

# FCC Test Report

Product Name : Consumer Home Router  
Trade Name : Verizon  
Model No. : CR1000A  
FCC ID : NKR-LVSK-R2

Applicant : Wistron NeWeb Corporation  
Address : 20 Park Ave. II, Hsinchu Science Park, Hsinchu  
308, Taiwan

Date of Receipt : Oct. 21, 2020  
Issued Date : Jul. 07, 2021  
Report No. : 20A0549R-E3032110126-B  
Report Version : V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

The test results relate only to the samples tested.

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# Test Report Certification

Issued Date : Jul. 07, 2021

Report No. : 20A0549R-E3032110126-B



Product Name : Consumer Home Router  
 Applicant : Wistron NeWeb Corporation  
 Address : 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan  
 Manufacturer : Wistron NeWeb Corporation  
 Address : 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan  
 Trade Name : Verizon  
 Model No. : CR1000A  
 FCC ID : NKR-LVSK-R2  
 EUT Voltage : AC 100-120V, 50-60Hz  
 Testing Voltage : AC 120V/60Hz  
 Applicable Standard : FCC CFR Title 47 Part 15 Subpart E Section 15.407: 2018  
 ANSI C63.10: 2013  
 Laboratory Name : Hsin Chu Laboratory  
 Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township,  
 Hsinchu County 310, Taiwan, R.O.C.  
 TEL: +886-3-582-8001 / FAX: +886-3-582-8958  
 Test Result : Complied

Documented By :

( Carol Tsai / Senior Engineering Adm. Specialist )

Tested By :

( Elwin Lin / Engineer )

Approved By :

( Louis Hsu / Deputy Manager )

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of DEKRA Testing and Certification Co., Ltd.

### Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Jul. 07, 2021

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## 1. General Information

### 1.1. EUT Description

Product Name	Consumer Home Router	
Trade Name	Verizon	
Model No.	CR1000A	
Frequency Range / Channel Number	IEEE 802.11a/ax (20MHz)	6115~7095MHz / 50 Channels
	IEEE 802.11ax (40MHz)	6125~7085MHz / 25 Channels
	IEEE 802.11ax (80MHz)	6145~7025MHz / 12 Channels
	IEEE 802.11ax (160MHz)	6185~6985Hz / 6 Channels
Type of Modulation	IEEE 802.11a/ax	OFDM / OFDMA
Data Speed	IEEE 802.11a	6, 9, 18, 24, 36, 48, 54Mbps
	IEEE 802.11ax	Support a subset of the combination of GI, MCS 0~MCS 11 and bandwidth defined

Note: The EUT can support beamforming function for 802.11ax mode.

Accessories Information					
No.	Equipment Name	Brand	Model No.	Rating	Remark
1	Adapter 1	LUCENT TRANS	1A98-1250	INPUT: 100-120V~1.6A, 50-60Hz OUTPUT: DC 12.0V $\approx$ 5.0A, 60W	With power cable : Non-Shielded, 1.8m
No.	Equipment Name	Description			
2	LAN Cable	Non-Shielded, 3m			

Antenna Information								
Ant.	Brand	Model No.	Type	Connector	Antenna Gain (dBi)			
					U-NII 5	U-NII 6	U-NII 7	U-NII 8
0	WNC	Dual Ant1	Dipole Antenna	I-PEX	3.06	2.22	1.02	2.02
1		Dual Ant2		I-PEX	2.07	0.14	0.10	-0.93
2		Dual Ant3		I-PEX	2.38	0.86	0.59	0.08
3		Dual Ant4		I-PEX	0.58	-1.45	-0.13	2.01

Note:

Wi-Fi 6GHz has four antennas as below,

Ant\_0 and Ant\_2 are the same polarization antennas. (Horizontal)

Ant\_1 and Ant\_3 are the same polarization antennas. (Vertical)

(Ant\_0+Ant\_2) and (Ant\_1+Ant\_3) are the Cross-Polarized Pair Antenna.

The above antenna information is declared by the manufacturer.

Ant.	Directional Gain for Power (dBi)				Directional Gain for PSD and Beamforming (dBi)			
	U-NII 5	U-NII 6	U-NII 7	U-NII 8	U-NII 5	U-NII 6	U-NII 7	U-NII 8
0~3	3.06	2.22	1.02	2.02	5.74	4.58	3.82	4.11

Note:

According to the KDB 662911 D01 v02r01,

1. Directional Gain for Power

Directional gain =  $G_{ANT} + \text{Array Gain}$

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

Directional gain =  $G_{ANT(highest)}$

2. Directional Gain for PSD and Beamforming

Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$  dBi

Antenna	Directional gain (dBi)			
	B5	B6	B7	B8
Ant_0 & Ant_2	5.74	4.58	3.82	4.11
Ant_1 & Ant_3	4.37	2.39	3.00	3.67

**For IEEE 802.11a/ax Mode: (4TX, 4RX)**

Both Ant. 0~Ant. 3 can be used as transmitting/receiving antennas, and they can transmit/receive signal simultaneously.

**IEEE 802.11a/ax (20MHz)**

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
33	6115MHz	37	6135MHz	41	6155MHz	45	6175MHz
49	6195MHz	53	6215MHz	57	6235MHz	61	6255MHz
65	6275MHz	69	6295MHz	73	6315MHz	77	6335MHz
81	6355MHz	85	6375MHz	89	6395MHz	93	6415MHz
97	6435MHz	101	6455MHz	105	6475MHz	109	6495MHz
113	6515MHz	117	6535MHz	121	6555MHz	125	6575MHz
129	6595MHz	133	6615MHz	137	6635MHz	141	6655MHz
145	6675MHz	149	6695MHz	153	6715MHz	157	6735MHz
161	6755MHz	165	6775MHz	169	6795MHz	173	6815MHz
177	6835MHz	181	6855MHz	185	6875MHz	189	6895MHz
193	6915MHz	197	6935MHz	201	6955MHz	205	6975MHz
209	6995MHz	213	7015MHz	217	7035MHz	221	7055MHz
225	7075MHz	229	7095MHz	-	-	-	-

**IEEE 802.11ax (40MHz)**

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
35	6125MHz	43	6165MHz	51	6205MHz	59	6245MHz
67	6285MHz	75	6325MHz	83	6365MHz	91	6405MHz
99	6445MHz	107	6485MHz	115	6525MHz	123	6565MHz
131	6605MHz	139	6645MHz	147	6685MHz	155	6725MHz
163	6765MHz	171	6805MHz	179	6845MHz	187	6885MHz
195	6925MHz	203	6965MHz	211	7005MHz	219	7045MHz
227	7085MHz	-	-	-	-	-	-

**IEEE 802.11ax (80MHz)**

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
39	6145MHz	55	6225MHz	71	6305MHz	87	6385MHz
103	6465MHz	119	6545MHz	135	6625MHz	151	6705MHz
167	6785MHz	183	6865MHz	199	6945MHz	215	7025MHz



**IEEE 802.11ax (160MHz)**

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
47	6185MHz	79	6345MHz	111	6505MHz	143	6665MHz
175	6825MHz	207	6985MHz	-	-	-	-

## Note:

1. Regards to the frequency band operation; the lowest , middle and highest frequency of channel were selected to perform the test, and then shown on this report.
2. The EUT description is from the customer declaration.

## 1.2. Test Mode

DEKRA has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

Test Items	Modulation	Channel	Antenna	Result
Conducted Emission	11ax (160MHz)	207	0+1+2+3	Pass
99% & 26dB Bandwidth	11a	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (20MHz)	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (40MHz)	35/59/91/99/107/115/123/ 155/179/187/195/211/227	0+1+2+3	Pass
	11ax (80MHz)	39/55/87/103/119/135/151/ 167/183/199/215	0+1+2+3	Pass
	11ax (160MHz)	47/79/111/143/175/207	0+1+2+3	Pass
Transmit Output	11a	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (20MHz)	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (40MHz)	35/59/91/99/107/115/123/ 155/179/187/195/211/227	0+1+2+3	Pass
	11ax (80MHz)	39/55/87/103/119/135/151/ 167/183/199/215	0+1+2+3	Pass
	11ax (160MHz)	47/79/111/143/175/207	0+1+2+3	Pass
Peak Power Spectral Density	11a	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (20MHz)	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (40MHz)	35/59/91/99/107/115/123/ 155/179/187/195/211/227	0+1+2+3	Pass
	11ax (80MHz)	39/55/87/103/119/135/151/ 167/183/199/215	0+1+2+3	Pass
	11ax (160MHz)	47/79/111/143/175/207	0+1+2+3	Pass
Radiated Emission	a	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (20MHz)	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (40MHz)	35/59/91/99/107/115/123/ 155/179/187/195/211/227	0+1+2+3	Pass
	11ax (80MHz)	39/55/87/103/119/135/151/ 167/183/199/215	0+1+2+3	Pass
	11ax (160MHz)	47/79/111/143/175/207	0+1+2+3	Pass

Test Items	Modulation	Channel	Antenna	Result
Band Edge	a	33/61/93/189/209/229	0+1+2+3	Pass
	11ax (20MHz)	33/61/93/189/209/229	0+1+2+3	Pass
	11ax (40MHz)	35/59/91/195/211/227	0+1+2+3	Pass
	11ax (80MHz)	39/55/87/199/215	0+1+2+3	Pass
	11ax (160MHz)	47/79/207	0+1+2+3	Pass
In-Ban Emission (Mask)	a	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (20MHz)	33/61/93/97/105/113/117/ 149/181/185/189/209/229	0+1+2+3	Pass
	11ax (40MHz)	35/59/91/99/107/115/123/ 155/179/187/195/211/227	0+1+2+3	Pass
	11ax (80MHz)	39/55/87/103/119/135/151/ 167/183/199/215	0+1+2+3	Pass
	11ax (160MHz)	47/79/111/143/175/207	0+1+2+3	Pass
Contention-Based Protocol	11ax (20MHz)	33/97/117/189	0+1+2+3	Pass
	11ax (160MHz)	47/111/143/207	0+1+2+3	Pass

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

The following test modes were performed for all tests:

Conducted Emissions Test		
Test Mode		Description
CTX	1	EUT + Adapter

Radiated Emission Below 1GHz Test		
Test Mode		Description
CTX	1	EUT + Adapter

Contention-Based Protocol Test		
Test Mode		Description
Normal	1	EUT + Adapter

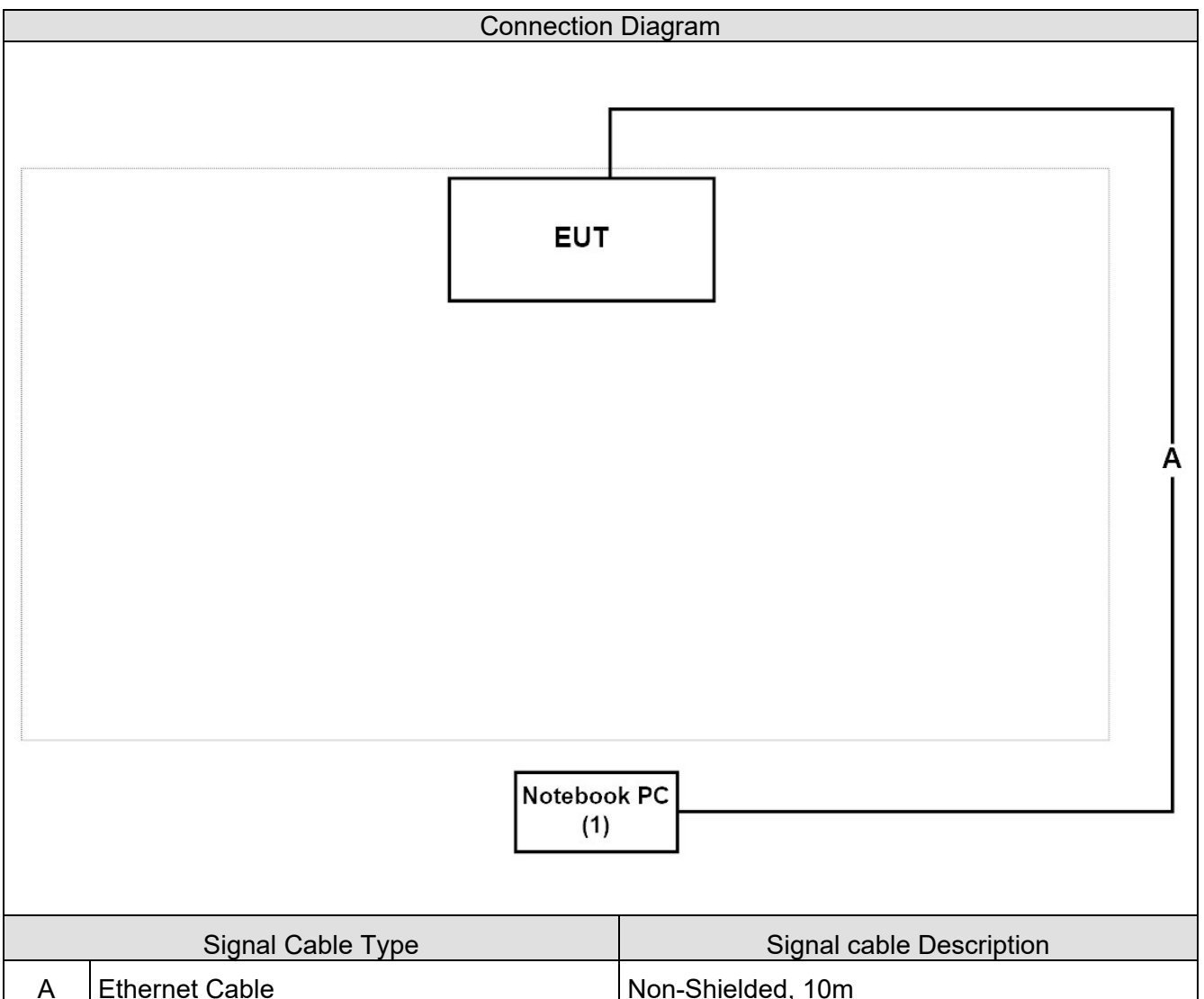
Other Tests		
Test Mode		Description
CTX	1	EUT + Adapter with non-beamforming mode
	2	EUT + Adapter with beamforming mode

### 1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1   Notebook PC	Dell	Latitude E6320	8611271467	DoC	Non-Shielded, 1.8m

### 1.4. Configuration of tested System



## **1.5. Operation Descriptions**

### **<Normal function>**

During the test, the EUT operation to normal function.

### **<CTX function>**

During the test, QRCT and QDART programs under WIN10 was executed the test program to control the EUT continuously transmit RF signal.

## **1.6. Comments and Remarks**

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

## 1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required	Test Site
Temperature (°C)	Conducted Emission	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	99% & 26dB Bandwidth	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	Transmit Output	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	Peak Power Spectral Density	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	Radiated Emission	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	Band Edge	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	In-Ban Emission (Mask)	15 - 35	1
Humidity (%RH)		25 - 75	
Temperature (°C)	Contention-Based Protocol	15 - 35	1
Humidity (%RH)		25 - 75	

Note: Test site information refers to Laboratory Information.

**USA : FCC Registration Number: TW3024**  
**Canada : IC Registration Number: 22397-1 / 22397-2 / 22397-3**

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: <http://www.dekra.com.tw>

If you have any comments, please don't hesitate to contact us. Our test sites as below:

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
Address	1. No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. 2. No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C.
Phone number	1. +886-3-582-8001 2. +886-3-582-8001
Fax number	1. +886-3-582-8958 2. +886-3-582-8958
Email address	<a href="mailto:info.tw@dekra.com">info.tw@dekra.com</a>
Website	<a href="http://www.dekra.com.tw">http://www.dekra.com.tw</a>

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction	SR2-H	Max Chang	25 / 68	2021/5/31
RF Conducted (99% & 26dB Bandwidth)	SR12-H	Elwin Lin	21 / 58	2021/4/14~2021/7/7
RF Conducted (Transmit Output)	SR12-H	Elwin Lin	23.5 / 55	2021/4/19~2021/5/13
RF Conducted (Peak Power Spectral Density)	SR12-H	Elwin Lin	23.5 / 55	2021/4/28~2121/5/15
Radiated (Radiated Emission)	CB4-H	Elwin Lin	19 / 58	2021/2/22~2021/5/25
Radiated (Band Edge)	CB4-H	Elwin Lin	19 / 58	2021/2/19~2021/4/28
RF Conducted (In-Ban Emission (Mask))	SR12-H	Elwin Lin	23 / 66	2021/4/27~2021/5/22
RF Conducted (Contention-Based Protocol)	SR12-H	Elwin Lin	25 / 59	2021/5/3~2021/5/5



## 1.8. List of Test Equipment

### Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2020/12/24	2021/12/23
Test Receiver	R&S	ESCS 30	836858/022	2021/02/22	2022/02/21
LISN	R&S	ENV216	100092	2020/06/22	2021/06/21

### 99% & 26dB Bandwidth / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2021/05/14	2022/05/13
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2021/05/28	2022/05/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

### Transmit Output / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2020/11/30	2021/11/29
Pulse Power Sensor	Anritsu	MA2411B	1531043	2020/11/30	2021/11/29
Pulse Power Sensor	Anritsu	MA2411B	1531044	2020/11/30	2021/11/29
Power Meter	Keysight	8990B	MY51000248	2021/05/21	2022/05/20
Power Sensor	Keysight	N1923A	MY57240005	2021/05/21	2022/05/20

### Peak Power Spectral Density / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2021/05/14	2022/05/13
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2021/05/28	2022/05/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

## Radiated Emission / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30
Signal Analyzer	R&S	FSVA40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2021/02/26	2022/02/25
Horn Antenna	Schwarzbeck	BBHA 9120D	01640	2020/09/17	2021/09/16
Horn Antenna	Schwarzbeck	BBHA 9170	203	2021/03/11	2022/03/10
Pre-Amplifier	EMCI	EMC01820I	980364	2020/09/14	2021/09/13
Pre-Amplifier	EMCI	EMC0031835	980233	2020/12/07	2021/12/06
Pre-Amplifier	DEKRA	AP-400C	201801231	2020/11/16	2021/11/15
Band Reject Filter	Micro-Tronics	BRM50702	G192	2021/03/04	2022/03/03
Band Reject Filter	Micro-Tronics	BRM50716	G089	2021/03/11	2022/03/10
Wideband Radio Communication Tester	R&S	CMW500	106071	2021/01/27	2022/01/26
Wireless Conn. Tseter	R&S	CMW500	157118	2020/07/23	2021/07/22
Coaxial Cable(10m)	Suhner	SF102_SF104	CB4-H	2021/04/25	2022/04/24
DEKRA Testing System	DEKRA	Version 2.0	CB4-H	NA	NA

## Band Edge / CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2020/10/12	2021/10/11
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30
Signal Analyzer	R&S	FSVA40	101435	2020/06/24	2021/06/23
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2021/01/25	2022/01/24
Bilog Antenna	Teseq	CBL6112D	23191	2021/02/26	2022/02/25
Horn Antenna	Schwarzbeck	BBHA 9120D	01640	2020/09/17	2021/09/16
Horn Antenna	Schwarzbeck	BBHA 9170	203	2021/03/11	2022/03/10
Pre-Amplifier	EMCI	EMC01820I	980364	2020/09/14	2021/09/13
Pre-Amplifier	EMCI	EMC0031835	980233	2020/12/07	2021/12/06
Pre-Amplifier	DEKRA	AP-400C	201801231	2020/11/16	2021/11/15
Band Reject Filter	Micro-Tronics	BRM50702	G192	2021/03/04	2022/03/03
Band Reject Filter	Micro-Tronics	BRM50716	G089	2021/03/11	2022/03/10
Wideband Radio Communication Tester	R&S	CMW500	106071	2021/01/27	2022/01/26
Wireless Conn. Tseter	R&S	CMW500	157118	2020/07/23	2021/07/22
Coaxial Cable(10m)	Suhner	SF102_SF104	CB4-H	2021/04/25	2022/04/24
DEKRA Testing System	DEKRA	Version 2.0	CB4-H	NA	NA

## In-Ban Emission (Mask) / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2021/05/14	2022/05/13
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2021/05/28	2022/05/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

## Contention-Based Protocol / SR12-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2021/05/14	2022/05/13
Spectrum Analyzer	Keysight	N9010B	MY57110159	2021/03/29	2022/03/28
Spectrum Analyzer	Agilent	N9010A	US47140172	2021/05/28	2022/05/27
Signal & Spectrum Analyzer	R&S	FSV40	101049	2021/03/31	2022/03/30

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

## 1.9. Uncertainty

Test Item	Uncertainty
Conducted Emission	$\pm 2.1$ dB
99% & 26dB Bandwidth	$\pm 637$ Hz
Transmit Output	$\pm 1.16$ dB
Peak Power Spectrum Density	$\pm 2.11$ dB
Radiated Emission	$\pm 3.40$ dB below 1GHz $\pm 3.46$ dB above 1GHz
Band Edge	$\pm 3.40$ dB below 1GHz $\pm 3.46$ dB above 1GHz

## 1.10. Duty Cycle

Non-beamforming mode

Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
11A	1.975	2.085	94.72%	0.470779	0.24	0.506
AX HE20_Full	1.720	2.285	75.27%	2.467155	1.23	0.581
AX HE40_Full	3.300	3.910	84.40%	1.473256	0.74	0.303
AX HE80_Full	0.700	0.910	76.92%	2.278867	1.14	1.429
AX HE160_Full	0.328	0.875	37.43%	8.535935	4.27	3.053
AX HE20_Center	5.371	5.802	92.57%	0.671050	0.34	0.186
AX HE40_Center	2.524	3.026	83.39%	1.577312	0.79	0.396
AX HE80_Center	0.704	0.891	79.00%	2.047532	1.02	1.420
AX HE160_Center	1.104	2.425	45.53%	6.834853	3.42	0.906
AX HE20_Edge	2.545	3.085	82.50%	1.671348	0.84	0.393
AX HE40_Edge	3.330	3.760	88.56%	1.054872	0.53	0.300
AX HE80_Edge	0.704	0.891	78.98%	2.049999	1.02	1.420
AX HE160_Edge	0.340	0.770	44.13%	7.105347	3.55	2.943

Note:

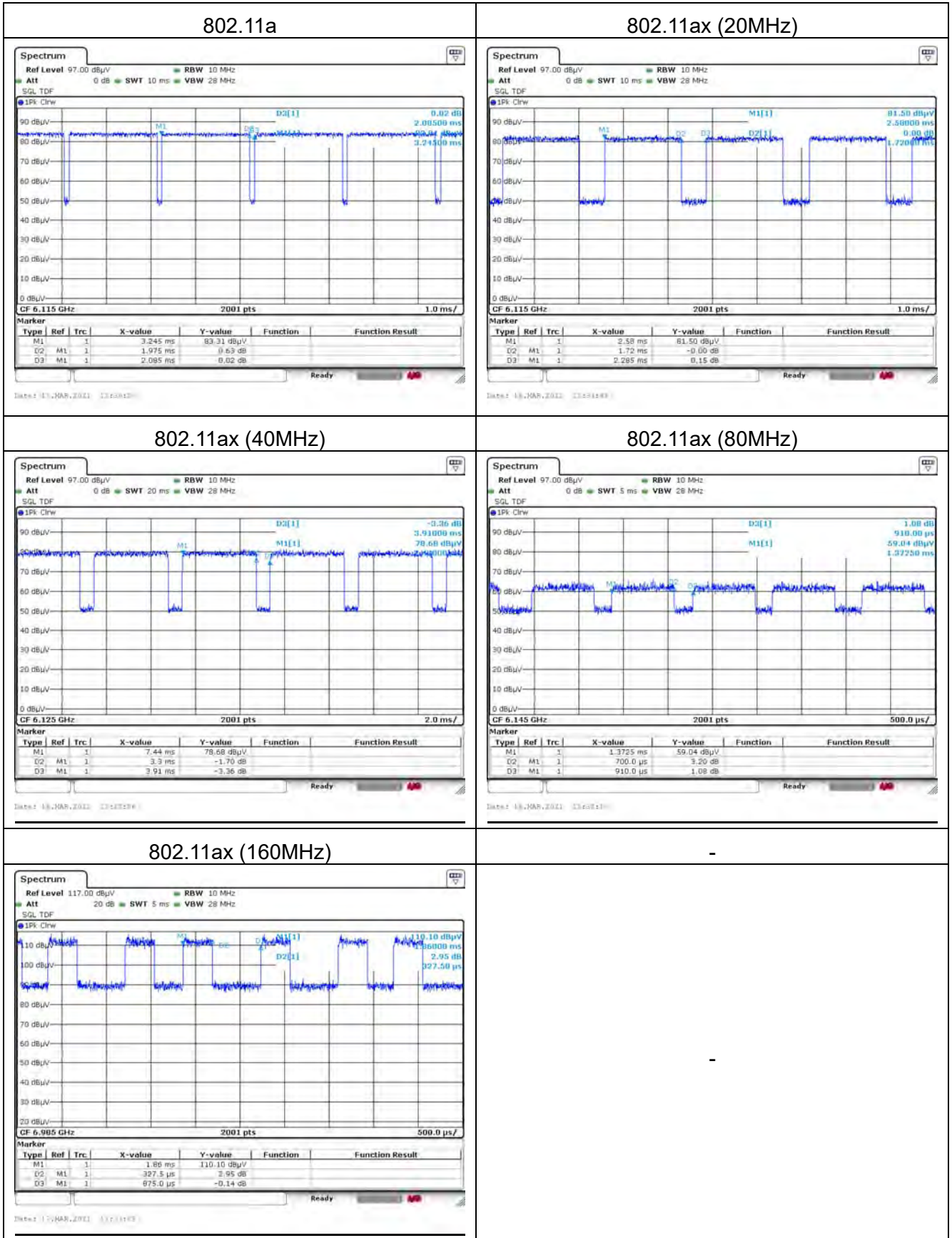
Offset =  $20 \log(1/\text{duty cycle})$

Accotding to KDB 789033

If power averaging (rms) mode was used in step (iv) above, the correction factor is  $10 \log(1/x)$ , where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

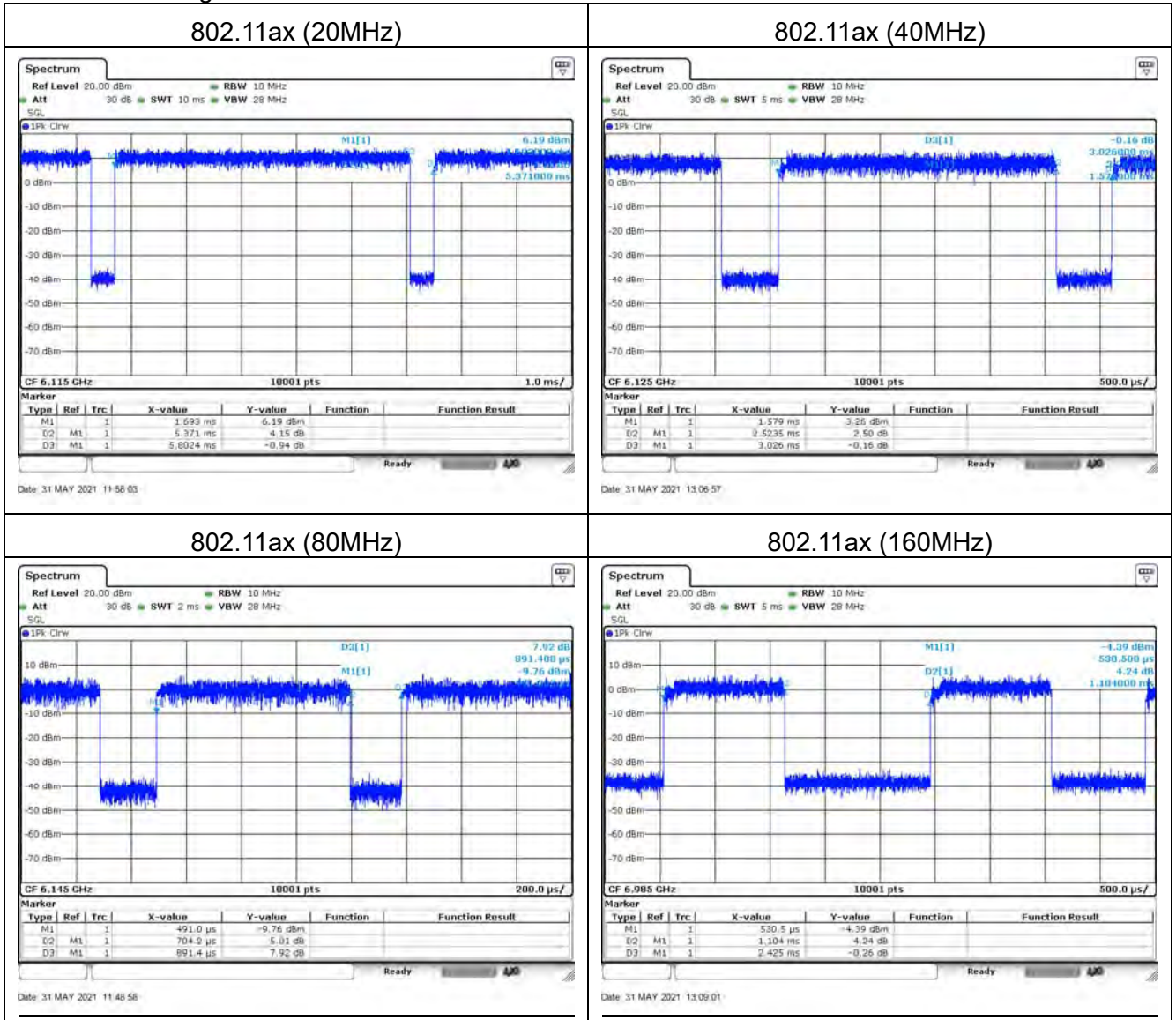
If linear voltage averaging mode was used in step (iv) above, the correction factor is  $20 \log(1/x)$ , where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

Non-beamforming mode for RU-Full



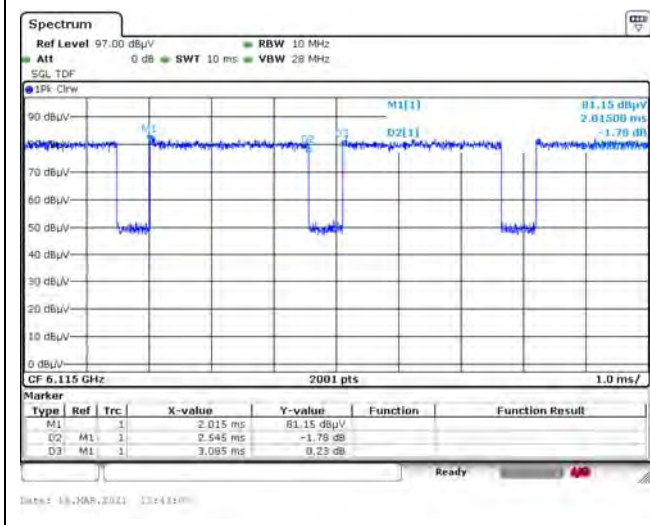


Non-beamforming mode for RU-Center

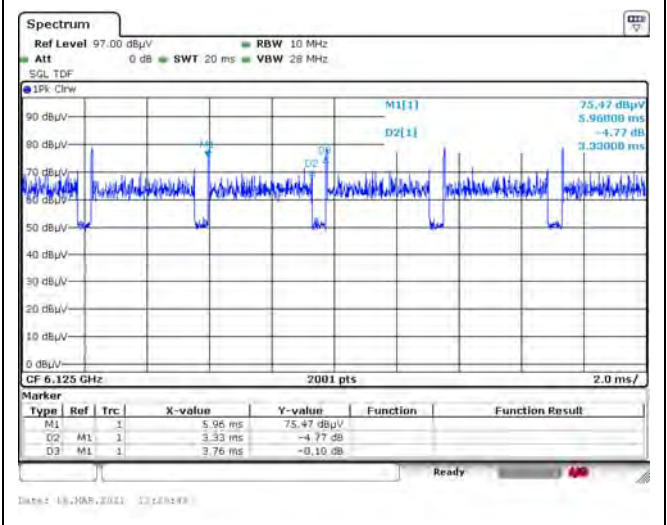


Non-beamforming mode for RU-Edge

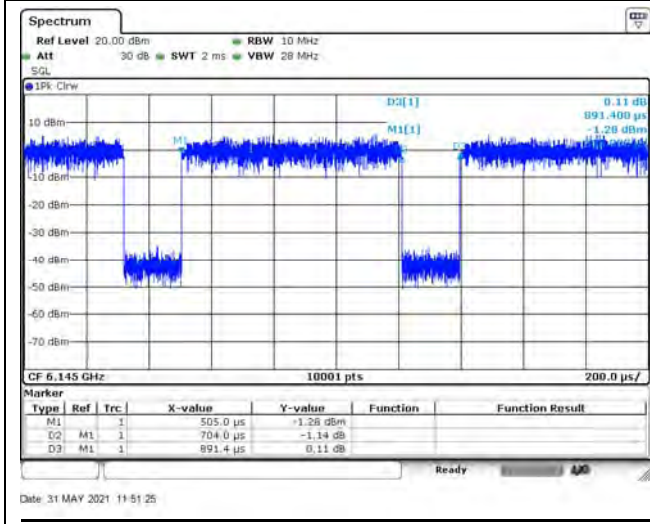
802.11ax (20MHz)



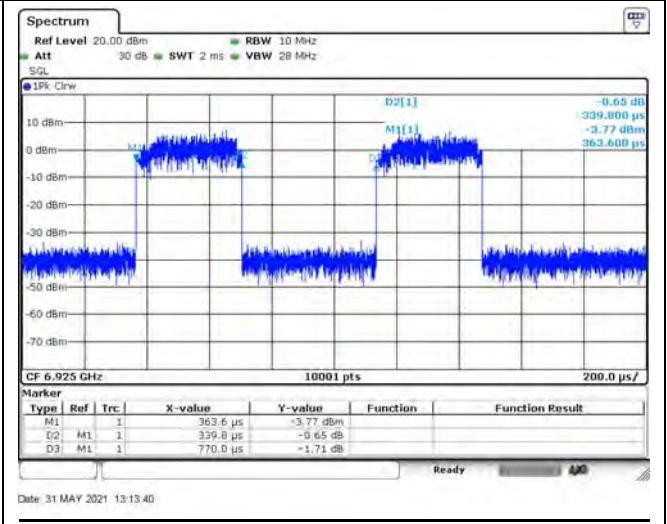
802.11ax (40MHz)



802.11ax (80MHz)



802.11ax (160MHz)





## Beamforming mode

Mode	On Time (ms)	On+Off Time (ms)	Duty Cycle (%)	Duty Factor(dB) linear voltage	Duty Factor(dB) Power	1/T Minimum VBW (kHz)
AX HE20	1.200	1.333	90.06%	0.909719	0.45	0.833
AX HE40	1.755	1.888	92.98%	0.632197	0.32	0.570
AX HE80	1.950	2.088	93.41%	0.591837	0.30	0.513
AX HE160	1.950	2.085	93.53%	0.581429	0.29	0.513

Note:

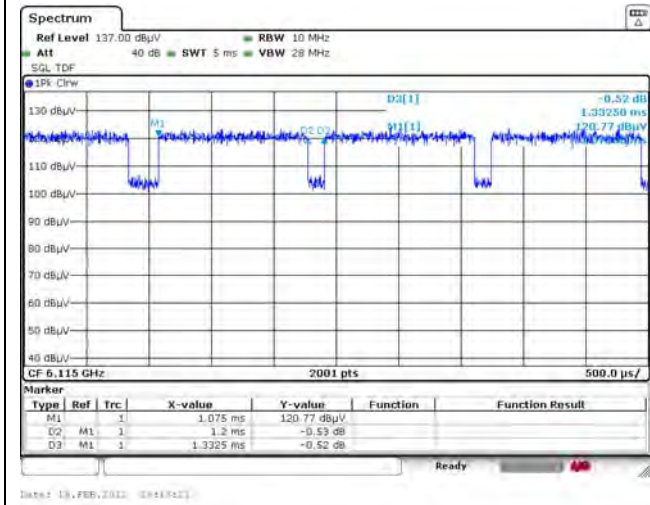
Offset =  $20 \log(1/\text{duty cycle})$

Accotding to KDB 789033

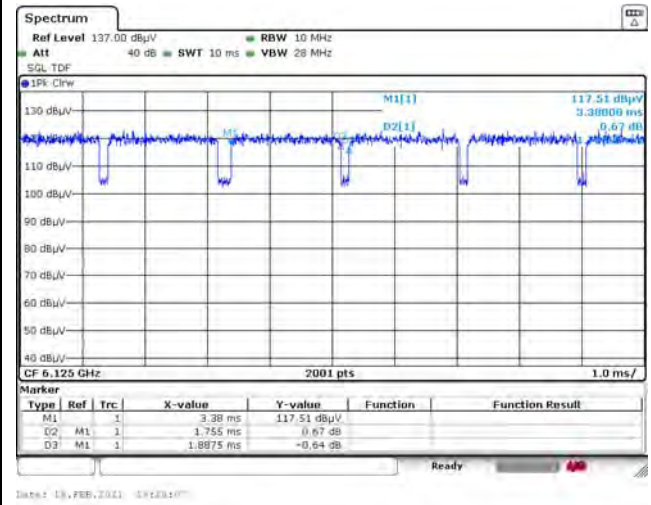
If power averaging (rms) mode was used in step (iv) above, the correction factor is  $10 \log(1/x)$ , where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

If linear voltage averaging mode was used in step (iv) above, the correction factor is  $20 \log(1/x)$ , where x is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.

