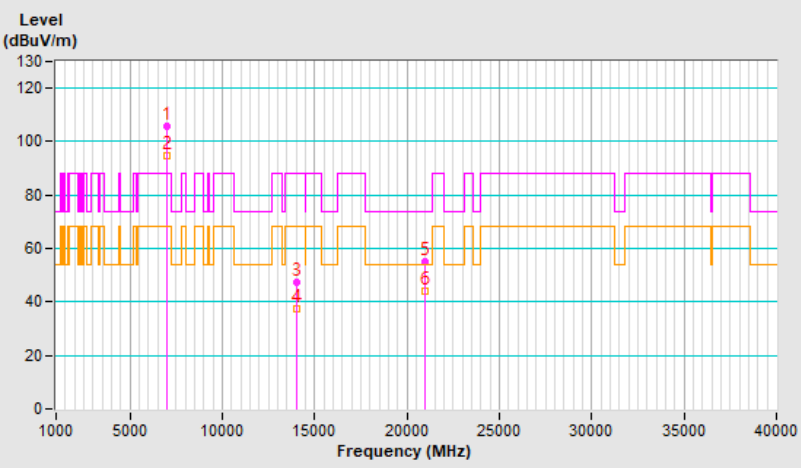


RF Mode	802.11ax (HE20)	Channel	CH 209：6995 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6995.00	105.7 PK			2.62 V	47	98.1	7.6
2	*6995.00	94.8 AV			2.62 V	47	87.2	7.6
3	#13990.00	47.6 PK	88.2	-40.6	2.88 V	59	32.8	14.8
4	#13990.00	37.3 AV	68.2	-30.9	2.88 V	59	22.5	14.8
5	20985.00	55.3 PK	74.0	-18.7	1.48 V	327	56.7	-1.4
6	20985.00	44.2 AV	54.0	-9.8	1.48 V	327	45.6	-1.4

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.

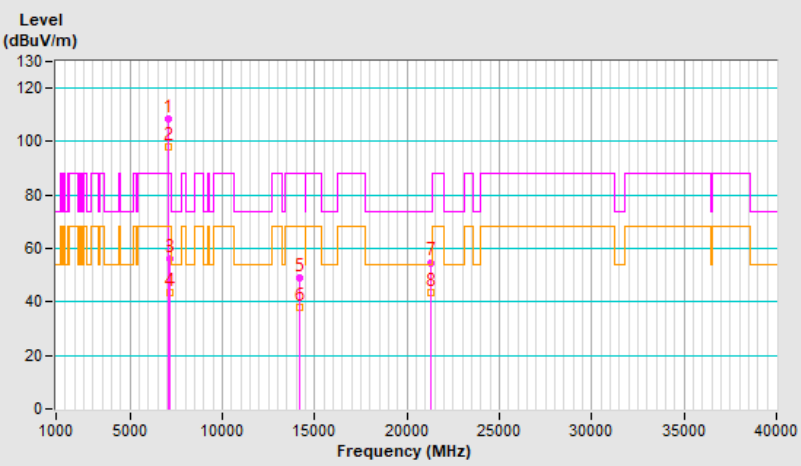


RF Mode	802.11ax (HE20)	**Channel**	CH 229：7095 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*7095.00	108.6 PK			1.50 H	42	100.9	7.7
2	*7095.00	97.8 AV			1.50 H	42	90.1	7.7
3	#7125.00	56.2 PK	88.2	-32.0	1.50 H	42	48.2	8.0
4	#7125.00	43.7 AV	68.2	-24.5	1.50 H	42	35.7	8.0
5	#14190.00	48.8 PK	88.2	-39.4	2.84 H	46	34.3	14.5
6	#14190.00	37.9 AV	68.2	-30.3	2.84 H	46	23.4	14.5
7	21285.00	54.8 PK	74.0	-19.2	1.41 H	316	55.7	-0.9
8	21285.00	43.7 AV	54.0	-10.3	1.41 H	316	44.6	-0.9

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.

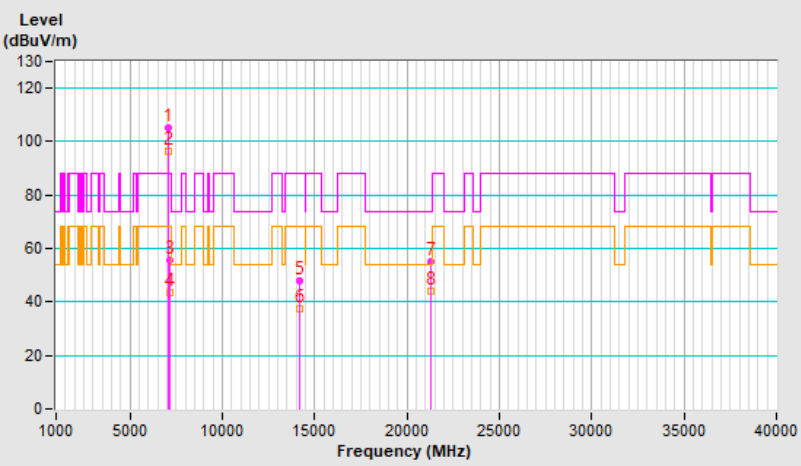


RF Mode	802.11ax (HE20)	Channel	CH 229：7095 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7095.00	105.4 PK			2.57 V	57	97.7	7.7
2	*7095.00	96.6 AV			2.57 V	57	88.9	7.7
3	#7125.00	55.4 PK	88.2	-32.8	2.57 V	57	47.4	8.0
4	#7125.00	43.7 AV	68.2	-24.5	2.57 V	57	35.7	8.0
5	#14190.00	48.1 PK	88.2	-40.1	2.84 V	28	33.6	14.5
6	#14190.00	37.5 AV	68.2	-30.7	2.84 V	28	23.0	14.5
7	21285.00	55.3 PK	74.0	-18.7	1.43 V	308	56.2	-0.9
8	21285.00	44.2 AV	54.0	-9.8	1.43 V	308	45.1	-0.9

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.

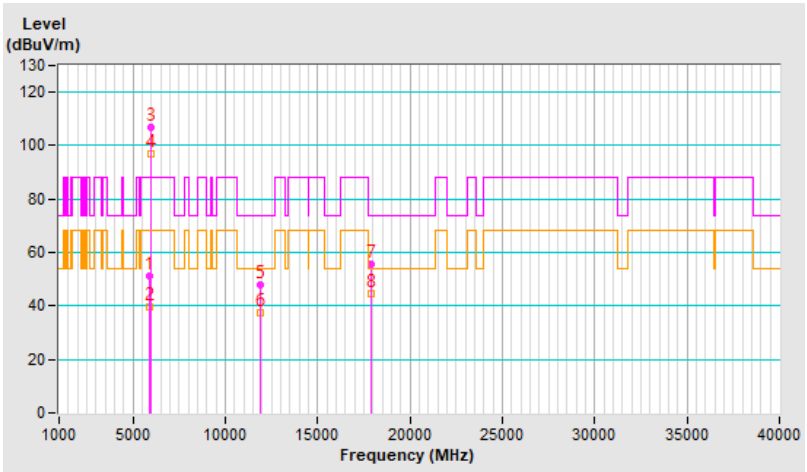


RF Mode	802.11ax (HE40)	Channel	CH 3：5965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	51.3 PK	88.2	-36.9	1.00 H	0	47.6	3.7
2	#5925.00	39.6 AV	68.2	-28.6	1.00 H	0	35.9	3.7
3	*5965.00	106.8 PK			2.52 H	306	103.2	3.6
4	*5965.00	97.0 AV			2.52 H	306	93.4	3.6
5	11930.00	48.0 PK	74.0	-26.0	2.87 H	42	36.6	11.4
6	11930.00	37.6 AV	54.0	-16.4	2.87 H	42	26.2	11.4
7	17895.00	55.4 PK	74.0	-18.6	1.38 H	316	33.9	21.5
8	**17895.00**	**44.4 AV**	**54.0**	**-9.6**	**1.38 H**	**316**	**22.9**	**21.5**

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.

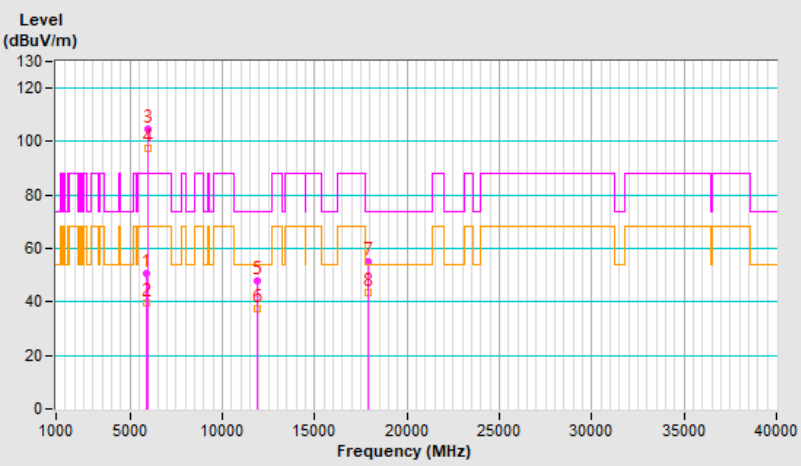


RF Mode	802.11ax (HE40)	Channel	CH 3：5965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	50.8 PK	88.2	-37.4	1.00 V	0	47.1	3.7
2	#5925.00	39.4 AV	68.2	-28.8	1.00 V	0	35.7	3.7
3	*5965.00	104.4 PK			2.85 V	29	100.8	3.6
4	*5965.00	97.5 AV			2.85 V	29	93.9	3.6
5	11930.00	47.7 PK	74.0	-26.3	2.85 V	41	36.3	11.4
6	11930.00	37.3 AV	54.0	-16.7	2.85 V	41	25.9	11.4
7	17895.00	55.1 PK	74.0	-18.9	1.47 V	305	33.6	21.5
8	17895.00	43.6 AV	54.0	-10.4	1.47 V	305	22.1	21.5

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.

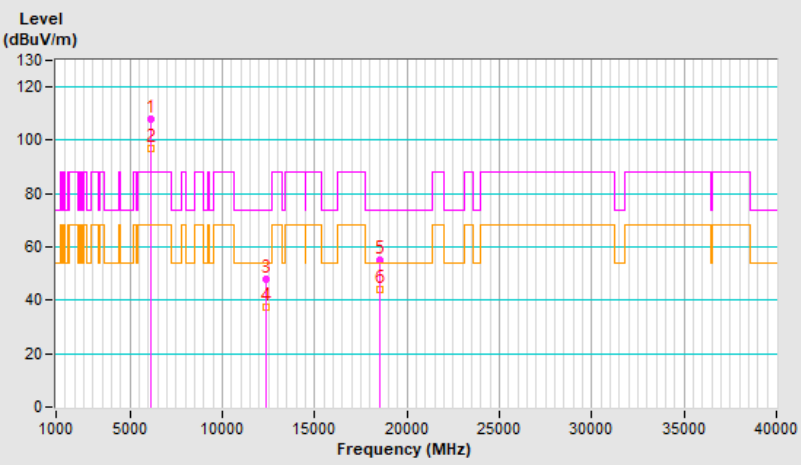


RF Mode	802.11ax (HE40)	**Channel**	CH 43：6165 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6165.00	107.8 PK			2.33 H	63	104.0	3.8
2	*6165.00	97.1 AV			2.33 H	63	93.3	3.8
3	12330.00	47.7 PK	74.0	-26.3	2.87 H	30	36.2	11.5
4	12330.00	37.3 AV	54.0	-16.7	2.87 H	30	25.8	11.5
5	18495.00	55.1 PK	74.0	-18.9	1.46 H	336	57.9	-2.8
6	18495.00	44.0 AV	54.0	-10.0	1.46 H	336	46.8	-2.8

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.

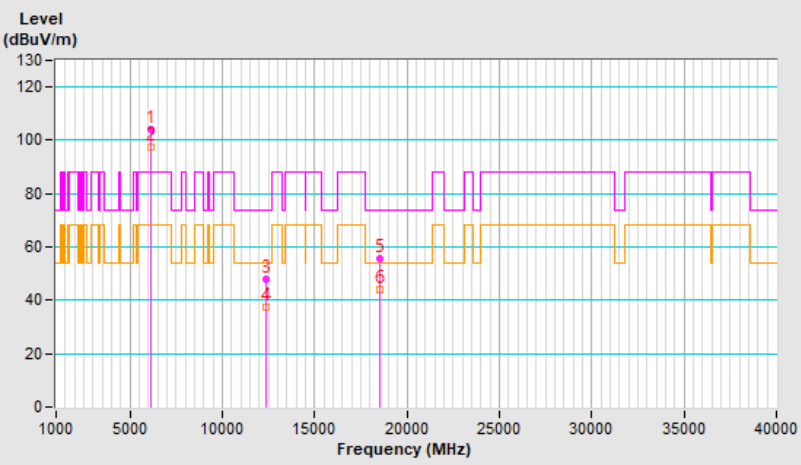


RF Mode	802.11ax (HE40)	**Channel**	CH 43：6165 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6165.00	104.3 PK			2.79 V	32	100.5	3.8
2	*6165.00	97.6 AV			2.79 V	32	93.8	3.8
3	12330.00	47.8 PK	74.0	-26.2	2.81 V	31	36.3	11.5
4	12330.00	37.3 AV	54.0	-16.7	2.81 V	31	25.8	11.5
5	18495.00	55.7 PK	74.0	-18.3	1.39 V	309	58.5	-2.8
6	18495.00	44.3 AV	54.0	-9.7	1.39 V	309	47.1	-2.8

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.

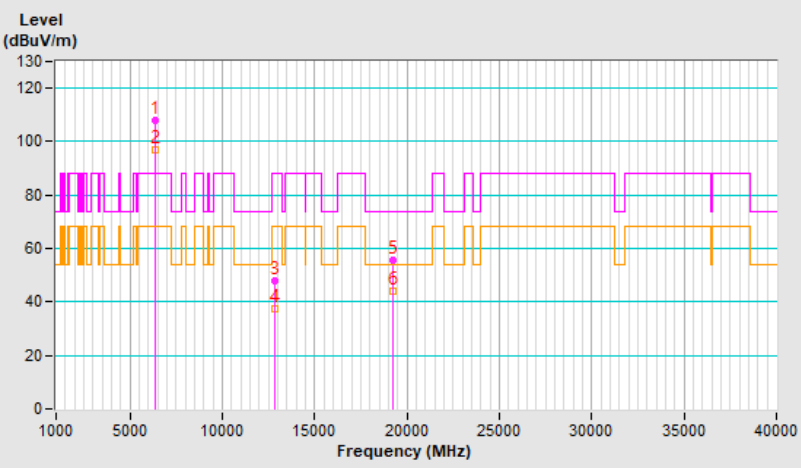


RF Mode	802.11ax (HE40)	Channel	CH 91：6405 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	108.0 PK			2.28 H	51	103.0	5.0
2	*6405.00	97.1 AV			2.28 H	51	92.1	5.0
3	#12810.00	47.7 PK	88.2	-40.5	2.90 H	52	35.8	11.9
4	#12810.00	37.2 AV	68.2	-31.0	2.90 H	52	25.3	11.9
5	19215.00	55.7 PK	74.0	-18.3	1.42 H	312	57.7	-2.0
6	19215.00	44.3 AV	54.0	-9.7	1.42 H	312	46.3	-2.0

Remarks:

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

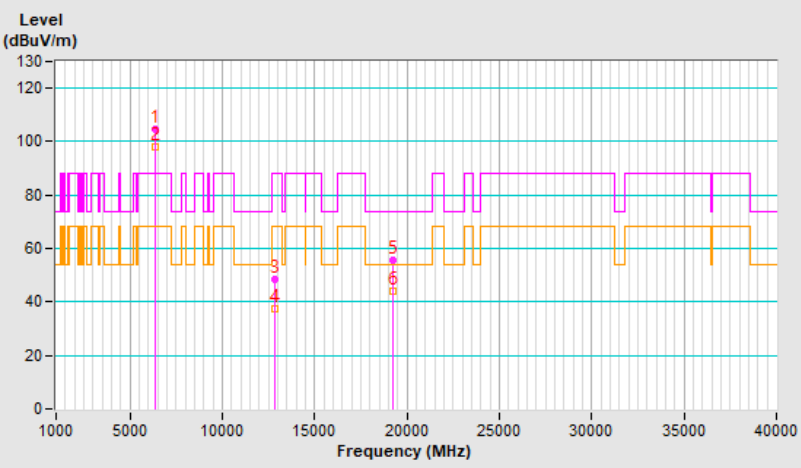


RF Mode	802.11ax (HE40)	Channel	CH 91：6405 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6405.00	104.8 PK			2.90 V	29	99.8	5.0
2	*6405.00	98.0 AV			2.90 V	29	93.0	5.0
3	#12810.00	48.5 PK	88.2	-39.7	2.90 V	27	36.6	11.9
4	#12810.00	37.6 AV	68.2	-30.6	2.90 V	27	25.7	11.9
5	19215.00	55.7 PK	74.0	-18.3	1.46 V	322	57.7	-2.0
6	19215.00	44.2 AV	54.0	-9.8	1.46 V	322	46.2	-2.0

Remarks:

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

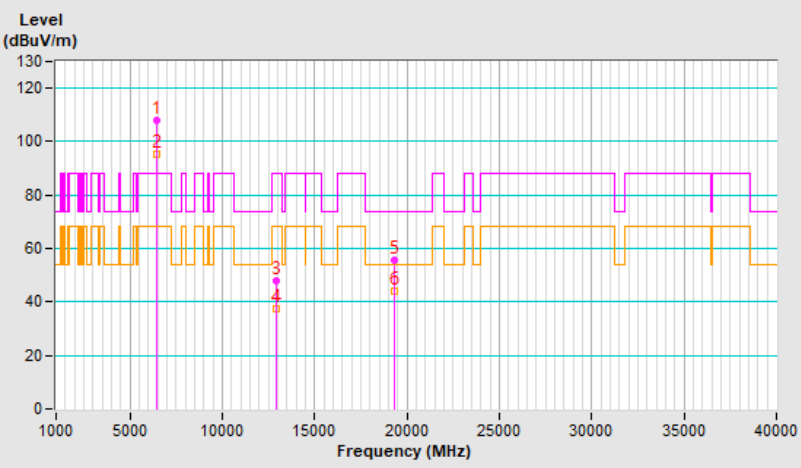


RF Mode	802.11ax (HE40)	Channel	CH 99：6445 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	107.8 PK			2.33 H	67	102.5	5.3
2	*6445.00	95.2 AV			2.33 H	67	89.9	5.3
3	#12890.00	48.0 PK	88.2	-40.2	2.90 H	28	36.0	12.0
4	#12890.00	37.6 AV	68.2	-30.6	2.90 H	28	25.6	12.0
5	19335.00	55.5 PK	74.0	-18.5	1.40 H	316	57.3	-1.8
6	19335.00	44.2 AV	54.0	-9.8	1.40 H	316	46.0	-1.8

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.