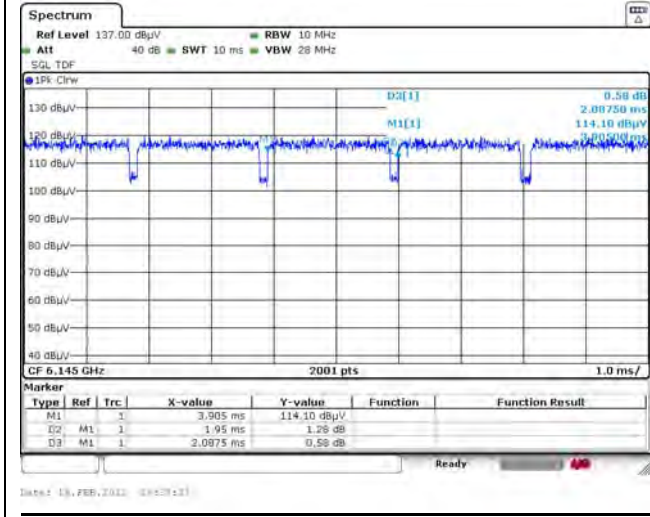
### 802.11ax (20MHz)



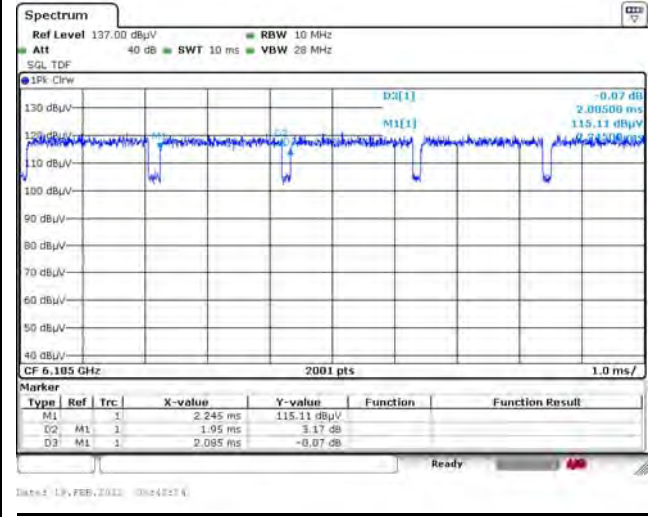
### 802.11ax (40MHz)



### 802.11ax (80MHz)



### 802.11ax (160MHz)



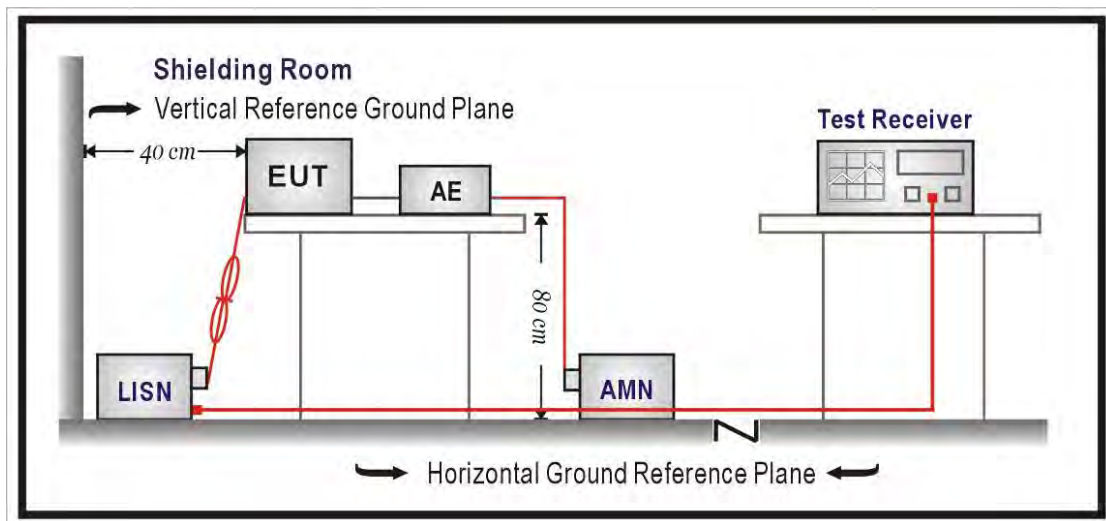
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## 2. **Aetenna Requirements**

According to FCC 47CFR 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 3. Conducted Emission

#### 3.1. Test Setup



#### 3.2. Limits

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency	QP	AV
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remark: In the above table, the tighter limit applies at the band edges.

### **3.3. Test Procedure**

The EUT was setup according to ANSI C63.10: 2013. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

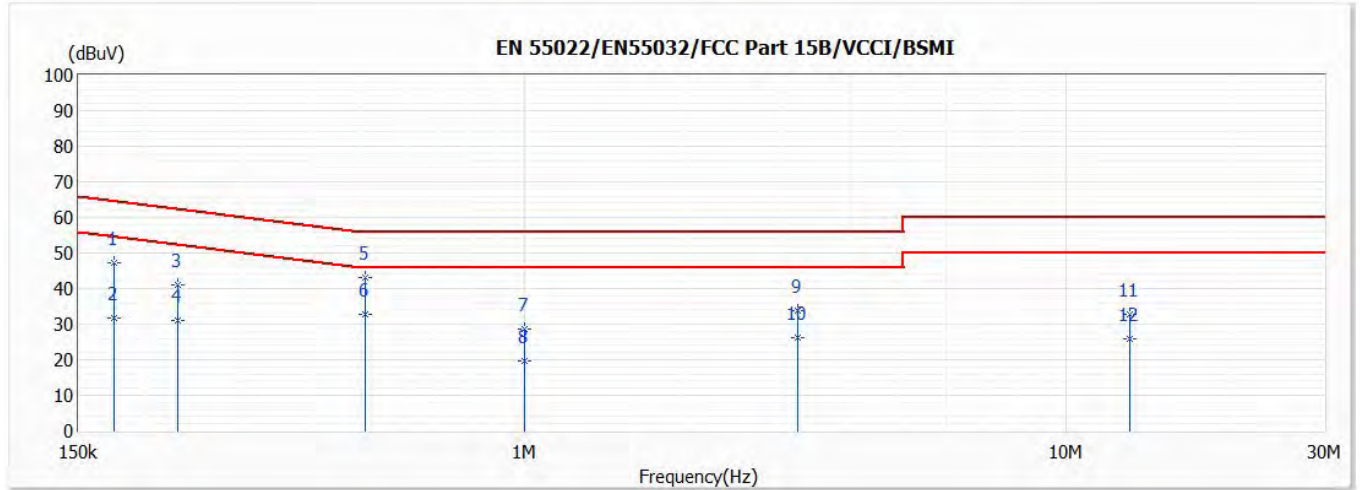
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

### **3.4. Test Specification**

According to FCC CFR Title 47 Part 15 Subpart C Paragraph 15.207 and RSS-247.

### 3.5. Test Result of Conducted Emission

Model No	CR1000A	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/31
Test Mode	Mode 1	Engineer	Max Chang
Phase	L	Temperature (°C)	25
Test Condition	802.11ax, Ch207,6.985G,BW160M	Humidity (%RH)	68

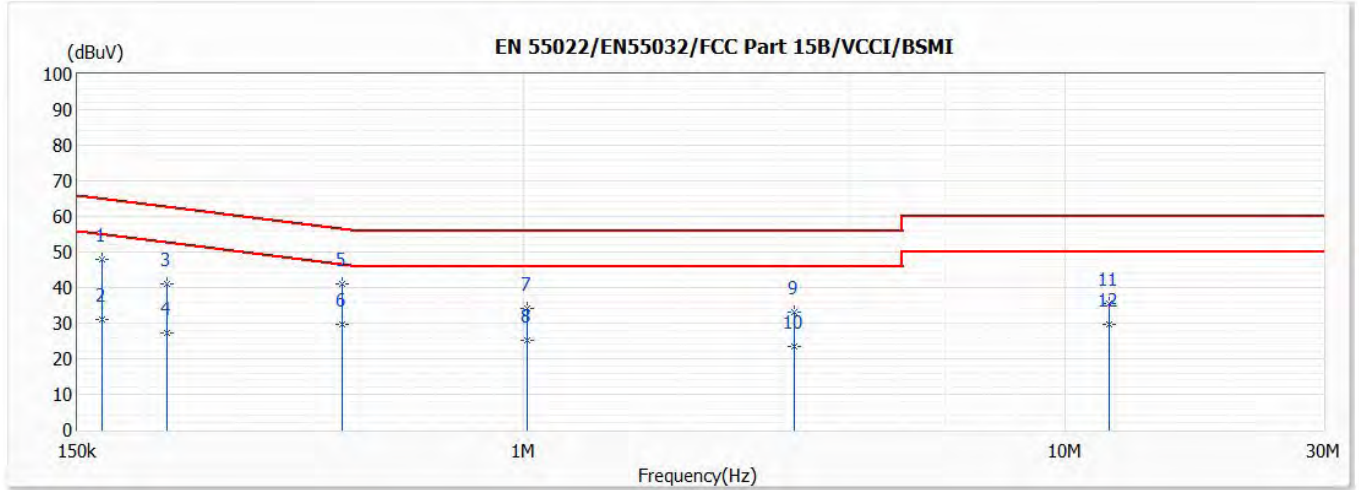


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.174	47.10	64.76	-17.66	37.45	9.65	QP
2	0.174	31.74	54.76	-23.02	22.09	9.65	AV
3	0.229	41.17	62.48	-21.31	31.52	9.65	QP
4	0.229	30.92	52.48	-21.56	21.27	9.65	AV
*5	0.507	43.05	56.00	-12.95	33.36	9.69	QP
6	0.507	32.91	46.00	-13.09	23.22	9.69	AV
7	1.000	28.59	56.00	-27.41	18.85	9.74	QP
8	1.000	19.59	46.00	-26.41	9.85	9.74	AV
9	3.185	33.85	56.00	-22.15	24.00	9.85	QP
10	3.185	26.17	46.00	-19.83	16.32	9.85	AV
11	13.128	32.82	60.00	-27.18	22.61	10.21	QP
12	13.128	25.94	50.00	-24.06	15.73	10.21	AV

Remark:

1. "\*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Model No	CR1000A	Site	SR2-H
Test Voltage	AC 120V/60Hz	Test Date	2021/5/31
Test Mode	Mode 1	Engineer	Max Chang
Phase	N	Temperature (°C)	25
Test Condition	802.11ax,Ch207,6.985G,BW160M	Humidity (%RH)	68



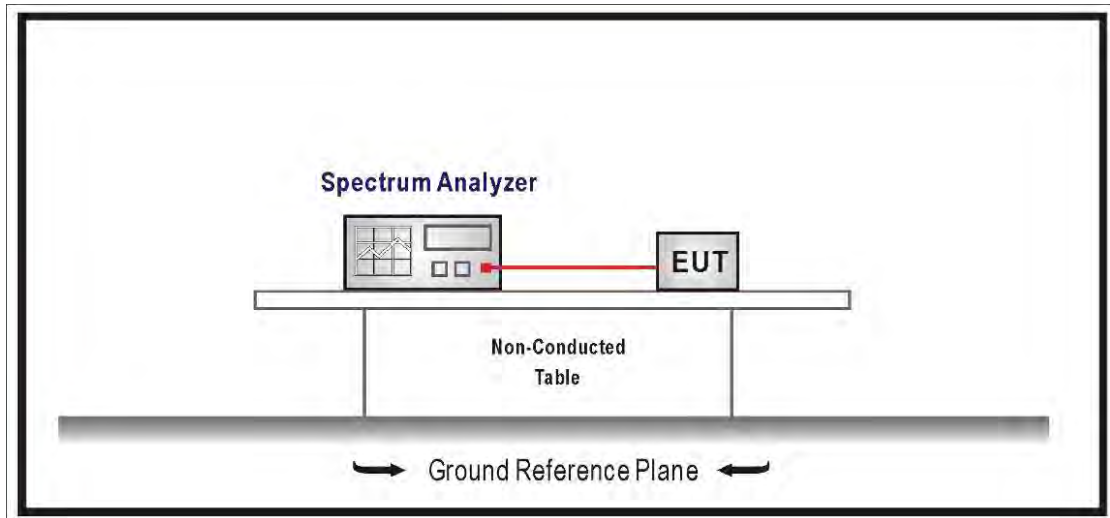
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.167	48.04	65.12	-17.08	38.40	9.64	QP
2	0.167	31.02	55.12	-24.10	21.38	9.64	AV
3	0.219	40.94	62.86	-21.92	31.30	9.64	QP
4	0.219	27.31	52.86	-25.55	17.67	9.64	AV
*5	0.463	41.02	56.64	-15.62	31.34	9.68	QP
6	0.463	29.82	46.64	-16.82	20.14	9.68	AV
7	1.015	34.07	56.00	-21.93	24.35	9.72	QP
8	1.015	25.01	46.00	-20.99	15.29	9.72	AV
9	3.155	33.04	56.00	-22.96	23.20	9.84	QP
10	3.155	23.35	46.00	-22.65	13.51	9.84	AV
11	12.052	35.47	60.00	-24.53	25.25	10.22	QP
12	12.052	29.52	50.00	-20.48	19.30	10.22	AV

Remark:

1. "\*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

## 4. 99% & 26dB Bandwidth

### 4.1. Test Setup



### 4.2. Limits

No Required

### 4.3. Test Procedure

The EUT was tested according to U-NII test procedure of KDB 789033.D02 V02r01  
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.



#### 4.4. Test Result of 99% & 26dB Bandwidth

802.11a

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Ant. 0	Ant. 1	Ant. 2	Ant. 3
33	6115	16.607	16.646	16.616	16.619	20.170	20.370	<b>20.630</b>	20.240
61	6255	16.551	16.553	16.610	<b>16.648</b>	20.450	20.430	20.400	20.470
93	6415	16.541	16.560	16.542	16.563	20.420	20.500	20.020	19.990
97	6435	16.563	16.536	<b>16.574</b>	16.554	20.170	20.300	20.470	20.460
105	6475	16.550	16.552	16.550	16.555	20.390	20.490	20.560	20.140
113	6515	16.554	16.567	16.567	16.566	20.300	20.290	20.370	<b>20.890</b>
117	6535	16.540	<b>16.584</b>	16.552	16.551	20.410	20.360	20.020	20.350
149	6695	16.557	16.571	16.544	16.569	20.130	20.010	20.460	20.500
181	6855	16.536	16.562	16.538	16.539	<b>20.890</b>	20.190	20.060	20.400
185_L	6875	8.280	8.282	8.294	8.283	10.080	10.180	10.120	10.160
185_R	6875	8.280	8.282	8.294	8.283	10.080	10.180	10.120	10.160
189	6895	16.561	16.554	16.545	16.552	<b>20.590</b>	20.170	20.530	20.560
209	6995	16.563	16.568	16.550	16.548	20.420	20.560	19.870	19.990
229	7095	16.555	16.539	16.558	<b>16.583</b>	20.350	20.110	20.170	20.050

802.11ax (20MHz)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Ant. 0	Ant. 1	Ant. 2	Ant. 3
33	6115	19.032	19.025	19.026	19.046	21.590	21.770	22.020	21.620
61	6255	19.007	19.048	19.047	<b>19.056</b>	<b>22.320</b>	21.260	22.010	21.410
93	6415	19.042	19.041	19.049	19.049	21.780	22.030	21.600	21.910
97	6435	<b>19.070</b>	19.055	19.058	19.066	22.010	21.980	<b>22.470</b>	21.750
105	6475	19.051	19.046	19.027	19.061	21.430	21.830	21.490	21.520
113	6515	19.045	19.013	19.047	19.054	22.130	21.540	21.960	21.350
117	6535	19.059	19.059	19.070	19.058	21.500	21.290	21.650	21.600
149	6695	19.040	19.037	19.039	19.044	21.520	21.580	21.300	21.700
181	6855	19.060	19.015	19.033	<b>19.073</b>	<b>21.840</b>	21.630	21.300	21.370
185_L	6875	9.518	9.520	9.521	9.530	10.630	10.930	11.000	10.860
185_R	6875	9.518	9.520	9.521	9.530	10.630	10.930	11.000	10.860
189	6895	19.038	19.038	19.033	19.039	21.460	21.830	21.810	21.880
209	6995	19.032	19.018	19.029	<b>19.091</b>	21.650	21.620	21.550	<b>22.230</b>
229	7095	19.047	19.025	19.053	19.045	21.580	21.290	21.990	21.470

## 802.11ax (40MHz)

Channel	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Ant. 0	Ant. 1	Ant. 2	Ant. 3
35	6125	43.360	47.470	44.980	44.150	38.014	37.966	37.950	37.968
59	6245	43.330	44.230	<b>48.960</b>	45.170	38.011	37.957	<b>38.233</b>	37.905
91	6405	42.630	42.510	42.120	46.930	38.038	37.959	37.966	37.969
99	6445	43.650	42.820	<b>47.500</b>	43.020	37.985	38.030	<b>38.055</b>	37.982
107	6485	43.900	42.240	44.550	43.960	38.029	37.940	38.021	37.919
115_L	6525	20.580	20.470	20.480	20.640	18.904	18.909	18.895	18.935
115_R	6525	20.580	20.470	20.480	20.640	18.904	18.909	18.895	18.935
123	6565	41.170	41.170	41.170	40.960	37.834	37.780	37.762	37.746
155	6725	40.970	40.840	41.060	<b>41.460</b>	37.759	37.766	37.816	<b>37.845</b>
179	6845	40.700	41.430	41.030	40.890	37.721	37.771	37.777	37.813
187_L	6885	10.590	10.520	10.365	10.570	8.868	8.886	8.891	8.867
187_R	6885	30.590	30.520	30.365	30.570	28.868	28.886	28.891	28.867
195	6925	40.900	40.980	40.910	41.060	37.758	<b>37.815</b>	37.742	37.743
211	7005	<b>41.350</b>	40.950	40.990	41.180	37.769	37.765	37.733	37.728
219	7045	41.230	40.780	40.730	40.580	37.717	37.801	37.703	37.779
227	7085	43.360	47.470	44.980	44.150	38.014	37.966	37.950	37.968

## 802.11ax (80MHz)

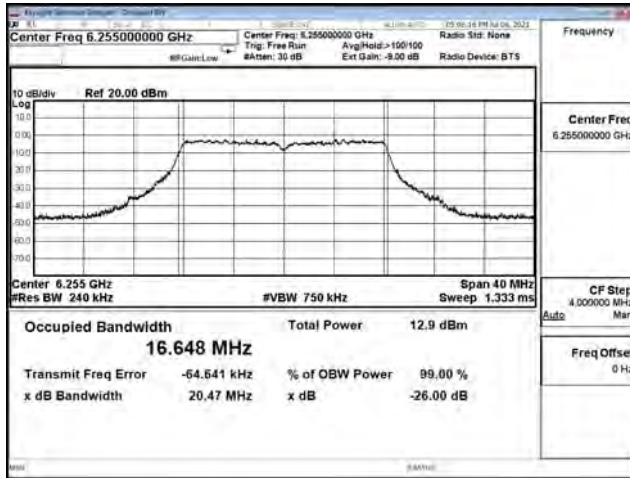
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Ant. 0	Ant. 1	Ant. 2	Ant. 3
39	6145	82.160	82.240	82.500	86.400	77.354	77.135	77.263	77.179
55	6225	82.050	82.270	82.430	82.020	77.261	77.255	77.240	77.271
87	6385	82.700	<b>87.500</b>	83.790	82.790	<b>77.452</b>	77.395	77.413	77.297
103	6465	82.080	<b>82.980</b>	82.480	82.460	<b>77.392</b>	77.230	77.233	77.184
119_L	6545	20.660	21.215	20.875	20.720	18.462	18.518	18.505	18.542
119_R	6545	60.660	61.215	60.875	60.720	58.462	58.518	58.505	58.542
135	6625	81.500	81.920	81.550	82.040	77.089	77.012	77.041	77.052
151	6705	81.810	82.210	81.100	82.020	76.916	77.092	76.982	<b>77.114</b>
167	6785	81.110	81.680	82.170	<b>82.240</b>	77.076	76.977	77.046	76.989
183_L	6865	51.180	50.960	50.555	50.505	48.562	48.565	48.556	48.472
183_R	6865	31.180	30.960	30.555	30.505	28.562	28.565	28.556	28.472
199	6945	81.220	81.500	<b>81.670</b>	81.530	77.110	76.994	<b>77.172</b>	76.921
215	7025	81.330	81.220	81.160	81.380	77.059	77.009	76.903	77.076

## 802.11ax (160MHz)

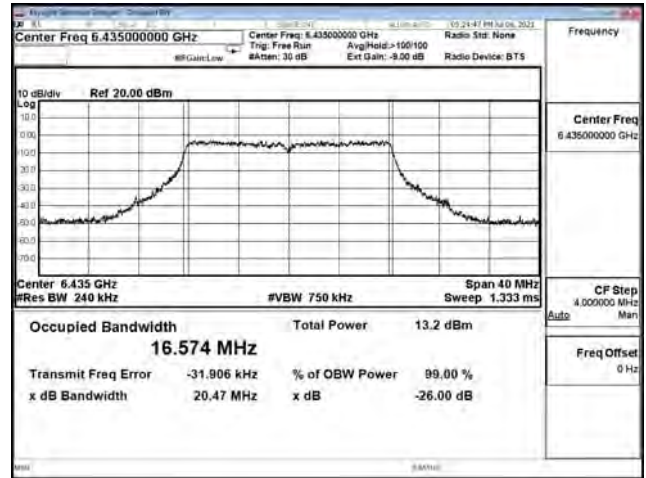
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				99% Occupied Bandwidth (MHz)			
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Ant. 0	Ant. 1	Ant. 2	Ant. 3
47	6185	154.680	154.630	154.730	154.340	164.000	162.800	163.200	<b>164.200</b>
79	6345	154.470	154.730	154.600	<b>154.780</b>	163.700	164.000	163.700	163.000
111_L	6505	97.470	97.460	97.430	<b>97.530</b>	101.600	102.050	101.850	<b>102.450</b>
111_R	6505	57.470	57.460	57.430	57.530	61.600	62.050	61.850	62.450
143	6665	154.370	154.530	154.540	<b>154.600</b>	163.800	163.100	163.200	<b>164.100</b>
175_L	6825	127.505	127.510	127.420	127.490	132.100	131.600	131.850	131.950
175_R	6825	27.505	27.510	27.420	27.490	32.100	31.600	31.850	31.950
207	6985	154.650	154.430	<b>154.710</b>	154.300	162.900	163.300	162.800	<b>164.200</b>

**Spectrum plot of worst value (99% Occupied Bandwidth)**

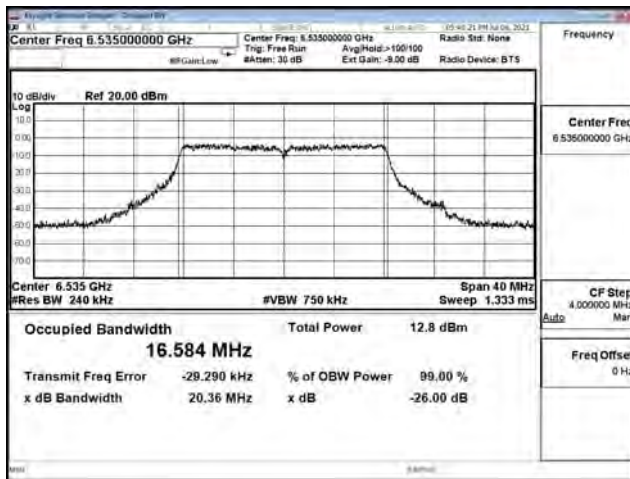
802.11a / Ant. 3 / 6255 MHz (U-NII-5)



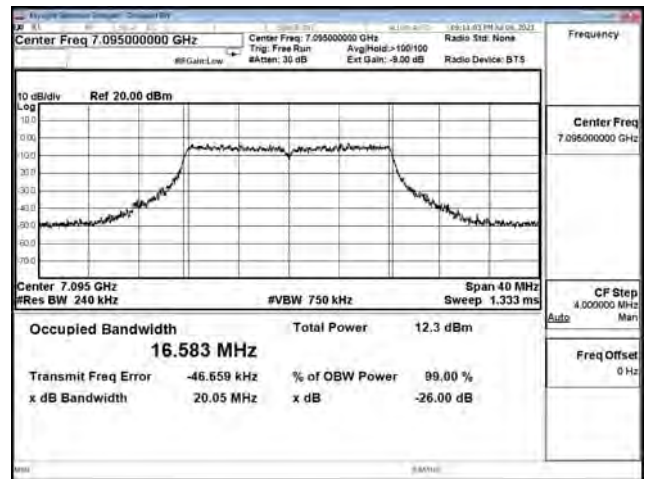
802.11a / Ant. 2 / 6435 MHz (U-NII-6)



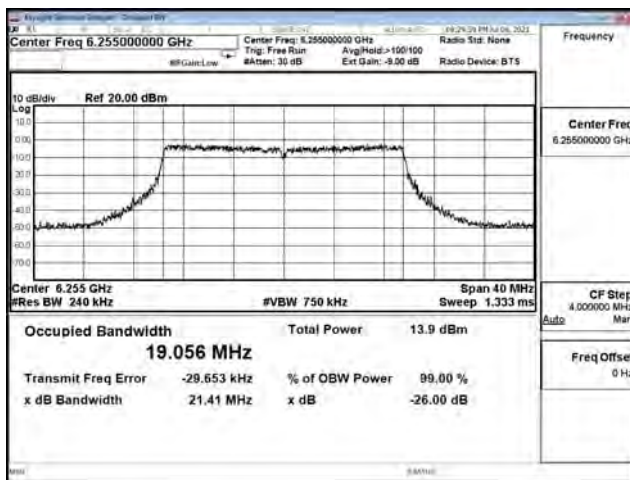
802.11a / Ant. 1 / 6535 MHz (U-NII-7)



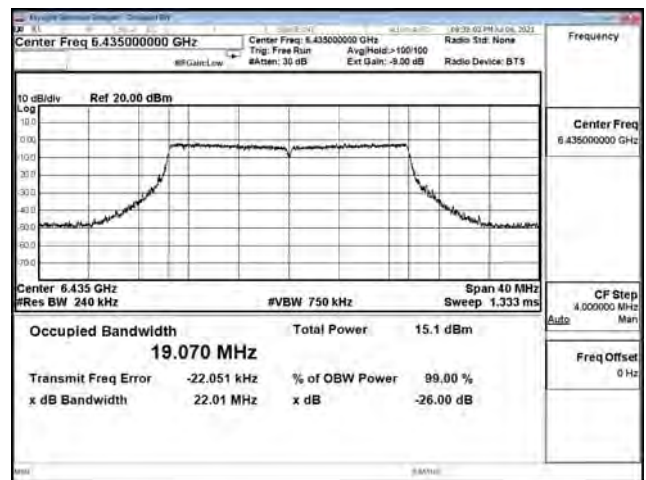
802.11a / Ant. 3 / 7095 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 3 / 6255 MHz (U-NII-5)

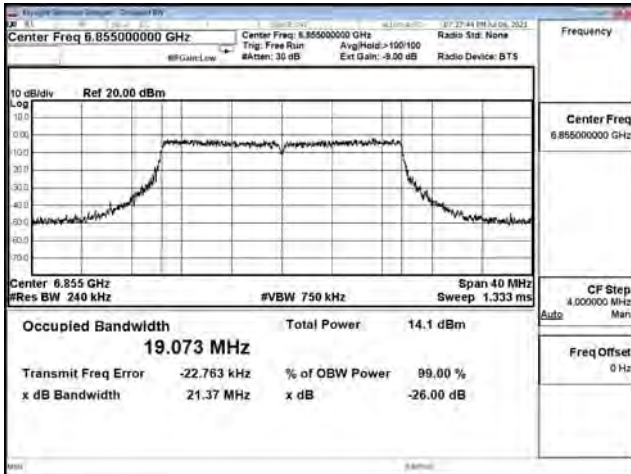


802.11a / Ant. 0 / 6435 MHz (U-NII-6)

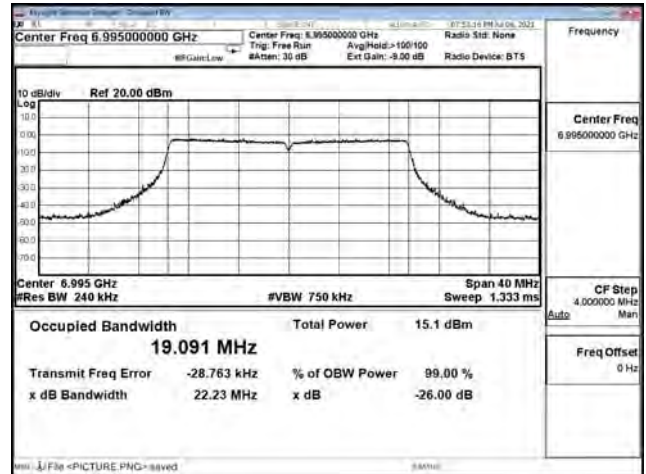




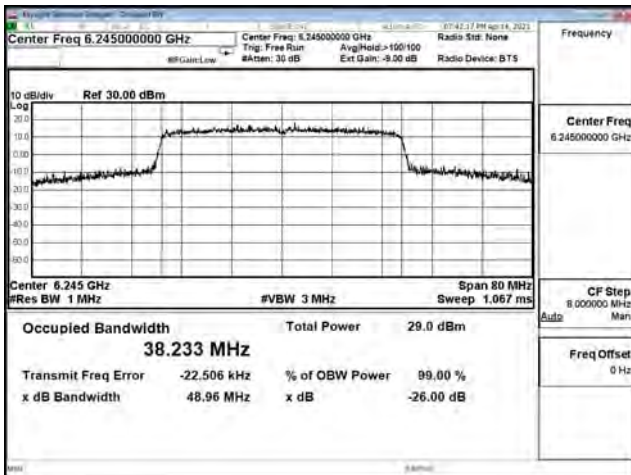
802.11ax (20MHz) / Ant. 3 / 6855 MHz (U-NII-7)



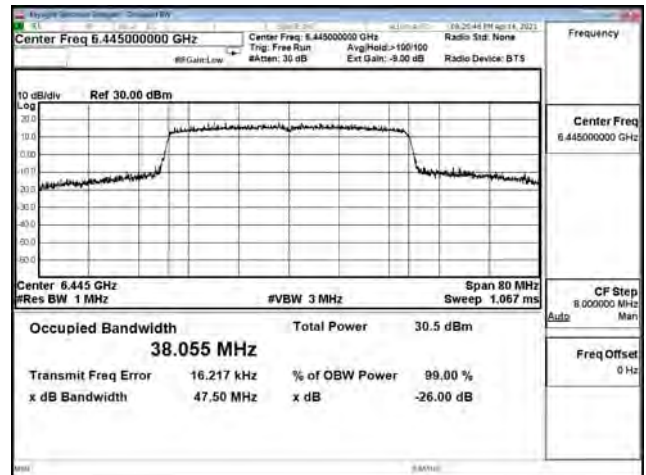
802.11ax (20MHz) / Ant. 3 / 6995 MHz (U-NII-8)



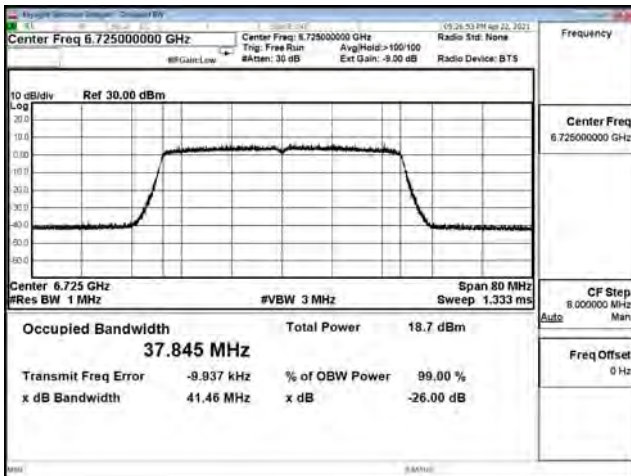
802.11ax (40MHz) / Ant. 2 / 6245 MHz (U-NII-5)



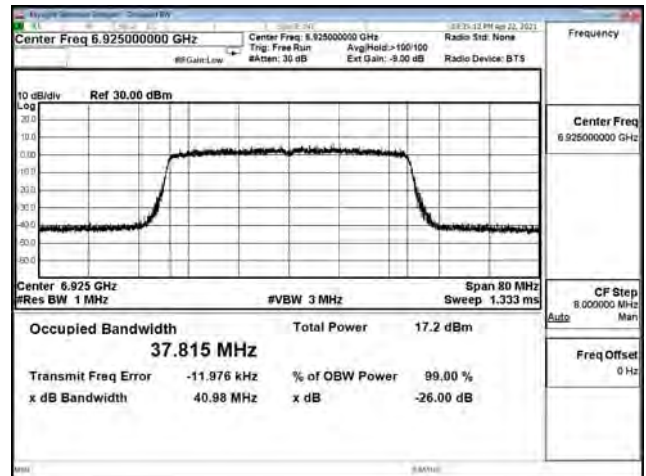
802.11ax (40MHz) / Ant. 2 / 6445 MHz (U-NII-6)



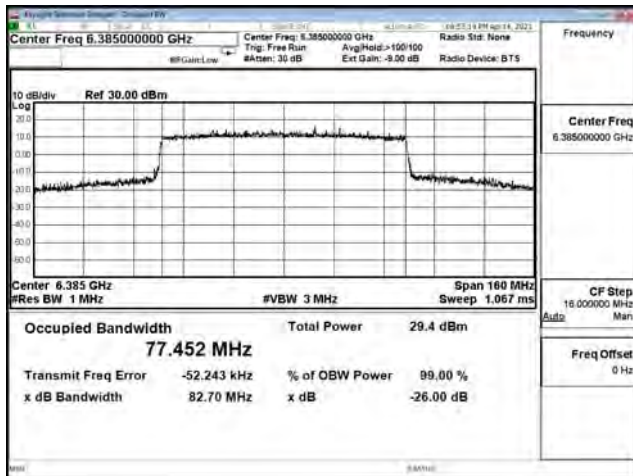
802.11ax (40MHz) / Ant. 3 / 6725 MHz (U-NII-7)



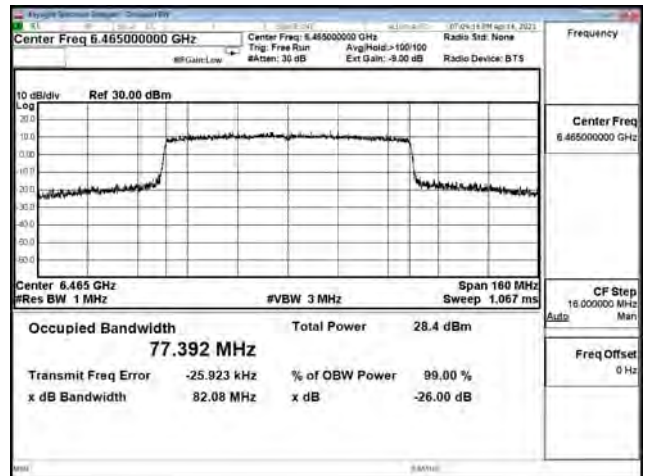
802.11ax (40MHz) / Ant. 1 / 6925 MHz (U-NII-8)



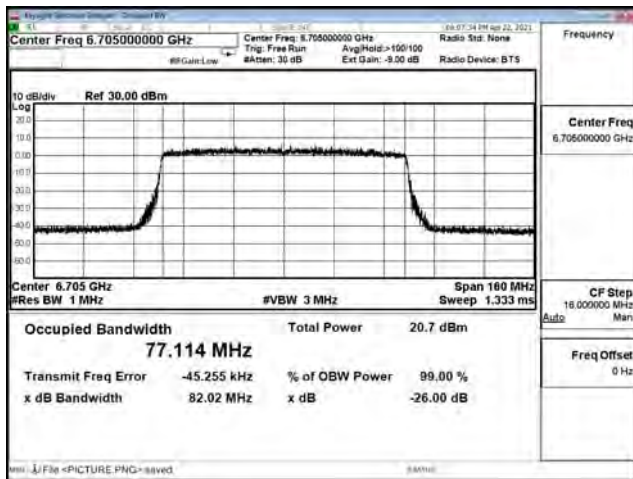
802.11ax (80MHz) / Ant. 0 / 6385 MHz (U-NII-5)



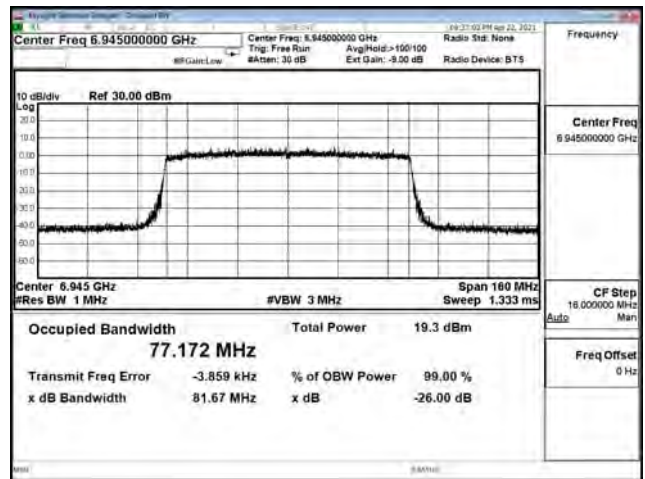
802.11ax (80MHz) / Ant. 0 / 6465 MHz (U-NII-6)



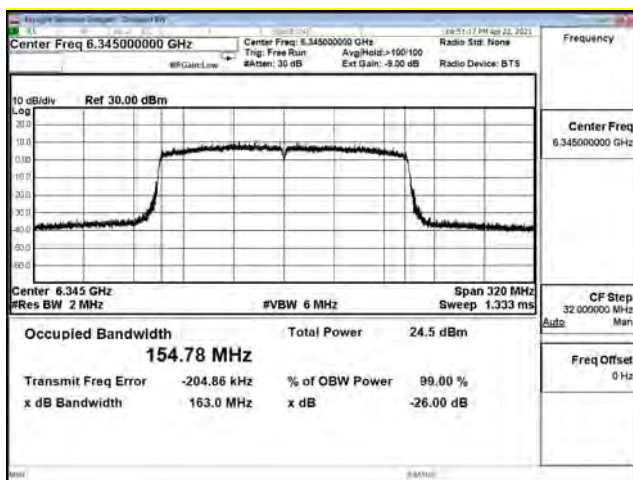
802.11ax (80MHz) / Ant. 3 / 6705 MHz (U-NII-7)



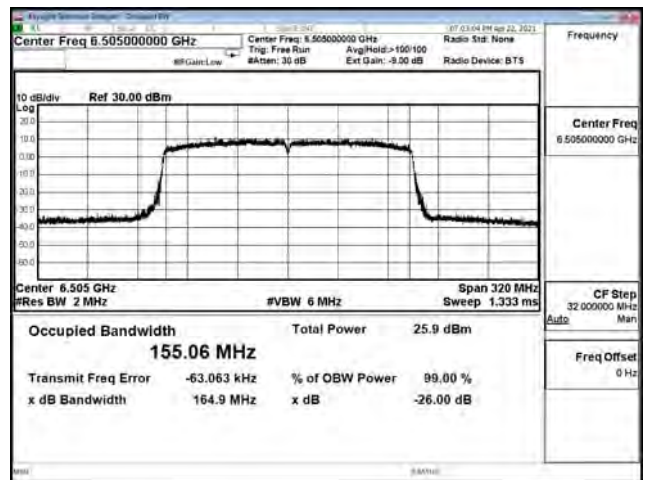
802.11ax (80MHz) / Ant. 2 / 6945MHz (U-NII-8)



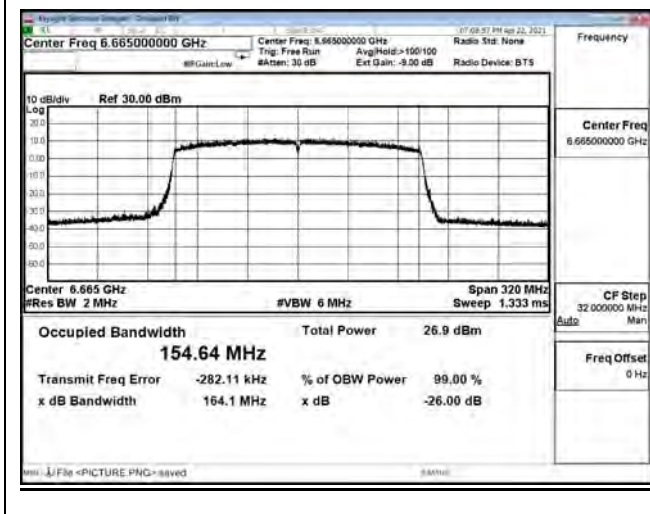
802.11ax (160MHz) / Ant. 3 / 6345 MHz (U-NII-5)



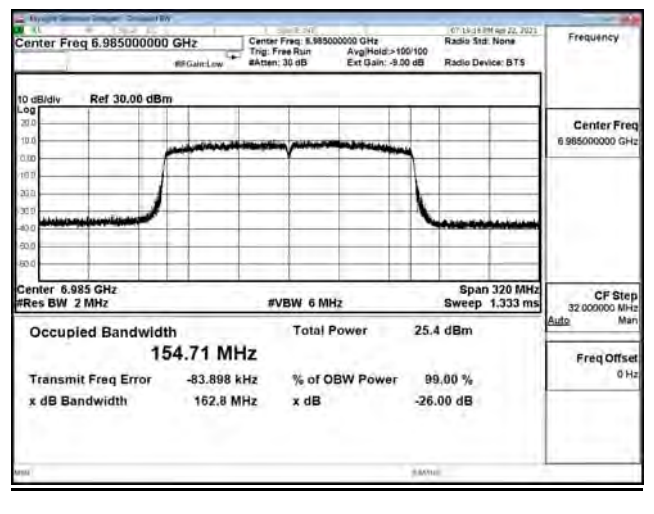
802.11ax (160MHz) / Ant. 3 / 6505 MHz\_L (U-NII-6)



802.11ax (160MHz) / Ant. 3 / 6665 MHz (U-NII-7)



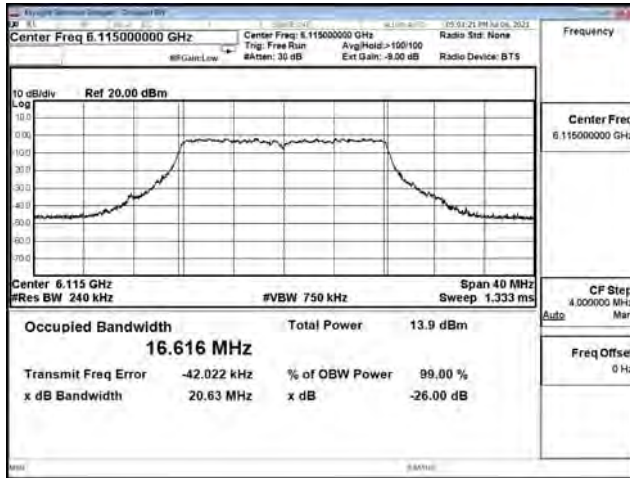
802.11ax (160MHz) / Ant. 2 / 6985 MHz (U-NII-8)



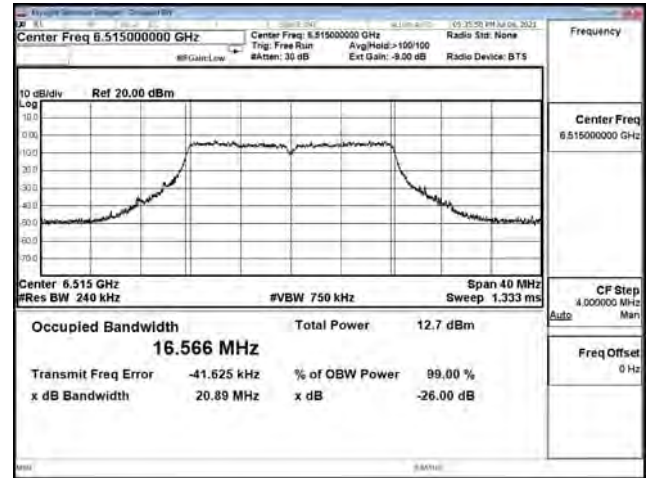


**Spectrum plot of worst value (26dB Bandwidth)**

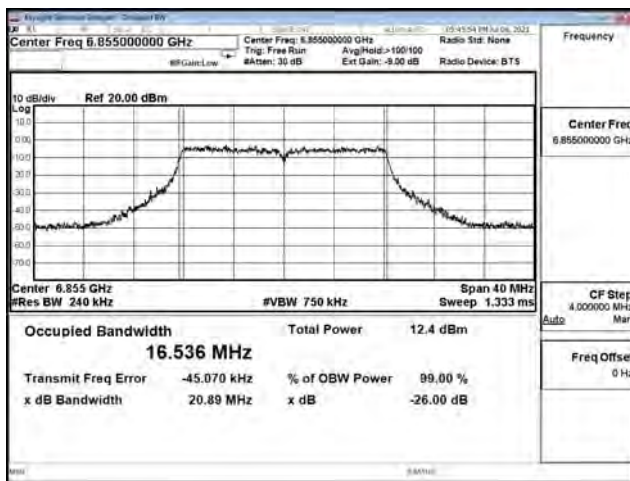
802.11a / Ant. 2 / 6115 MHz (U-NII-5)



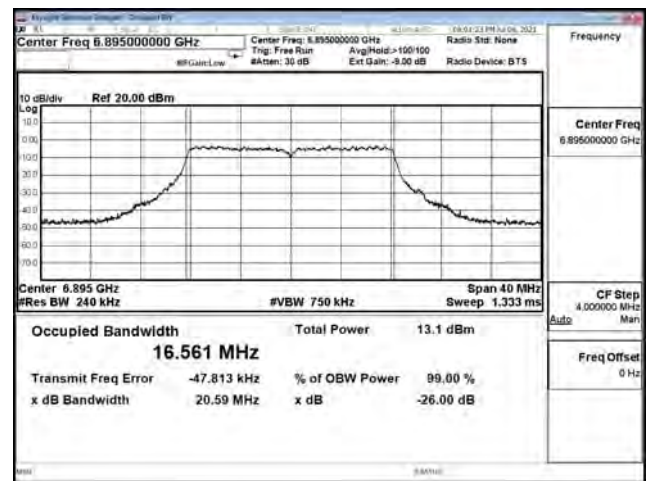
802.11a / Ant. 3 / 6515 MHz (U-NII-6)



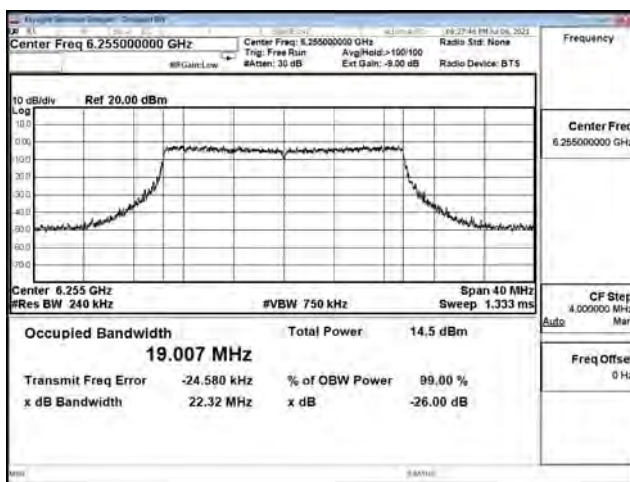
802.11a / Ant. 0 / 6855 MHz (U-NII-7)



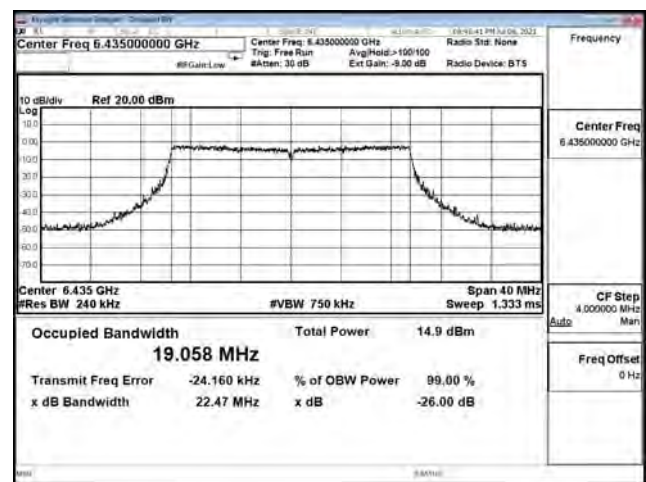
802.11a / Ant. 0 / 6895 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 0 / 6255 MHz (U-NII-5)

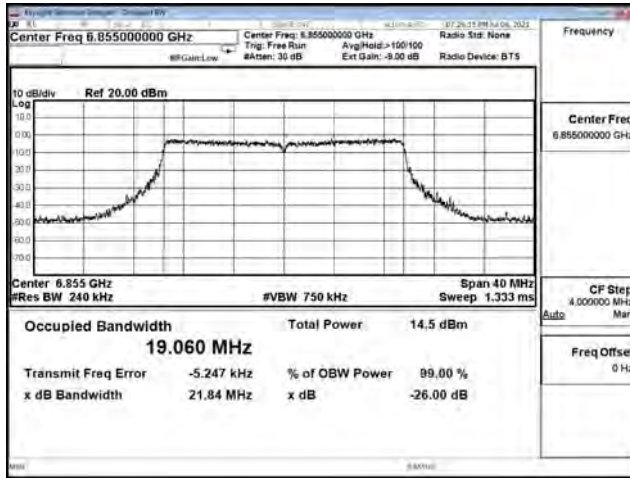


802.11ax (20MHz) / Ant. 2 / 6435 MHz (U-NII-6)

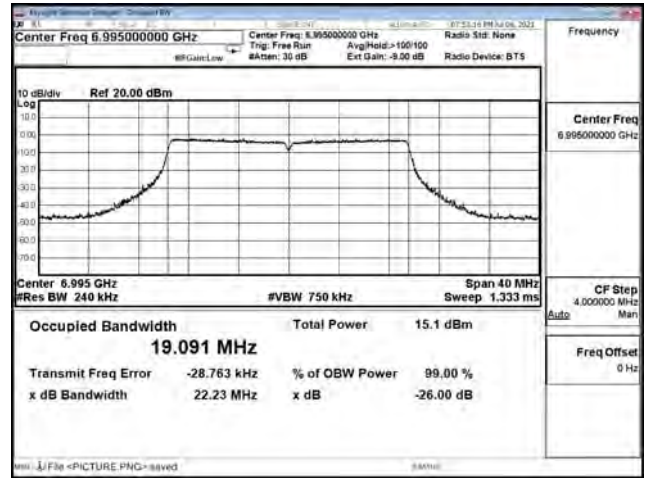




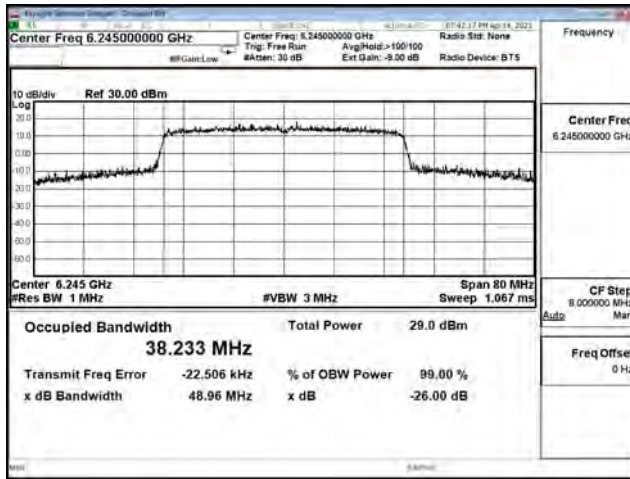
802.11ax (20MHz) / Ant. 0 / 6855 MHz (U-NII-7)



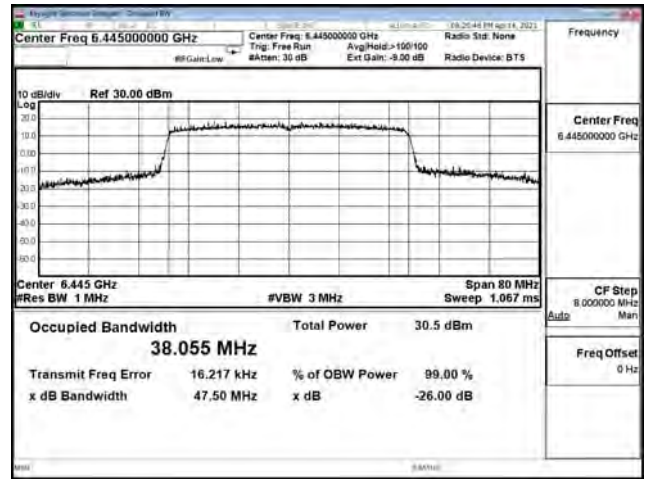
802.11ax (20MHz) / Ant. 3 / 6995 MHz (U-NII-8)



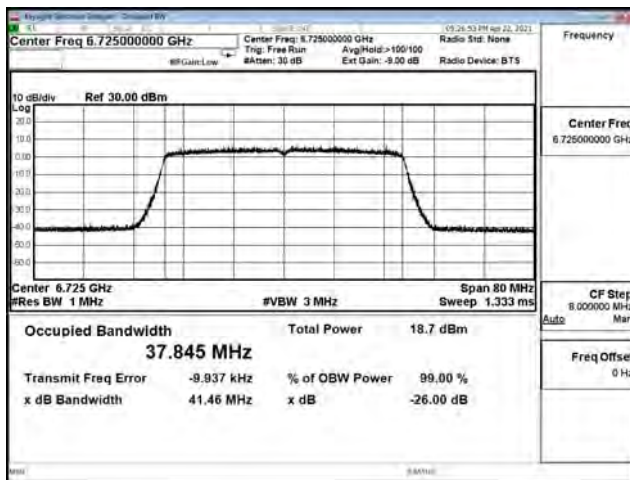
802.11ax (40MHz) / Ant. 2 / 6245 MHz (U-NII-5)



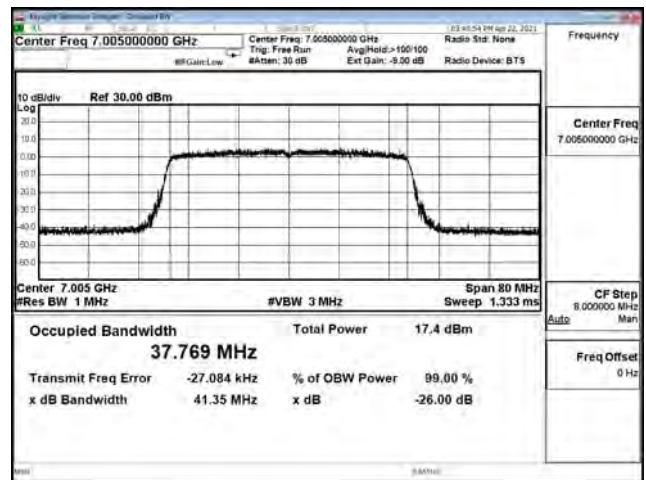
802.11ax (40MHz) / Ant. 2 / 6445 MHz (U-NII-6)



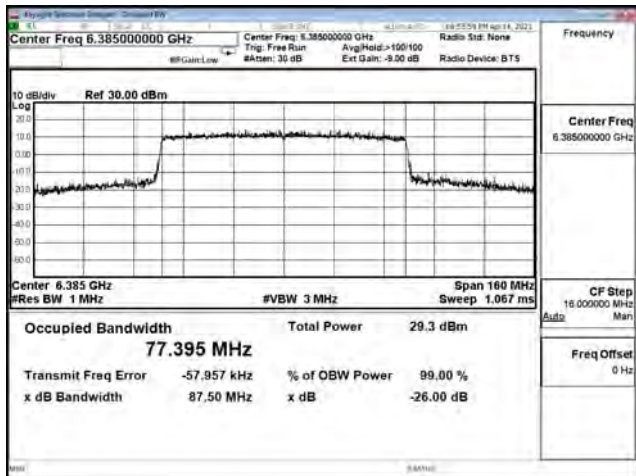
802.11ax (40MHz) / Ant. 3 / 6725 MHz (U-NII-7)



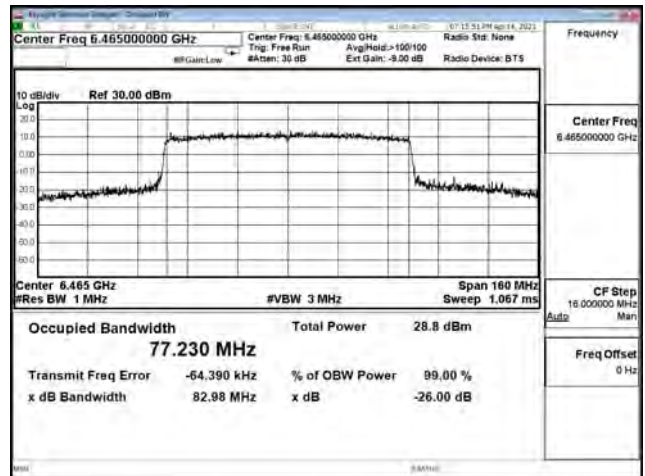
802.11ax (40MHz) / Ant. 0 / 7005 MHz (U-NII-8)



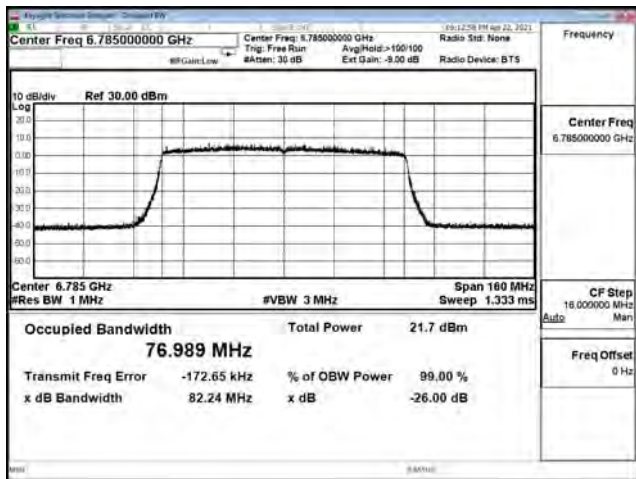
802.11ax (80MHz) / Ant. 1 / 6385 MHz (U-NII-5)



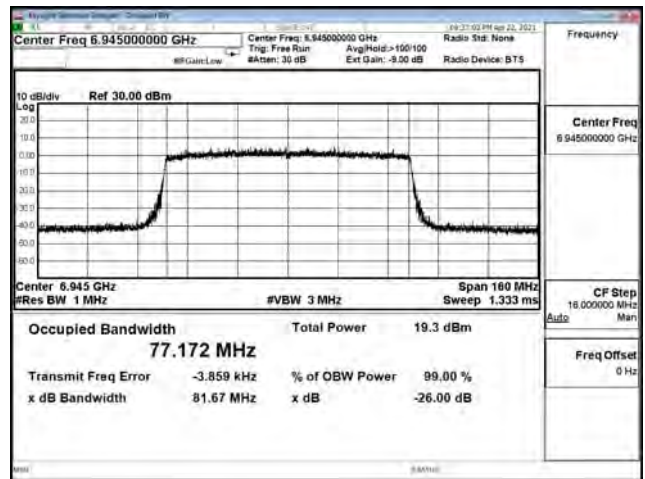
802.11ax (80MHz) / Ant. 1 / 6465 MHz (U-NII-6)



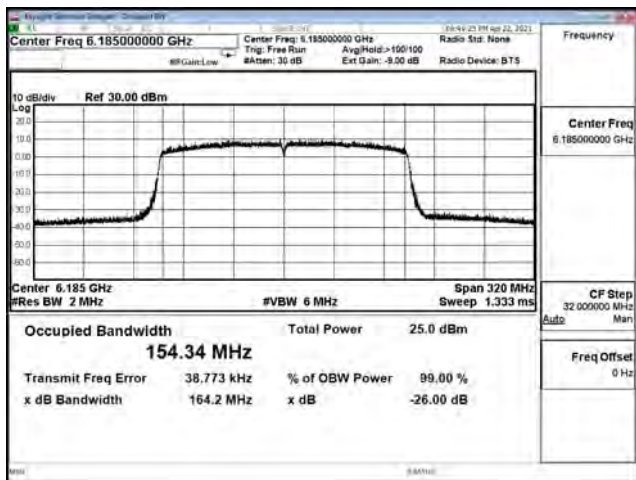
802.11ax (80MHz) / Ant. 3 / 6785 MHz (U-NII-7)



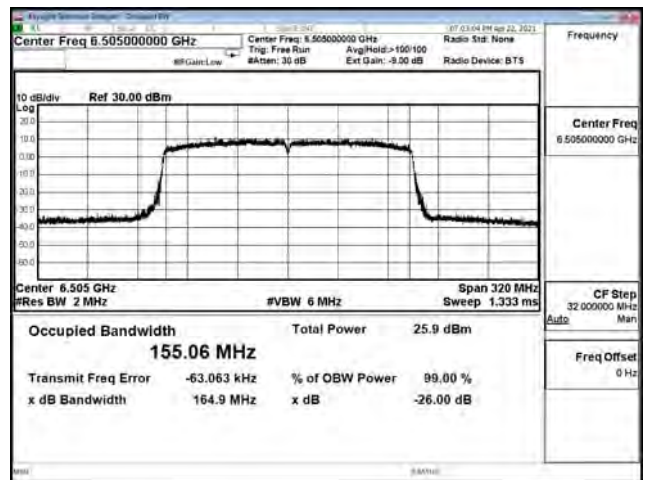
802.11ax (80MHz) / Ant. 2 / 6945 MHz (U-NII-8)



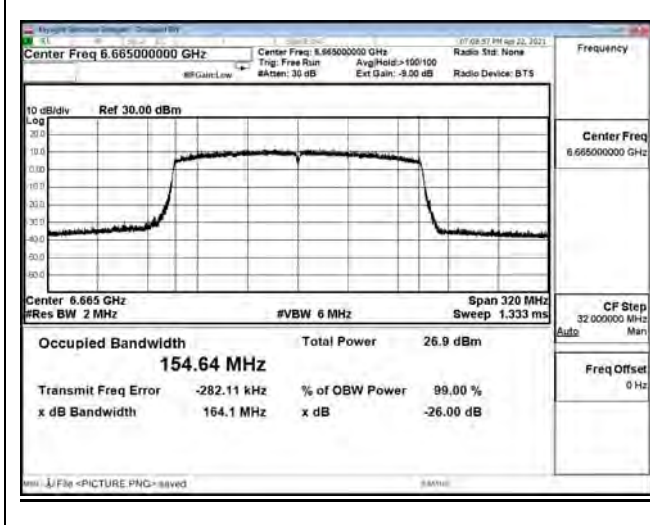
802.11ax (160MHz) / Ant. 3 / 6185 MHz (U-NII-5)



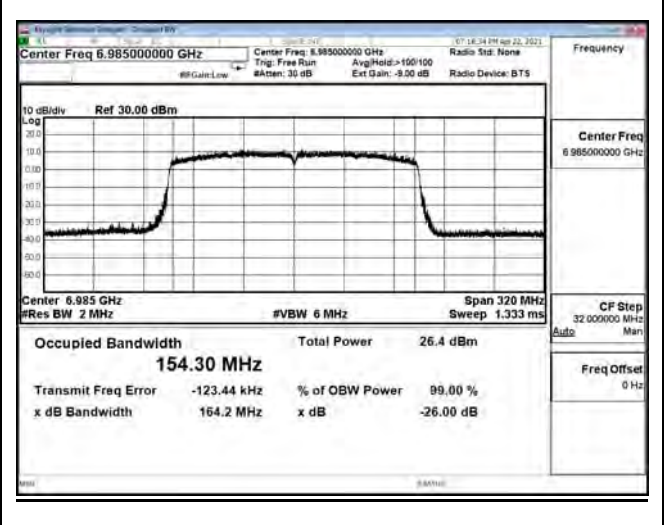
802.11ax (160MHz) / Ant. 3 / 6505 MHz\_L (U-NII-6)



802.11ax (160MHz) / Ant. 3 / 6665 MHz (U-NII-7)



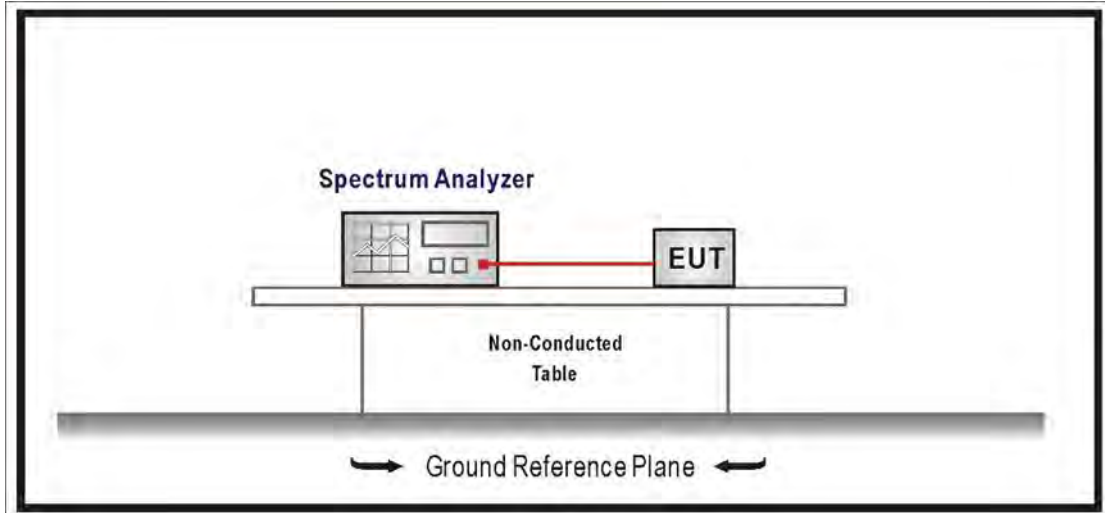
802.11ax (160MHz) / Ant. 3 / 6985 MHz\_L (U-NII-8)



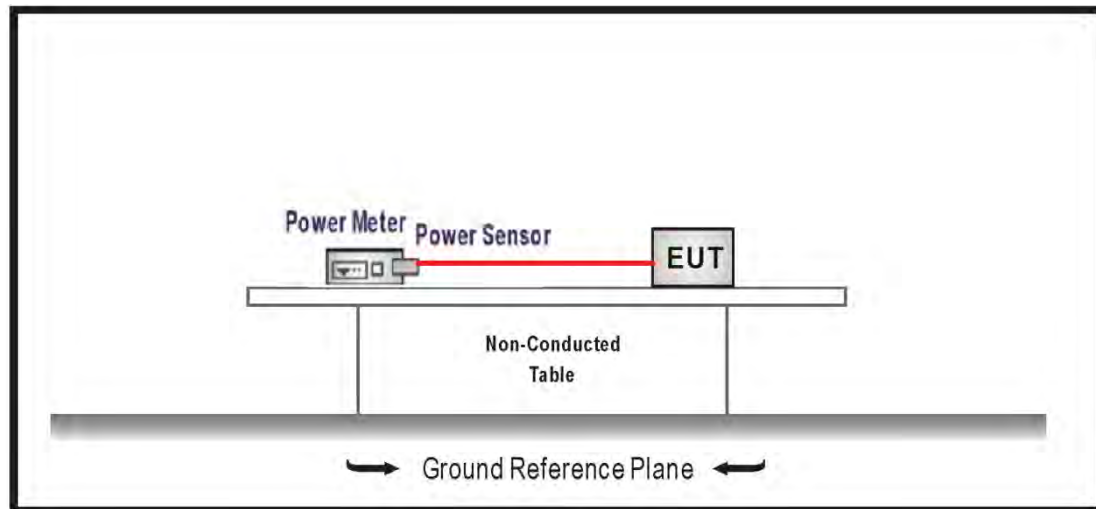
## 5. Transmit Output

### 5.1. Test Setup

For Straddle Channels:



For Other Channels:





## 5.2. Limits

1. For the 5.925~6.425 GHz band:  
For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).  
For indoor access point : e.i.r.p < 30 dBm.  
For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.  
For client device control of a standard power access point : e.i.r.p < 30 dBm.  
For client device control of an indoor access point : e.i.r.p < 24 dBm.
2. For the 6.425~6.525 GHz band:  
For indoor access point : e.i.r.p < 30 dBm.  
For client device control of an indoor access point : e.i.r.p < 24 dBm.
3. For the 6.525~6.875 GHz band:  
For standard power access point and fixed client device : e.i.r.p < 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).  
For indoor access point : e.i.r.p < 30 dBm.  
For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.  
For client device control of a standard power access point : e.i.r.p < 30 dBm.  
For client device control of an indoor access point : e.i.r.p < 24 dBm.
4. For the 6.87~7.125 GHz band:  
For indoor access point : e.i.r.p < 30 dBm.  
For client device control of an indoor access point : e.i.r.p < 24 dBm.

## 5.3. Test Procedure

### For Straddle Channels:

The EUT was tested according to U-NII test procedure of KDB 789033.D02 V02r01  
Set RBW 1% of the emission bandwidth, VBW equal to 3 times the RBW.

### For Other Channels:

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of 789033 D02 V02r01 for compliance to FCC CFR Title 47 Part 15 Subpart E requirements.

#### 5.4. Test Result of Transmit Output

Non-beamforming mode for RU-Full

802.11a

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
33	6115	4.370	4.030	3.970	4.450	10.231	N/A	13.291	30.00	Pass
61	6255	3.830	3.950	3.430	3.790	9.775		12.835	30.00	Pass
93	6415	4.250	4.470	4.030	4.450	10.324		13.384	30.00	Pass
97	6435	5.910	6.130	5.820	6.120	12.018		14.238	30.00	Pass
105	6475	5.670	6.240	5.970	6.060	12.010		14.230	30.00	Pass
113	6515	5.920	6.090	5.960	5.760	11.955		14.175	30.00	Pass
117	6535	6.250	6.320	6.110	6.000	12.192		13.212	30.00	Pass
149	6695	5.900	5.970	5.610	6.110	11.922		12.942	30.00	Pass
181	6855	6.210	6.980	6.320	6.930	12.644		13.664	30.00	Pass
185_L	6875	1.780	2.710	1.650	2.750	8.273	0.24	9.533	30.00	Pass
185_R	6875	1.810	2.190	1.680	2.470	8.069	0.24	10.329	30.00	Pass
189	6895	6.070	6.320	5.720	6.150	12.091	N/A	14.111	30.00	Pass
209	6995	5.830	5.800	5.900	5.680	11.824		13.844	30.00	Pass
229	7095	6.190	6.430	6.230	6.100	12.260		14.280	30.00	Pass

Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (20 MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
33	6115	5.820	5.630	5.610	6.040	11.799	N/A	14.859	30.00	Pass
61	6255	5.580	5.880	5.130	5.500	11.551		14.611	30.00	Pass
93	6415	5.830	6.100	5.650	6.080	11.940		15.000	30.00	Pass
97	6435	7.230	7.470	7.120	7.480	13.348		15.568	30.00	Pass
105	6475	7.100	7.720	7.250	7.660	13.461		15.681	30.00	Pass
113	6515	7.270	7.550	7.120	7.110	13.287		15.507	30.00	Pass
117	6535	8.510	8.070	8.730	7.620	14.274		15.294	30.00	Pass
149	6695	7.820	7.760	7.710	7.610	13.746		14.766	30.00	Pass
181	6855	7.860	8.130	7.510	8.030	13.909		14.929	30.00	Pass
185_L	6875	3.340	3.390	2.670	3.550	9.271		1.23	11.521	30.00
185_R	6875	3.440	3.340	2.890	3.580	9.341	1.23	12.591	30.00	Pass
189	6895	7.850	7.970	7.250	7.820	13.752	N/A	15.772	30.00	Pass
209	6995	7.770	7.890	7.670	7.920	13.834		15.854	30.00	Pass
229	7095	7.250	7.990	7.700	7.650	13.676		15.696	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (40MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
35	6125	8.880	8.830	8.920	8.360	14.774	N/A	17.834	30.00	Pass
59	6245	9.510	9.430	9.230	9.030	15.325		18.385	30.00	Pass
91	6405	9.570	9.740	9.510	9.600	15.626		18.686	30.00	Pass
99	6445	11.020	11.100	11.120	11.030	17.088		19.308	30.00	Pass
107	6485	10.320	10.730	10.770	10.360	16.570		18.790	30.00	Pass
115_L	6525	6.130	6.120	6.350	5.420	12.039	0.74	14.999	30.00	Pass
115_R	6525	6.450	5.920	6.300	5.640	12.110	0.74	13.870	30.00	Pass
123	6565	11.350	11.410	11.300	11.280	17.356	N/A	18.376	30.00	Pass
155	6725	10.700	10.390	10.720	10.741	16.661		17.681	30.00	Pass
179	6845	11.520	11.460	11.440	11.430	17.483		18.503	30.00	Pass
187_L	6885	2.37	2.61	1.98	2.58	8.413	0.74	10.173	30.00	Pass
187_R	6885	7.69	7.28	7.05	7.64	13.444	0.74	16.204	30.00	Pass
195	6925	11.940	11.630	11.570	11.550	17.696	N/A	19.716	30.00	Pass
211	7005	11.230	11.040	11.060	11.080	17.124		19.144	30.00	Pass
227	7085	10.940	10.890	11.190	10.720	16.959		18.979	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.