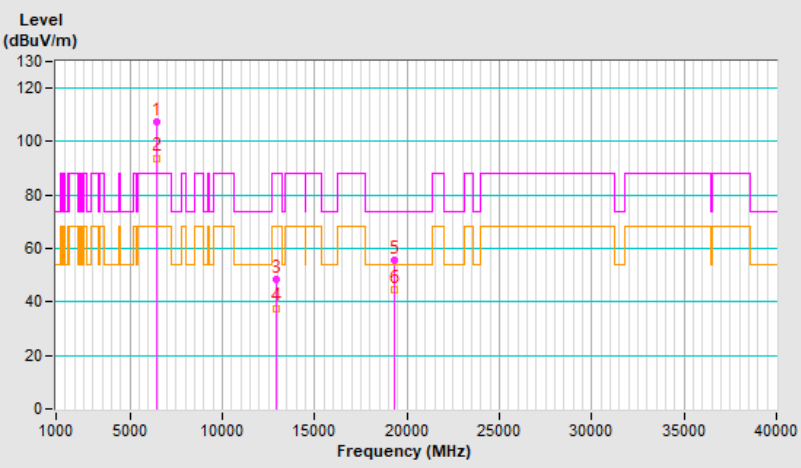


RF Mode	802.11ax (HE40)	Channel	CH 99：6445 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6445.00	107.4 PK			2.91 V	22	102.1	5.3
2	*6445.00	93.9 AV			2.91 V	22	88.6	5.3
3	#12890.00	48.3 PK	88.2	-39.9	2.85 V	40	36.3	12.0
4	#12890.00	37.7 AV	68.2	-30.5	2.85 V	40	25.7	12.0
5	19335.00	55.8 PK	74.0	-18.2	1.44 V	317	57.6	-1.8
6	**19335.00**	**44.4 AV**	**54.0**	**-9.6**	**1.44 V**	**317**	**46.2**	**-1.8**

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.

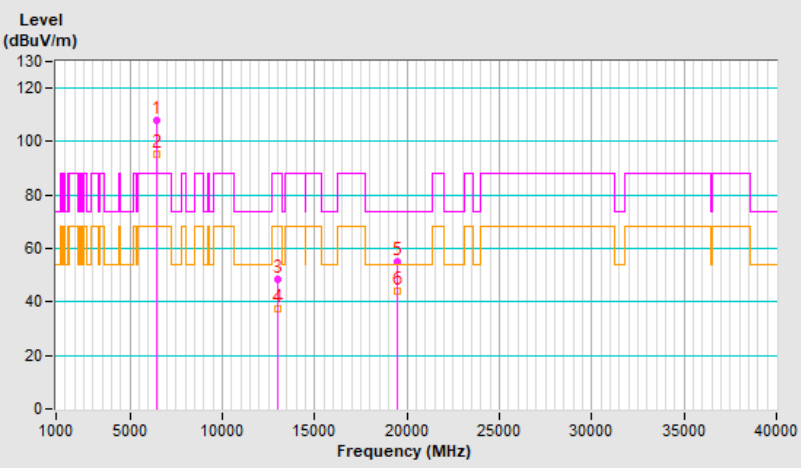


RF Mode	802.11ax (HE40)	Channel	CH 107：6485 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6485.00	108.1 PK			2.30 H	79	102.5	5.6
2	*6485.00	95.3 AV			2.30 H	79	89.7	5.6
3	#12970.00	48.2 PK	88.2	-40.0	2.87 H	37	36.0	12.2
4	#12970.00	37.6 AV	68.2	-30.6	2.87 H	37	25.4	12.2
5	19455.00	55.2 PK	74.0	-18.8	1.48 H	308	57.3	-2.1
6	19455.00	43.8 AV	54.0	-10.2	1.48 H	308	45.9	-2.1

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.

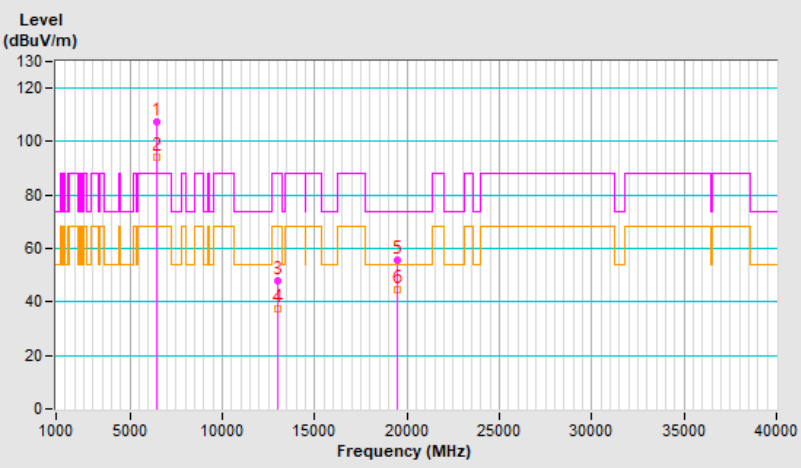


RF Mode	802.11ax (HE40)	Channel	CH 107：6485 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6485.00	107.3 PK			2.89 V	14	101.7	5.6
2	*6485.00	94.0 AV			2.89 V	14	88.4	5.6
3	#12970.00	47.9 PK	88.2	-40.3	2.82 V	36	35.7	12.2
4	#12970.00	37.3 AV	68.2	-30.9	2.82 V	36	25.1	12.2
5	19455.00	55.6 PK	74.0	-18.4	1.43 V	331	57.7	-2.1
6	**19455.00**	**44.4 AV**	**54.0**	**-9.6**	**1.43 V**	**331**	**46.5**	**-2.1**

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.

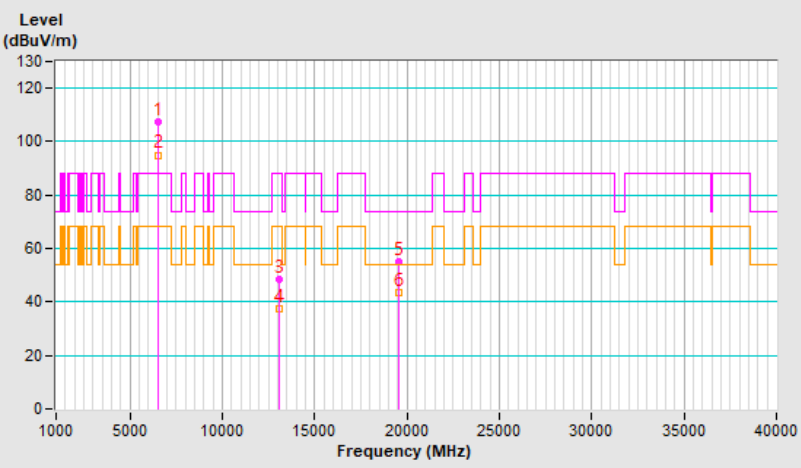


RF Mode	802.11ax (HE40)	Channel	CH 115：6525 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6525.00	107.5 PK			2.37 H	65	101.5	6.0
2	*6525.00	95.0 AV			2.37 H	65	89.0	6.0
3	#13050.00	48.2 PK	88.2	-40.0	2.87 H	38	36.1	12.1
4	#13050.00	37.4 AV	68.2	-30.8	2.87 H	38	25.3	12.1
5	19575.00	54.9 PK	74.0	-19.1	1.46 H	314	57.3	-2.4
6	19575.00	43.6 AV	54.0	-10.4	1.46 H	314	46.0	-2.4

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.

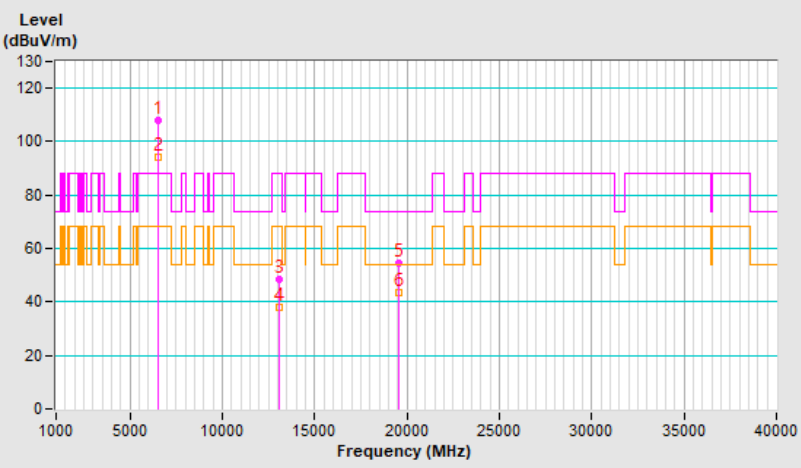


RF Mode	802.11ax (HE40)	Channel	CH 115：6525 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6525.00	107.8 PK			2.86 V	9	101.8	6.0
2	*6525.00	94.4 AV			2.86 V	9	88.4	6.0
3	#13050.00	48.5 PK	88.2	-39.7	2.82 V	55	36.4	12.1
4	#13050.00	37.8 AV	68.2	-30.4	2.82 V	55	25.7	12.1
5	19575.00	54.7 PK	74.0	-19.3	1.39 V	321	57.1	-2.4
6	19575.00	43.7 AV	54.0	-10.3	1.39 V	321	46.1	-2.4

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.

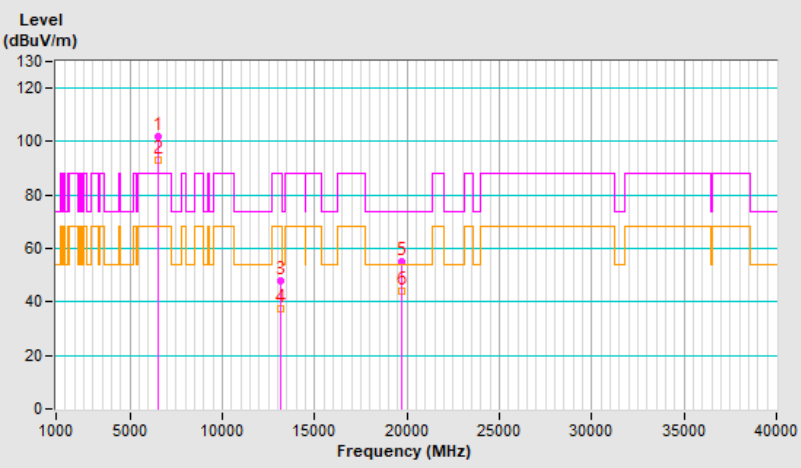


RF Mode	802.11ax (HE40)	Channel	CH 123：6565 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	102.1 PK			1.95 H	70	95.9	6.2
2	*6565.00	93.2 AV			1.95 H	70	87.0	6.2
3	#13130.00	47.8 PK	88.2	-40.4	2.90 H	28	35.5	12.3
4	#13130.00	37.5 AV	68.2	-30.7	2.90 H	28	25.2	12.3
5	19695.00	55.3 PK	74.0	-18.7	1.37 H	324	57.6	-2.3
6	19695.00	43.9 AV	54.0	-10.1	1.37 H	324	46.2	-2.3

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.

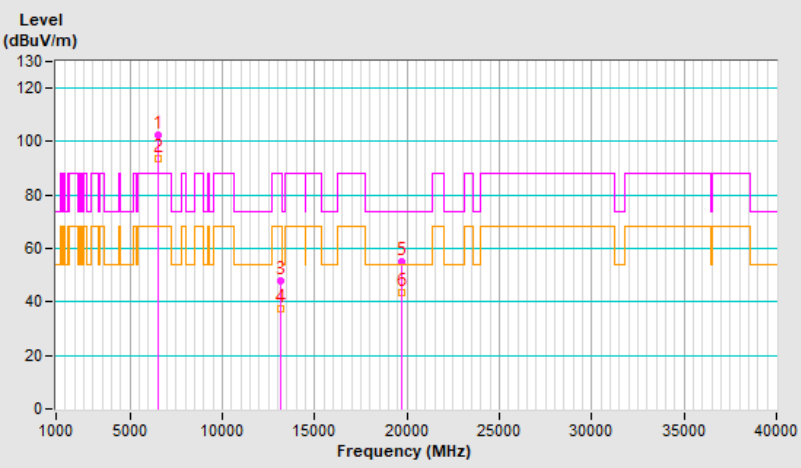


RF Mode	802.11ax (HE40)	Channel	CH 123：6565 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6565.00	102.3 PK			2.87 V	1	96.1	6.2
2	*6565.00	93.5 AV			2.87 V	1	87.3	6.2
3	#13130.00	48.0 PK	88.2	-40.2	2.83 V	57	35.7	12.3
4	#13130.00	37.6 AV	68.2	-30.6	2.83 V	57	25.3	12.3
5	19695.00	55.1 PK	74.0	-18.9	1.36 V	318	57.4	-2.3
6	19695.00	43.7 AV	54.0	-10.3	1.36 V	318	46.0	-2.3

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.

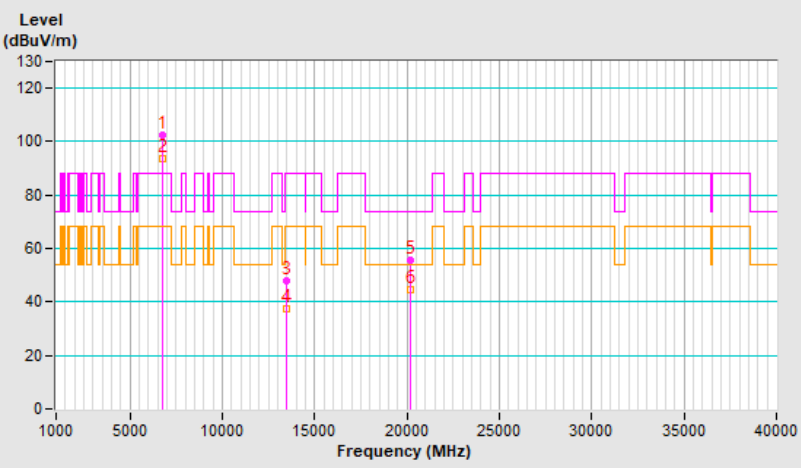


RF Mode	802.11ax (HE40)	Channel	CH 155：6725 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	102.5 PK			1.97 H	58	96.5	6.0
2	*6725.00	93.5 AV			1.97 H	58	87.5	6.0
3	#13450.00	48.0 PK	88.2	-40.2	2.86 H	37	34.5	13.5
4	#13450.00	37.2 AV	68.2	-31.0	2.86 H	37	23.7	13.5
5	20175.00	55.7 PK	74.0	-18.3	1.48 H	330	58.0	-2.3
6	**20175.00**	**44.4 AV**	**54.0**	**-9.6**	**1.48 H**	**330**	**46.7**	**-2.3**

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.

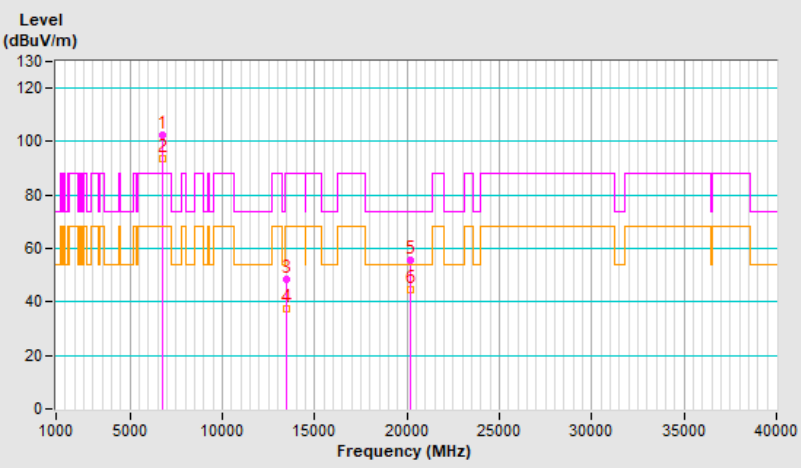


RF Mode	802.11ax (HE40)	Channel	CH 155：6725 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6725.00	102.6 PK			2.84 V	9	96.6	6.0
2	*6725.00	93.7 AV			2.84 V	9	87.7	6.0
3	#13450.00	48.4 PK	88.2	-39.8	2.91 V	58	34.9	13.5
4	#13450.00	37.6 AV	68.2	-30.6	2.91 V	58	24.1	13.5
5	20175.00	55.6 PK	74.0	-18.4	1.41 V	330	57.9	-2.3
6	**20175.00**	**44.4 AV**	**54.0**	**-9.6**	**1.41 V**	**330**	**46.7**	**-2.3**

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.