## 802.11ax (80MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
39	6145	12.650	12.780	12.760	12.650	18.731	N/A	21.791	30.00	Pass
55	6225	12.420	12.540	12.420	12.320	18.446		21.506	30.00	Pass
87	6385	12.440	12.420	12.310	12.570	18.457		21.517	30.00	Pass
103	6465	13.650	13.660	13.920	13.740	19.764		21.984	30.00	Pass
119_L	6545	5.74	5.01	5.60	5.06	11.385	1.14	14.745	30.00	Pass
119_R	6545	11.31	11.02	11.35	11.05	17.206	1.14	19.366	30.00	Pass
135	6625	14.430	14.010	14.150	14.240	20.231	N/A	21.251	30.00	Pass
151	6705	14.140	14.050	14.090	14.260	20.156		21.176	30.00	Pass
167	6785	14.210	14.200	14.500	14.370	20.342		21.362	30.00	Pass
183_L	6865	10.05	10.25	9.69	9.99	16.020	1.14	18.180	30.00	Pass
183_R	6865	7.13	7.11	6.49	7.38	13.060	1.14	16.220	30.00	Pass
199	6945	14.560	14.710	14.380	14.670	20.602	N/A	22.622	30.00	Pass
215	7025	14.250	14.050	14.360	14.030	20.195		22.215	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (160MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
47	6185	16.991	17.081	17.051	16.561	22.947	N/A	26.007	30.00	Pass
79	6345	16.907	17.067	16.717	16.987	22.942		26.002	30.00	Pass
111_L	6505	12.400	12.250	12.720	12.070	18.387	4.27	24.877	30.00	Pass
111_R	6505	10.240	9.940	10.300	10.030	16.151	4.27	21.441	30.00	Pass
143	6665	19.115	18.825	19.015	18.925	24.992	N/A	26.012	30.00	Pass
175_L	6825	13.950	14.000	14.010	13.990	20.008	4.27	25.298	30.00	Pass
175_R	6825	6.910	6.170	6.790	6.660	12.662	4.27	18.952	30.00	Pass
207	6985	18.300	18.350	18.090	18.220	24.262	N/A	26.282	30.00	Pass

## Note:

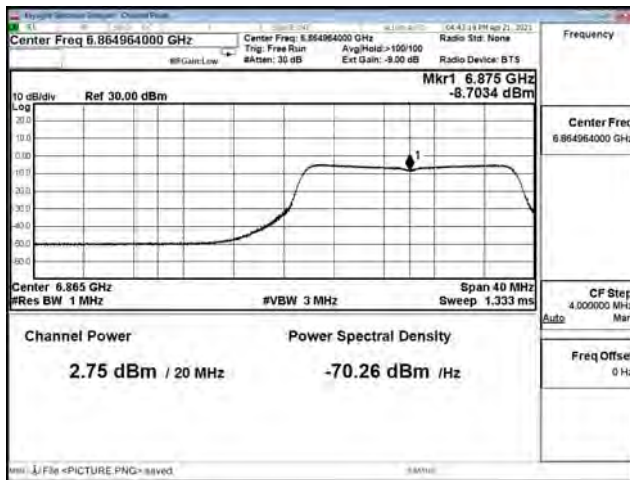
1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

**For Straddle Channels of power**

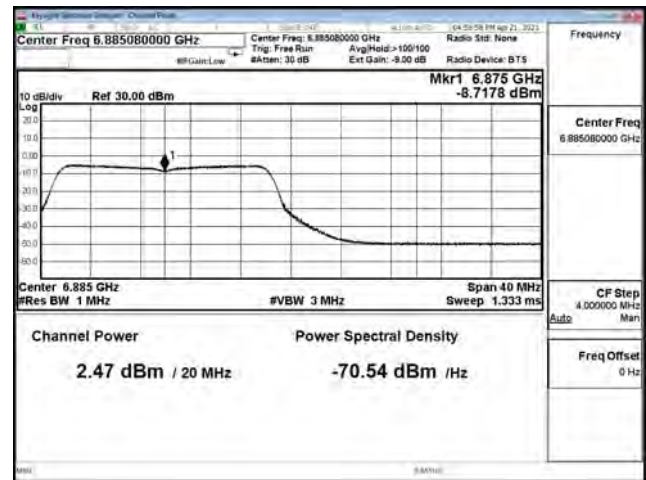
Spectrum plot value of power	
<p>802.11a / Ant. 0 / 6875 MHz (U-NII-7)</p> <p>Channel Power: 1.78 dBm / 20 MHz Power Spectral Density: -71.23 dBm / Hz</p>	<p>802.11a / Ant. 0 / 6875 MHz (U-NII-8)</p> <p>Channel Power: 1.81 dBm / 20 MHz Power Spectral Density: -71.20 dBm / Hz</p>
<p>802.11a / Ant. 1 / 6875 MHz (U-NII-7)</p> <p>Channel Power: 2.71 dBm / 20 MHz Power Spectral Density: -70.30 dBm / Hz</p>	<p>802.11a / Ant. 1 / 6875 MHz (U-NII-8)</p> <p>Channel Power: 2.19 dBm / 20 MHz Power Spectral Density: -70.82 dBm / Hz</p>
<p>802.11a / Ant. 2 / 6875 MHz (U-NII-7)</p> <p>Channel Power: 1.65 dBm / 20 MHz Power Spectral Density: -71.36 dBm / Hz</p>	<p>802.11a / Ant. 2 / 6875 MHz (U-NII-8)</p> <p>Channel Power: 1.68 dBm / 20 MHz Power Spectral Density: -71.33 dBm / Hz</p>

Spectrum plot value of power

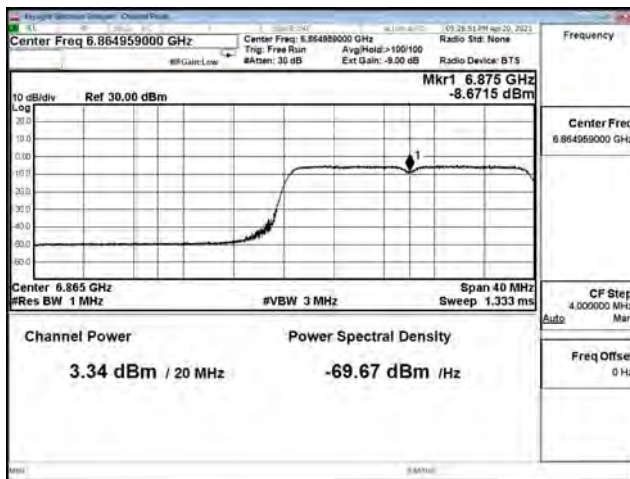
802.11a / Ant. 3 / 6875 MHz (U-NII-7)



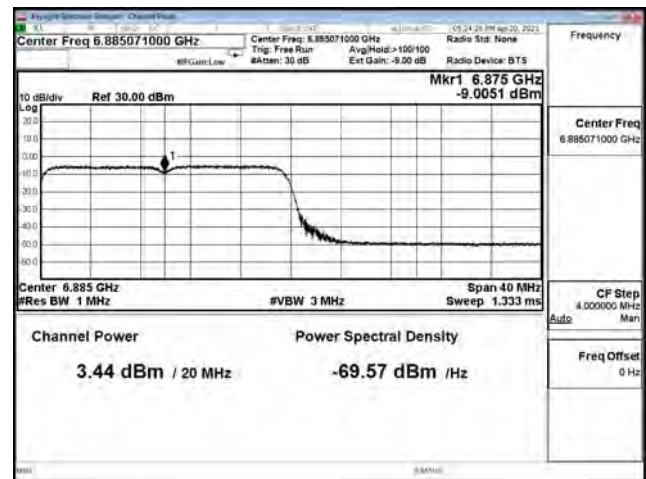
802.11a / Ant. 3 / 6875 MHz (U-NII-8)



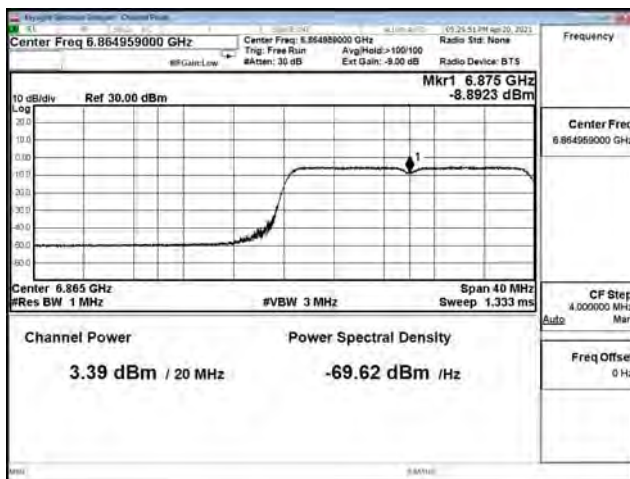
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-7)



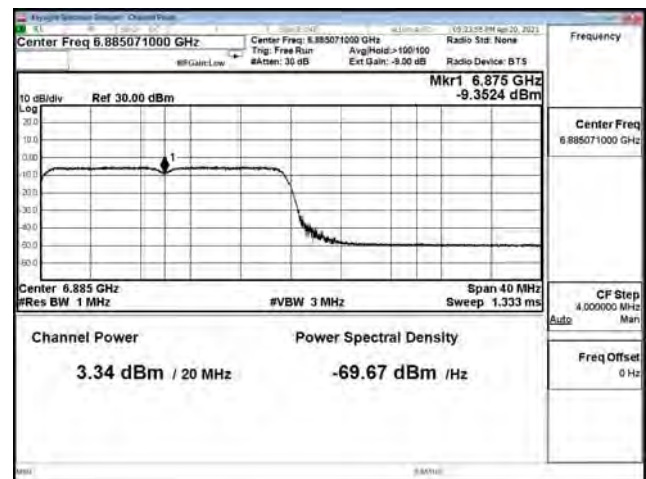
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-7)



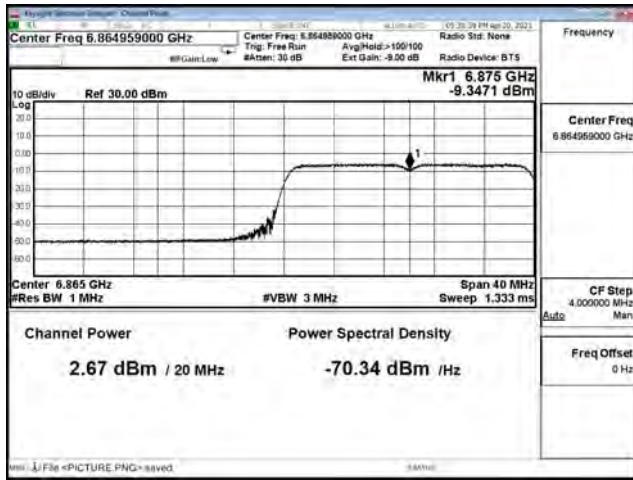
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-8)



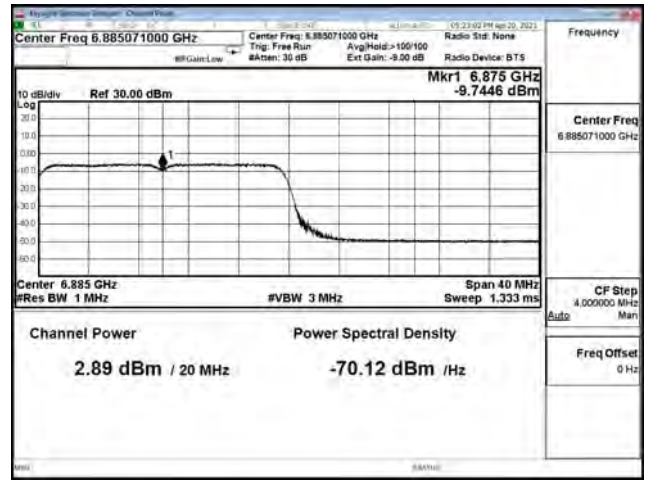


**Spectrum plot value of power**

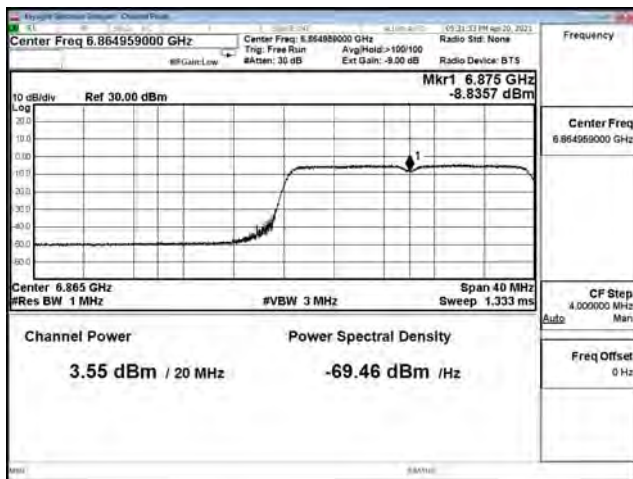
802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-7)



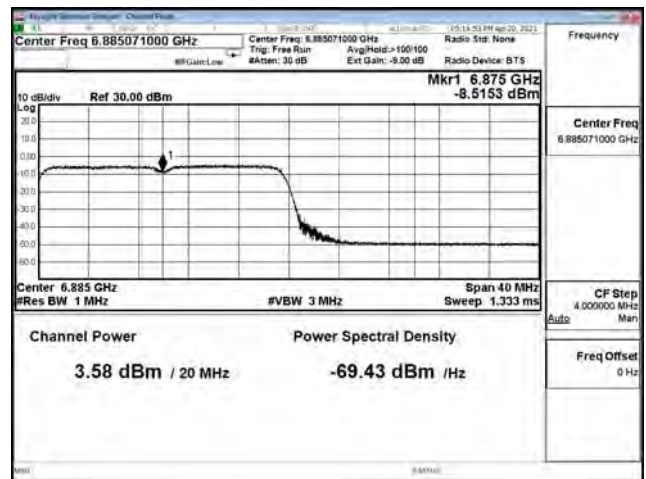
802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-7)

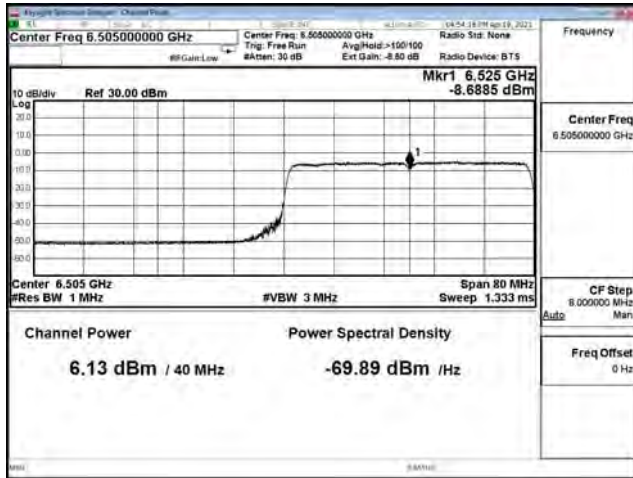


802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-8)

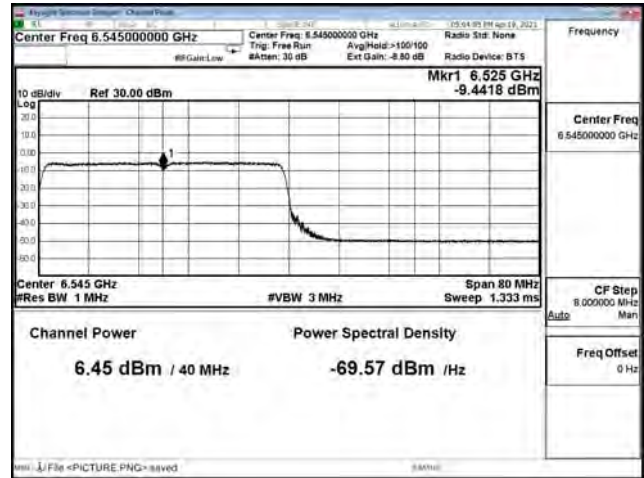


**Spectrum plot value of power**

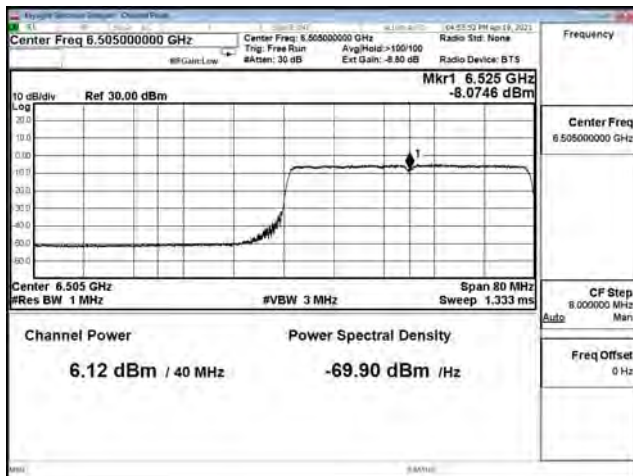
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-7)



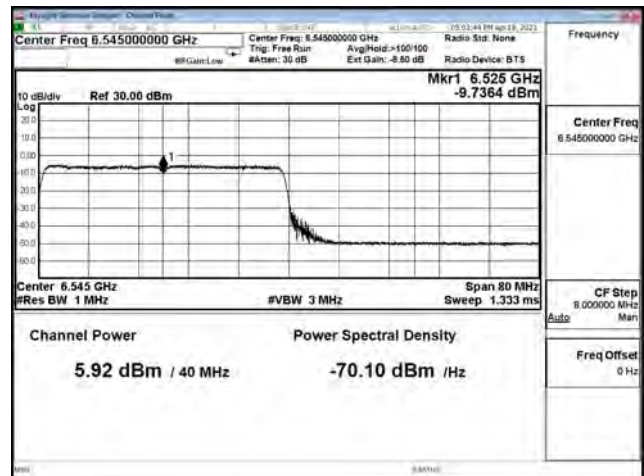
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-8)



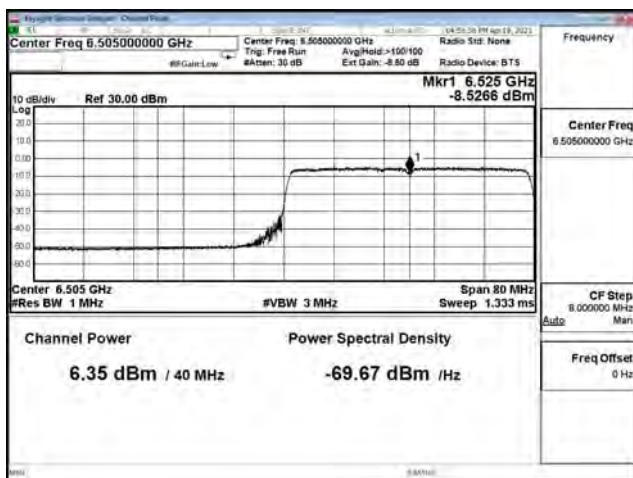
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-7)



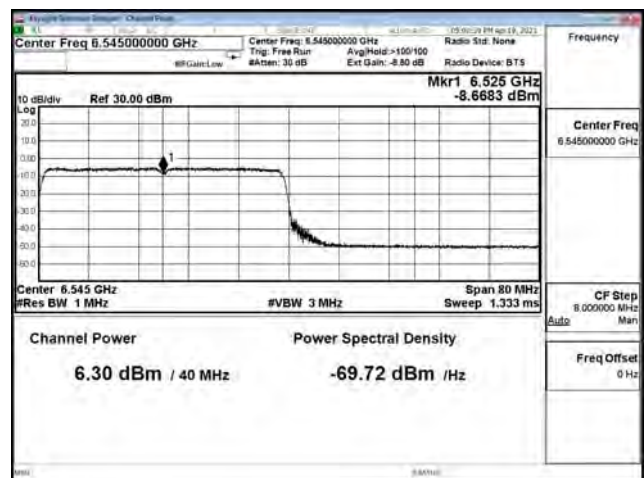
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-7)

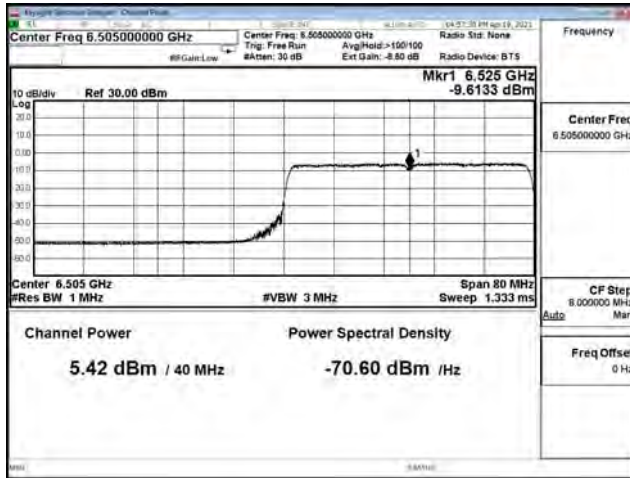


802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-8)

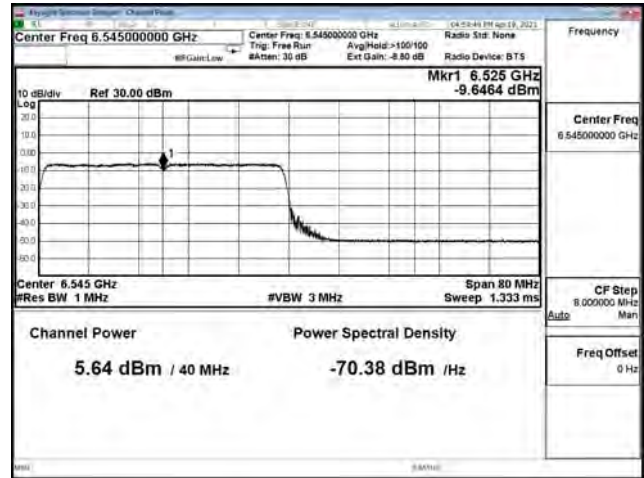


Spectrum plot value of power

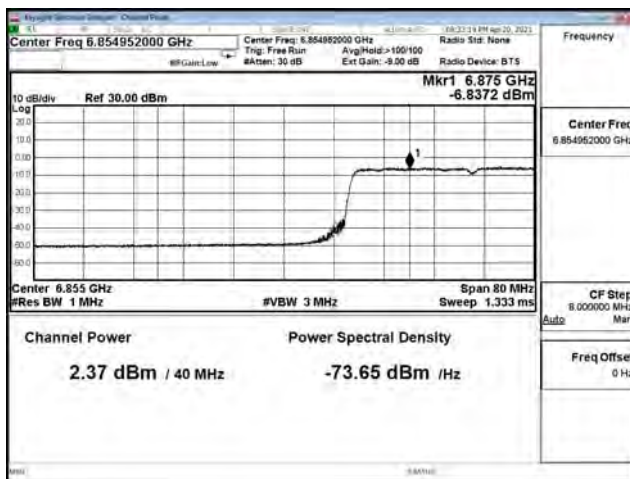
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-7)



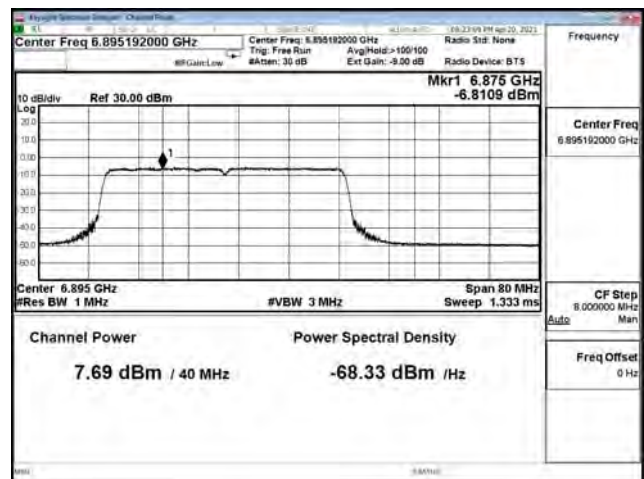
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-8)



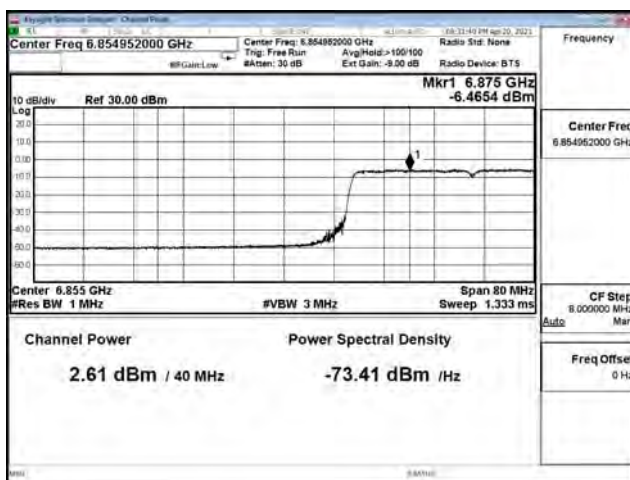
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-7)



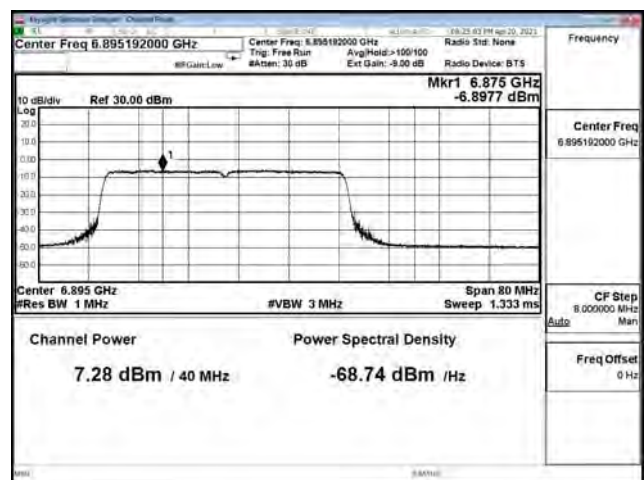
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-7)



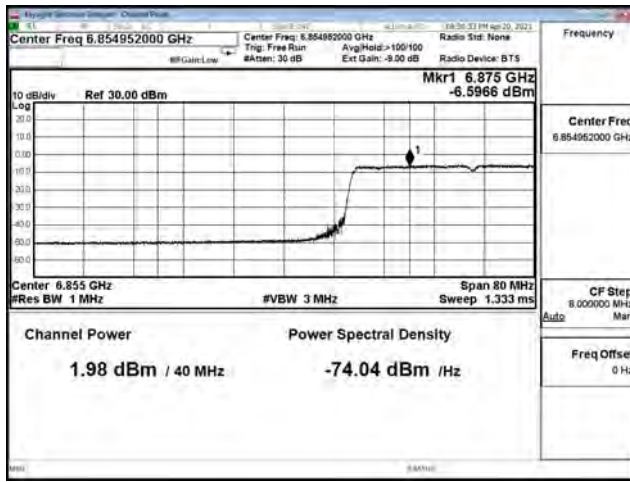
802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-8)



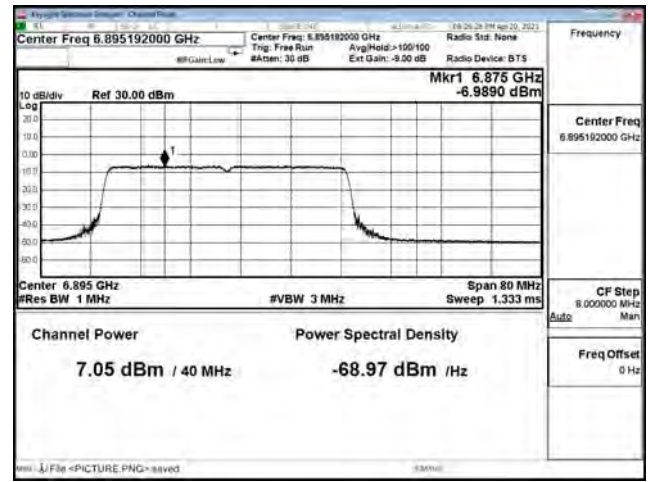


**Spectrum plot value of power**

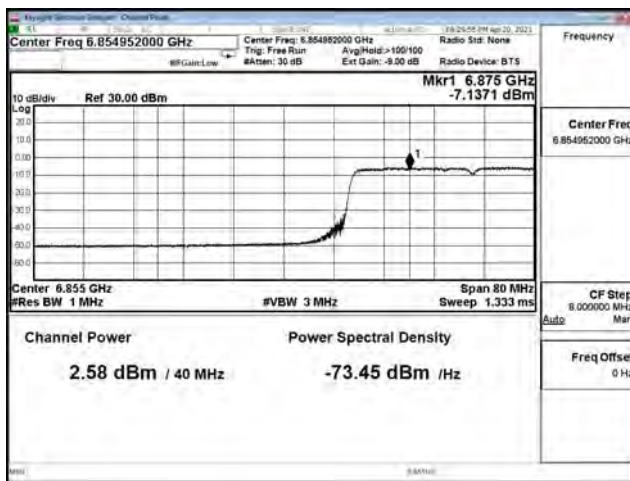
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-7)



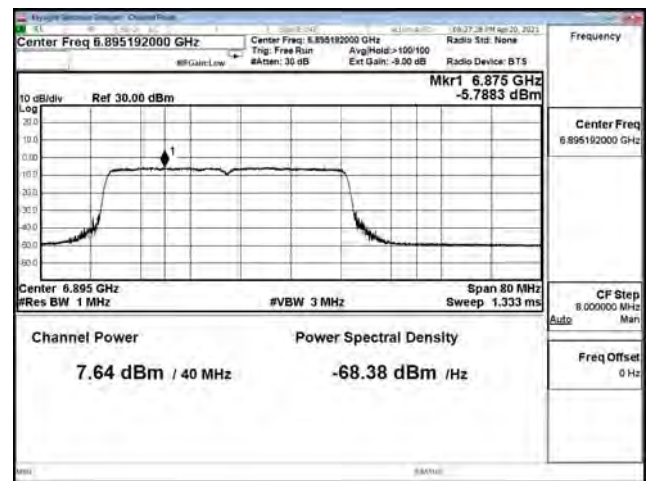
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-7)

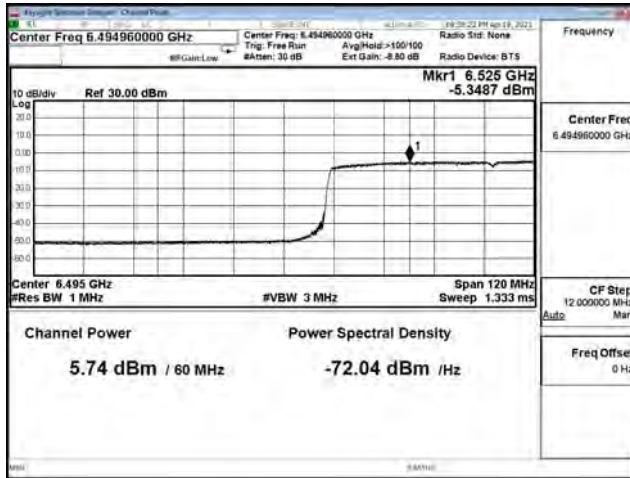


802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-8)

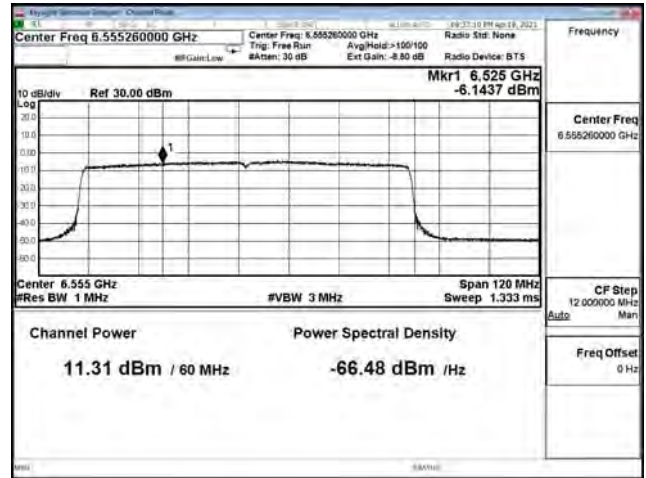


Spectrum plot value of power

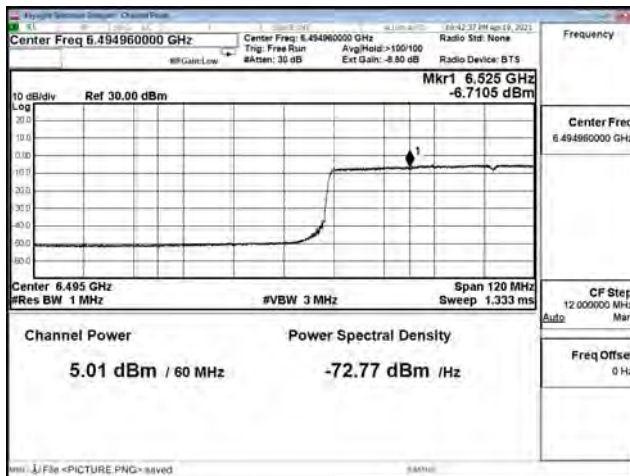
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-7)



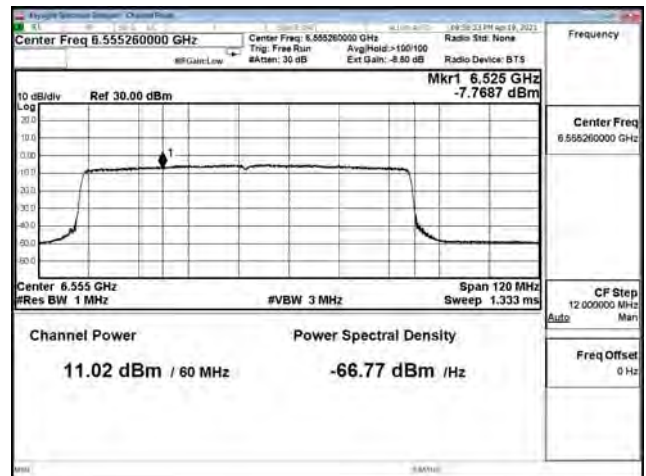
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-8)



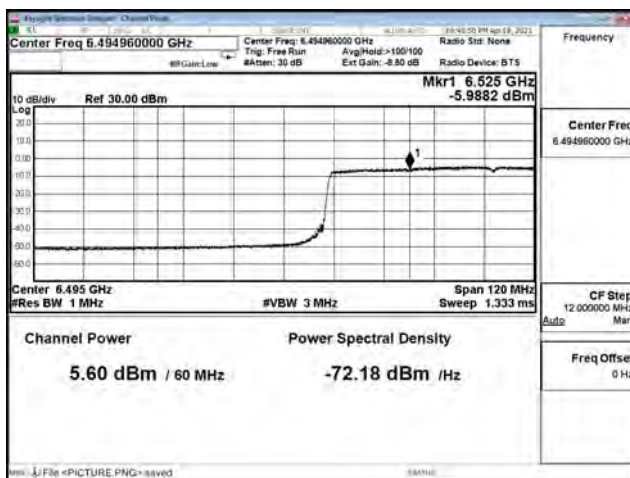
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-7)