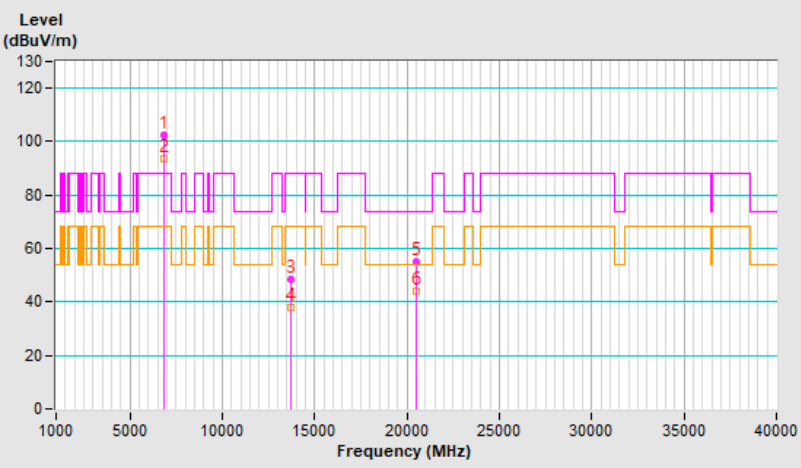


RF Mode	802.11ax (HE40)	Channel	CH 179：6845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	102.4 PK			1.93 H	63	95.9	6.5
2	*6845.00	93.6 AV			1.93 H	63	87.1	6.5
3	#13690.00	48.5 PK	88.2	-39.7	2.85 H	28	34.1	14.4
4	#13690.00	37.9 AV	68.2	-30.3	2.85 H	28	23.5	14.4
5	20535.00	55.1 PK	74.0	-18.9	1.45 H	335	56.2	-1.1
6	20535.00	43.9 AV	54.0	-10.1	1.45 H	335	45.0	-1.1

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.

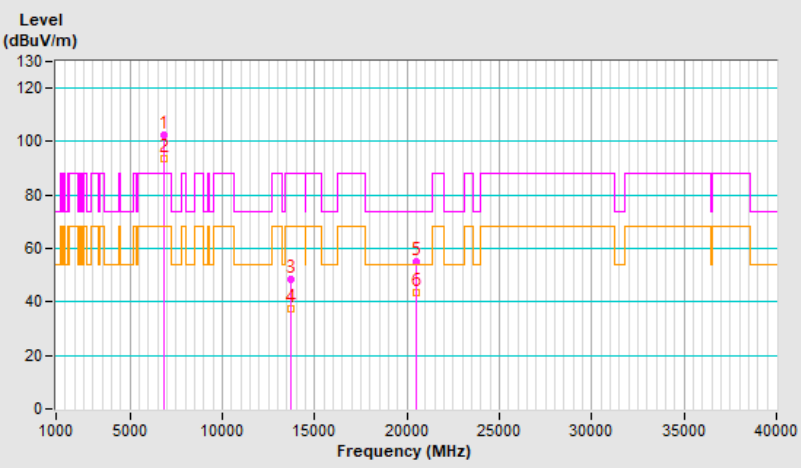


RF Mode	802.11ax (HE40)	Channel	CH 179：6845 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6845.00	102.2 PK			2.86 V	22	95.7	6.5
2	*6845.00	93.5 AV			2.86 V	22	87.0	6.5
3	#13690.00	48.2 PK	88.2	-40.0	2.90 V	38	33.8	14.4
4	#13690.00	37.6 AV	68.2	-30.6	2.90 V	38	23.2	14.4
5	20535.00	54.9 PK	74.0	-19.1	1.43 V	313	56.0	-1.1
6	20535.00	43.5 AV	54.0	-10.5	1.43 V	313	44.6	-1.1

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.

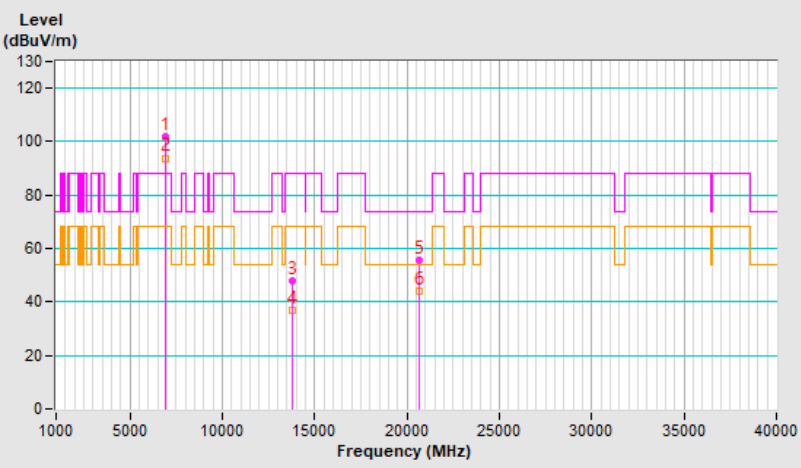


RF Mode	802.11ax (HE40)	Channel	CH 187：6885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6885.00	102.1 PK			2.01 H	64	95.6	6.5
2	*6885.00	93.9 AV			2.01 H	64	87.4	6.5
3	#13770.00	47.9 PK	88.2	-40.3	2.81 H	51	33.7	14.2
4	#13770.00	37.1 AV	68.2	-31.1	2.81 H	51	22.9	14.2
5	20655.00	55.6 PK	74.0	-18.4	1.36 H	333	56.9	-1.3
6	20655.00	44.3 AV	54.0	-9.7	1.36 H	333	45.6	-1.3

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.

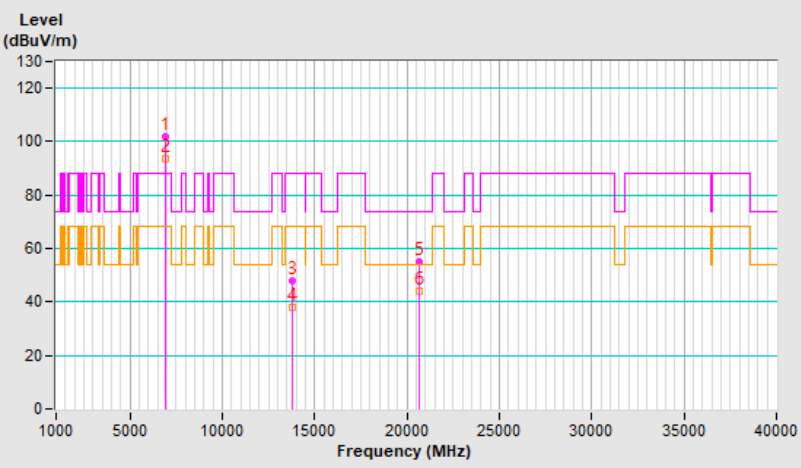


RF Mode	802.11ax (HE40)	Channel	CH 187：6885 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6885.00	102.0 PK			2.87 V	16	95.5	6.5
2	*6885.00	93.6 AV			2.87 V	16	87.1	6.5
3	#13770.00	48.1 PK	88.2	-40.1	2.81 V	32	33.9	14.2
4	#13770.00	37.8 AV	68.2	-30.4	2.81 V	32	23.6	14.2
5	20655.00	55.0 PK	74.0	-19.0	1.36 V	327	56.3	-1.3
6	20655.00	43.9 AV	54.0	-10.1	1.36 V	327	45.2	-1.3

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.

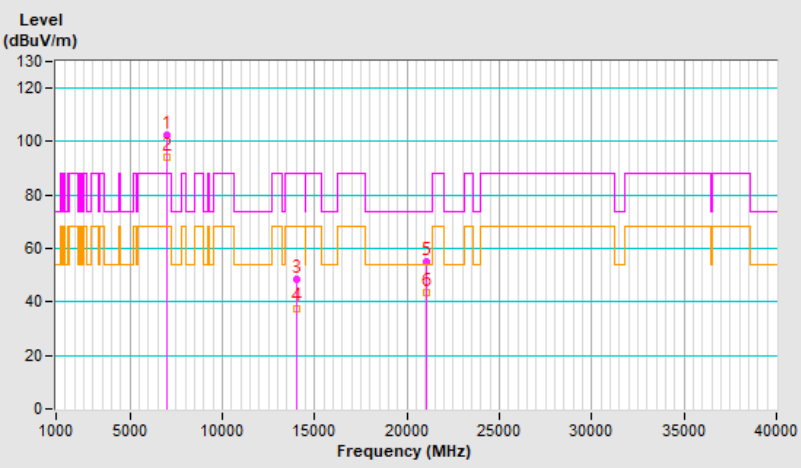


RF Mode	802.11ax (HE40)	Channel	CH 211：7005 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7005.00	102.5 PK			2.24 H	294	94.9	7.6
2	*7005.00	94.1 AV			2.24 H	294	86.5	7.6
3	#14010.00	48.2 PK	88.2	-40.0	2.83 H	58	33.3	14.9
4	#14010.00	37.7 AV	68.2	-30.5	2.83 H	58	22.8	14.9
5	21015.00	55.1 PK	74.0	-18.9	1.37 H	316	56.5	-1.4
6	21015.00	43.6 AV	54.0	-10.4	1.37 H	316	45.0	-1.4

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.

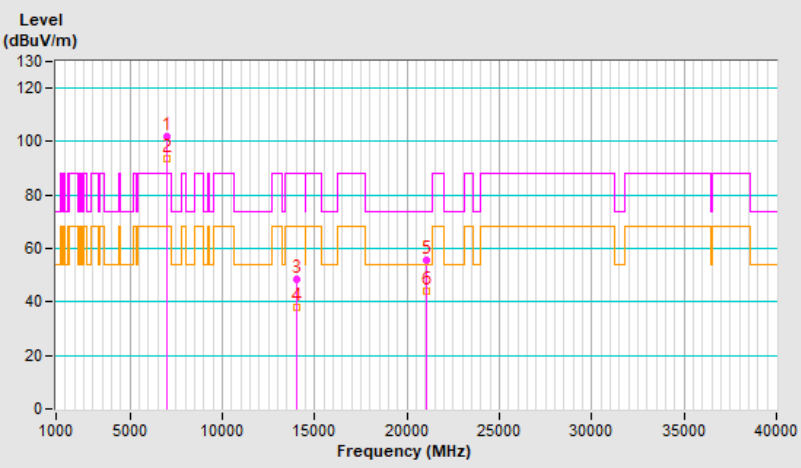


RF Mode	802.11ax (HE40)	Channel	CH 211：7005 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7005.00	101.8 PK			2.87 V	6	94.2	7.6
2	*7005.00	93.7 AV			2.87 V	6	86.1	7.6
3	#14010.00	48.7 PK	88.2	-39.5	2.84 V	52	33.8	14.9
4	#14010.00	38.0 AV	68.2	-30.2	2.84 V	52	23.1	14.9
5	21015.00	55.8 PK	74.0	-18.2	1.41 V	323	57.2	-1.4
6	21015.00	44.2 AV	54.0	-9.8	1.41 V	323	45.6	-1.4

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.

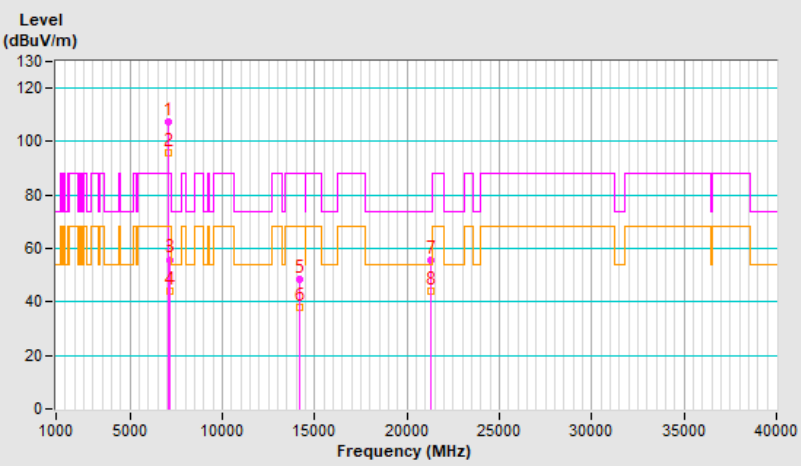


RF Mode	802.11ax (HE40)	Channel	CH 227：7085 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7085.00	107.6 PK			2.12 H	47	99.9	7.7
2	*7085.00	95.9 AV			2.12 H	47	88.2	7.7
3	#7125.00	55.9 PK	88.2	-32.3	2.12 H	47	47.9	8.0
4	#7125.00	43.8 AV	68.2	-24.4	2.12 H	47	35.8	8.0
5	#14170.00	48.6 PK	88.2	-39.6	2.86 H	45	34.0	14.6
6	#14170.00	37.8 AV	68.2	-30.4	2.86 H	45	23.2	14.6
7	21255.00	55.5 PK	74.0	-18.5	1.41 H	310	56.3	-0.8
8	21255.00	44.0 AV	54.0	-10.0	1.41 H	310	44.8	-0.8

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.

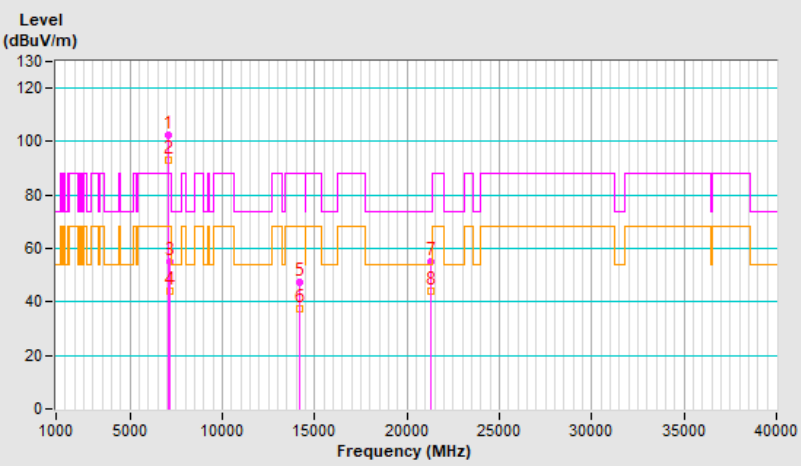


RF Mode	802.11ax (HE40)	**Channel**	CH 227：7085 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*7085.00	102.6 PK			1.50 V	54	94.9	7.7
2	*7085.00	93.3 AV			1.50 V	54	85.6	7.7
3	#7125.00	55.3 PK	88.2	-32.9	1.50 V	54	47.3	8.0
4	#7125.00	43.8 AV	68.2	-24.4	1.50 V	54	35.8	8.0
5	#14170.00	47.6 PK	88.2	-40.6	2.90 V	48	33.0	14.6
6	#14170.00	37.3 AV	68.2	-30.9	2.90 V	48	22.7	14.6
7	21255.00	55.2 PK	74.0	-18.8	1.39 V	333	56.0	-0.8
8	21255.00	43.9 AV	54.0	-10.1	1.39 V	333	44.7	-0.8

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.

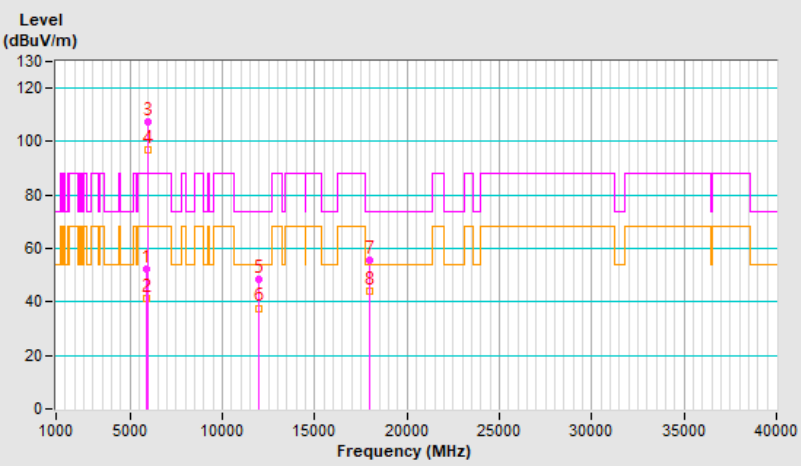


RF Mode	802.11ax (HE80)	**Channel**	CH 7：5985 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5925.00	52.5 PK	88.2	-35.7	2.48 H	303	48.8	3.7
2	#5925.00	41.1 AV	68.2	-27.1	2.48 H	303	37.4	3.7
3	*5985.00	107.3 PK			2.48 H	303	103.7	3.6
4	*5985.00	96.9 AV			2.48 H	303	93.3	3.6
5	11970.00	48.5 PK	74.0	-25.5	2.82 H	48	36.8	11.7
6	11970.00	37.7 AV	54.0	-16.3	2.82 H	48	26.0	11.7
7	17955.00	55.8 PK	74.0	-18.2	1.44 H	314	33.3	22.5
8	17955.00	44.2 AV	54.0	-9.8	1.44 H	314	21.7	22.5

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.

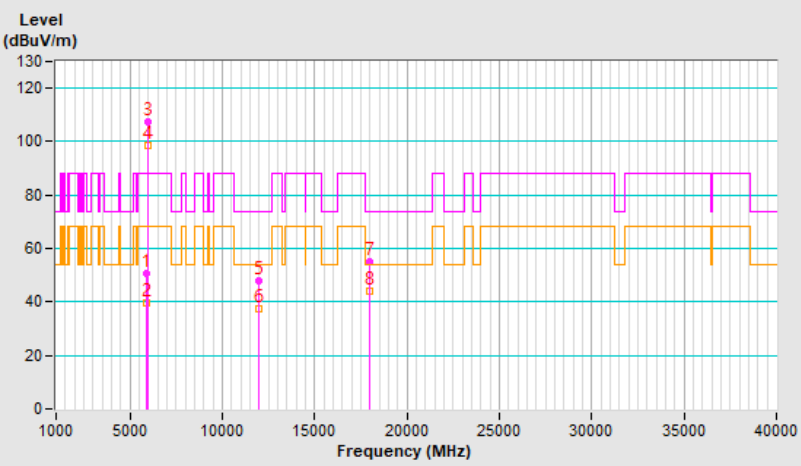


RF Mode	802.11ax (HE80)	Channel	CH 7：5985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	50.6 PK	88.2	-37.6	2.95 V	9	46.9	3.7
2	#5925.00	39.8 AV	68.2	-28.4	2.95 V	9	36.1	3.7
3	*5985.00	107.5 PK			2.95 V	9	103.9	3.6
4	*5985.00	98.6 AV			2.95 V	9	95.0	3.6
5	11970.00	48.0 PK	74.0	-26.0	2.83 V	45	36.3	11.7
6	11970.00	37.2 AV	54.0	-16.8	2.83 V	45	25.5	11.7
7	17955.00	55.3 PK	74.0	-18.7	1.42 V	320	32.8	22.5
8	17955.00	44.1 AV	54.0	-9.9	1.42 V	320	21.6	22.5

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.

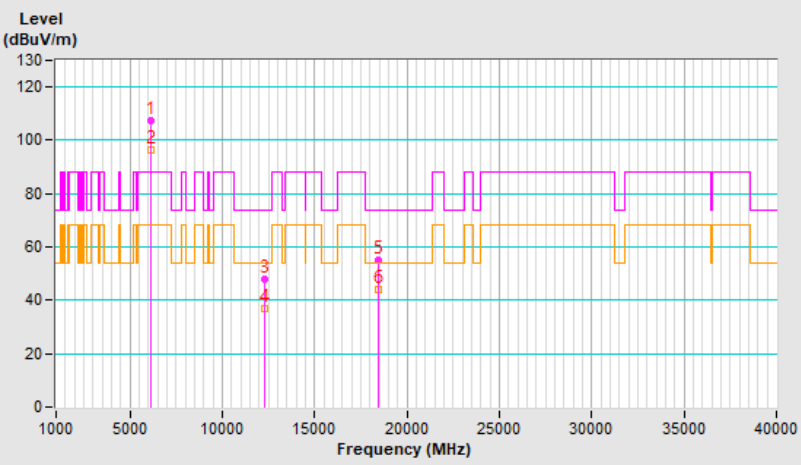


RF Mode	802.11ax (HE80)	Channel	CH 39：6145 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6145.00	107.3 PK			2.35 H	303	103.6	3.7
2	*6145.00	96.6 AV			2.35 H	303	92.9	3.7
3	12290.00	47.7 PK	74.0	-26.3	2.84 H	36	36.0	11.7
4	12290.00	37.1 AV	54.0	-16.9	2.84 H	36	25.4	11.7
5	18435.00	55.2 PK	74.0	-18.8	1.45 H	322	57.8	-2.6
6	18435.00	44.0 AV	54.0	-10.0	1.45 H	322	46.6	-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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

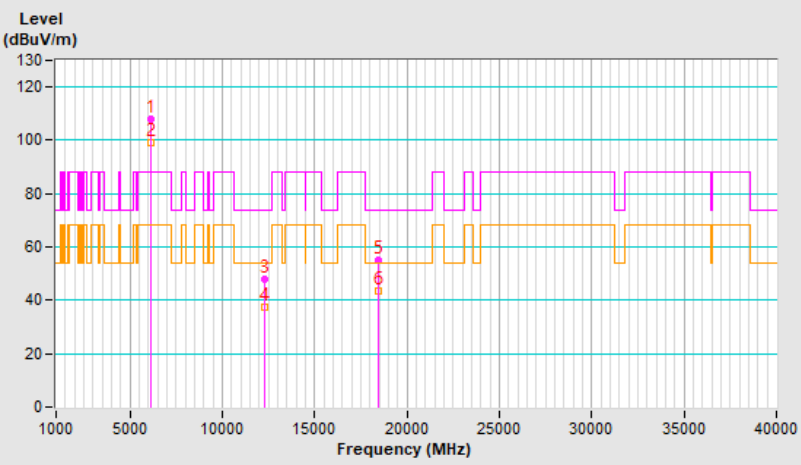


RF Mode	802.11ax (HE80)	**Channel**	CH 39：6145 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6145.00	107.9 PK			2.94 V	16	104.2	3.7
2	*6145.00	99.0 AV			2.94 V	16	95.3	3.7
3	12290.00	48.1 PK	74.0	-25.9	2.86 V	35	36.4	11.7
4	12290.00	37.5 AV	54.0	-16.5	2.86 V	35	25.8	11.7
5	18435.00	54.9 PK	74.0	-19.1	1.45 V	326	57.5	-2.6
6	18435.00	43.7 AV	54.0	-10.3	1.45 V	326	46.3	-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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

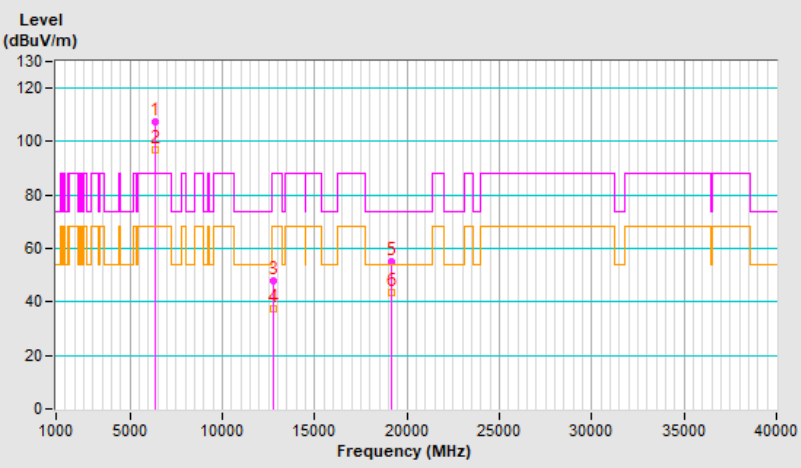


RF Mode	802.11ax (HE80)	Channel	CH 87：6385 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	107.5 PK			2.32 H	298	102.7	4.8
2	*6385.00	96.8 AV			2.32 H	298	92.0	4.8
3	#12770.00	48.0 PK	88.2	-40.2	2.86 H	36	36.2	11.8
4	#12770.00	37.2 AV	68.2	-31.0	2.86 H	36	25.4	11.8
5	19155.00	55.0 PK	74.0	-19.0	1.36 H	317	57.1	-2.1
6	19155.00	43.5 AV	54.0	-10.5	1.36 H	317	45.6	-2.1

Remarks:

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

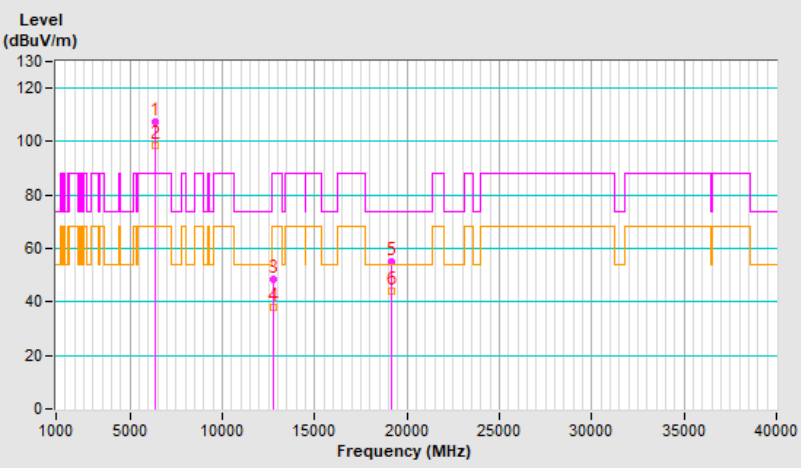


RF Mode	802.11ax (HE80)	Channel	CH 87：6385 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6385.00	107.6 PK			2.89 V	23	102.8	4.8
2	*6385.00	98.6 AV			2.89 V	23	93.8	4.8
3	#12770.00	48.5 PK	88.2	-39.7	2.81 V	53	36.7	11.8
4	#12770.00	37.9 AV	68.2	-30.3	2.81 V	53	26.1	11.8
5	19155.00	55.2 PK	74.0	-18.8	1.39 V	316	57.3	-2.1
6	19155.00	43.9 AV	54.0	-10.1	1.39 V	316	46.0	-2.1

Remarks:

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

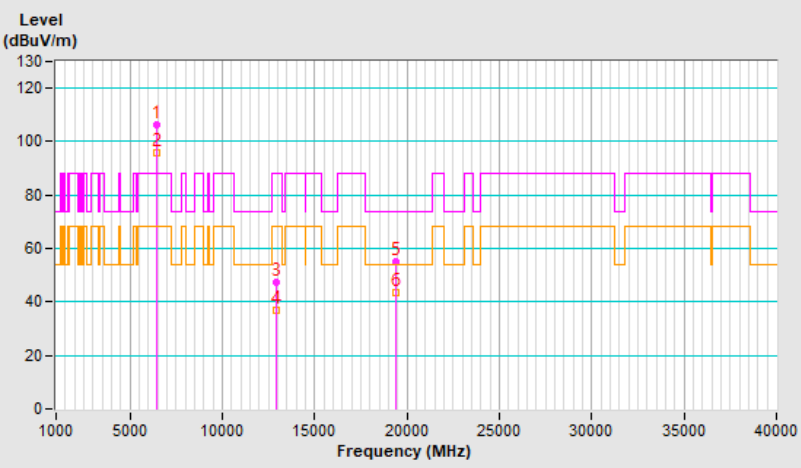


RF Mode	802.11ax (HE80)	Channel	CH 103：6465 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	106.1 PK			1.78 H	291	100.6	5.5
2	*6465.00	95.9 AV			1.78 H	291	90.4	5.5
3	#12930.00	47.6 PK	88.2	-40.6	2.87 H	57	35.6	12.0
4	#12930.00	37.1 AV	68.2	-31.1	2.87 H	57	25.1	12.0
5	19395.00	54.9 PK	74.0	-19.1	1.46 H	315	57.0	-2.1
6	19395.00	43.5 AV	54.0	-10.5	1.46 H	315	45.6	-2.1

Remarks:

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

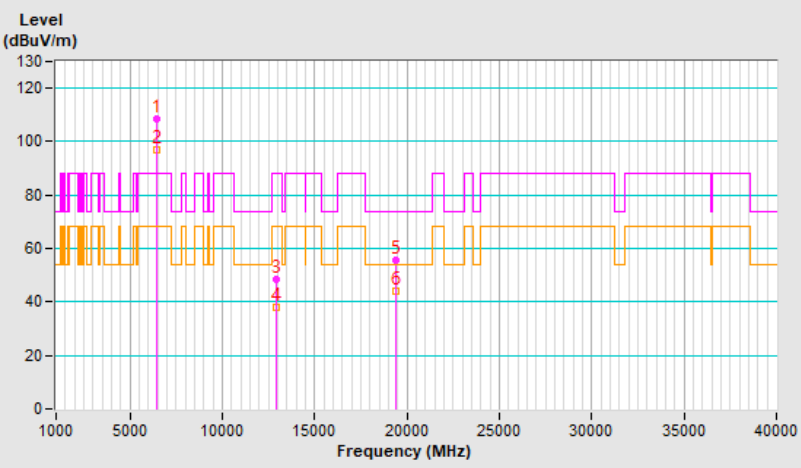


RF Mode	802.11ax (HE80)	Channel	CH 103：6465 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6465.00	108.3 PK			2.89 V	8	102.8	5.5
2	*6465.00	97.1 AV			2.89 V	8	91.6	5.5
3	#12930.00	48.3 PK	88.2	-39.9	2.87 V	55	36.3	12.0
4	#12930.00	37.9 AV	68.2	-30.3	2.87 V	55	25.9	12.0
5	19395.00	55.7 PK	74.0	-18.3	1.38 V	311	57.8	-2.1
6	19395.00	44.2 AV	54.0	-9.8	1.38 V	311	46.3	-2.1

Remarks:

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

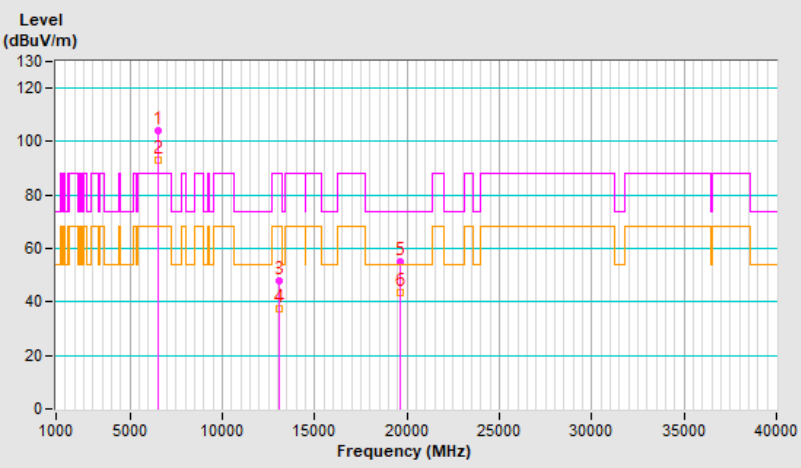


RF Mode	802.11ax (HE80)	Channel	CH 119：6545 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6545.00	103.9 PK			2.00 H	69	97.8	6.1
2	*6545.00	93.1 AV			2.00 H	69	87.0	6.1
3	#13090.00	47.8 PK	88.2	-40.4	2.89 H	53	35.6	12.2
4	#13090.00	37.4 AV	68.2	-30.8	2.89 H	53	25.2	12.2
5	19635.00	55.0 PK	74.0	-19.0	1.37 H	307	57.4	-2.4
6	19635.00	43.7 AV	54.0	-10.3	1.37 H	307	46.1	-2.4

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.

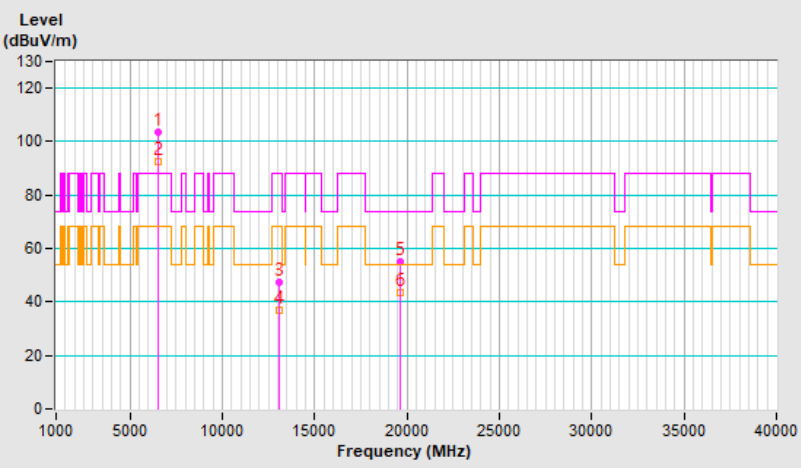


RF Mode	802.11ax (HE80)	Channel	CH 119：6545 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6545.00	103.4 PK			2.88 V	10	97.3	6.1
2	*6545.00	92.5 AV			2.88 V	10	86.4	6.1
3	#13090.00	47.6 PK	88.2	-40.6	2.90 V	38	35.4	12.2
4	#13090.00	37.0 AV	68.2	-31.2	2.90 V	38	24.8	12.2
5	19635.00	55.1 PK	74.0	-18.9	1.41 V	308	57.5	-2.4
6	19635.00	43.6 AV	54.0	-10.4	1.41 V	308	46.0	-2.4

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.

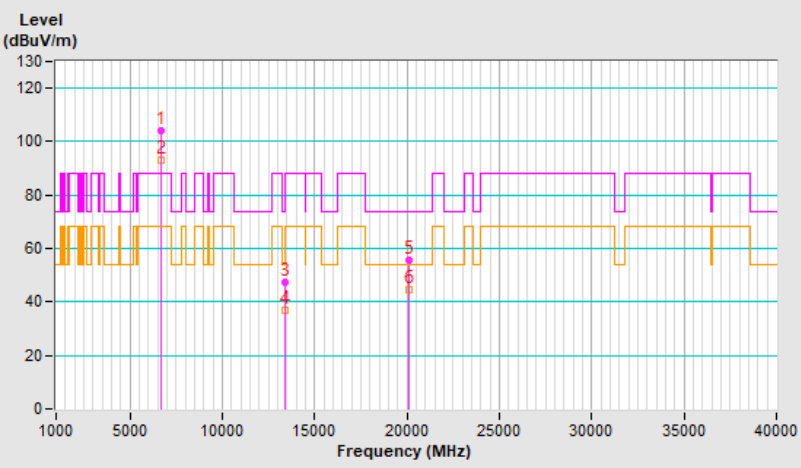


RF Mode	802.11ax (HE80)	Channel	CH 151 : 6705 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6705.00	104.2 PK			1.95 H	70	98.2	6.0
2	*6705.00	93.2 AV			1.95 H	70	87.2	6.0
3	#13410.00	47.6 PK	88.2	-40.6	2.88 H	41	34.2	13.4
4	#13410.00	37.1 AV	68.2	-31.1	2.88 H	41	23.7	13.4
5	20115.00	55.5 PK	74.0	-18.5	1.38 H	329	57.9	-2.4
6	**20115.00**	**44.4 AV**	**54.0**	**-9.6**	**1.38 H**	**329**	**46.8**	**-2.4**

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.