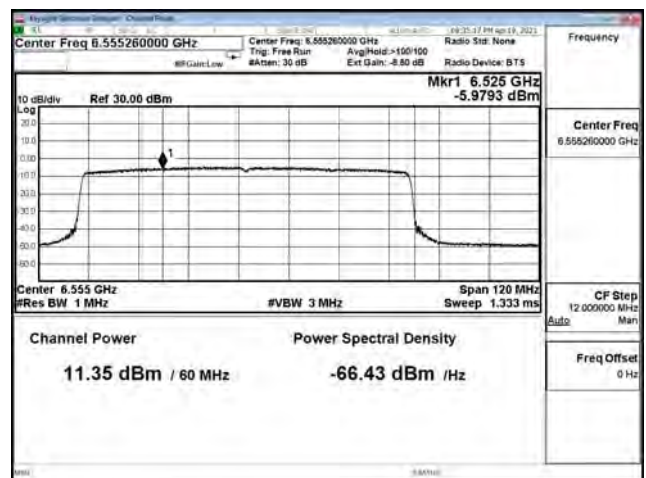
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-7)



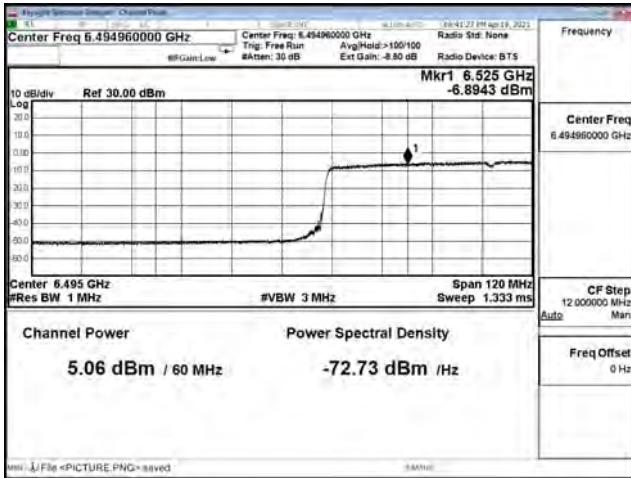
802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-8)



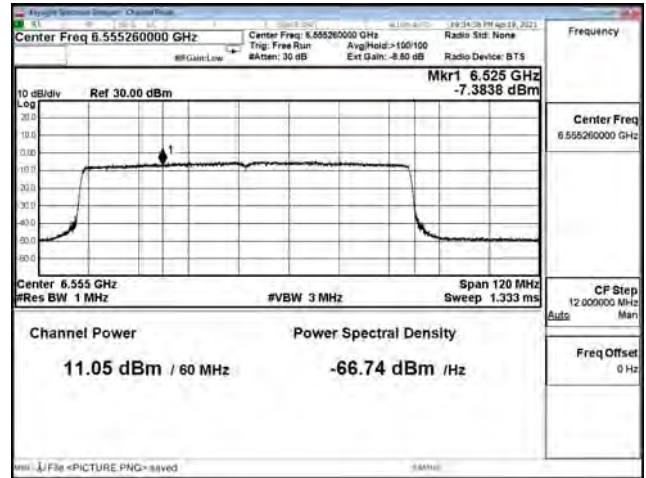


Spectrum plot value of power

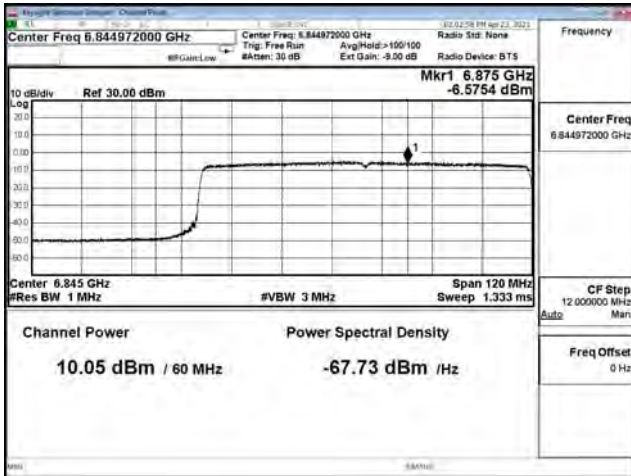
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-7)



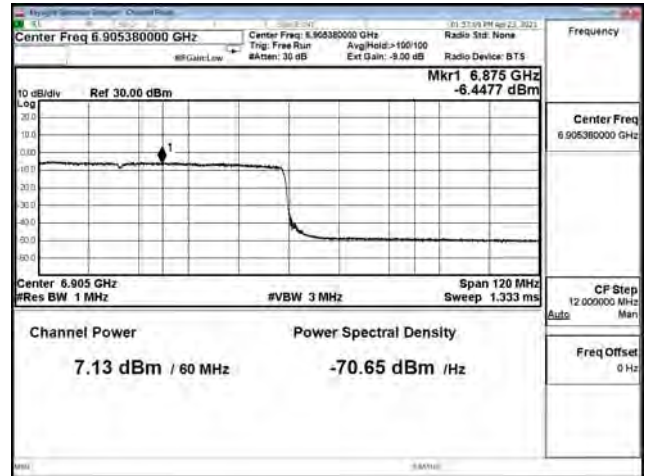
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-8)



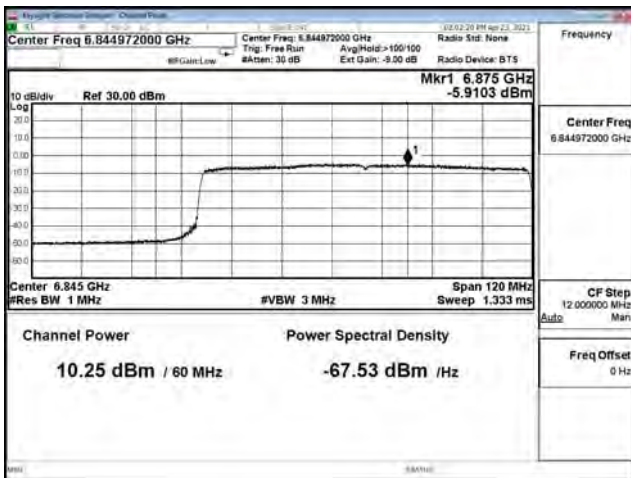
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-7)



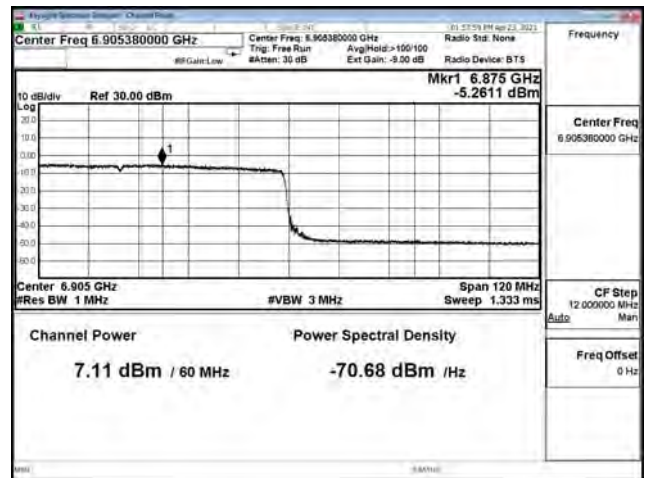
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-7)

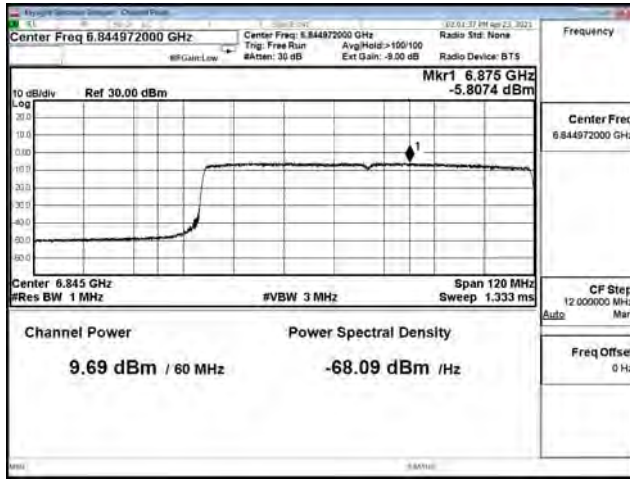


802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-8)

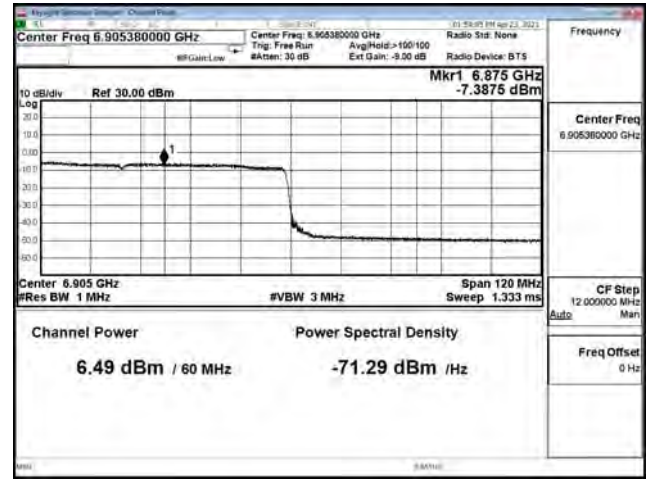


Spectrum plot value of power

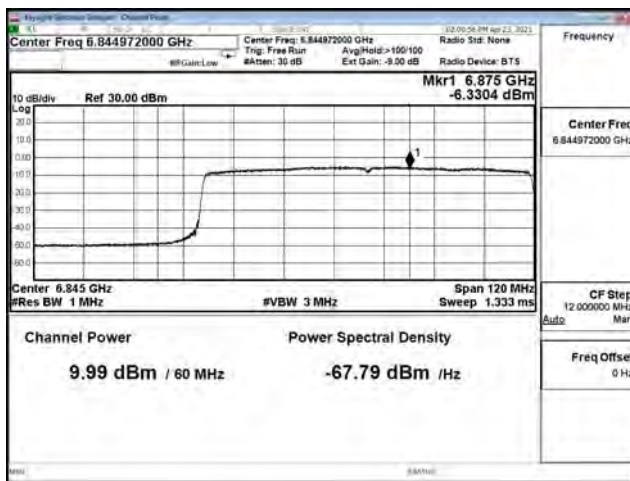
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-7)



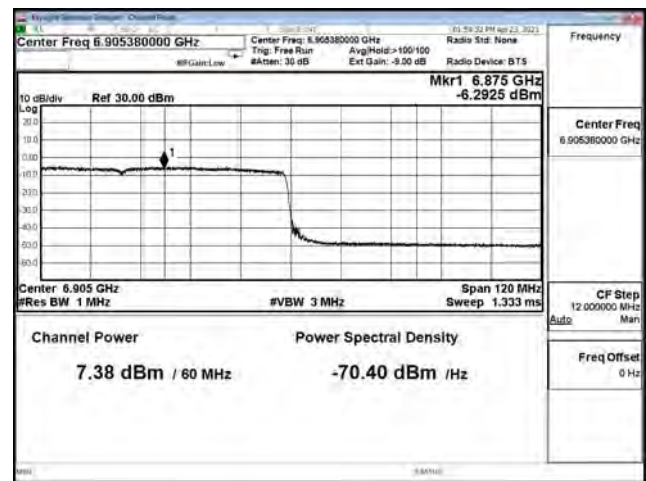
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-8)



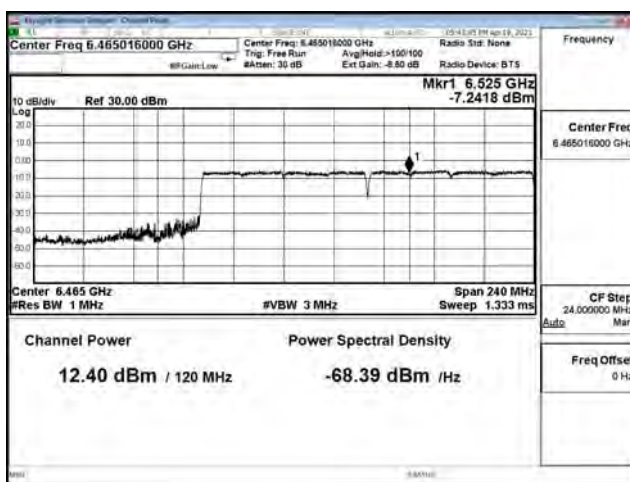
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-7)



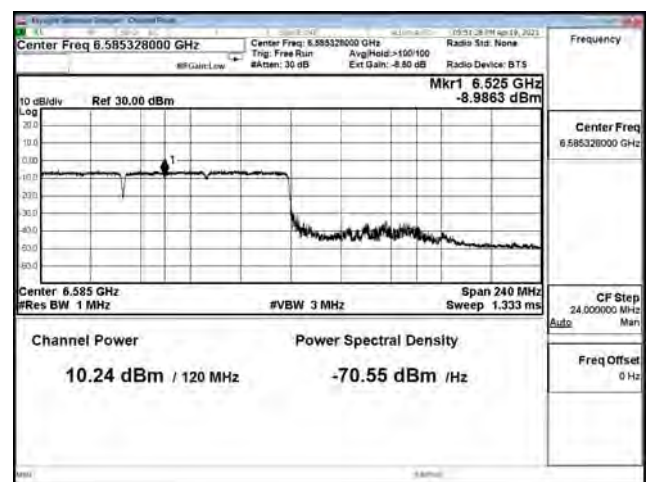
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-7)



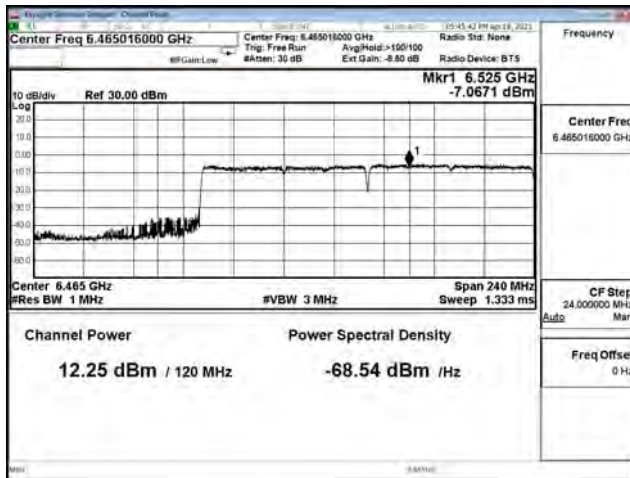
802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-8)



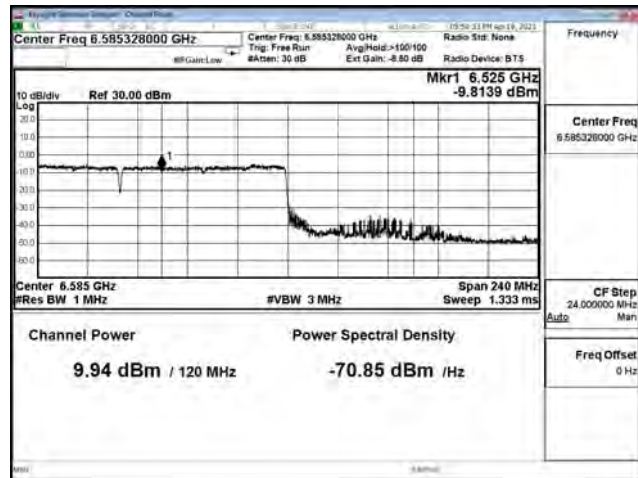


**Spectrum plot value of power**

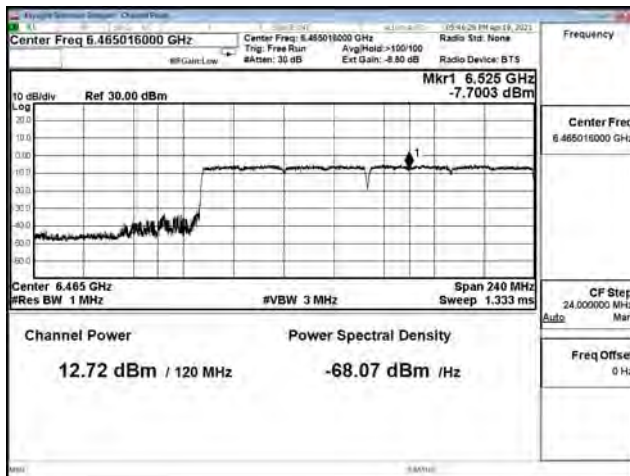
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-7)



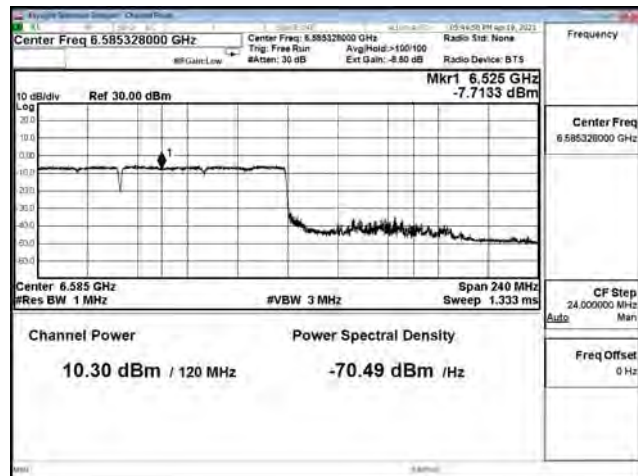
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-8)



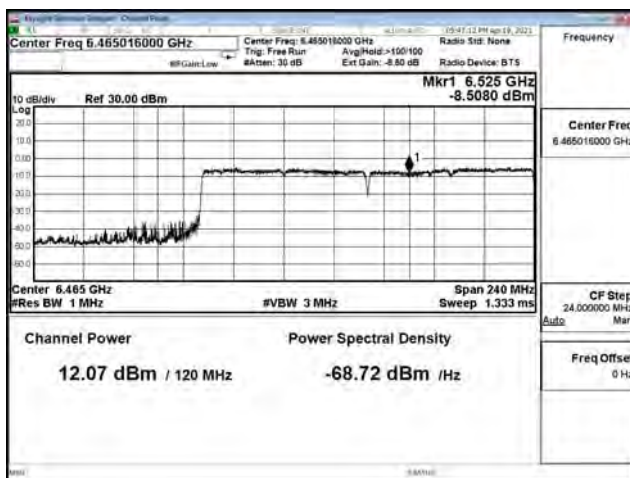
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-7)



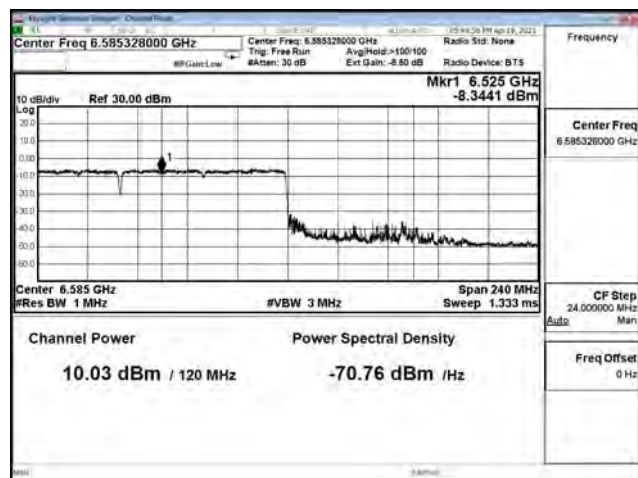
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-7)

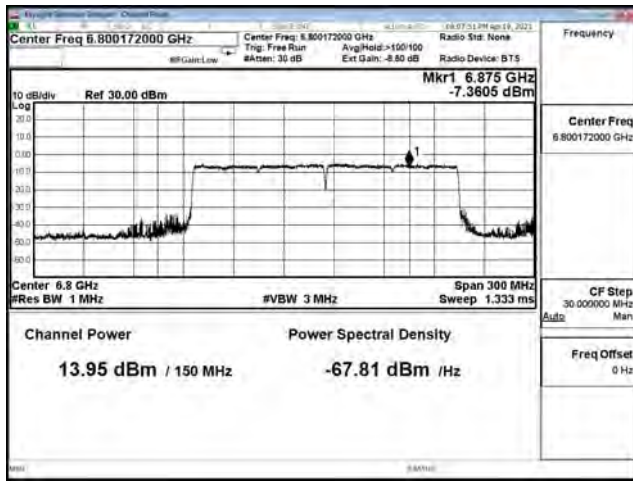


802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-8)

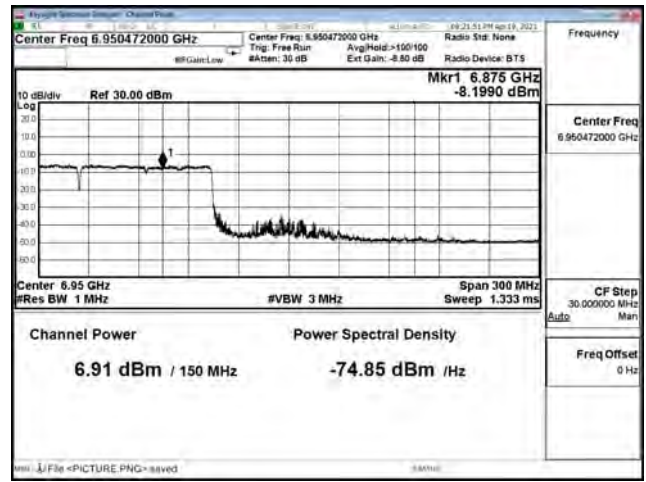


**Spectrum plot value of power**

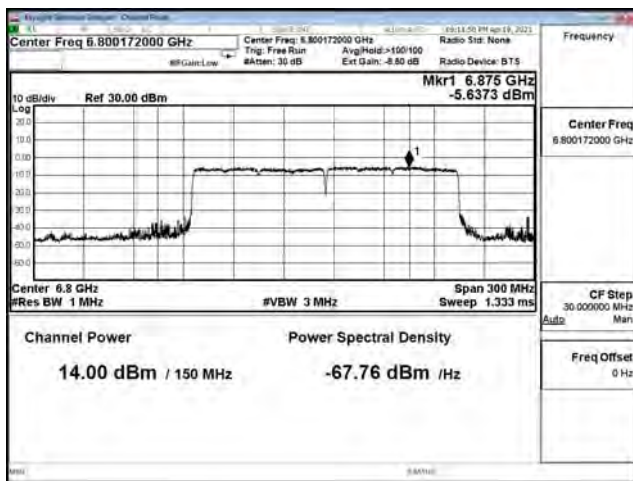
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-7)



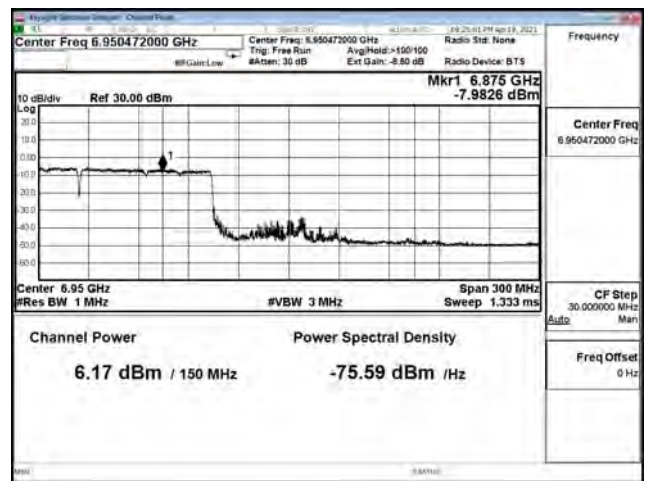
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-8)



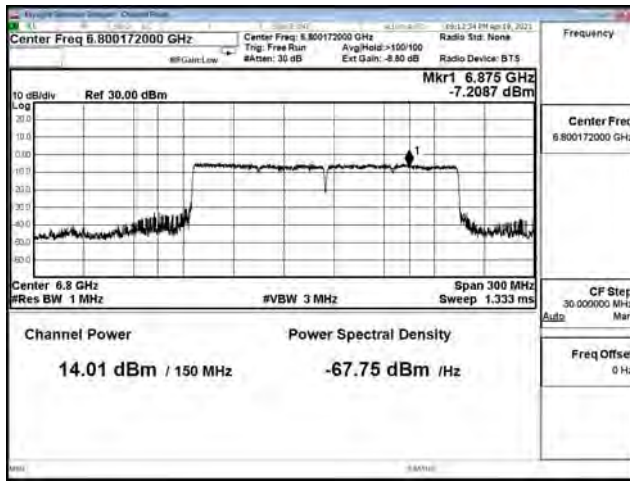
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-7)



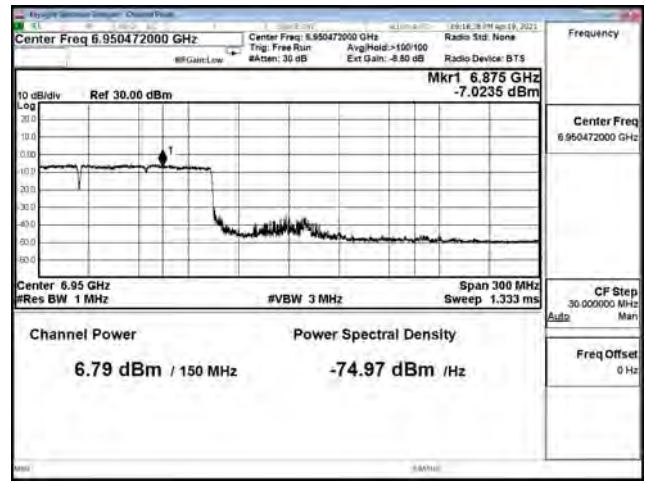
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-8)



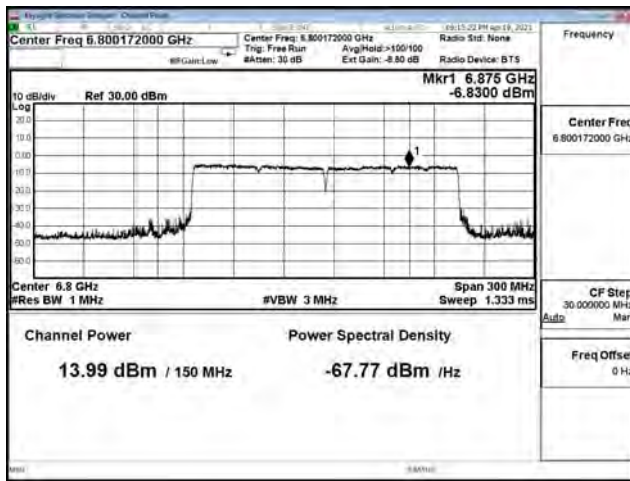
802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-7)



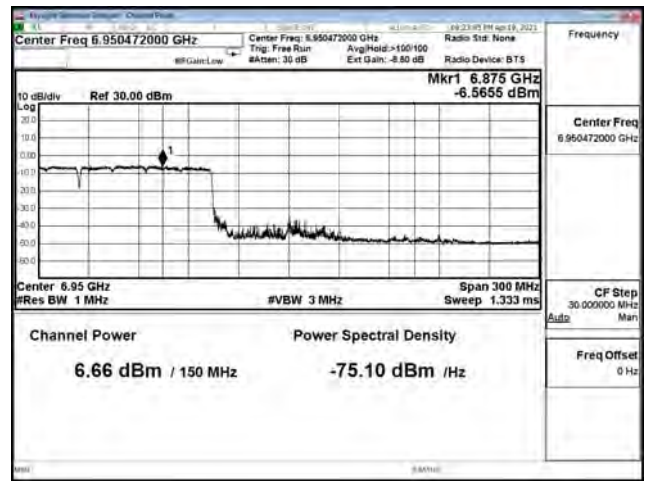
802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-7)



802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-8)



Non-beamforming mode for RU-Center

802.11ax (20 MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
33	6115	3.750	3.210	3.390	3.820	9.570	N/A	12.630	30.00	Pass
61	6255	3.420	3.520	3.080	3.270	9.346		12.406	30.00	Pass
93	6415	3.820	4.230	3.720	4.060	9.983		13.043	30.00	Pass
97	6435	5.300	5.680	5.220	5.450	11.437		13.657	30.00	Pass
105	6475	4.950	5.650	5.240	5.430	11.346		13.566	30.00	Pass
113	6515	5.120	5.490	5.120	5.050	11.219		13.439	30.00	Pass
117	6535	5.780	6.000	5.710	5.720	11.825		12.845	30.00	Pass
149	6695	4.920	5.200	4.980	5.350	11.137		12.157	30.00	Pass
181	6855	5.460	5.940	5.390	6.090	11.751		12.771	30.00	Pass
185_L	6875	1.210	1.670	0.730	0.900	7.163		0.34	8.523	30.00
185_R	6875	1.220	1.640	0.650	2.060	7.444	0.34	9.804	30.00	Pass
189	6895	5.680	5.780	5.380	5.740	11.668	N/A	13.688	30.00	Pass
209	6995	5.430	5.250	5.290	5.350	11.351		13.371	30.00	Pass
229	7095	5.430	5.600	5.380	5.240	11.435		13.455	30.00	Pass

Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.



## 802.11ax (40MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
35	6125	7.810	7.570	7.170	7.930	13.650	N/A	16.710	30.00	Pass
59	6245	7.420	7.430	7.150	7.250	13.335		16.395	30.00	Pass
91	6405	7.780	8.070	7.550	7.890	13.847		16.907	30.00	Pass
99	6445	9.040	9.030	9.080	8.750	14.998		17.218	30.00	Pass
107	6485	9.310	9.650	9.730	9.050	15.464		17.684	30.00	Pass
115_L	6525	3.790	3.520	3.670	3.140	9.557	0.79	12.567	30.00	Pass
115_R	6525	3.230	3.080	3.540	2.890	9.212	0.79	11.022	30.00	Pass
123	6565	9.260	9.420	9.550	9.050	15.345	N/A	16.365	30.00	Pass
155	6725	9.260	9.020	8.990	9.040	15.099		16.119	30.00	Pass
179	6845	9.360	9.520	9.050	9.250	15.319		16.339	30.00	Pass
187_L	6885	-7.240	-6.570	-7.720	-7.020	-1.097	0.79	0.713	30.00	Pass
187_R	6885	6.780	6.900	6.040	6.610	12.615	0.79	15.425	30.00	Pass
195	6925	9.030	8.910	8.880	8.610	14.881	N/A	16.901	30.00	Pass
211	7005	9.040	8.710	8.880	8.700	14.855		16.875	30.00	Pass
227	7085	9.000	8.630	9.330	8.570	14.914		16.934	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (80MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
39	6145	11.160	10.960	11.010	10.720	16.986	N/A	20.046	30.00	Pass
55	6225	11.300	11.090	11.200	11.000	17.170		20.230	30.00	Pass
87	6385	11.370	11.250	11.150	11.300	17.289		20.349	30.00	Pass
103	6465	12.760	12.670	12.710	12.750	18.743		20.963	30.00	Pass
119_L	6545	3.250	3.000	3.200	2.840	9.096	1.02	12.336	30.00	Pass
119_R	6545	10.880	10.420	10.700	10.260	16.592	1.02	18.632	30.00	Pass
135	6625	13.050	12.610	12.770	12.800	18.831	N/A	19.851	30.00	Pass
151	6705	12.850	12.590	12.720	12.950	18.800		19.820	30.00	Pass
167	6785	13.040	12.880	13.120	13.080	19.052		20.072	30.00	Pass
183_L	6865	9.560	9.570	9.190	9.840	15.567	1.02	17.607	30.00	Pass
183_R	6865	6.210	6.120	5.500	6.430	12.099	1.02	15.139	30.00	Pass
199	6945	13.380	13.450	13.180	13.440	19.384	N/A	21.404	30.00	Pass
215	7025	13.250	13.290	13.400	13.290	19.328		21.348	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (160MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
47	6185	14.770	15.060	15.050	15.300	21.070	N/A	24.130	30.00	Pass
79	6345	14.780	14.760	14.480	15.210	20.836		23.896	30.00	Pass
111_L	6505	11.550	11.210	11.440	11.340	17.407	3.42	23.047	30.00	Pass
111_R	6505	6.310	6.690	6.550	6.090	12.437	3.42	16.877	30.00	Pass
143	6665	17.030	16.920	16.840	17.060	22.984	N/A	24.004	30.00	Pass
175_L	6825	13.560	13.490	13.510	13.360	19.501	3.42	23.941	30.00	Pass
175_R	6825	-4.230	-5.350	-4.820	-4.100	1.424	3.42	6.864	30.00	Pass
207	6985	17.340	17.180	16.700	17.210	23.135	N/A	25.155	30.00	Pass

## Note:

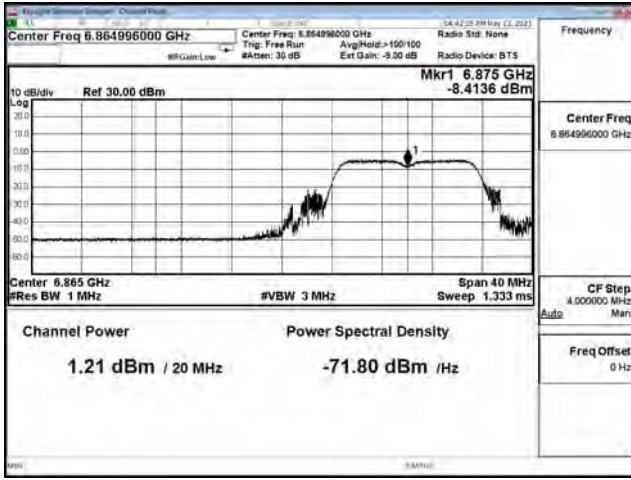
1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.