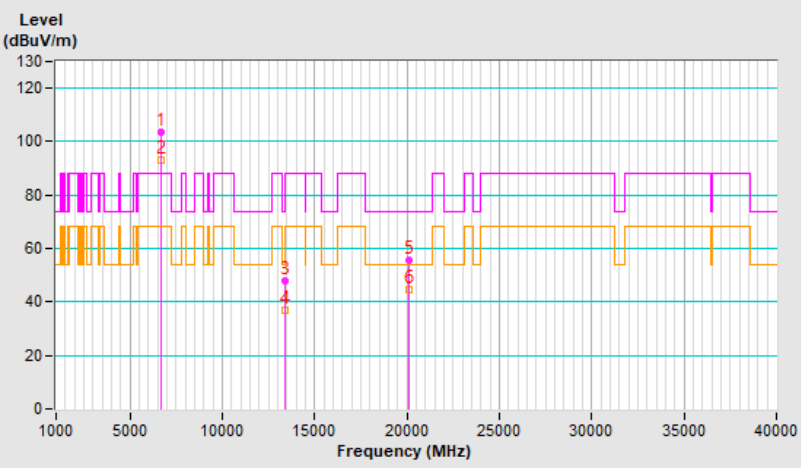


RF Mode	802.11ax (HE80)	Channel	CH 151 : 6705 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6705.00	103.7 PK			2.83 V	3	97.7	6.0
2	*6705.00	92.9 AV			2.83 V	3	86.9	6.0
3	#13410.00	47.7 PK	88.2	-40.5	2.90 V	29	34.3	13.4
4	#13410.00	37.0 AV	68.2	-31.2	2.90 V	29	23.6	13.4
5	20115.00	55.7 PK	74.0	-18.3	1.47 V	321	58.1	-2.4
6	**20115.00**	**44.4 AV**	**54.0**	**-9.6**	**1.47 V**	**321**	**46.8**	**-2.4**

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.

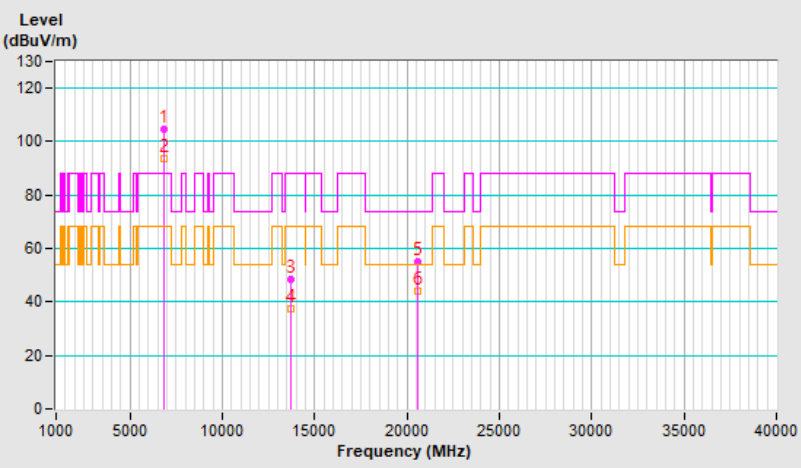


RF Mode	802.11ax (HE80)	Channel	CH 183：6865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6865.00	104.6 PK			2.00 H	82	98.0	6.6
2	*6865.00	93.6 AV			2.00 H	82	87.0	6.6
3	#13730.00	48.2 PK	88.2	-40.0	2.81 H	38	33.8	14.4
4	#13730.00	37.4 AV	68.2	-30.8	2.81 H	38	23.0	14.4
5	20595.00	55.1 PK	74.0	-18.9	1.42 H	323	56.5	-1.4
6	20595.00	44.1 AV	54.0	-9.9	1.42 H	323	45.5	-1.4

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.

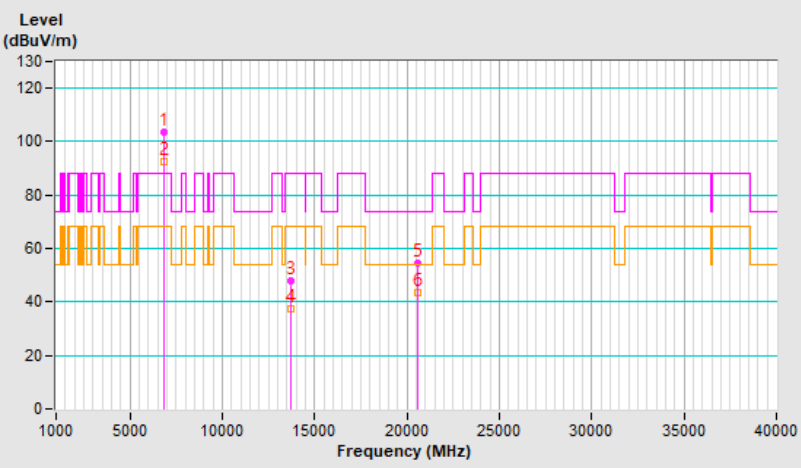


RF Mode	802.11ax (HE80)	Channel	CH 183：6865 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6865.00	103.5 PK			2.79 V	17	96.9	6.6
2	*6865.00	92.5 AV			2.79 V	17	85.9	6.6
3	#13730.00	48.1 PK	88.2	-40.1	2.82 V	35	33.7	14.4
4	#13730.00	37.6 AV	68.2	-30.6	2.82 V	35	23.2	14.4
5	20595.00	54.6 PK	74.0	-19.4	1.47 V	324	56.0	-1.4
6	20595.00	43.5 AV	54.0	-10.5	1.47 V	324	44.9	-1.4

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.

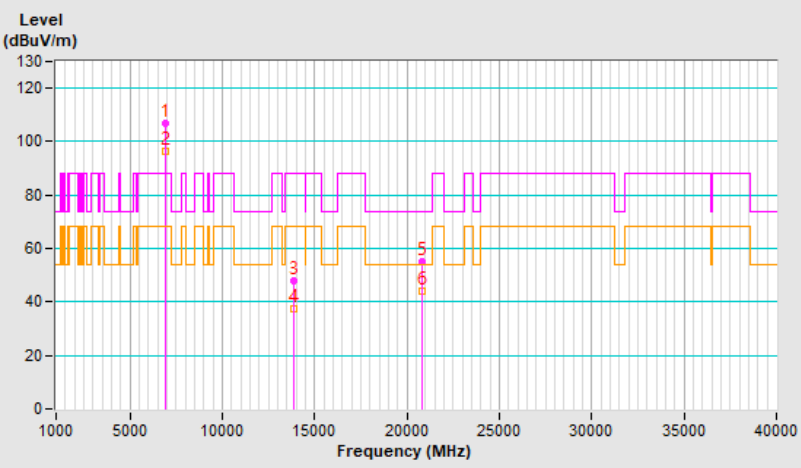


RF Mode	802.11ax (HE80)	Channel	CH 199：6945 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6945.00	106.7 PK			1.81 H	299	99.6	7.1
2	*6945.00	96.3 AV			1.81 H	299	89.2	7.1
3	#13890.00	48.0 PK	88.2	-40.2	2.91 H	31	33.6	14.4
4	#13890.00	37.2 AV	68.2	-31.0	2.91 H	31	22.8	14.4
5	20835.00	54.9 PK	74.0	-19.1	1.37 H	329	56.3	-1.4
6	20835.00	43.8 AV	54.0	-10.2	1.37 H	329	45.2	-1.4

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.

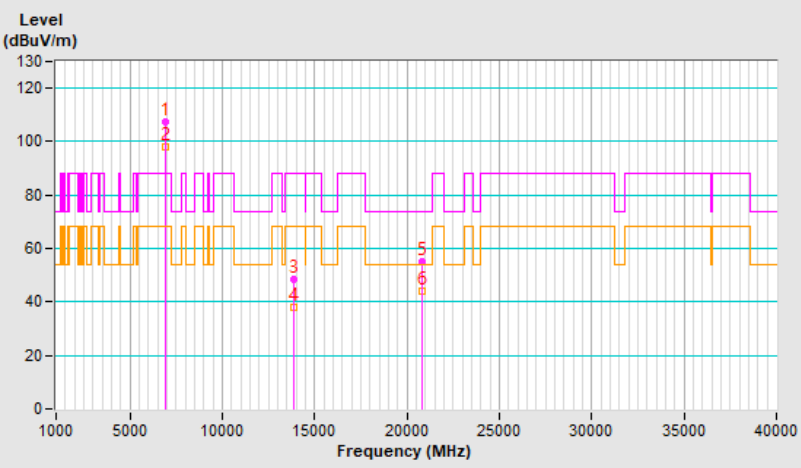


RF Mode	802.11ax (HE80)	Channel	CH 199：6945 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6945.00	107.3 PK			1.15 V	44	100.2	7.1
2	*6945.00	97.8 AV			1.15 V	44	90.7	7.1
3	#13890.00	48.3 PK	88.2	-39.9	2.87 V	27	33.9	14.4
4	#13890.00	37.9 AV	68.2	-30.3	2.87 V	27	23.5	14.4
5	20835.00	54.9 PK	74.0	-19.1	1.40 V	317	56.3	-1.4
6	20835.00	43.8 AV	54.0	-10.2	1.40 V	317	45.2	-1.4

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.

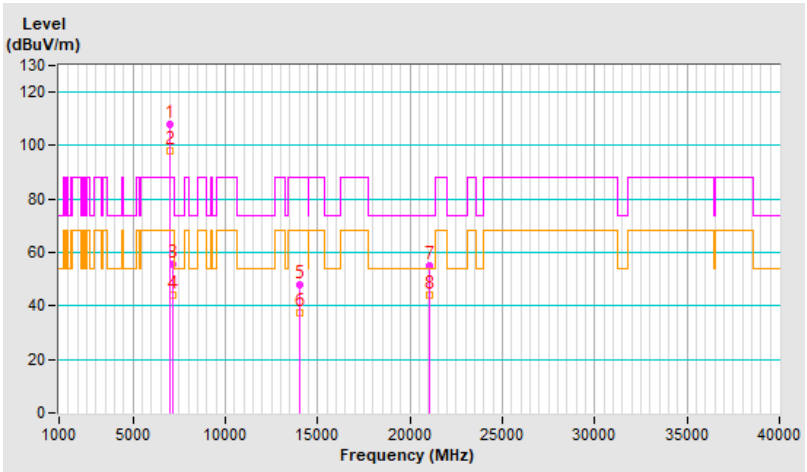


RF Mode	802.11ax (HE80)	**Channel**	CH 215：7025 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*7025.00	107.8 PK			2.06 H	51	100.2	7.6
2	*7025.00	97.8 AV			2.06 H	51	90.2	7.6
3	#7125.00	55.8 PK	88.2	-32.4	2.06 H	51	47.8	8.0
4	#7125.00	43.9 AV	68.2	-24.3	2.06 H	51	35.9	8.0
5	#14050.00	48.0 PK	88.2	-40.2	2.93 H	50	33.1	14.9
6	#14050.00	37.6 AV	68.2	-30.6	2.93 H	50	22.7	14.9
7	21075.00	55.3 PK	74.0	-18.7	1.44 H	316	56.6	-1.3
8	21075.00	44.1 AV	54.0	-9.9	1.44 H	316	45.4	-1.3

Remarks:

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

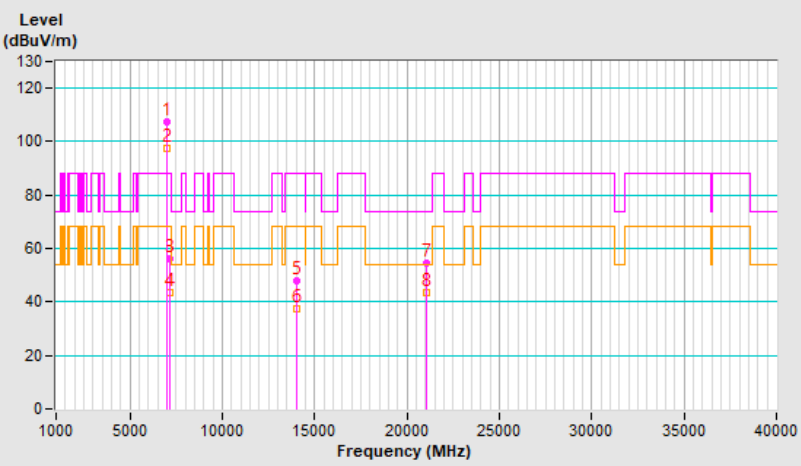


RF Mode	802.11ax (HE80)	Channel	CH 215：7025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*7025.00	107.2 PK			1.17 V	37	99.6	7.6
2	*7025.00	97.7 AV			1.17 V	37	90.1	7.6
3	#7125.00	56.3 PK	88.2	-31.9	1.17 V	37	48.3	8.0
4	#7125.00	43.7 AV	68.2	-24.5	1.17 V	37	35.7	8.0
5	#14050.00	47.9 PK	88.2	-40.3	2.93 V	50	33.0	14.9
6	#14050.00	37.2 AV	68.2	-31.0	2.93 V	50	22.3	14.9
7	21075.00	54.7 PK	74.0	-19.3	1.40 V	324	56.0	-1.3
8	21075.00	43.6 AV	54.0	-10.4	1.40 V	324	44.9	-1.3

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.

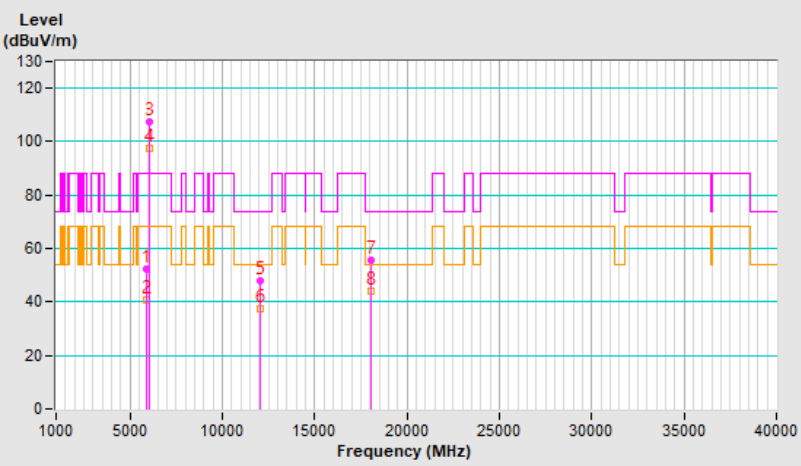


RF Mode	802.11ax (HE160)	**Channel**	CH 15：6025 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	#5925.00	52.1 PK	88.2	-36.1	2.45 H	58	48.4	3.7
2	#5925.00	40.8 AV	68.2	-27.4	2.45 H	58	37.1	3.7
3	*6025.00	107.5 PK			2.45 H	58	103.9	3.6
4	*6025.00	97.4 AV			2.45 H	58	93.8	3.6
5	12050.00	48.1 PK	74.0	-25.9	2.89 H	49	36.2	11.9
6	12050.00	37.2 AV	54.0	-16.8	2.89 H	49	25.3	11.9
7	18075.00	55.6 PK	74.0	-18.4	1.38 H	312	58.5	-2.9
8	18075.00	44.1 AV	54.0	-9.9	1.38 H	312	47.0	-2.9

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.

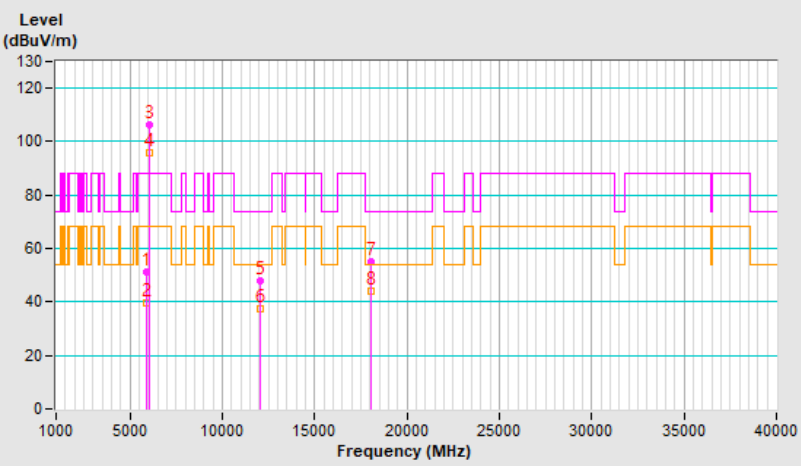


RF Mode	802.11ax (HE160)	Channel	CH 15：6025 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5925.00	51.2 PK	88.2	-37.0	3.90 V	18	47.5	3.7
2	#5925.00	39.6 AV	68.2	-28.6	3.90 V	18	35.9	3.7
3	*6025.00	106.1 PK			3.90 V	18	102.5	3.6
4	*6025.00	95.9 AV			3.90 V	18	92.3	3.6
5	12050.00	47.9 PK	74.0	-26.1	2.91 V	55	36.0	11.9
6	12050.00	37.4 AV	54.0	-16.6	2.91 V	55	25.5	11.9
7	18075.00	55.3 PK	74.0	-18.7	1.47 V	313	58.2	-2.9
8	18075.00	43.8 AV	54.0	-10.2	1.47 V	313	46.7	-2.9

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.