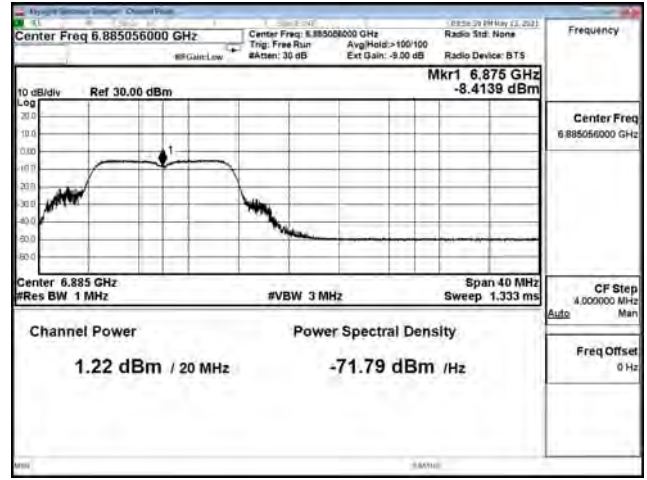
**For Straddle Channels of power**

**Spectrum plot value of power**

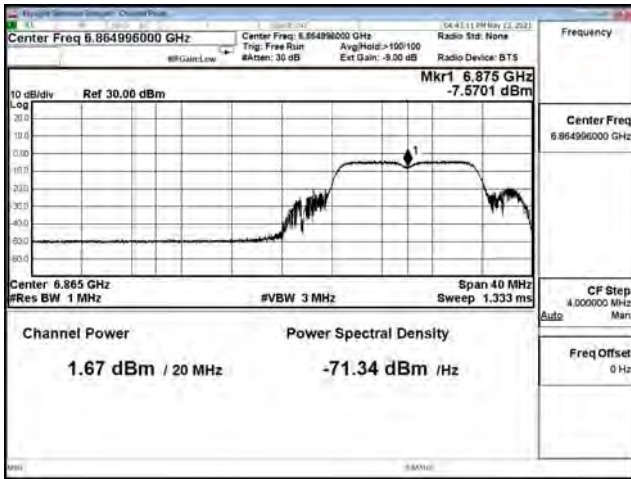
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-7)



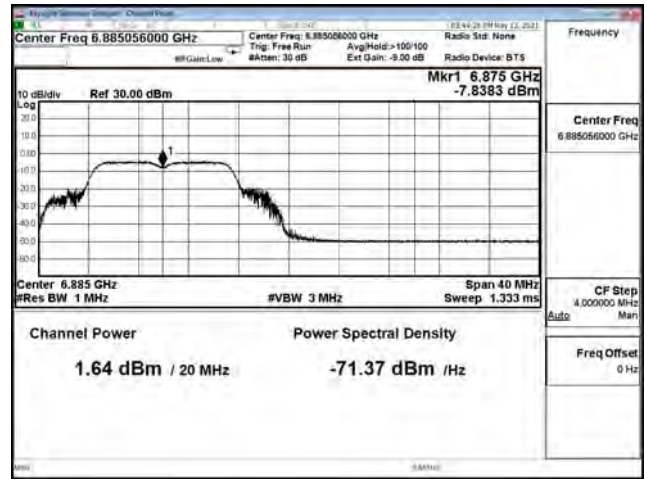
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-8)



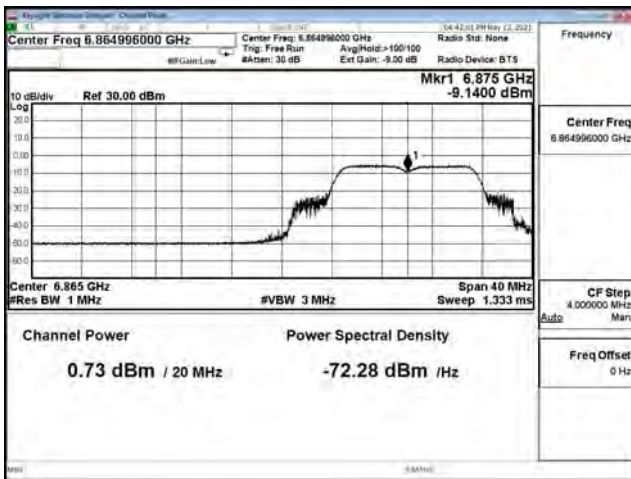
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-7)



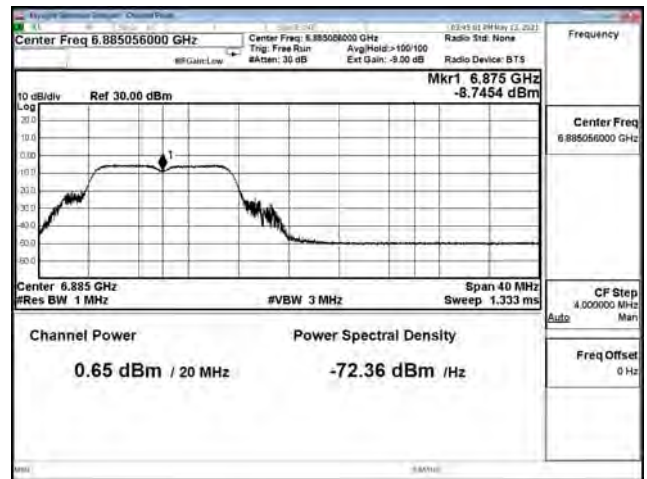
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-7)



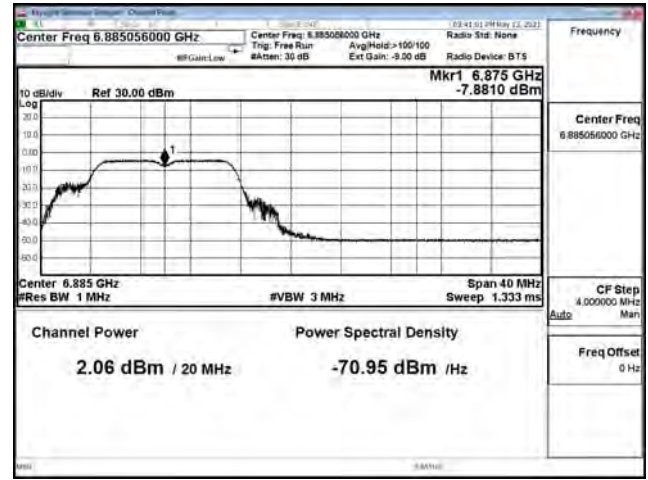
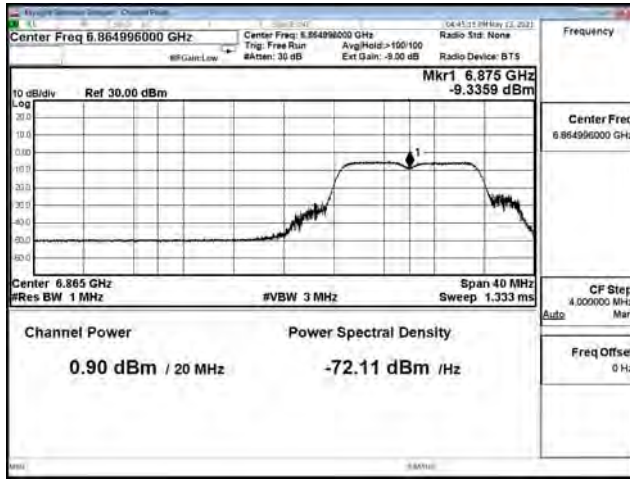
802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-8)



**Spectrum plot value of power**

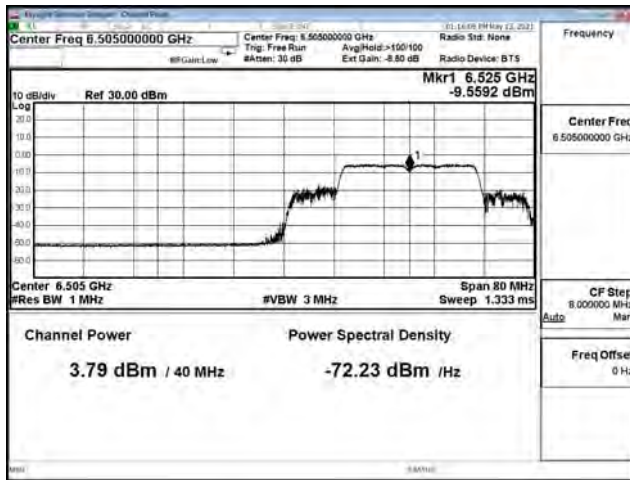
802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-7)

802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-8)

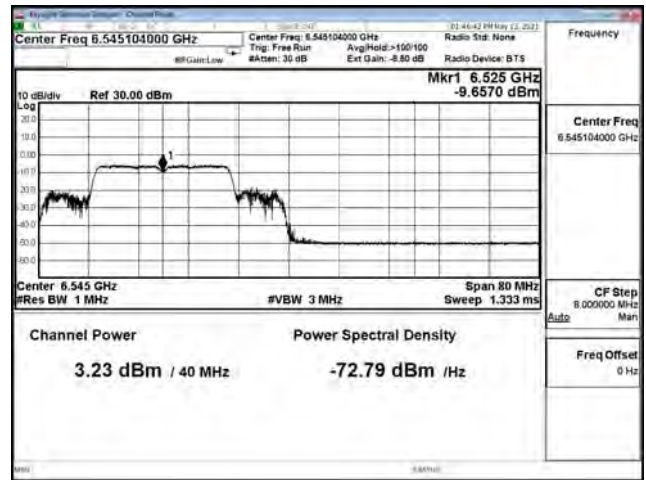


**Spectrum plot value of power**

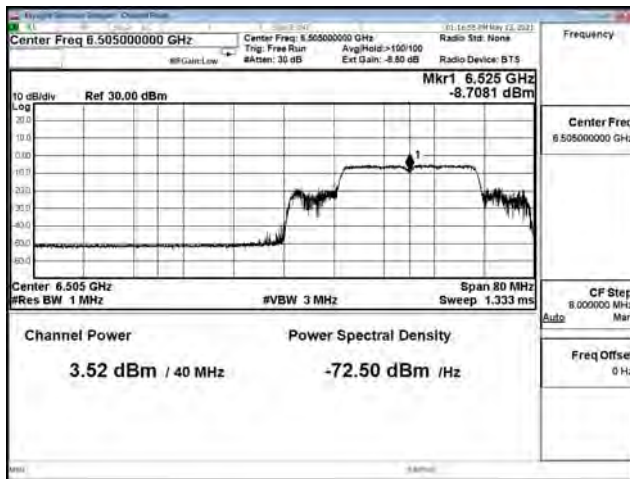
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-7)



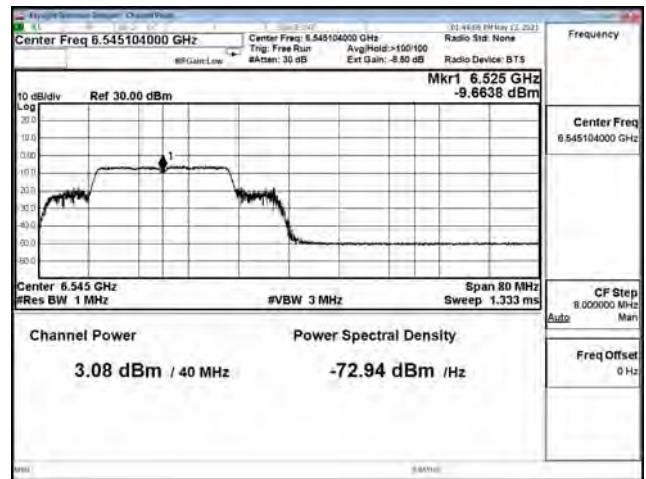
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-8)



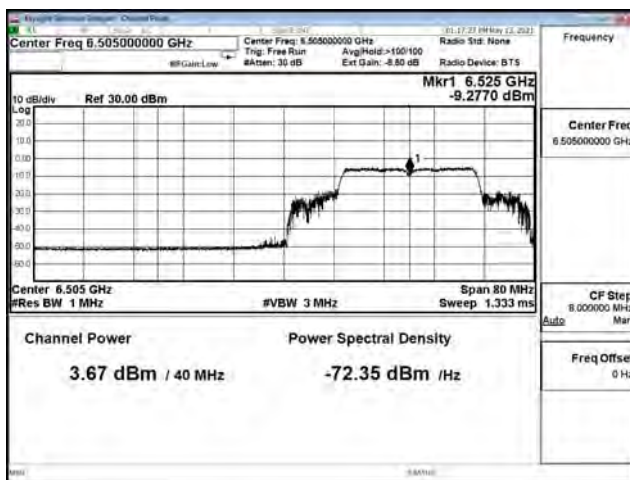
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-7)



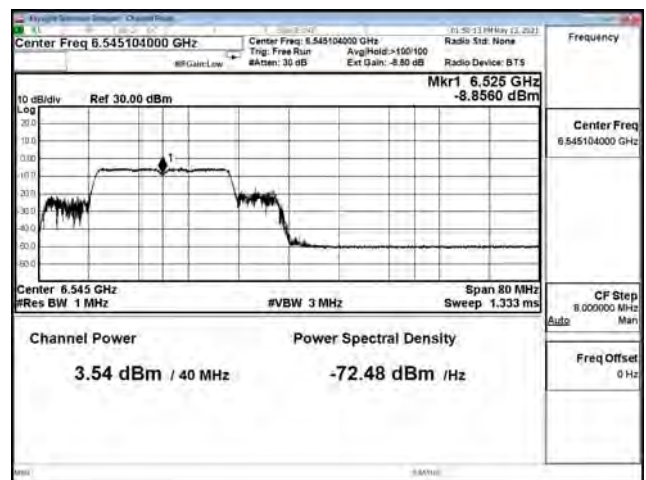
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-7)



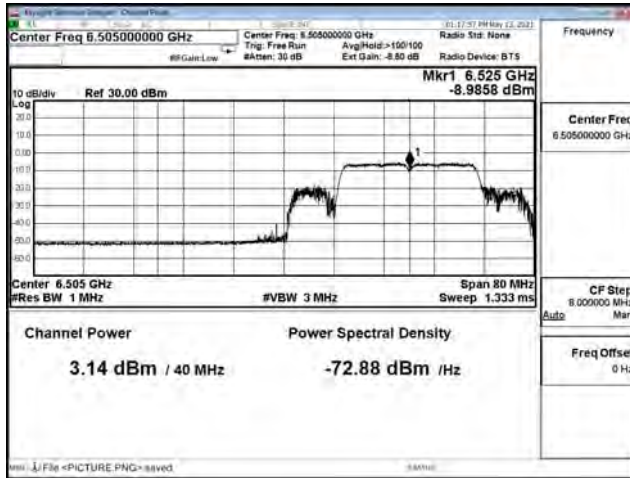
802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-8)



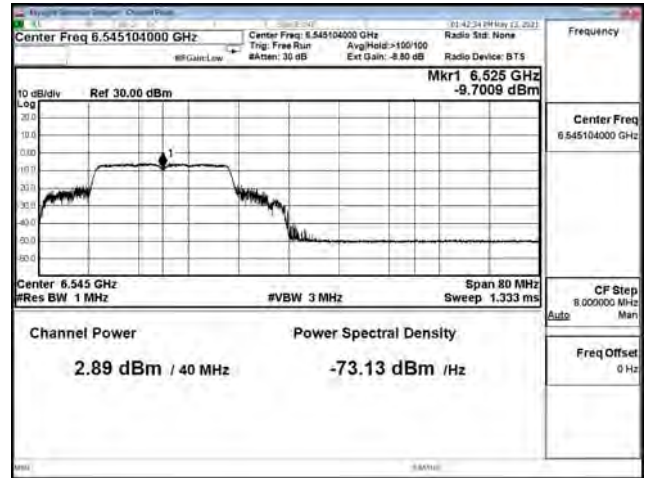


**Spectrum plot value of power**

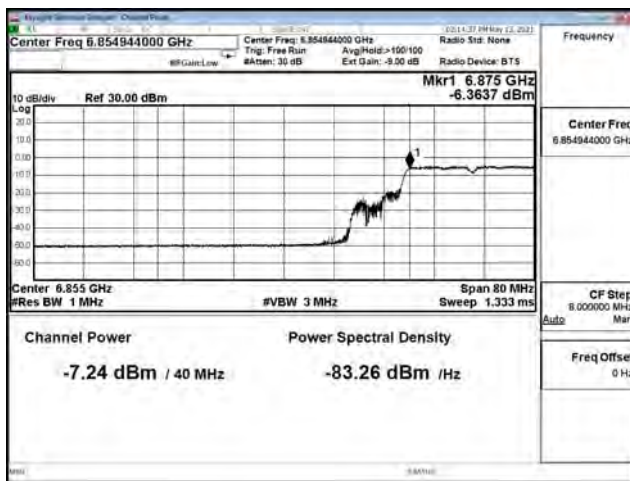
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-7)



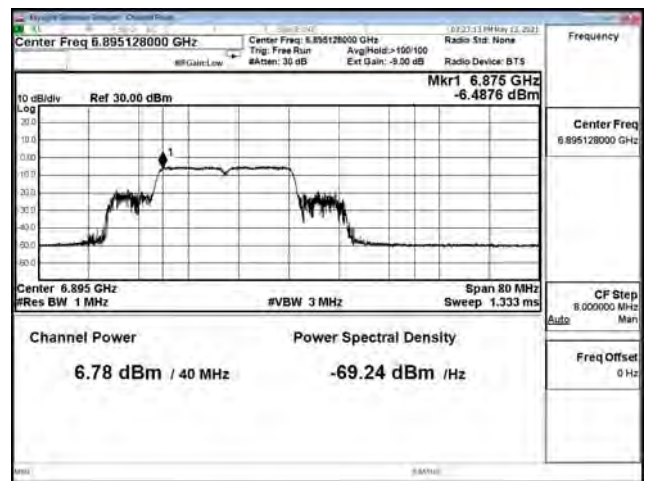
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-8)



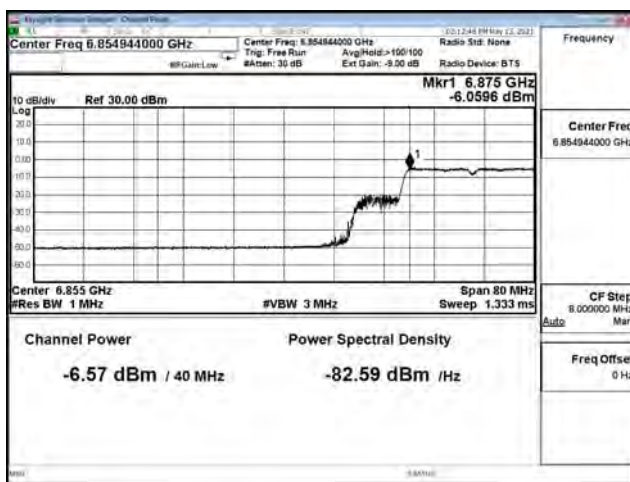
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-7)



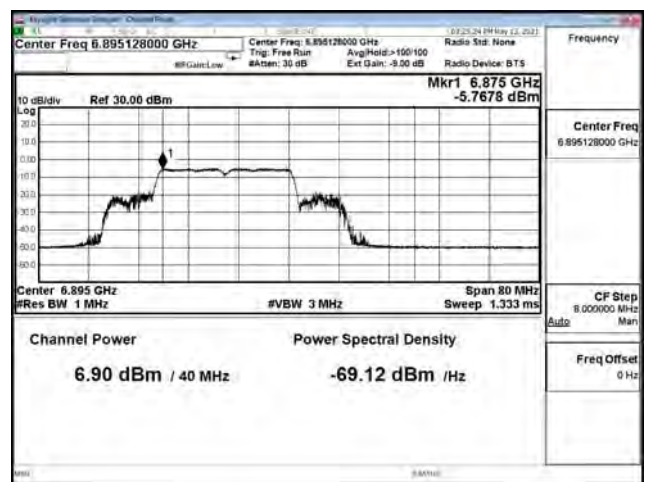
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-7)

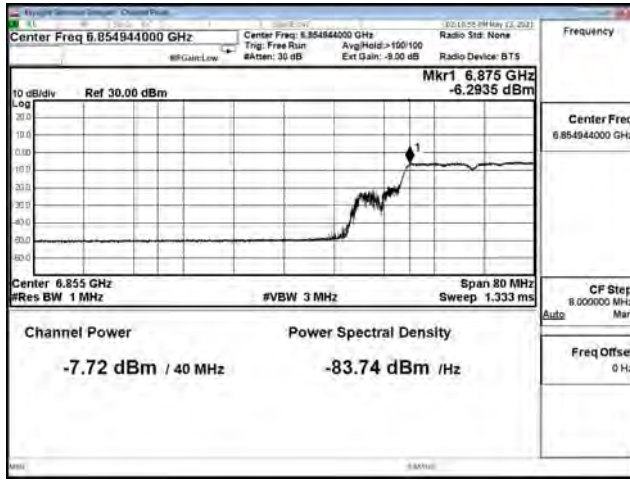


802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-8)

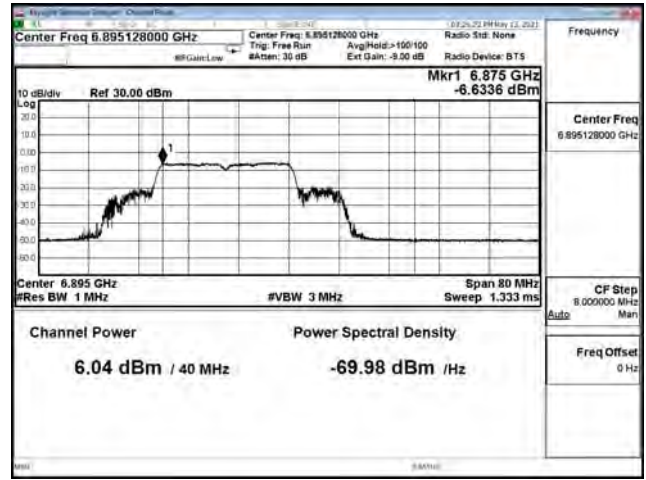


Spectrum plot value of power

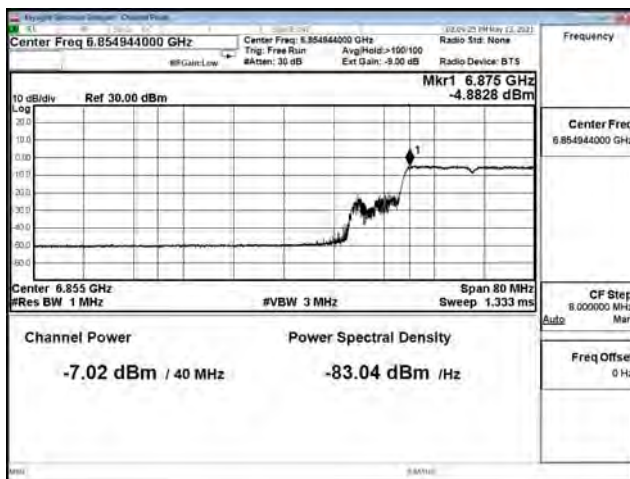
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-7)



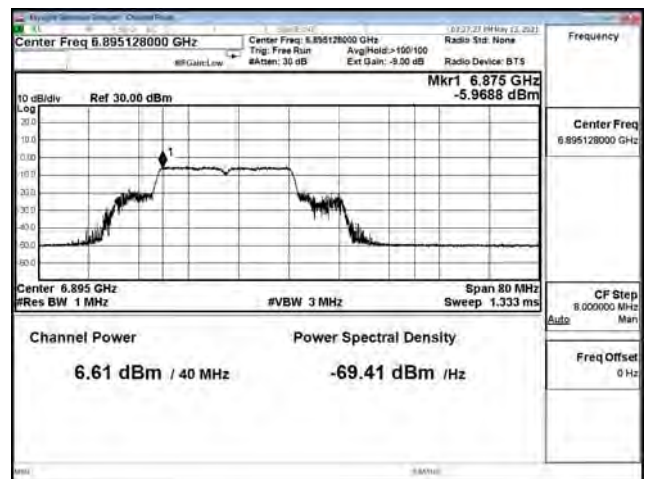
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-7)

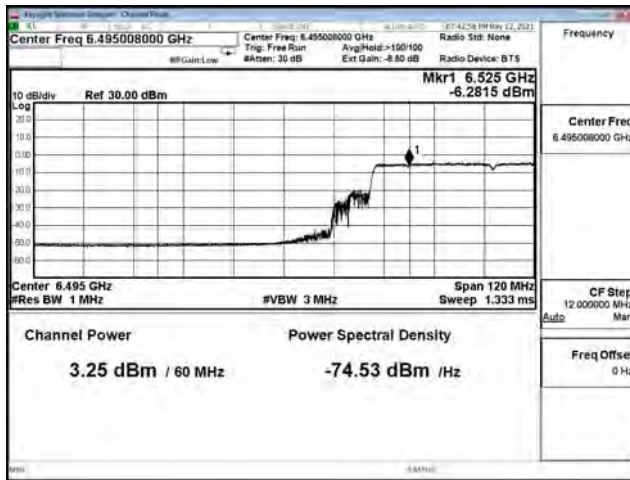


802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-8)

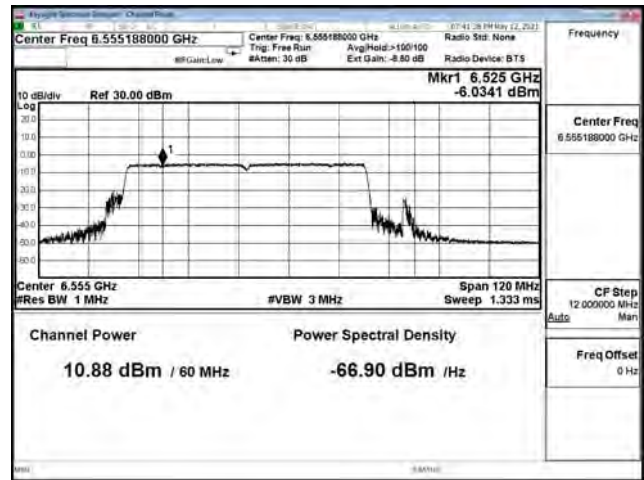


Spectrum plot value of power

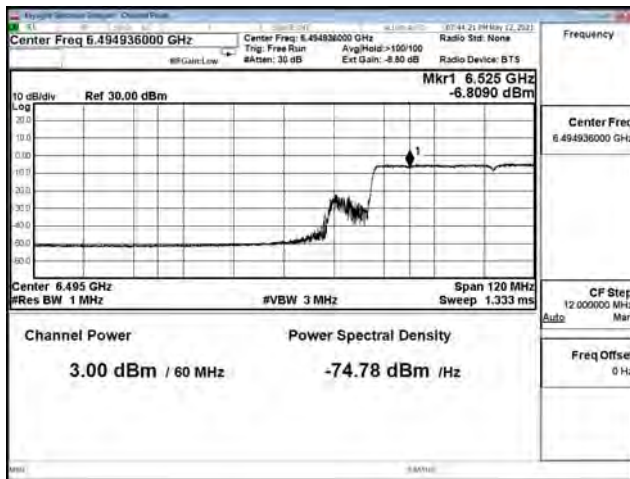
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-7)



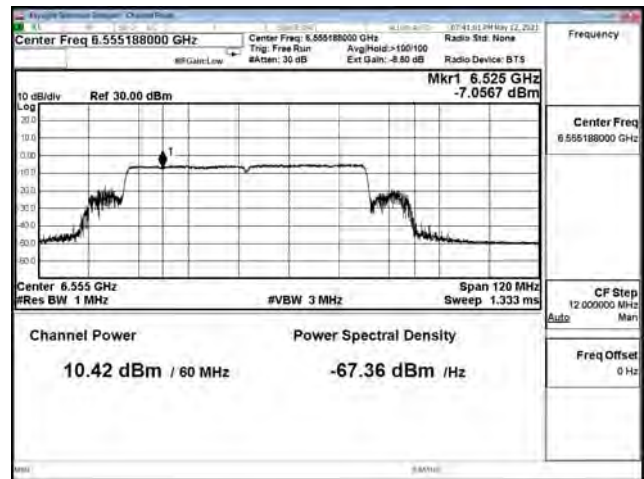
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-8)



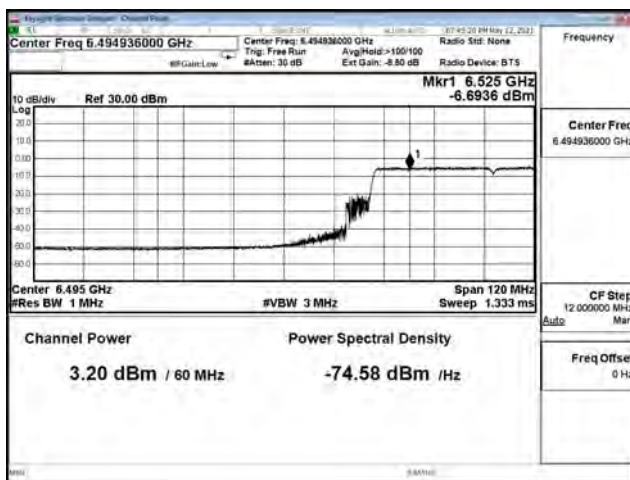
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-7)



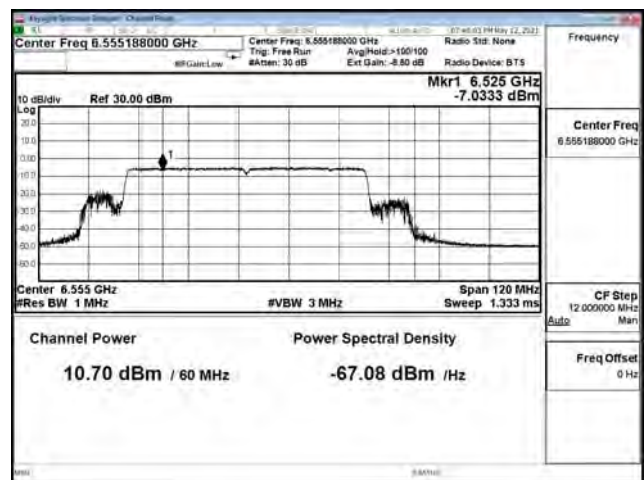
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-7)



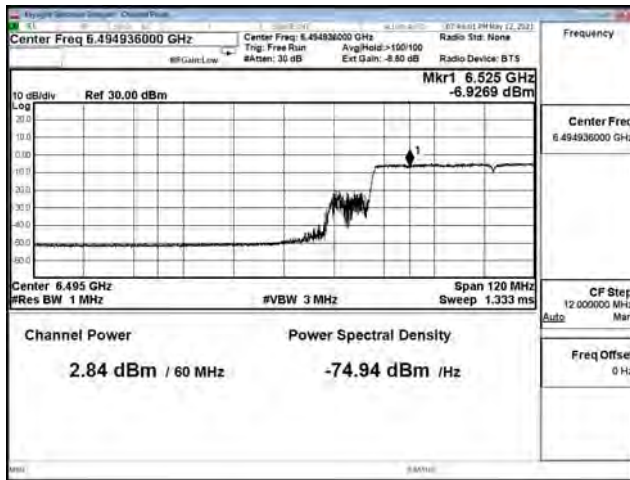
802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-8)



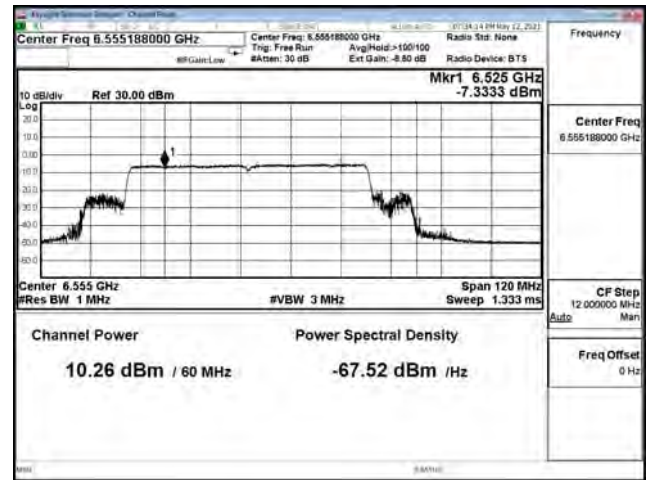


**Spectrum plot value of power**

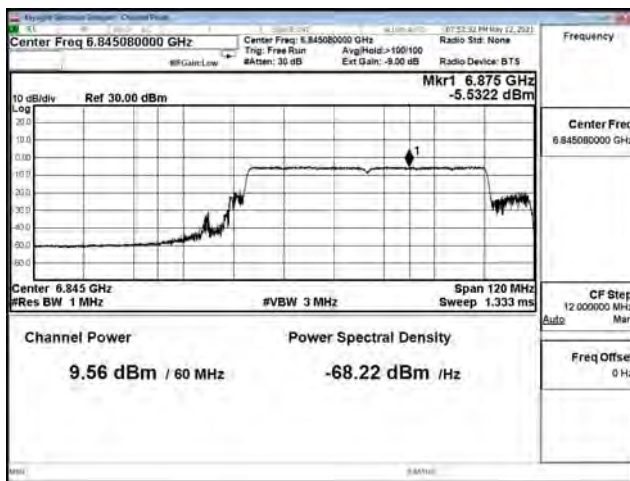
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-7)



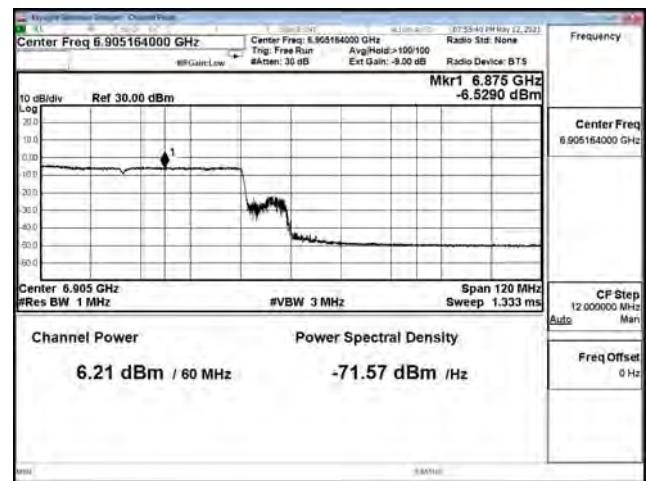
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-8)



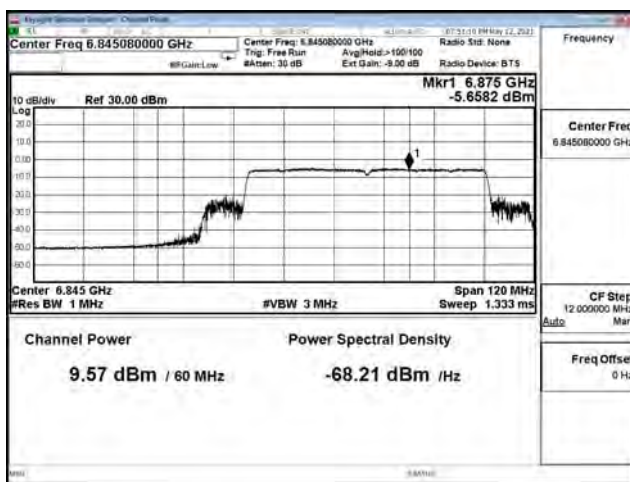
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-7)



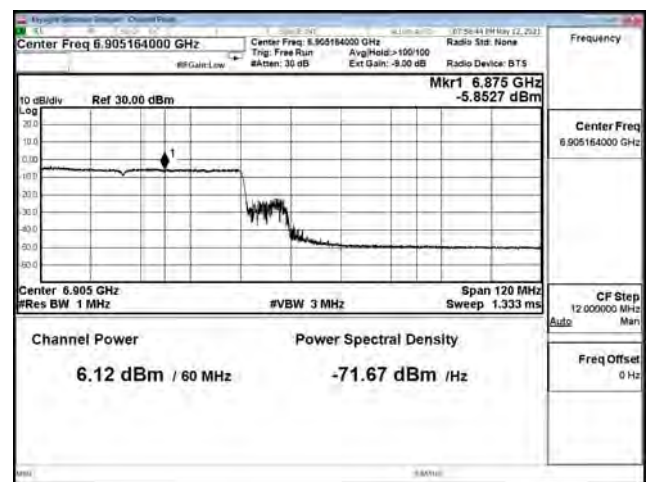
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-7)



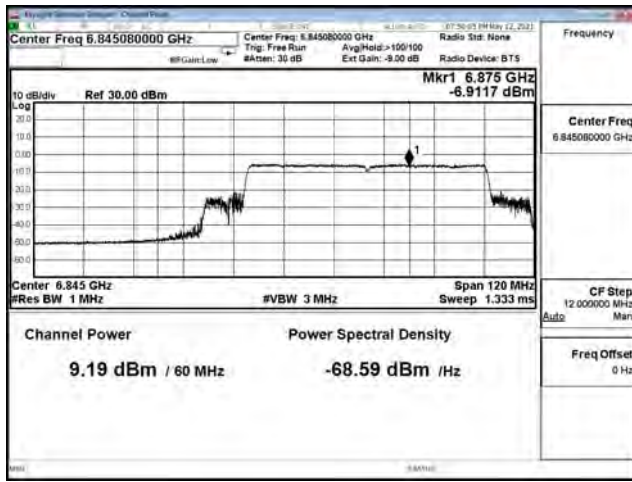
802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-8)



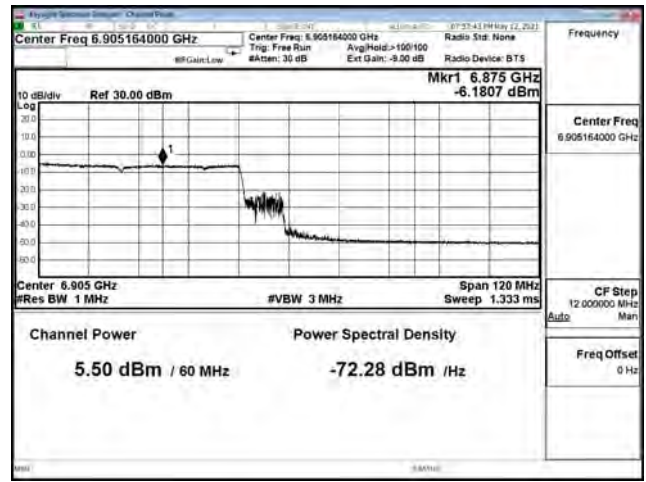


Spectrum plot value of power

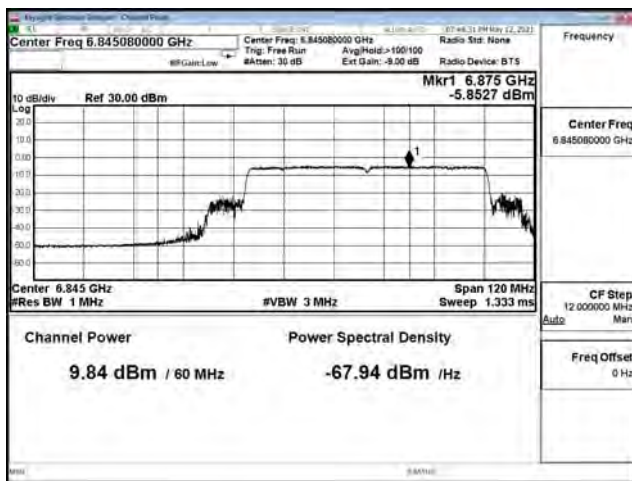
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-7)



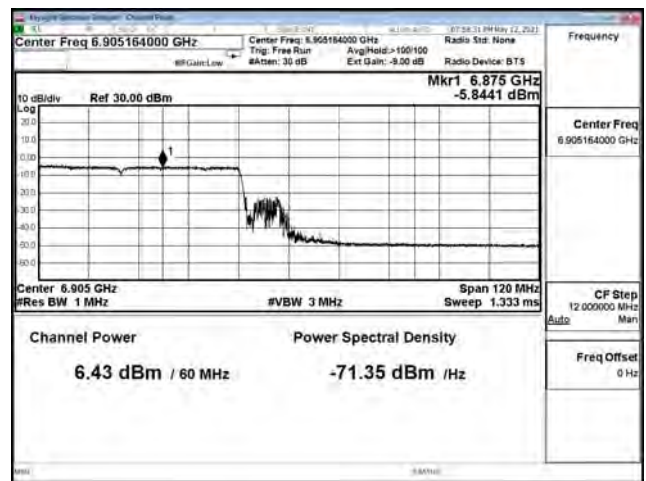
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-8)



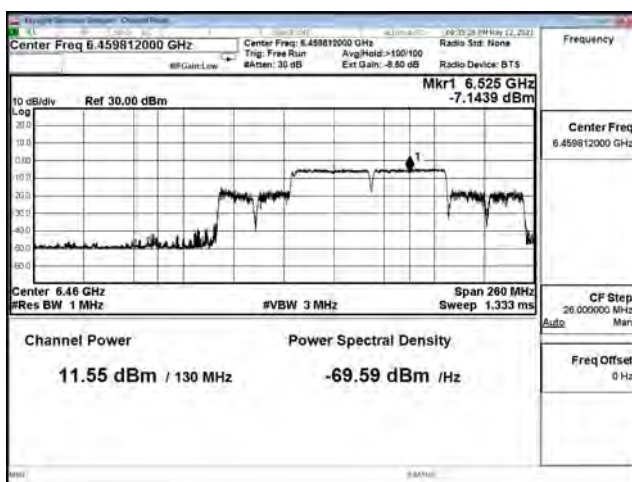
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-7)



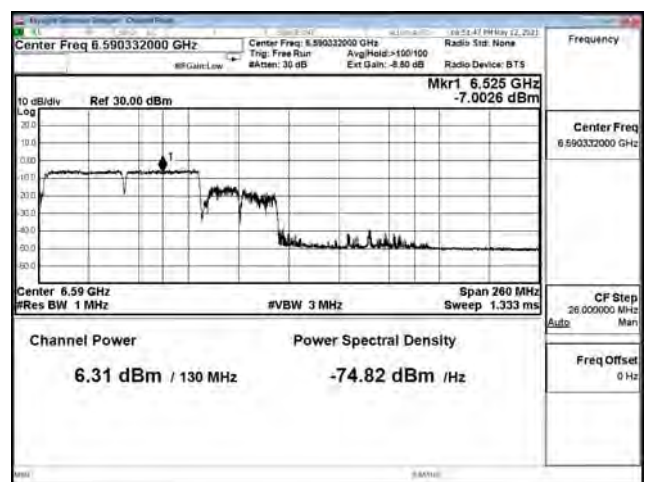
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-7)

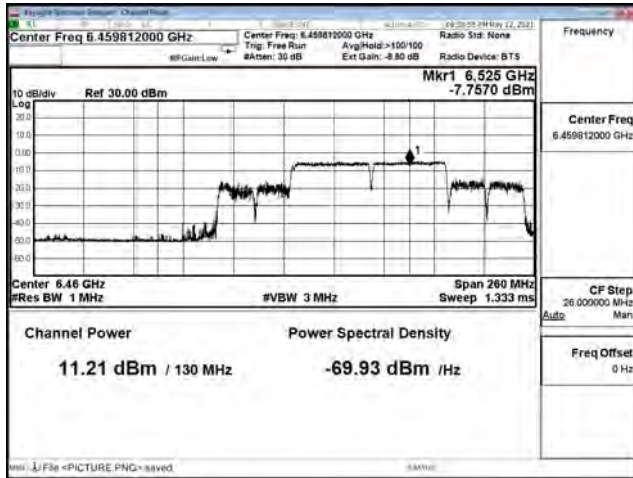


802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-8)

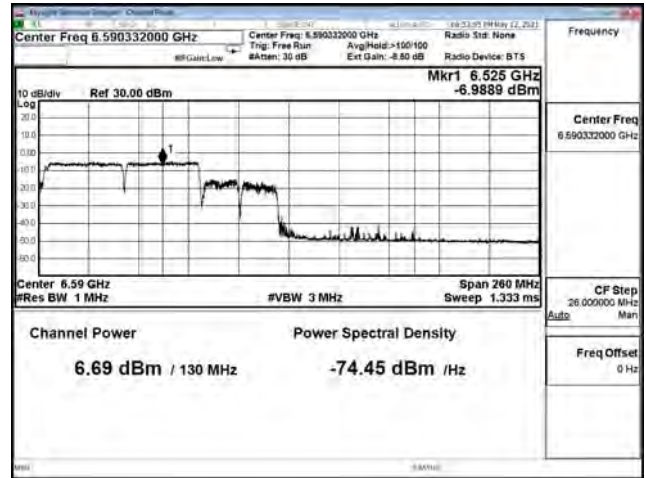


Spectrum plot value of power

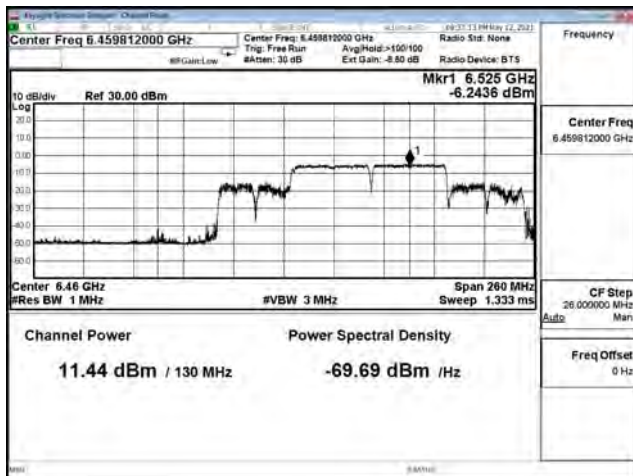
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-7)



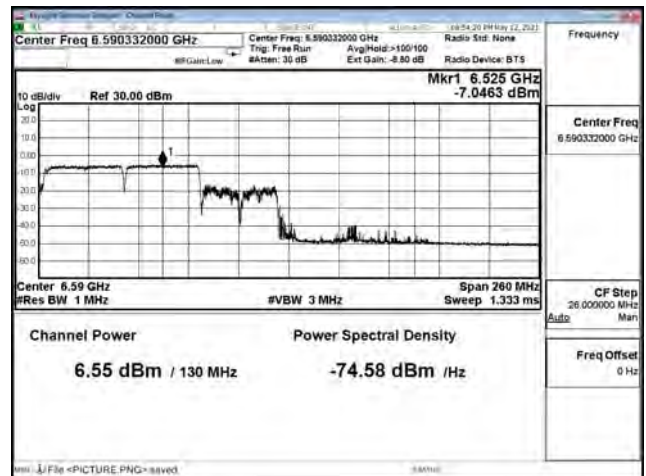
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-8)



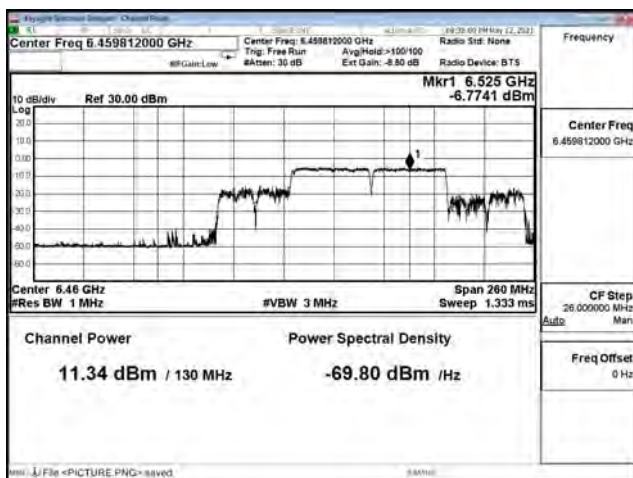
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-7)



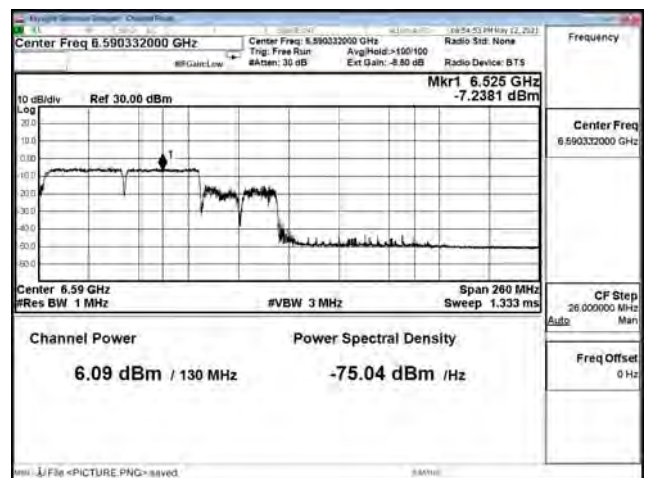
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-7)



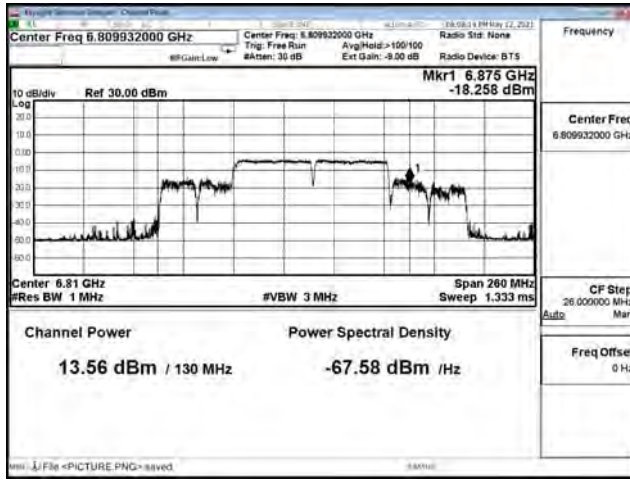
802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-8)



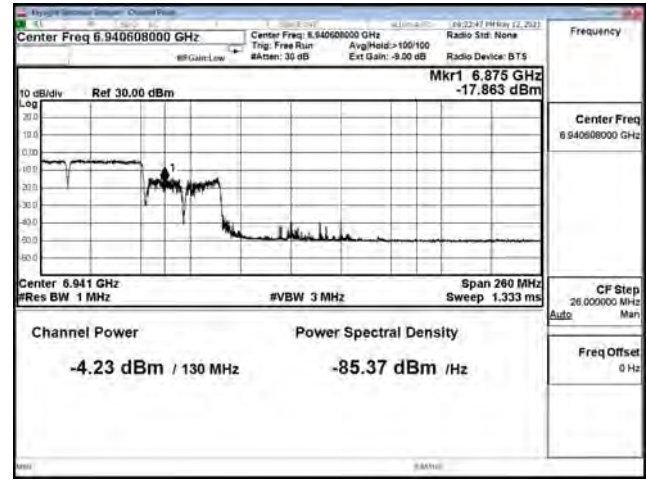


Spectrum plot value of power

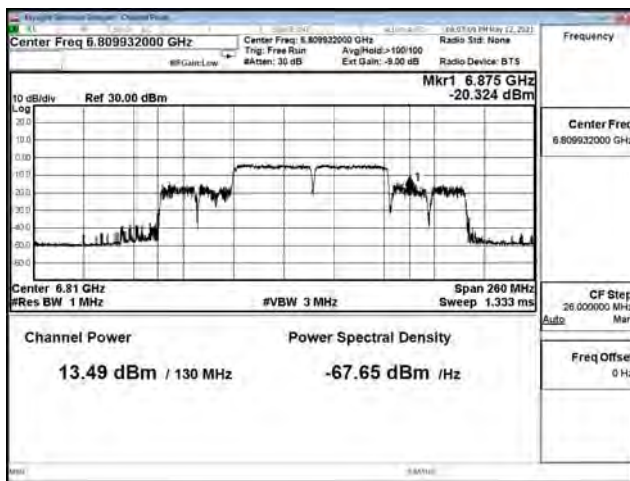
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-7)



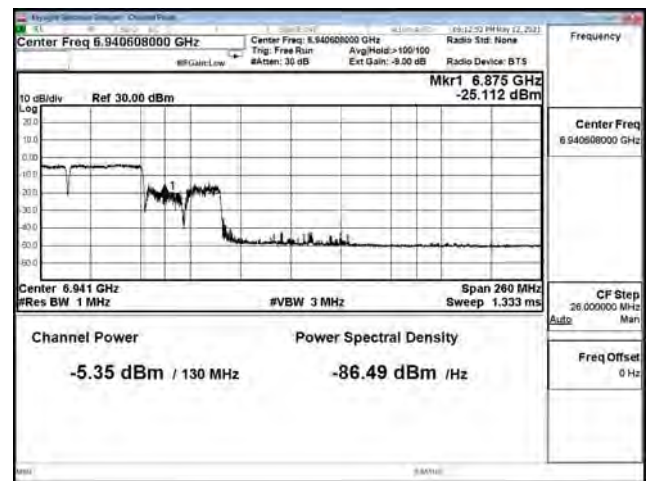
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-8)



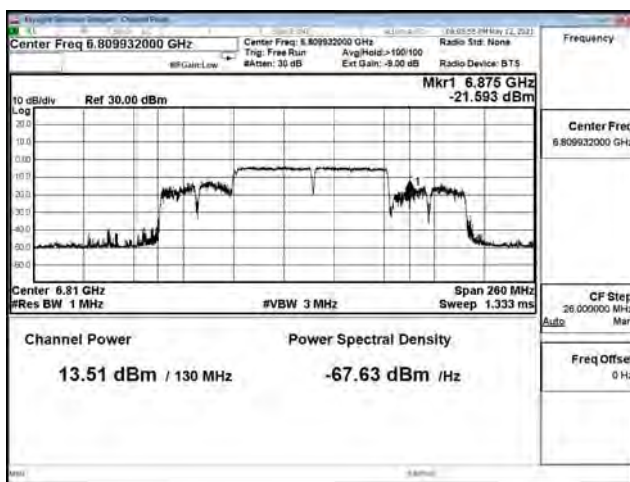
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-7)



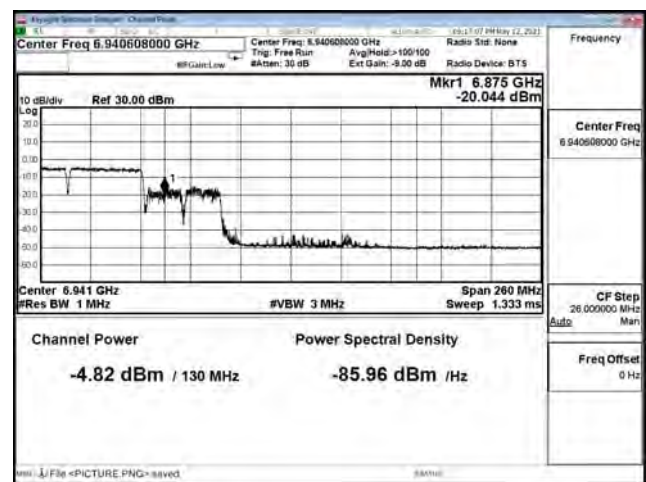
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-7)



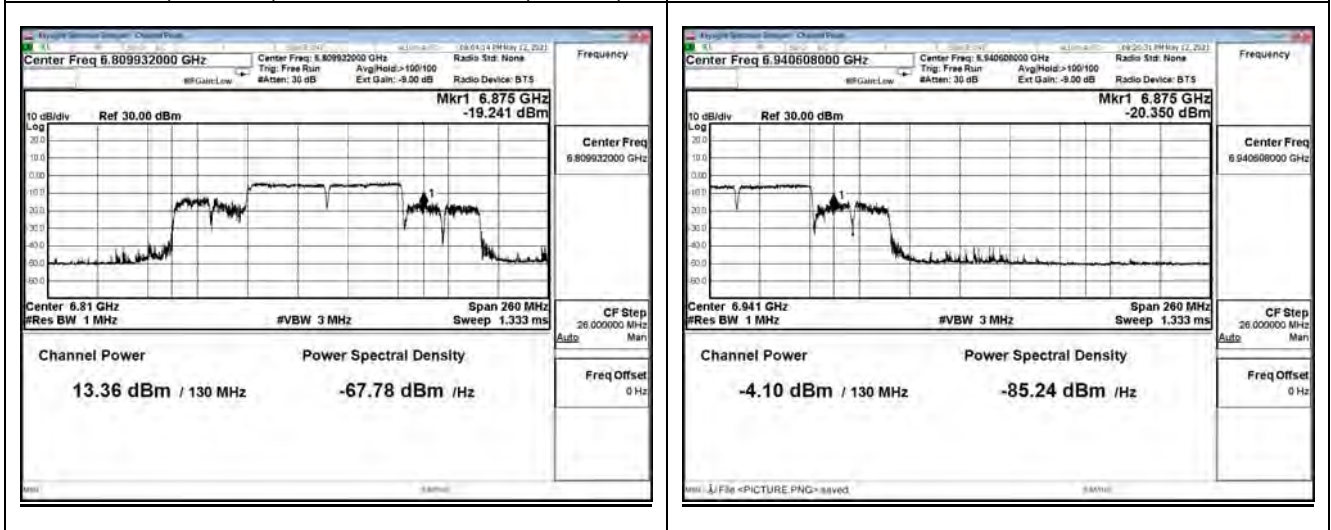
802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-8)



**Spectrum plot value of power**

802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-7)

802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-8)



Non-beamforming mode for RU-Edge

802.11ax (20 MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
33	6115	4.380	4.270	4.260	4.750	10.440	N/A	13.500	30.00	Pass
61	6255	4.070	4.340	3.830	4.140	10.119		13.179	30.00	Pass
93	6415	3.940	4.410	3.930	4.240	10.155		13.215	30.00	Pass
97	6435	5.420	5.880	5.510	5.850	11.690		13.910	30.00	Pass
105	6475	5.110	5.780	5.520	5.660	11.545		13.765	30.00	Pass
113	6515	5.540	5.710	5.600	5.330	11.568		13.788	30.00	Pass
117	6535	5.650	5.790	5.580	5.450	11.640		12.660	30.00	Pass
149	6695	5.250	5.440	5.210	5.380	11.342		12.362	30.00	Pass
181	6855	5.790	6.610	5.750	6.340	12.159		13.179	30.00	Pass
185_L	6875	1.320	1.940	0.720	1.780	7.486		0.84	9.346	30.00
185_R	6875	1.130	1.880	0.800	1.800	7.447	0.84	10.307	30.00	Pass
189	6895	5.480	5.860	5.250	5.640	11.584	N/A	13.604	30.00	Pass
209	6995	5.670	5.770	5.620	5.840	11.746		13.766	30.00	Pass
229	7095	5.720	5.950	5.860	5.760	11.844		13.864	30.00	Pass

Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (40MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
35	6125	6.600	6.330	6.260	6.740	12.508	N/A	15.568	30.00	Pass
59	6245	5.760	5.960	5.380	5.620	11.706		14.766	30.00	Pass
91	6405	6.020	6.240	5.830	6.150	12.083		15.143	30.00	Pass
99	6445	7.400	7.730	7.690	7.750	13.665		15.885	30.00	Pass
107	6485	7.610	7.810	7.730	7.560	13.699		15.919	30.00	Pass
115_L	6525	3.090	2.930	3.330	2.480	8.989	0.53	11.739	30.00	Pass
115_R	6525	3.060	2.620	3.470	2.610	8.975	0.53	10.525	30.00	Pass
123	6565	8.180	8.050	8.290	7.850	14.116	N/A	15.136	30.00	Pass
155	6725	7.990	7.680	7.800	7.580	13.786		14.806	30.00	Pass
179	6845	8.180	8.520	8.130	8.000	14.232		15.252	30.00	Pass
187_L	6885	2.710	3.060	2.510	3.240	8.910	0.53	10.460	30.00	Pass
187_R	6885	4.100	4.070	3.730	3.920	9.978	0.53	12.528	30.00	Pass
195	6925	7.850	8.030	8.030	7.750	13.937	N/A	15.957	30.00	Pass
211	7005	7.830	7.870	7.990	7.860	13.909		15.929	30.00	Pass
227	7085	7.790	7.730	8.380	7.400	13.860		15.880	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (80MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
39	6145	11.680	11.850	11.530	11.450	17.651	N/A	20.711	30.00	Pass
55	6225	11.830	11.870	11.680	11.920	17.847		20.907	30.00	Pass
87	6385	11.820	11.800	11.660	11.870	17.809		20.869	30.00	Pass
103	6465	13.470	13.690	13.680	13.620	19.636		21.856	30.00	Pass
119_L	6545	6.990	5.940	6.670	6.480	12.557	1.02	15.797	30.00	Pass
119_R	6545	7.050	7.250	7.370	8.170	13.502	1.02	15.542	30.00	Pass
135	6625	14.030	13.850	13.600	13.740	19.828	N/A	20.848	30.00	Pass
151	6705	13.740	13.750	13.720	13.930	19.806		20.826	30.00	Pass
167	6785	14.040	13.870	14.180	13.860	20.010		21.030	30.00	Pass
183_L	6865	8.300	7.960	8.260	7.250	13.983	1.02	16.023	30.00	Pass
183_R	6865	7.350	7.720	6.840	7.370	13.352	1.02	16.392	30.00	Pass
199	6945	13.700	13.730	13.630	13.610	19.688	N/A	21.708	30.00	Pass
215	7025	14.240	14.040	14.250	14.100	20.179		22.199	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (160MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
47	6185	15.970	16.060	16.040	16.500	22.168	N/A	25.228	30.00	Pass
79	6345	16.340	16.370	16.230	16.330	22.338		25.398	30.00	Pass
111_L	6505	7.990	7.900	7.760	7.690	13.857	3.55	19.627	30.00	Pass
111_R	6505	7.990	7.480	7.430	7.750	13.689	3.55	18.259	30.00	Pass
143	6665	18.190	17.900	17.830	17.860	23.968	N/A	24.988	30.00	Pass
175_L	6825	9.540	9.150	9.030	9.740	15.395	3.55	19.965	30.00	Pass
175_R	6825	7.220	6.280	6.060	6.910	12.663	3.55	18.233	30.00	Pass
207	6985	18.150	18.300	18.140	18.090	24.191	N/A	26.211	30.00	Pass

## Note:

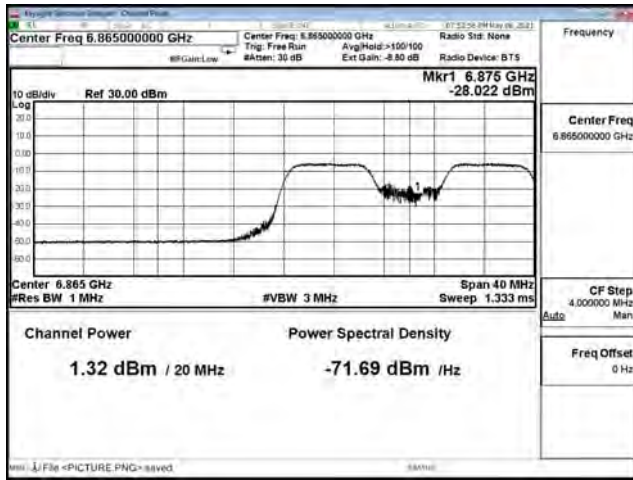
1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.



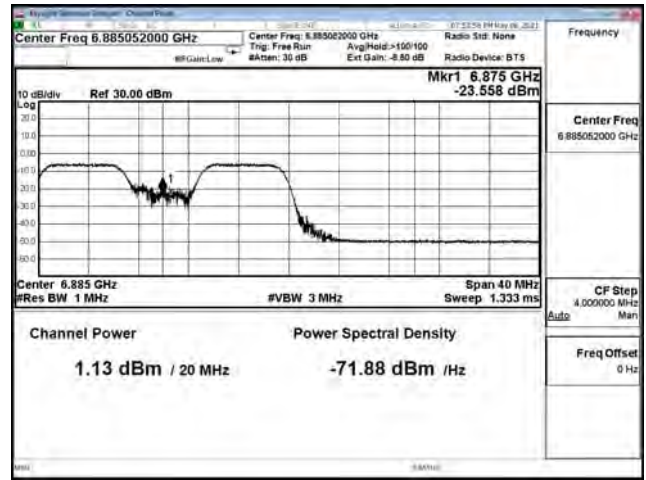
**For Straddle Channels of power**

**Spectrum plot value of power**

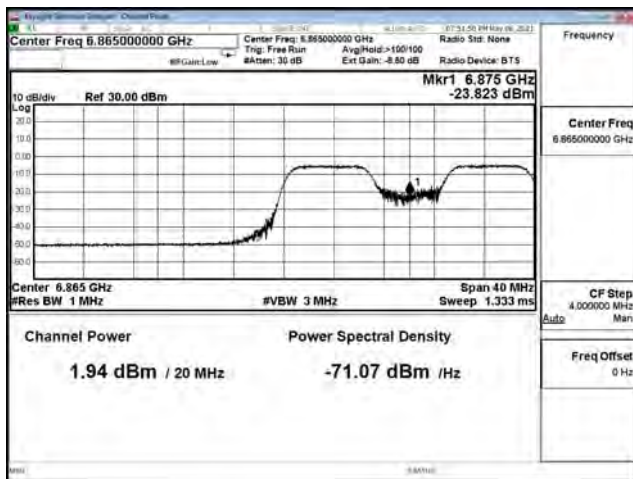
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-7)



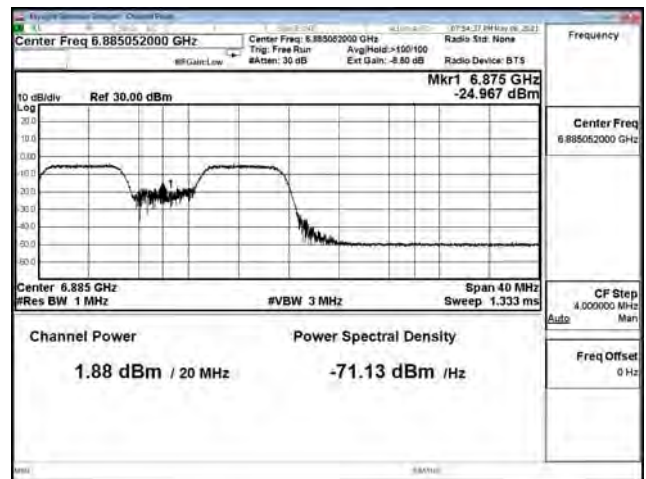
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-8)



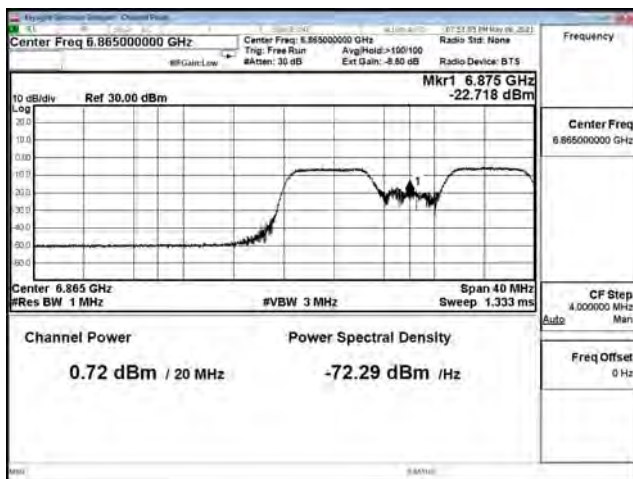
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-7)



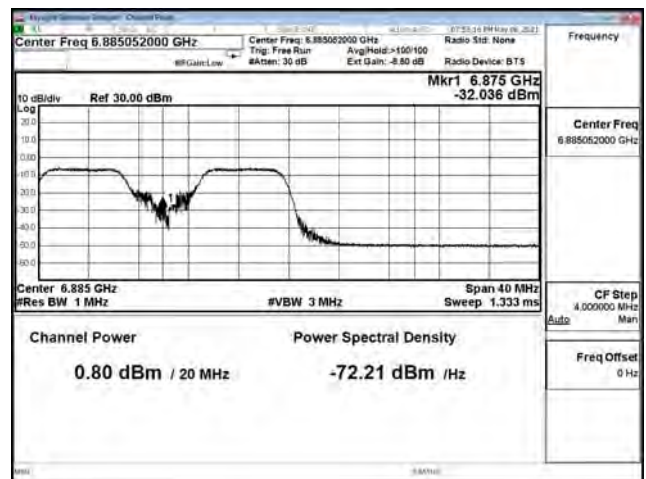
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-7)



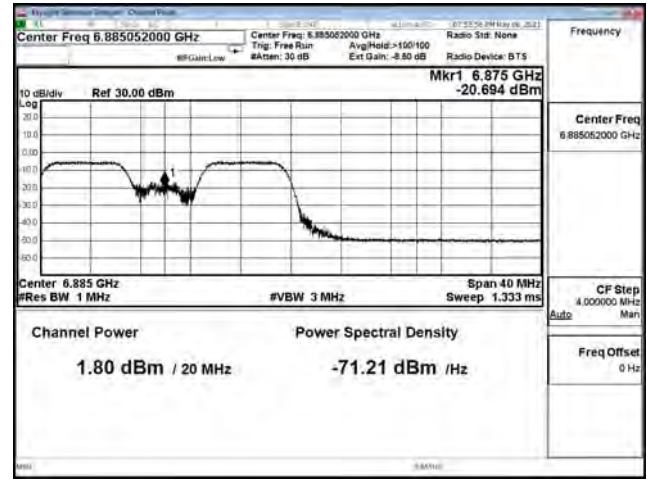
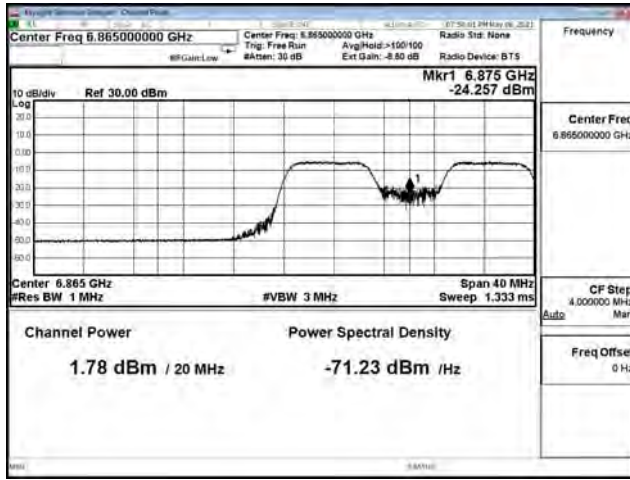
802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-8)



**Spectrum plot value of power**

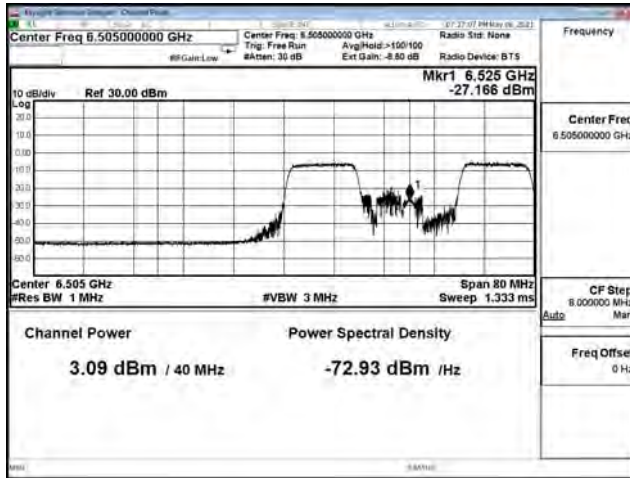
802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-7)

802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-8)

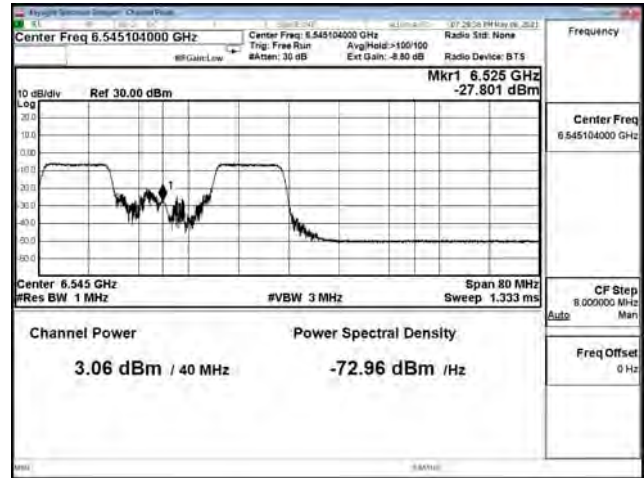


**Spectrum plot value of power**

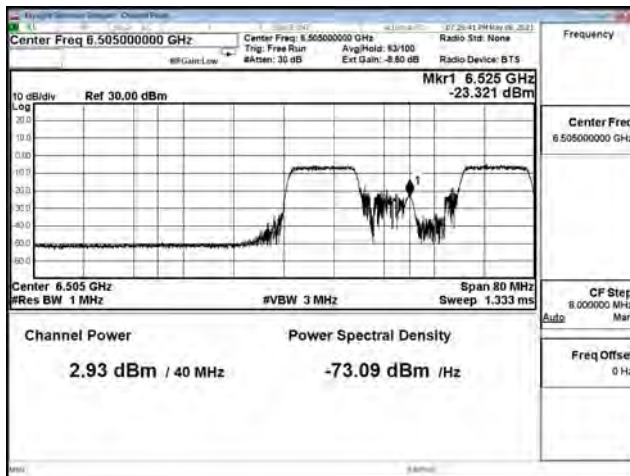
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-7)



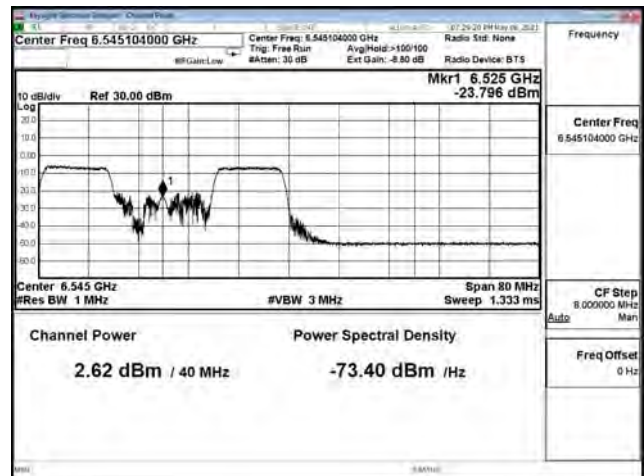
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-8)



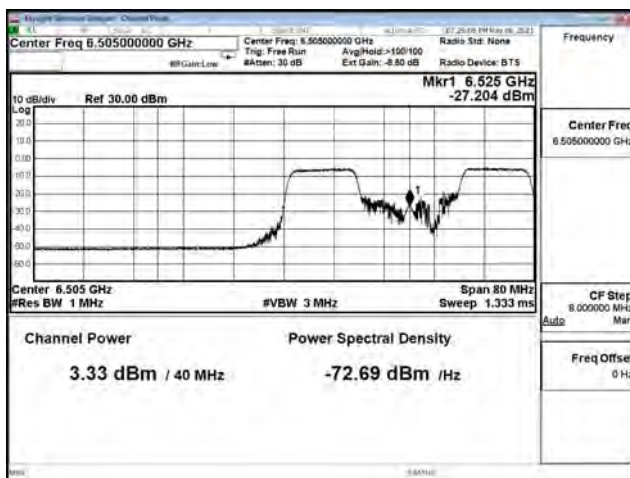
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-7)