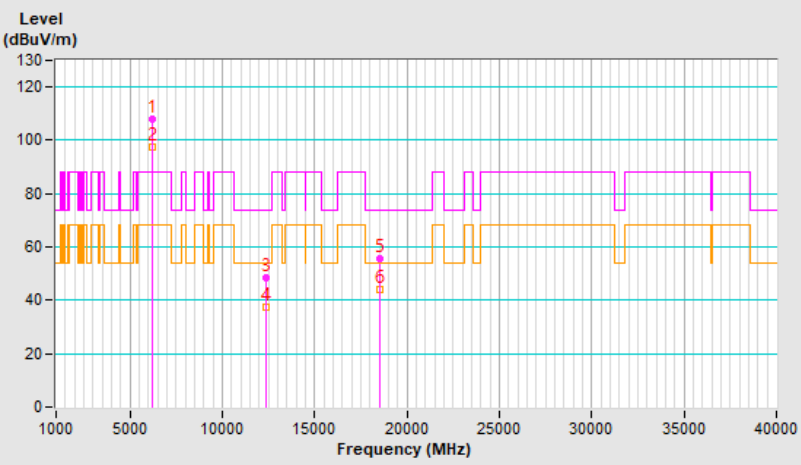


RF Mode	802.11ax (HE160)	Channel	CH 47：6185 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6185.00	107.8 PK			3.02 H	73	103.8	4.0
2	*6185.00	97.5 AV			3.02 H	73	93.5	4.0
3	12370.00	48.2 PK	74.0	-25.8	2.82 H	59	36.9	11.3
4	12370.00	37.6 AV	54.0	-16.4	2.82 H	59	26.3	11.3
5	18555.00	55.5 PK	74.0	-18.5	1.43 H	332	58.2	-2.7
6	18555.00	44.0 AV	54.0	-10.0	1.43 H	332	46.7	-2.7

Remarks:

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

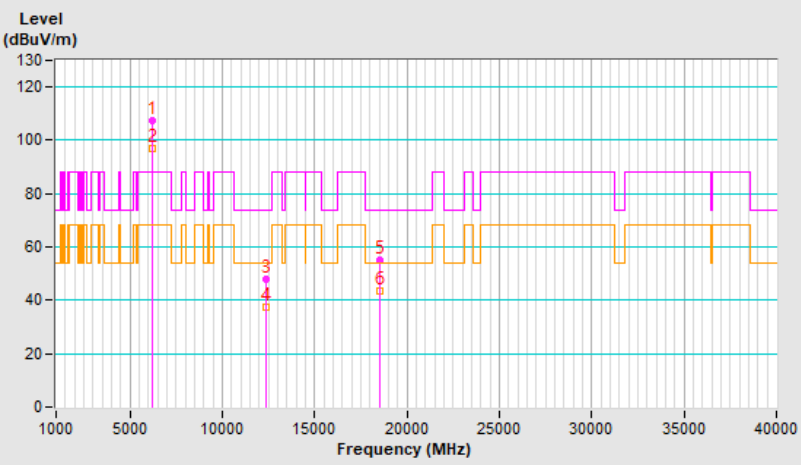


RF Mode	802.11ax (HE160)	**Channel**	CH 47：6185 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6185.00	107.3 PK			1.16 V	14	103.3	4.0
2	*6185.00	97.1 AV			1.16 V	14	93.1	4.0
3	12370.00	47.7 PK	74.0	-26.3	2.87 V	47	36.4	11.3
4	12370.00	37.4 AV	54.0	-16.6	2.87 V	47	26.1	11.3
5	18555.00	55.2 PK	74.0	-18.8	1.46 V	335	57.9	-2.7
6	18555.00	43.7 AV	54.0	-10.3	1.46 V	335	46.4	-2.7

Remarks:

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

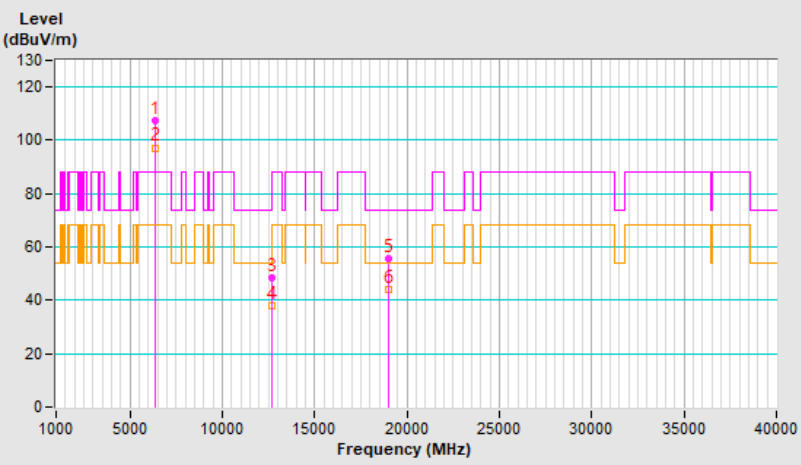


RF Mode	802.11ax (HE160)	**Channel**	CH 79：6345 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6345.00	107.5 PK			3.05 H	87	102.6	4.9
2	*6345.00	97.2 AV			3.05 H	87	92.3	4.9
3	12690.00	48.6 PK	74.0	-25.4	2.91 H	56	36.7	11.9
4	12690.00	37.9 AV	54.0	-16.1	2.91 H	56	26.0	11.9
5	19035.00	55.7 PK	74.0	-18.3	1.42 H	326	58.0	-2.3
6	19035.00	44.1 AV	54.0	-9.9	1.42 H	326	46.4	-2.3

Remarks:

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

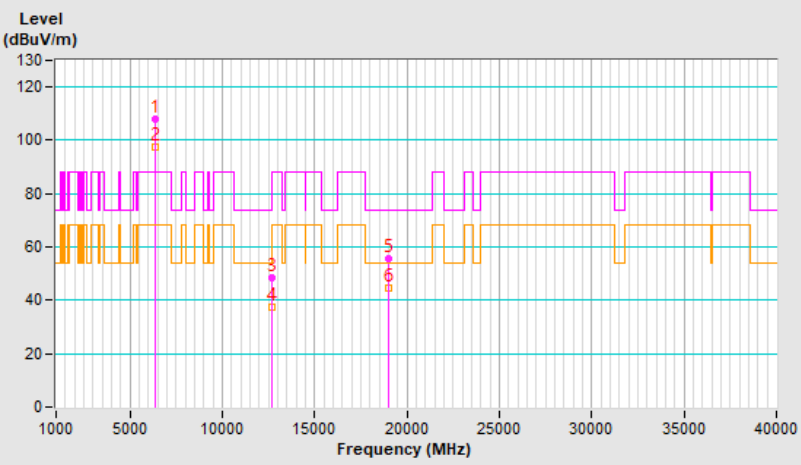


RF Mode	802.11ax (HE160)	Channel	CH 79：6345 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6345.00	107.7 PK			1.17 V	13	102.8	4.9
2	*6345.00	97.4 AV			1.17 V	13	92.5	4.9
3	12690.00	48.2 PK	74.0	-25.8	2.91 V	54	36.3	11.9
4	12690.00	37.5 AV	54.0	-16.5	2.91 V	54	25.6	11.9
5	19035.00	55.4 PK	74.0	-18.6	1.45 V	323	57.7	-2.3
6	**19035.00**	**44.4 AV**	**54.0**	**-9.6**	**1.45 V**	**323**	**46.7**	**-2.3**

Remarks:

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

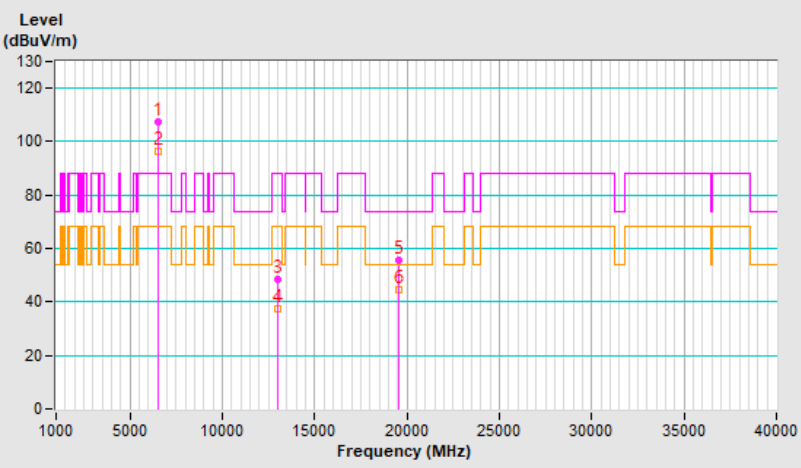


RF Mode	802.11ax (HE160)	Channel	CH 111：6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6505.00	107.4 PK			1.96 H	75	101.5	5.9
2	*6505.00	96.5 AV			1.96 H	75	90.6	5.9
3	#13010.00	48.3 PK	88.2	-39.9	2.90 H	43	36.2	12.1
4	#13010.00	37.4 AV	68.2	-30.8	2.90 H	43	25.3	12.1
5	19515.00	55.8 PK	74.0	-18.2	1.37 H	307	57.9	-2.1
6	**19515.00**	**44.4 AV**	**54.0**	**-9.6**	**1.37 H**	**307**	**46.5**	**-2.1**

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.

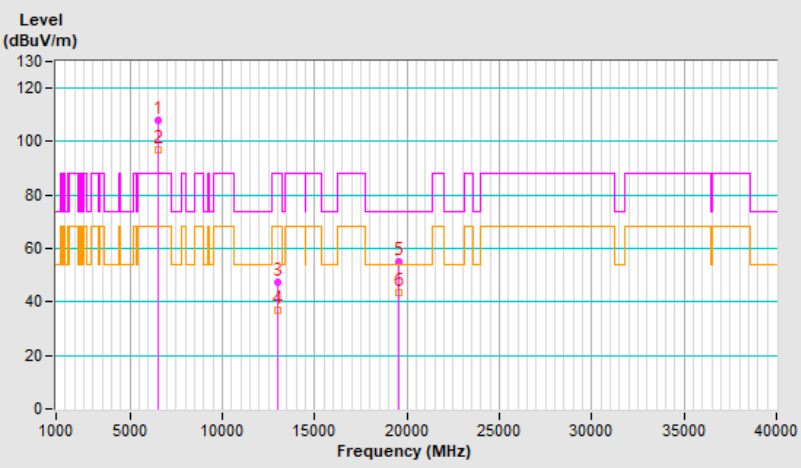


RF Mode	802.11ax (HE160)	Channel	CH 111：6505 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6505.00	107.7 PK			1.18 V	25	101.8	5.9
2	*6505.00	96.9 AV			1.18 V	25	91.0	5.9
3	#13010.00	47.5 PK	88.2	-40.7	2.83 V	35	35.4	12.1
4	#13010.00	37.1 AV	68.2	-31.1	2.83 V	35	25.0	12.1
5	19515.00	55.1 PK	74.0	-18.9	1.37 V	321	57.2	-2.1
6	19515.00	43.7 AV	54.0	-10.3	1.37 V	321	45.8	-2.1

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.

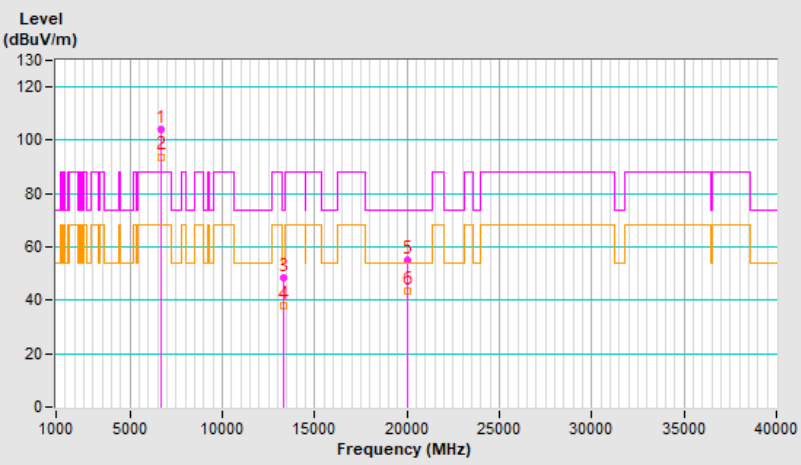


RF Mode	802.11ax (HE160)	Channel	CH 143：6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6665.00	104.1 PK			1.95 H	71	97.9	6.2
2	*6665.00	93.9 AV			1.95 H	71	87.7	6.2
3	13330.00	48.4 PK	74.0	-25.6	2.89 H	50	35.1	13.3
4	13330.00	38.0 AV	54.0	-16.0	2.89 H	50	24.7	13.3
5	19995.00	54.9 PK	74.0	-19.1	1.44 H	309	57.6	-2.7
6	19995.00	43.6 AV	54.0	-10.4	1.44 H	309	46.3	-2.7

Remarks:

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

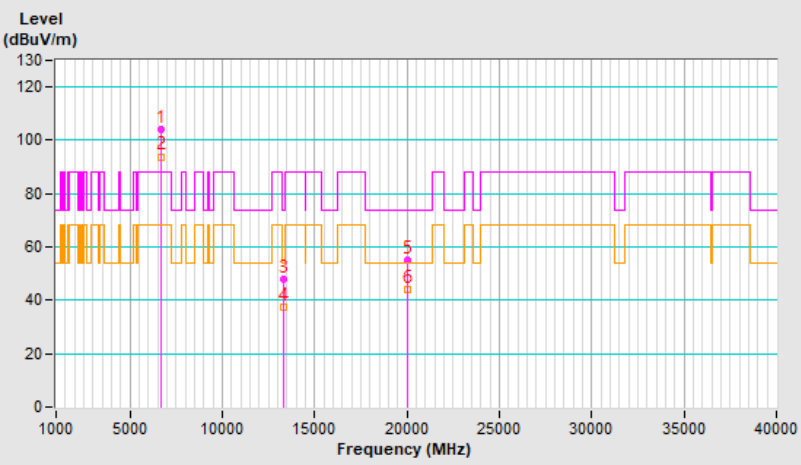


RF Mode	802.11ax (HE160)	Channel	CH 143：6665 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6665.00	103.9 PK			1.17 V	30	97.7	6.2
2	*6665.00	93.9 AV			1.17 V	30	87.7	6.2
3	13330.00	47.7 PK	74.0	-26.3	2.85 V	37	34.4	13.3
4	13330.00	37.2 AV	54.0	-16.8	2.85 V	37	23.9	13.3
5	19995.00	55.1 PK	74.0	-18.9	1.38 V	318	57.8	-2.7
6	19995.00	43.9 AV	54.0	-10.1	1.38 V	318	46.6	-2.7

Remarks:

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

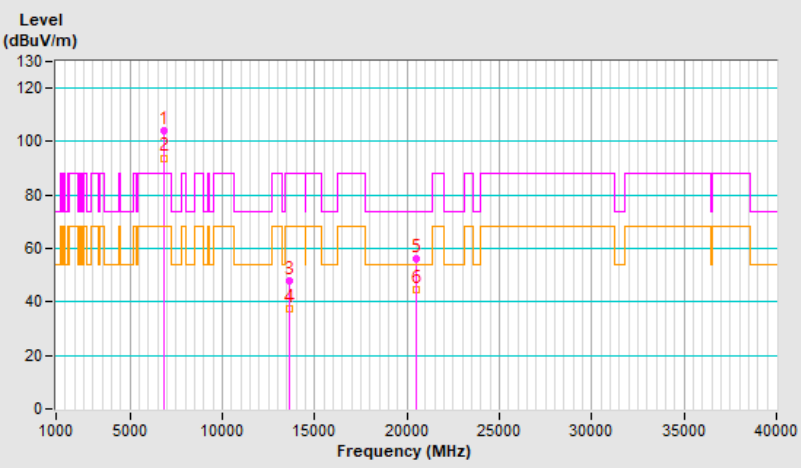


RF Mode	802.11ax (HE160)	Channel	CH 175：6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6825.00	104.0 PK			1.89 H	74	97.7	6.3
2	*6825.00	93.9 AV			1.89 H	74	87.6	6.3
3	#13650.00	47.9 PK	88.2	-40.3	2.84 H	47	33.6	14.3
4	#13650.00	37.5 AV	68.2	-30.7	2.84 H	47	23.2	14.3
5	20475.00	56.0 PK	74.0	-18.0	1.38 H	320	57.2	-1.2
6	**20475.00**	**44.4 AV**	**54.0**	**-9.6**	**1.38 H**	**320**	**45.6**	**-1.2**

Remarks:

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

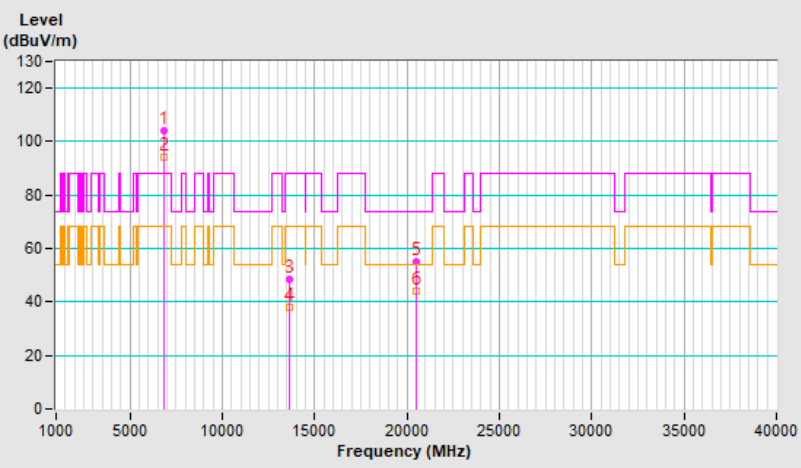


RF Mode	802.11ax (HE160)	Channel	CH 175：6825 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6825.00	104.0 PK			1.13 V	38	97.7	6.3
2	*6825.00	94.0 AV			1.13 V	38	87.7	6.3
3	#13650.00	48.2 PK	88.2	-40.0	2.91 V	52	33.9	14.3
4	#13650.00	37.8 AV	68.2	-30.4	2.91 V	52	23.5	14.3
5	20475.00	55.3 PK	74.0	-18.7	1.38 V	330	56.5	-1.2
6	20475.00	43.8 AV	54.0	-10.2	1.38 V	330	45.0	-1.2

Remarks:

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

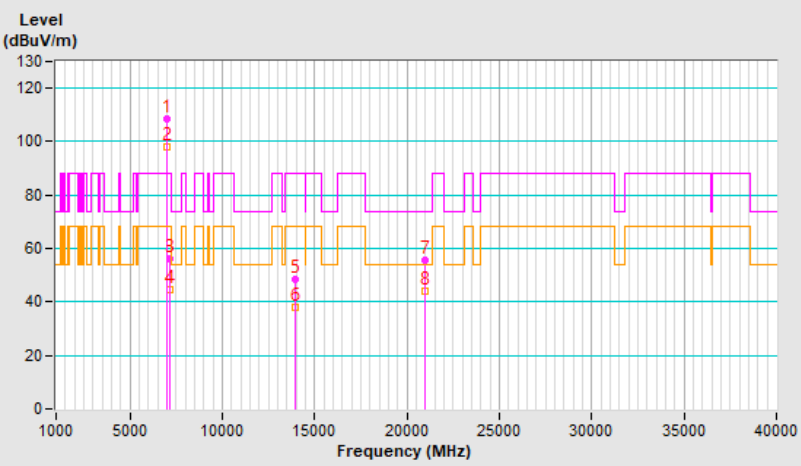


RF Mode	802.11ax (HE160)	**Channel**	CH 207：6985 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	*6985.00	108.7 PK			1.67 H	294	101.3	7.4
2	*6985.00	97.9 AV			1.67 H	294	90.5	7.4
3	#7125.00	56.3 PK	88.2	-31.9	1.67 H	294	48.3	8.0
4	#7125.00	44.8 AV	68.2	-23.4	1.67 H	294	36.8	8.0
5	#13970.00	48.3 PK	88.2	-39.9	2.85 H	29	33.6	14.7
6	#13970.00	37.9 AV	68.2	-30.3	2.85 H	29	23.2	14.7
7	20955.00	55.7 PK	74.0	-18.3	1.47 H	309	57.2	-1.5
8	20955.00	44.2 AV	54.0	-9.8	1.47 H	309	45.7	-1.5

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.

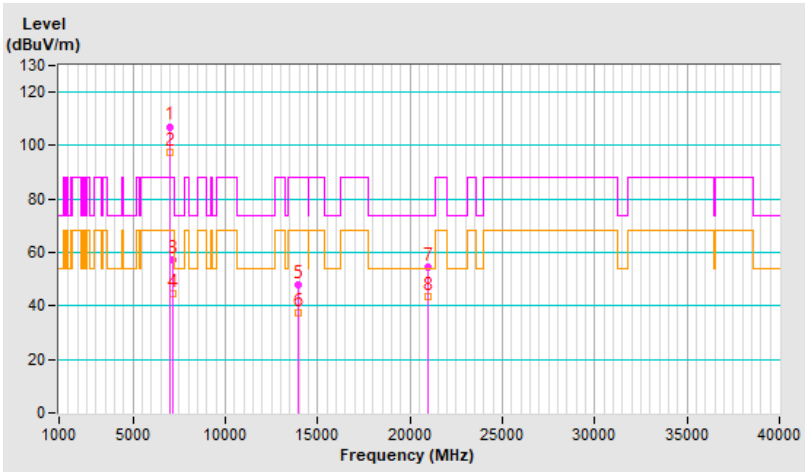


RF Mode	802.11ax (HE160)	Channel	CH 207：6985 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23°C, 71% RH
Tested By	Louis Yang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*6985.00	107.1 PK			1.14 V	38	99.7	7.4
2	*6985.00	97.3 AV			1.14 V	38	89.9	7.4
3	#7125.00	57.3 PK	88.2	-30.9	1.14 V	38	49.3	8.0
4	#7125.00	44.8 AV	68.2	-23.4	1.14 V	38	36.8	8.0
5	#13970.00	48.1 PK	88.2	-40.1	2.86 V	36	33.4	14.7
6	#13970.00	37.3 AV	68.2	-30.9	2.86 V	36	22.6	14.7
7	20955.00	54.7 PK	74.0	-19.3	1.39 V	326	56.2	-1.5
8	20955.00	43.5 AV	54.0	-10.5	1.39 V	326	45.0	-1.5

Remarks:

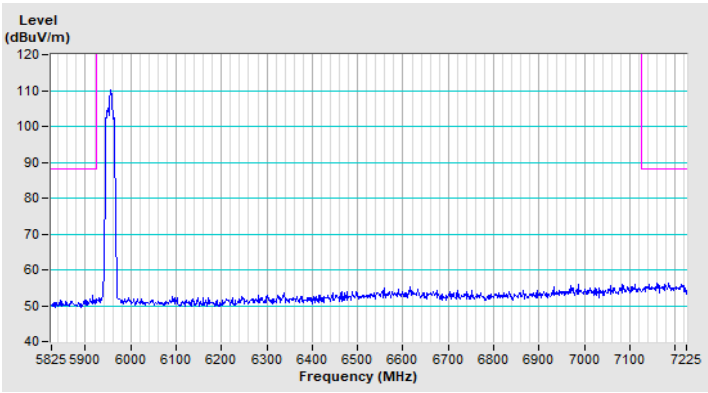
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency,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



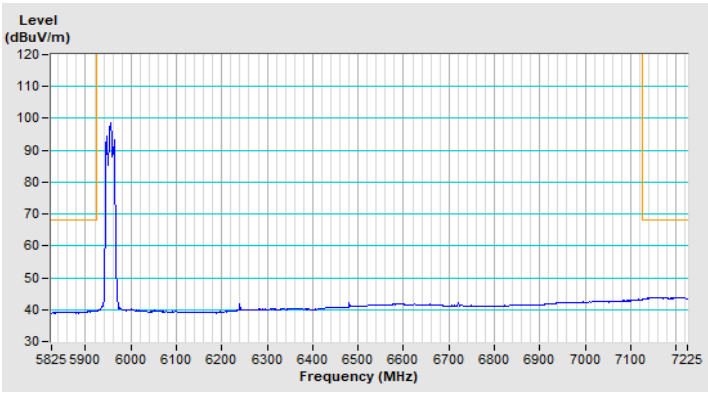
Plot of Band Edge

Frequency Range	5.825 GHz ~ 7.225 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

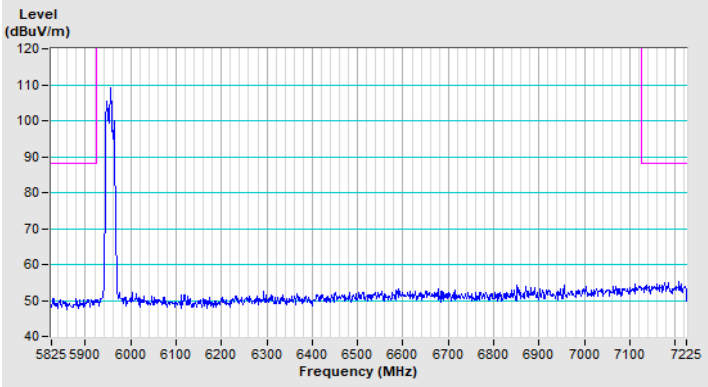
802.11ax (HE20) Channel 1



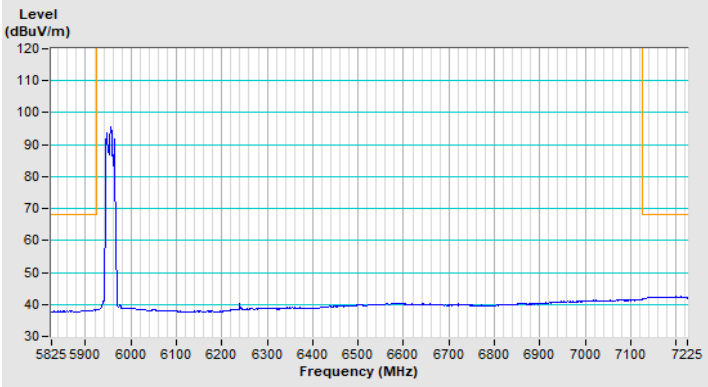
Horizontal (Peak)



Horizontal (Average)

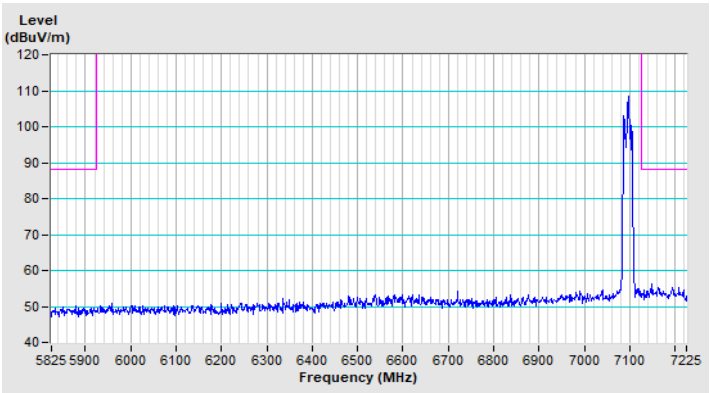


Vertical (Peak)

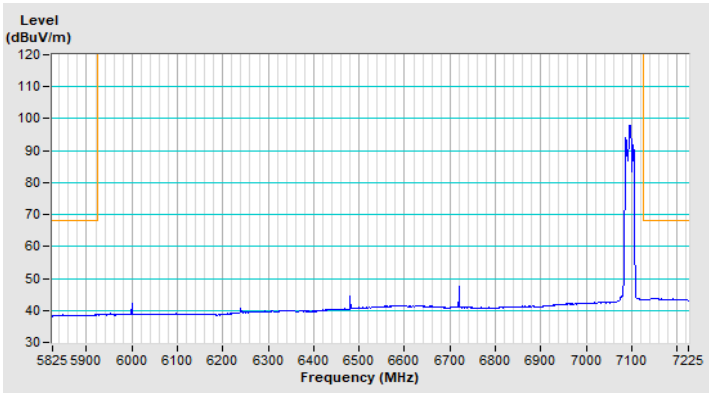


Vertical (Average)

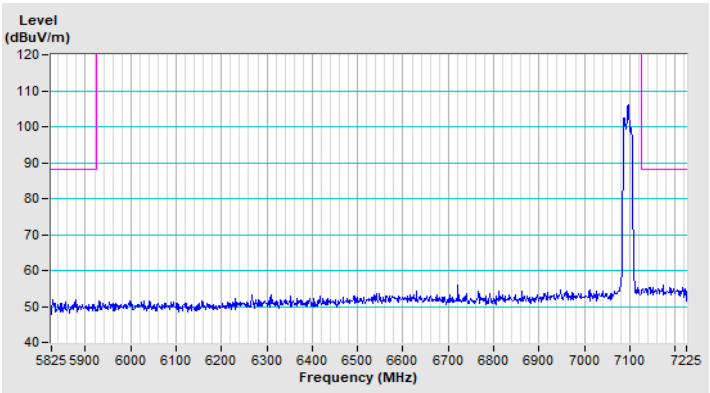
802.11ax (HE20) Channel 229



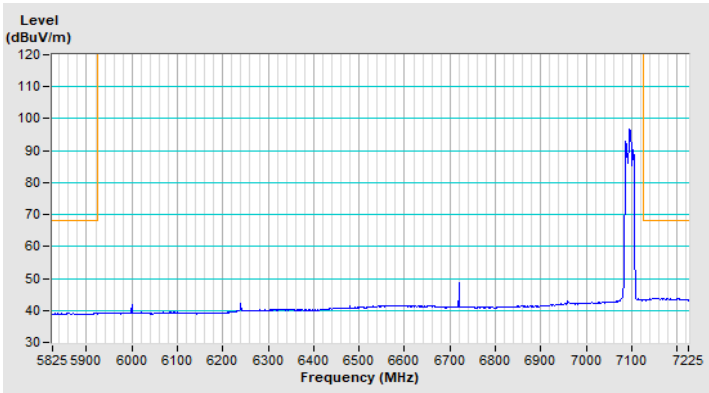
Horizontal (Peak)



Horizontal (Average)



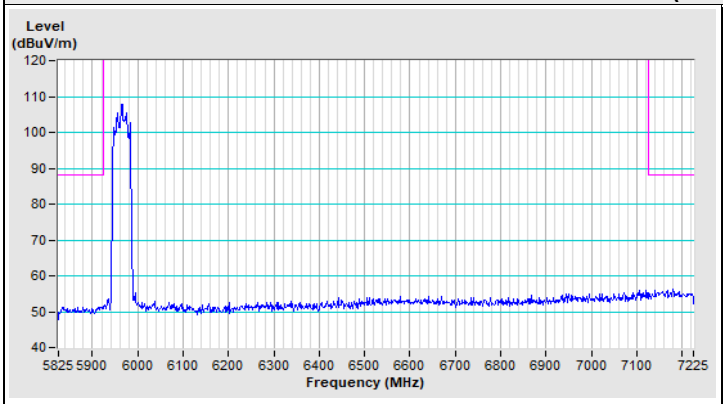
Vertical (Peak)



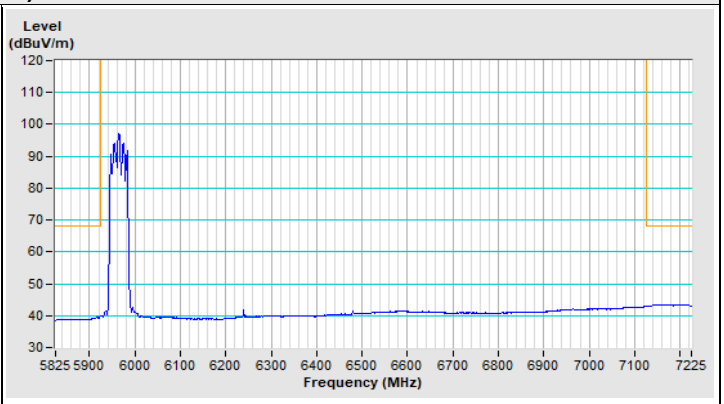
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.225 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

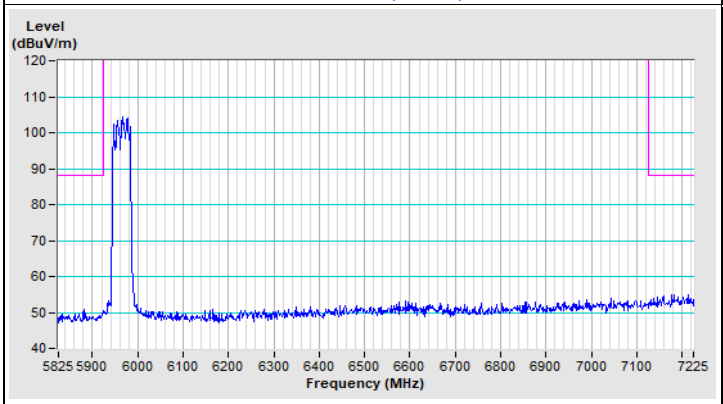
802.11ax (HE40) Channel 3



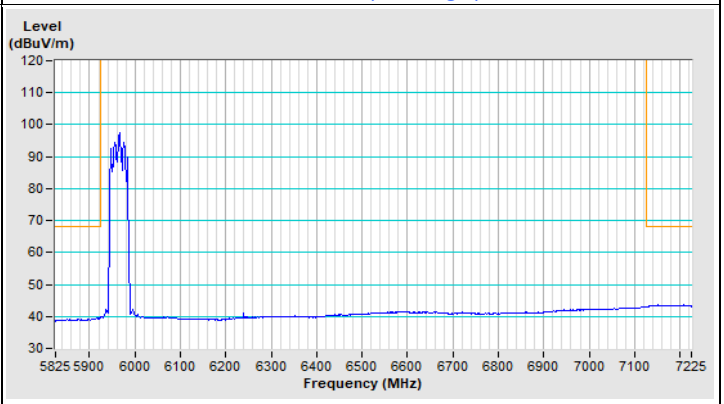
Horizontal (Peak)



Horizontal (Average)

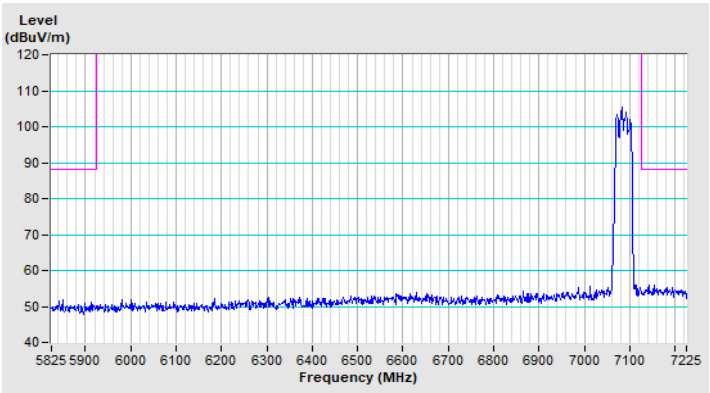


Vertical (Peak)

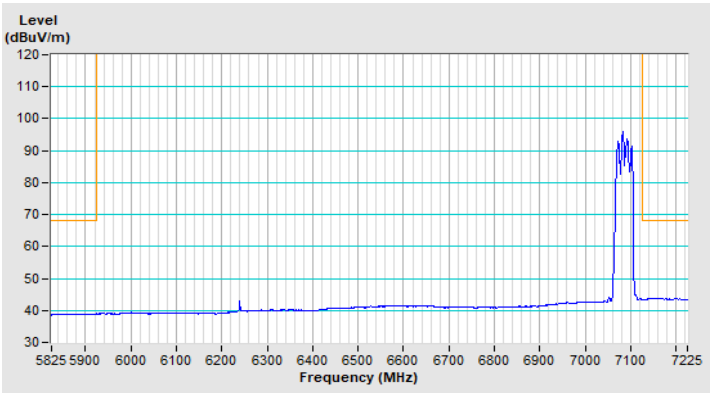


Vertical (Average)

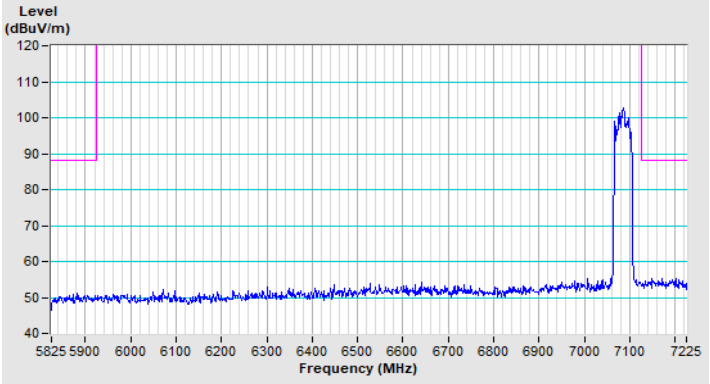
802.11ax (HE40) Channel 227



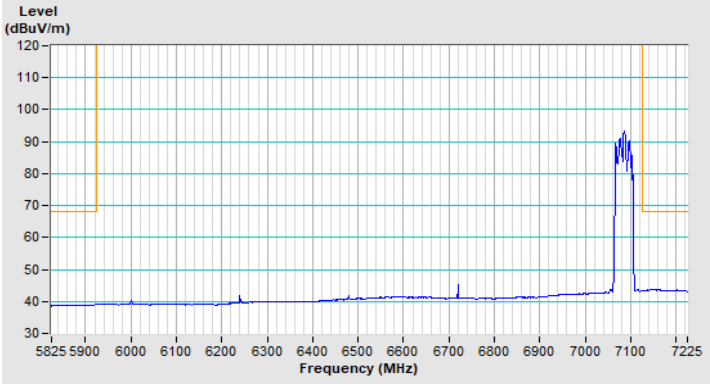
Horizontal (Peak)



Horizontal (Average)



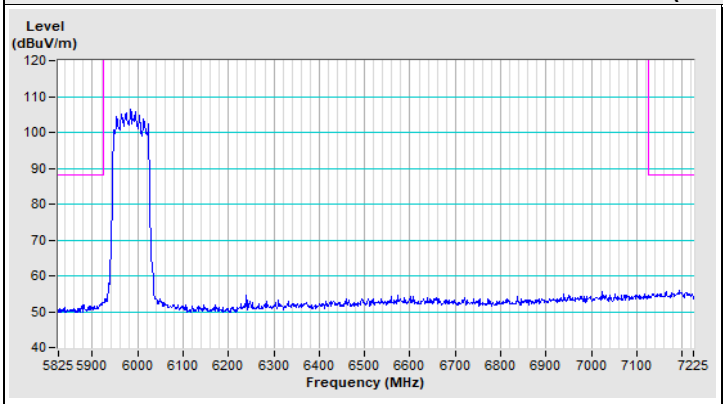
Vertical (Peak)



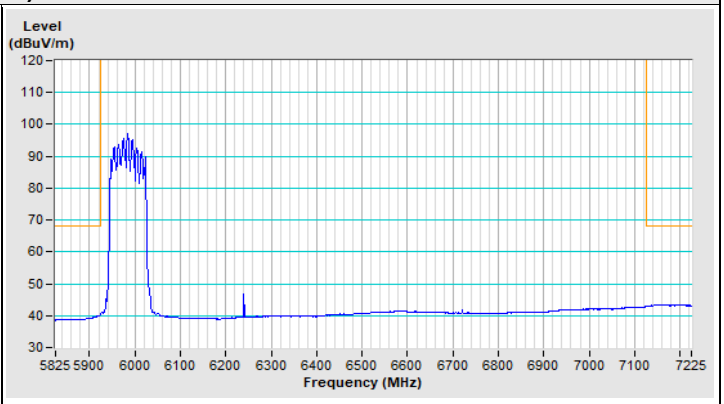
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.225 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

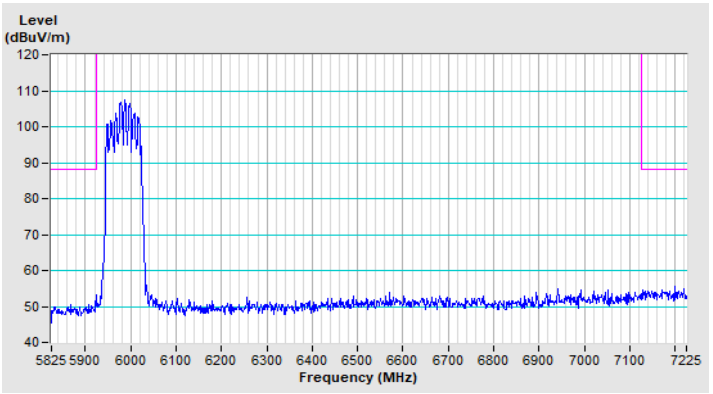
802.11ax (HE80) Channel 7



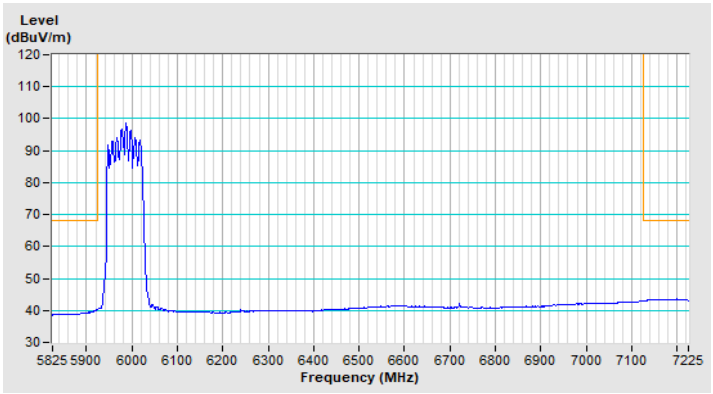
Horizontal (Peak)



Horizontal (Average)

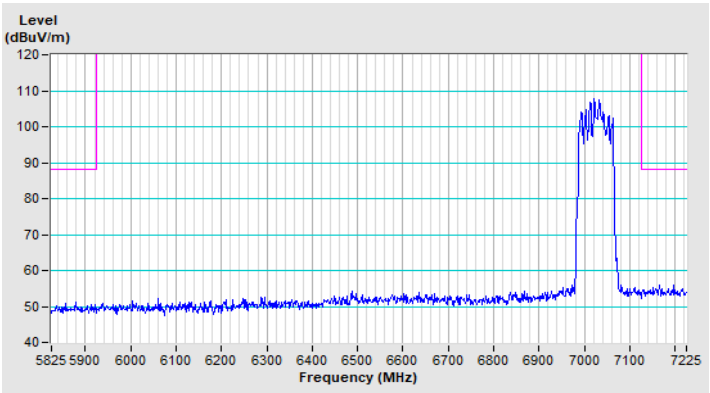


Vertical (Peak)

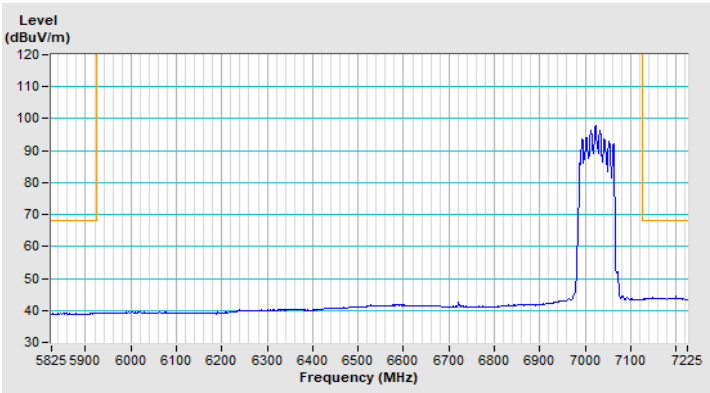


Vertical (Average)

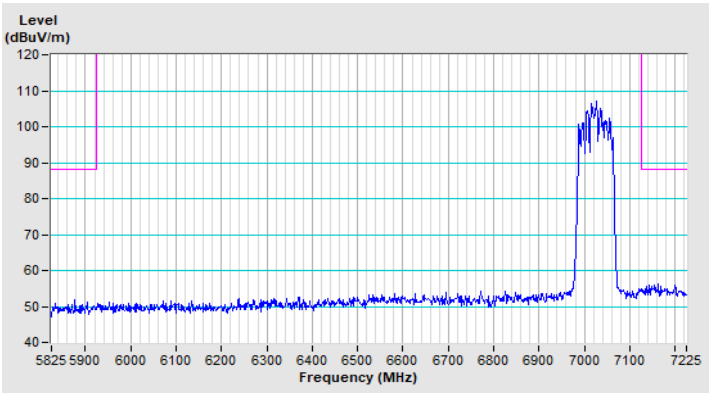
802.11ax (HE80) Channel 215



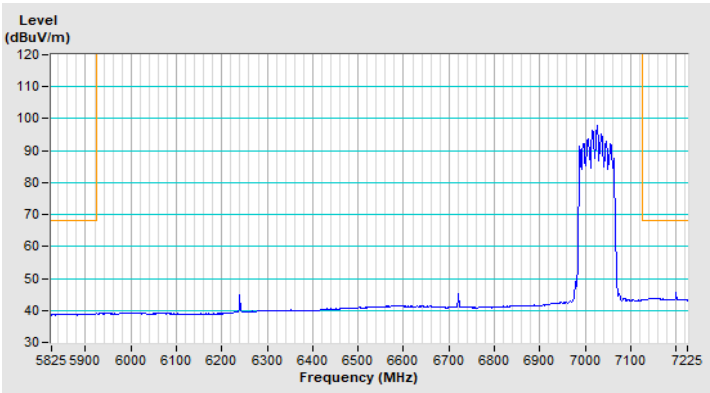
Horizontal (Peak)



Horizontal (Average)



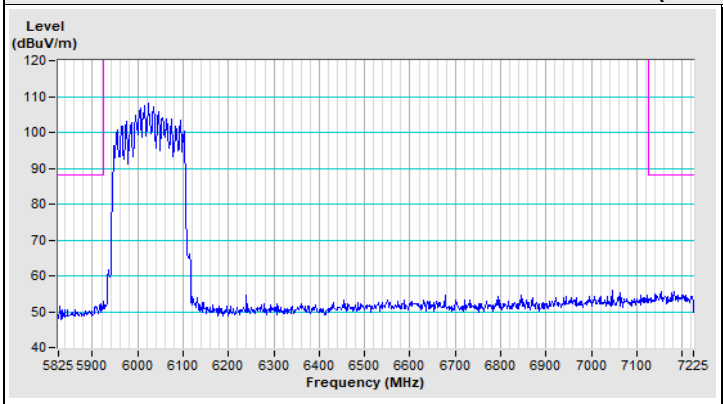
Vertical (Peak)



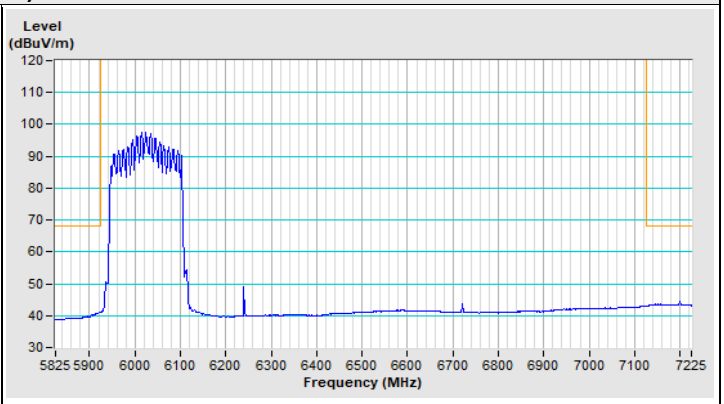
Vertical (Average)

Frequency Range	5.825 GHz ~ 7.225 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=10 Hz, DET=Peak

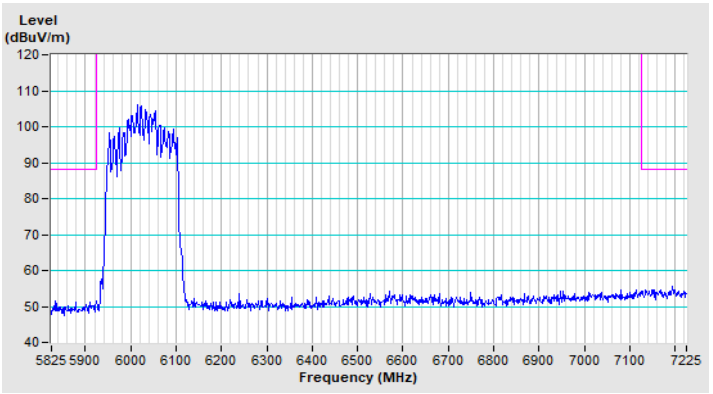
802.11ax (HE160) Channel 15



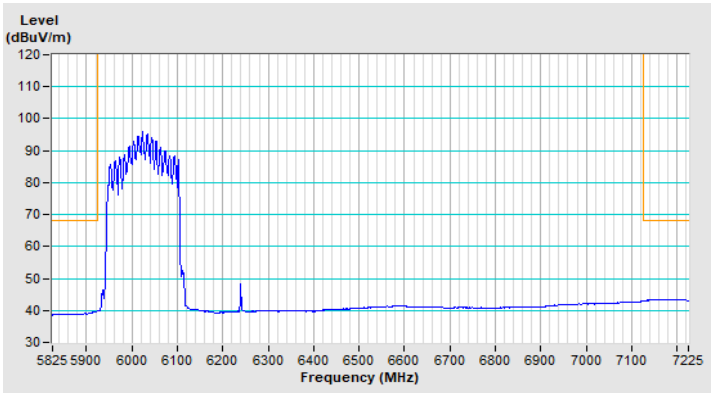
Horizontal (Peak)



Horizontal (Average)

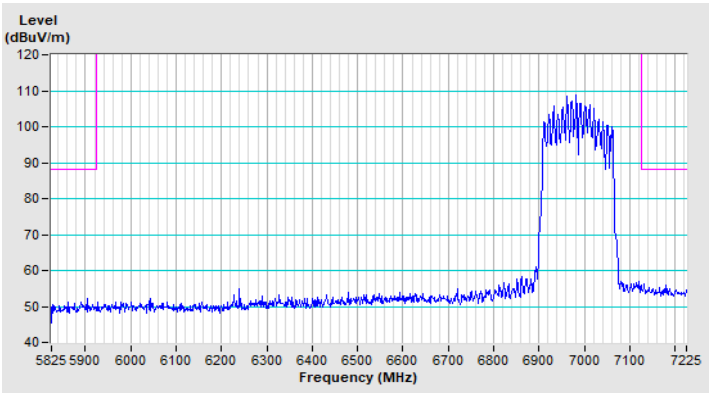


Vertical (Peak)

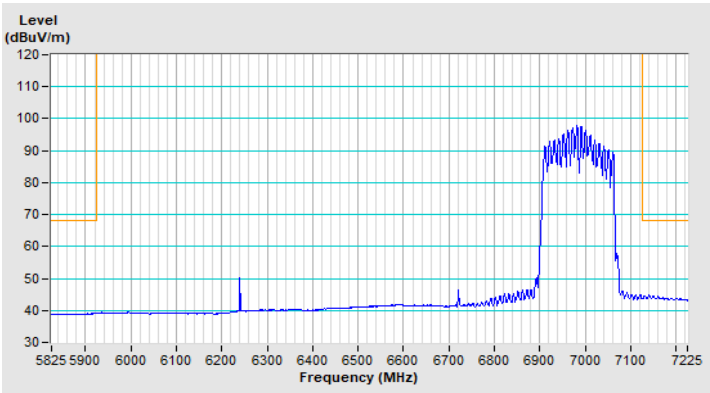


Vertical (Average)

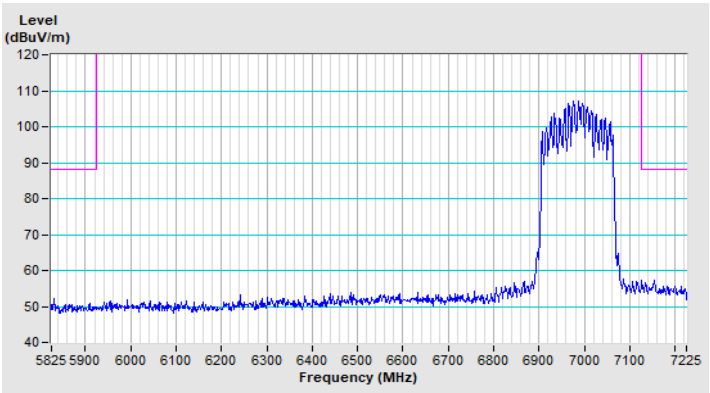
802.11ax (HE160) Channel 207



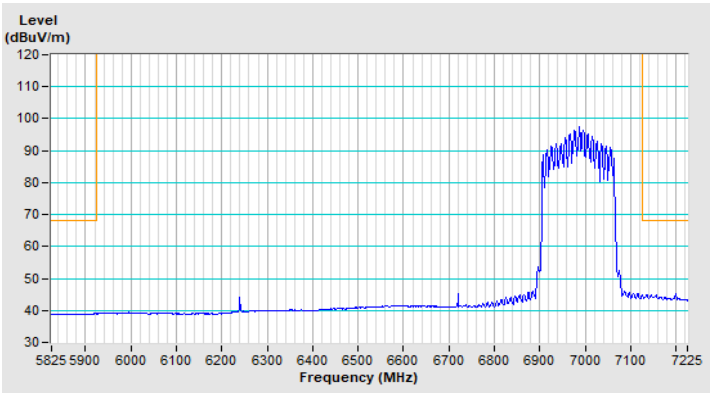
Horizontal (Peak)



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:

Lin Kou EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

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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