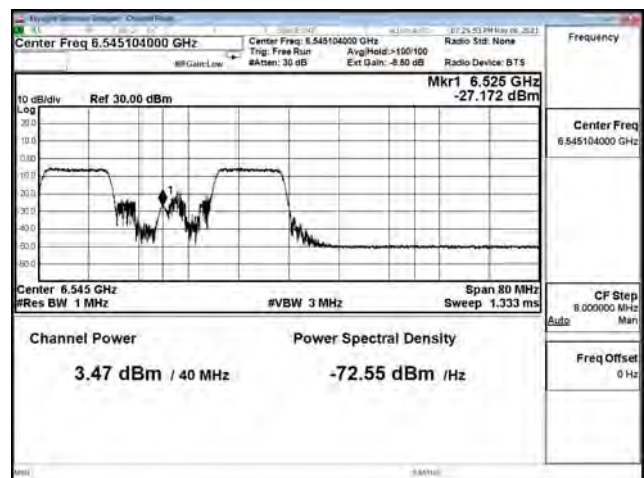
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-7)



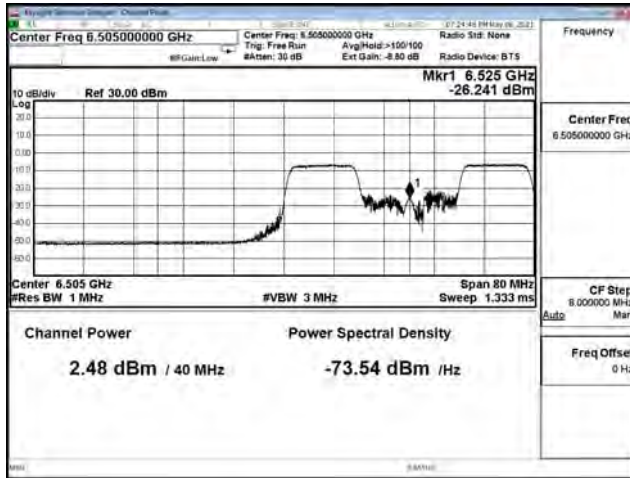
802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-8)



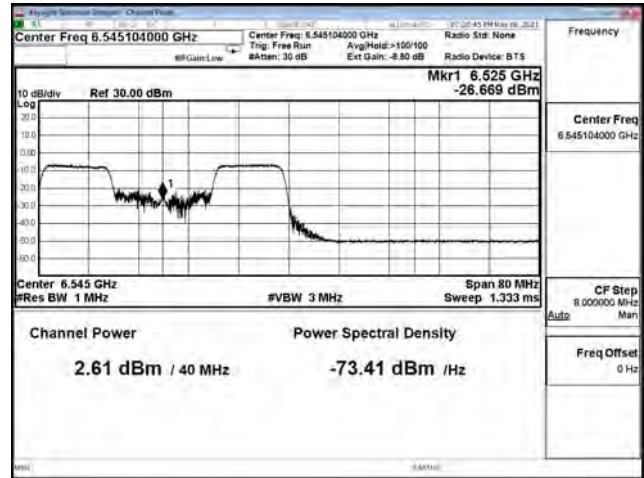


**Spectrum plot value of power**

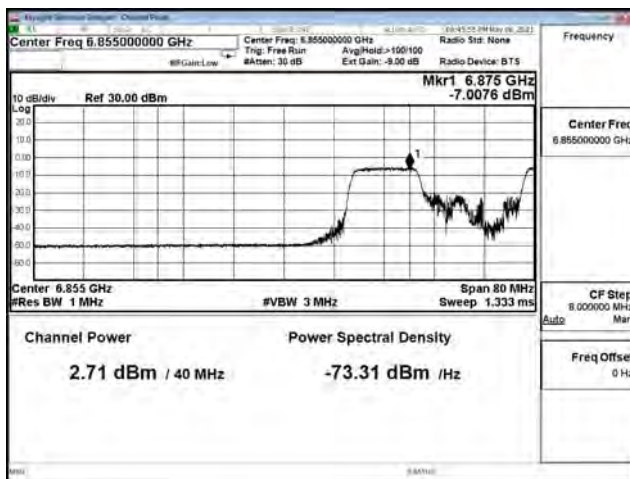
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-7)



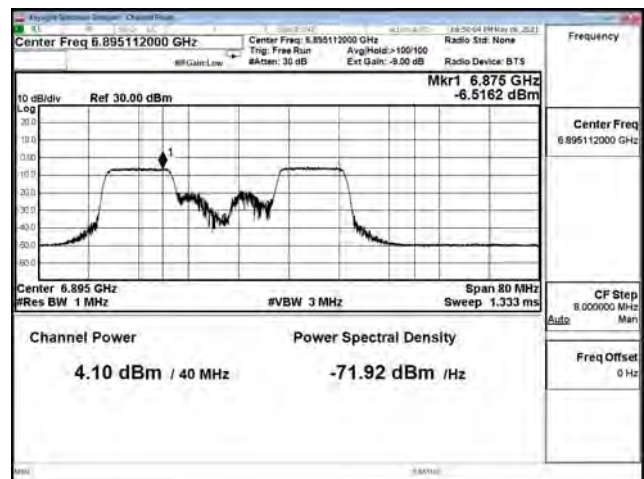
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-8)



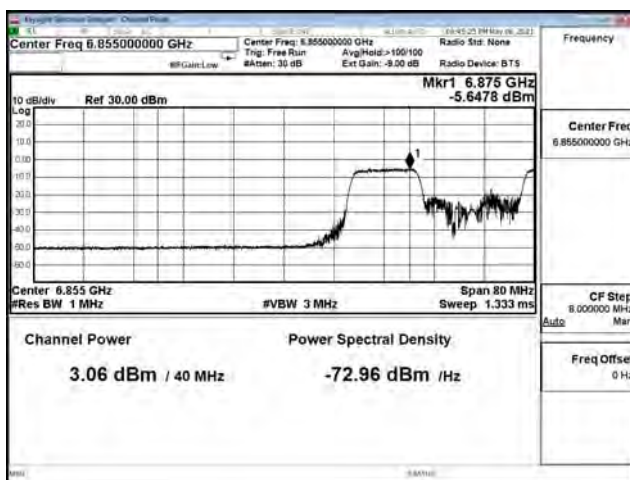
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-7)



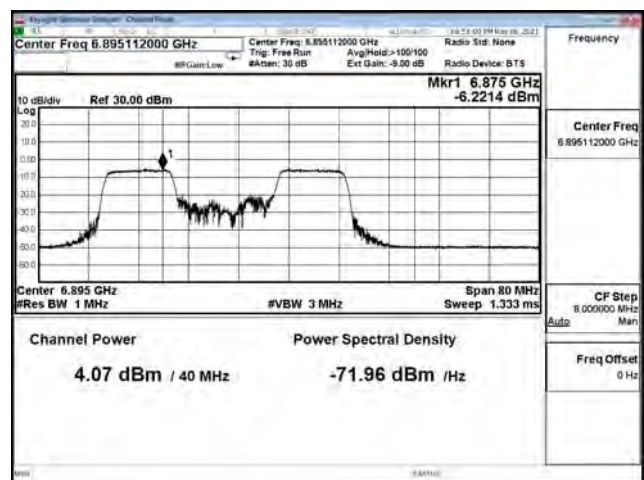
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-7)

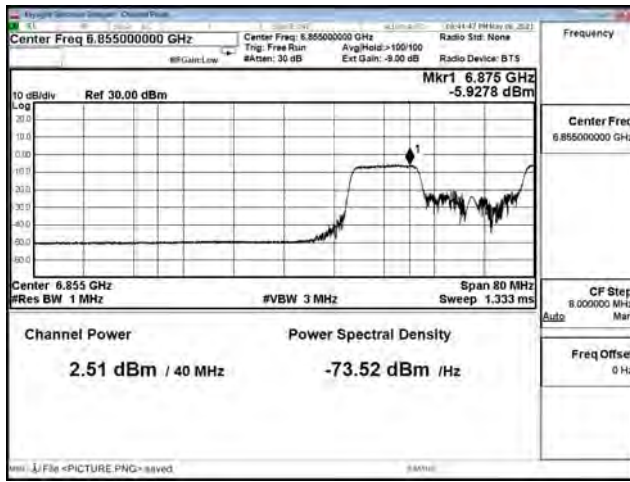


802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-8)

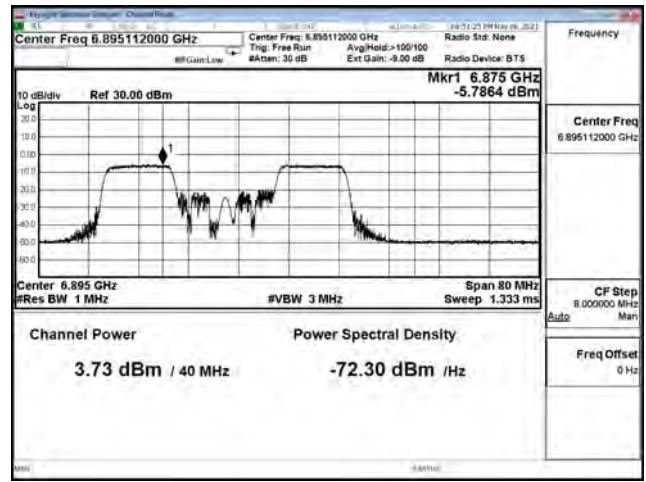


**Spectrum plot value of power**

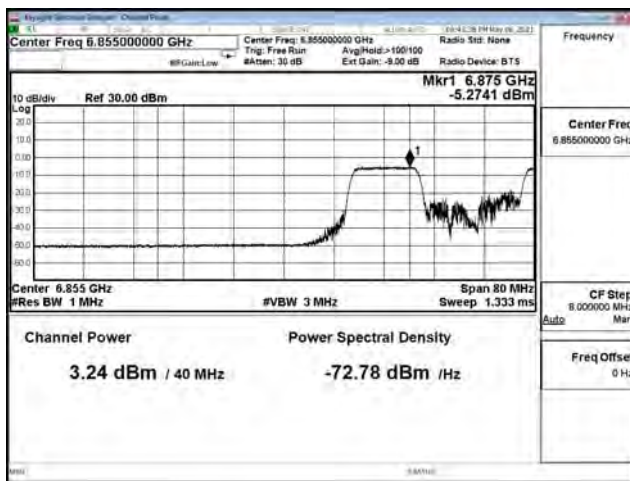
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-7)



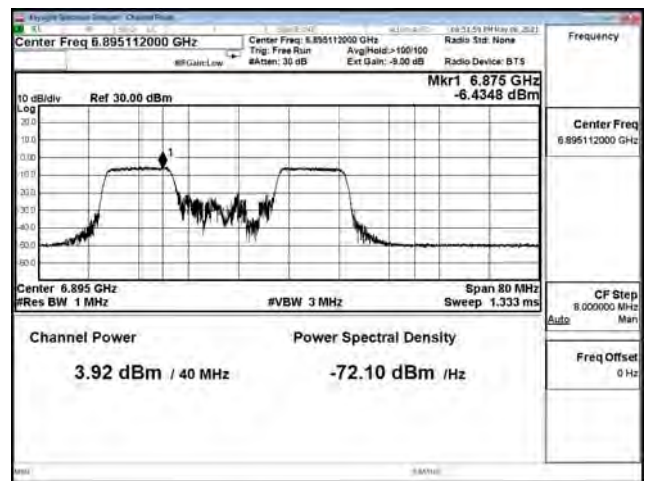
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-7)

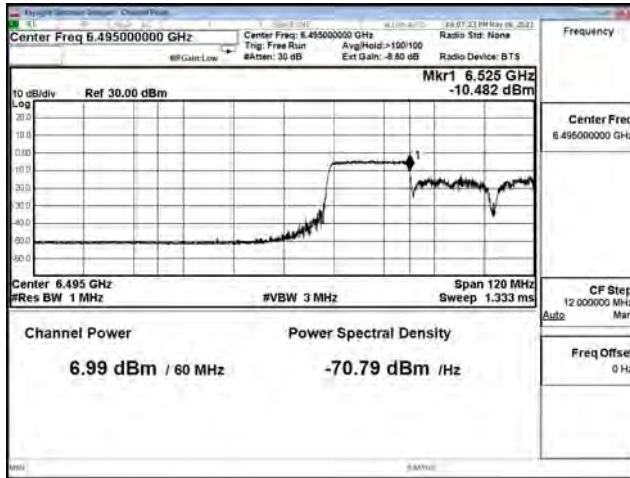


802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-8)

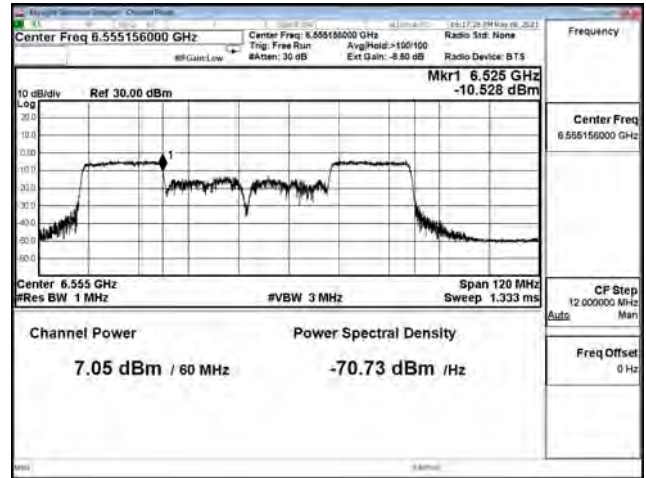


Spectrum plot value of power

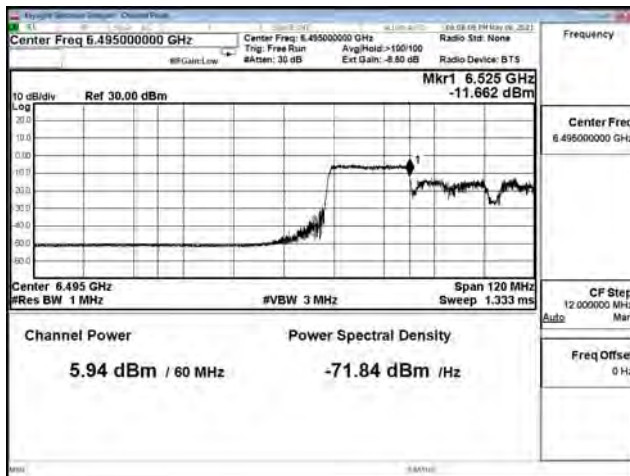
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-7)



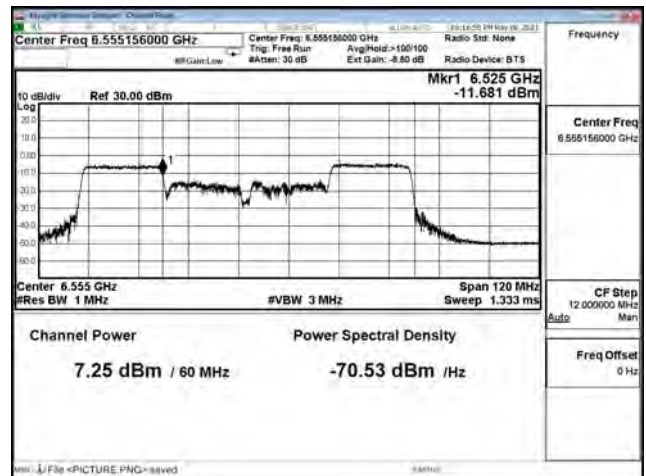
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-8)



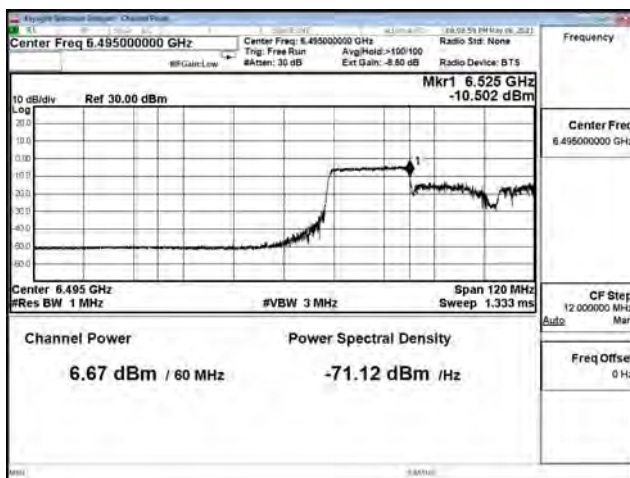
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-7)



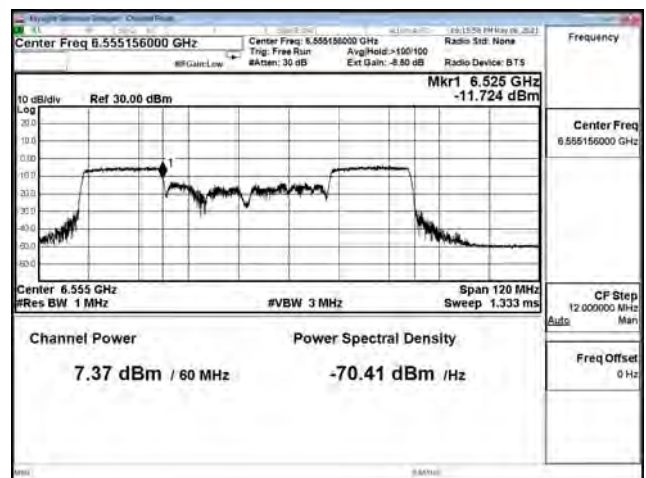
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-7)



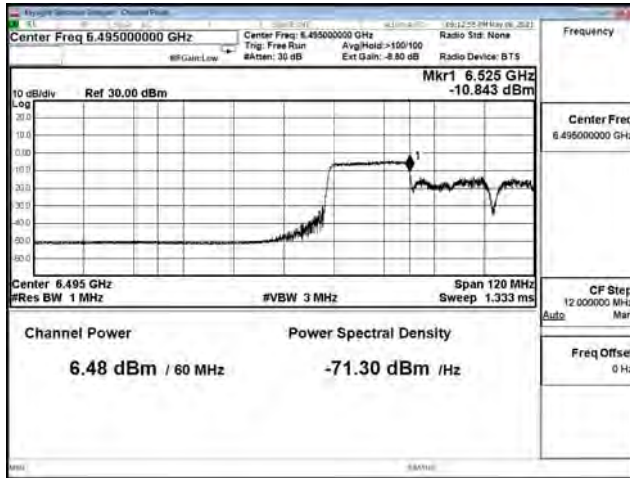
802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-8)



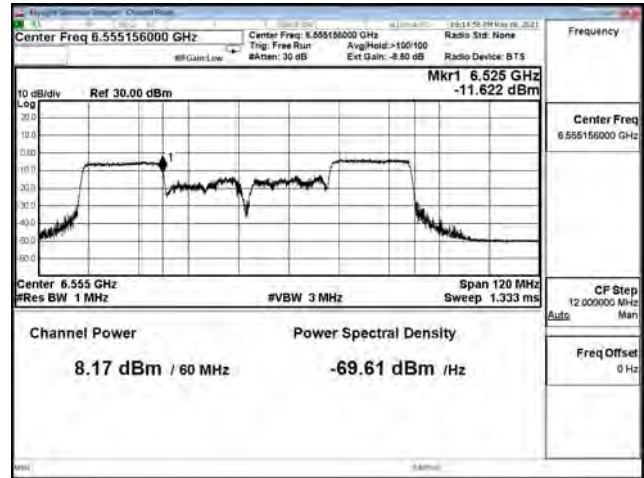


**Spectrum plot value of power**

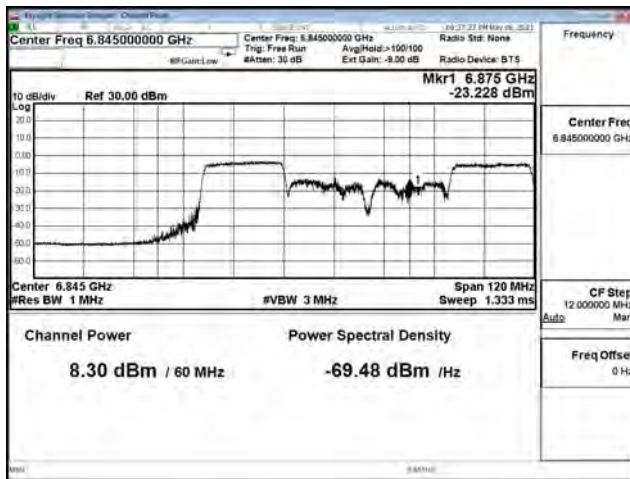
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-7)



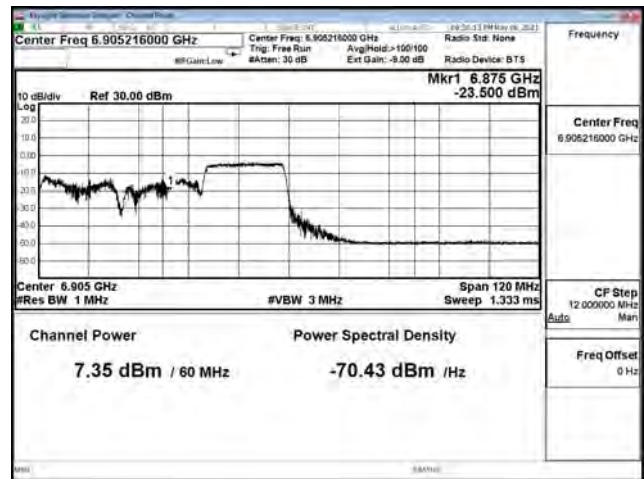
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-8)



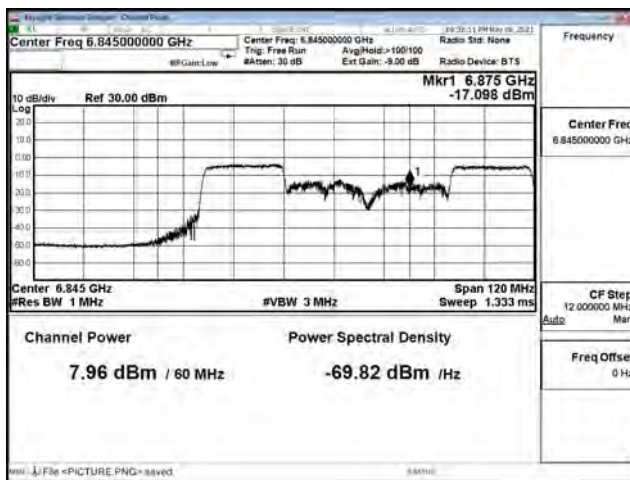
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-7)



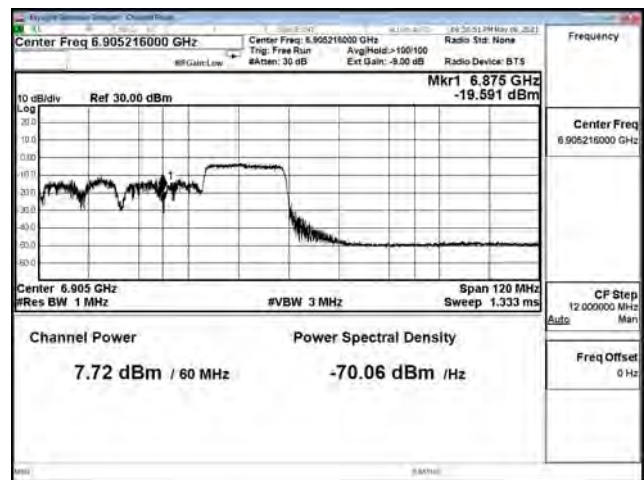
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-7)

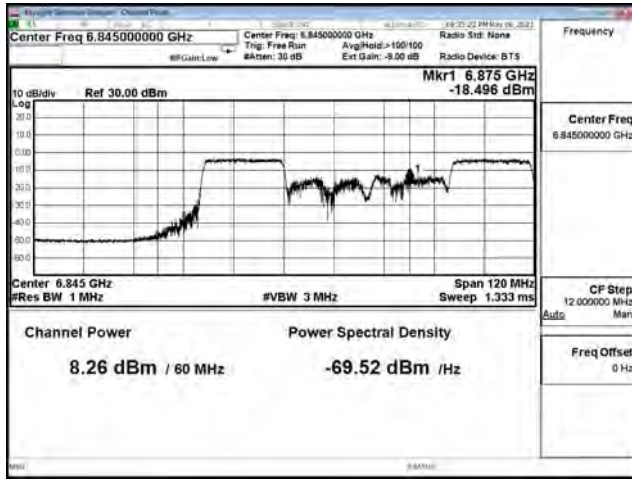


802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-8)

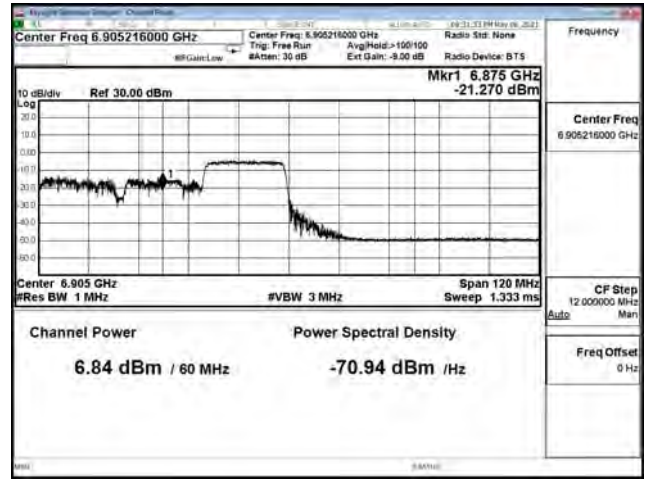


Spectrum plot value of power

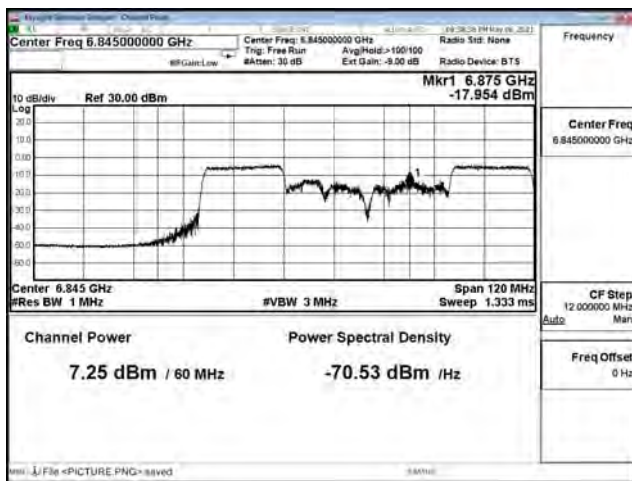
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-7)



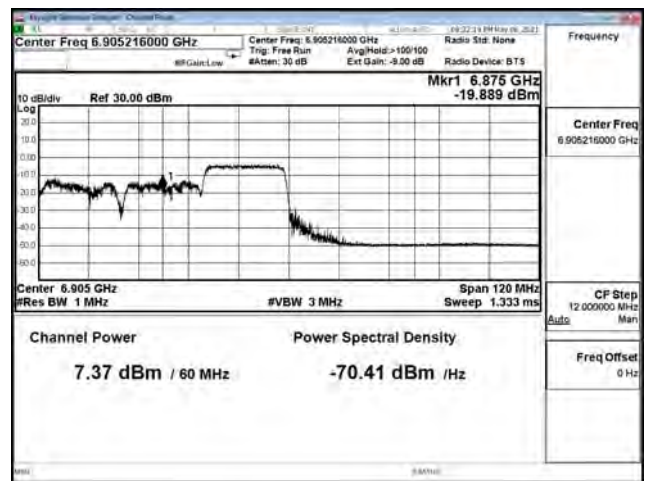
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-8)



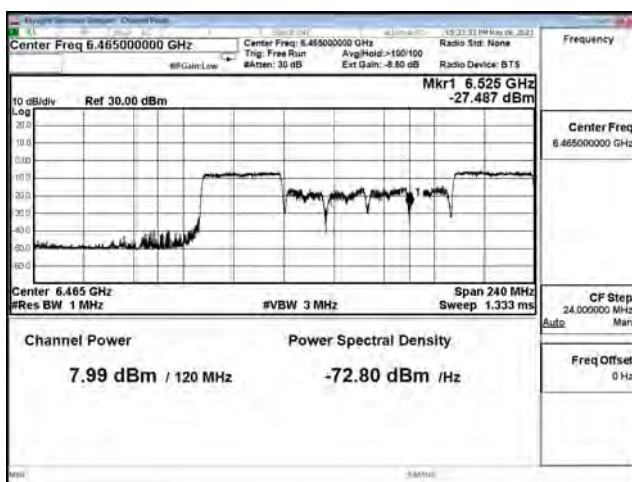
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-7)



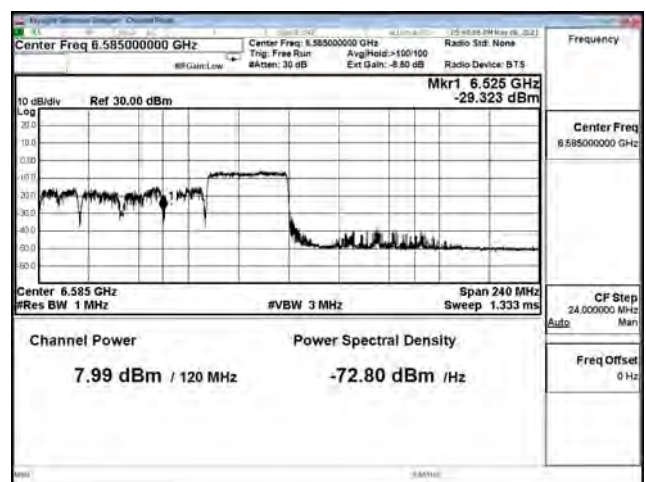
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-7)



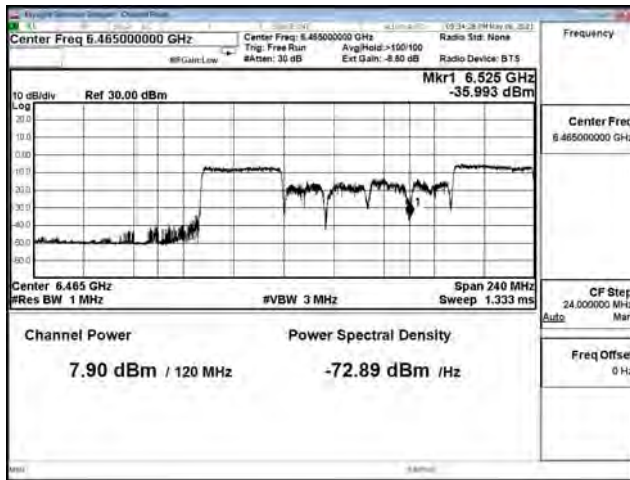
802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-8)



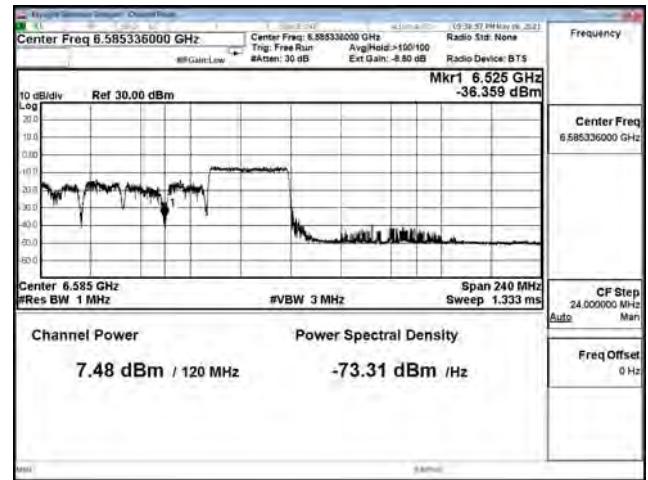


**Spectrum plot value of power**

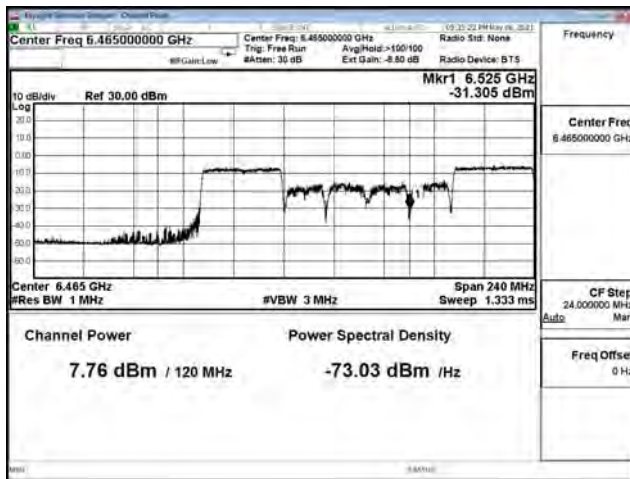
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-7)



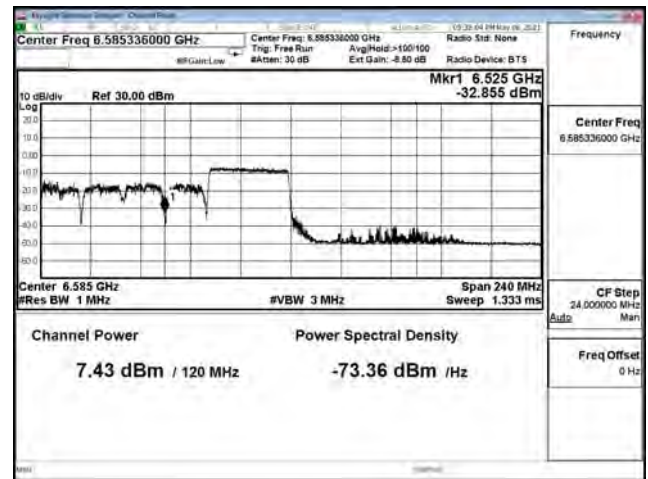
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-8)



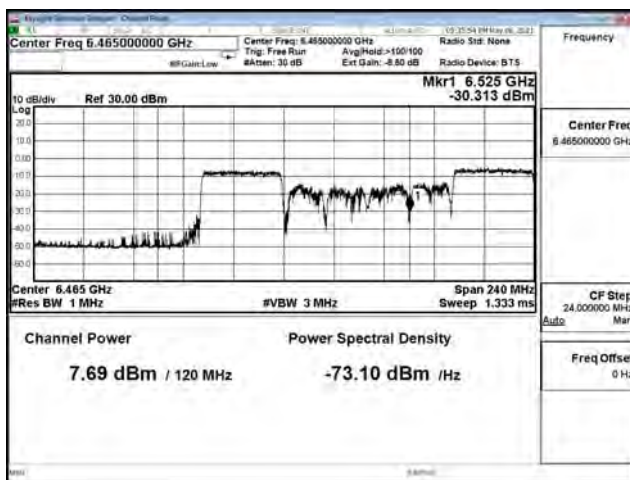
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-7)



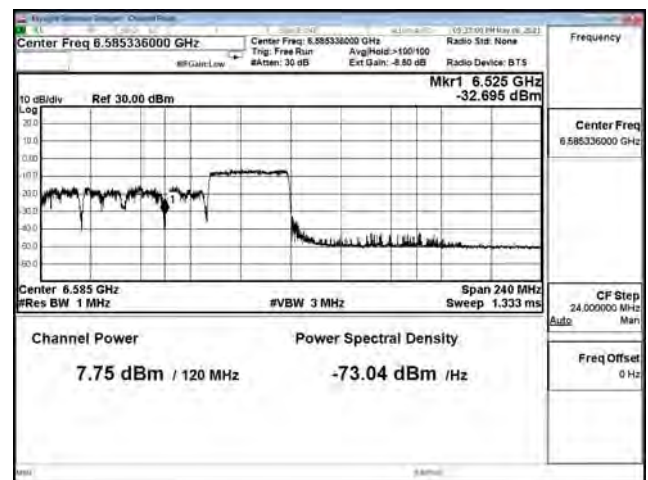
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-7)

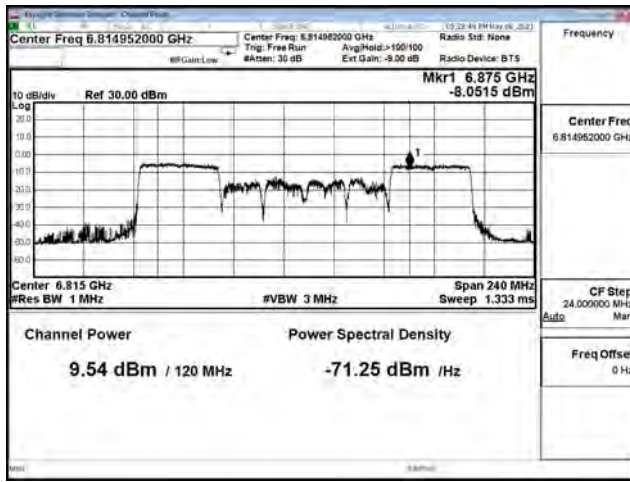


802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-8)

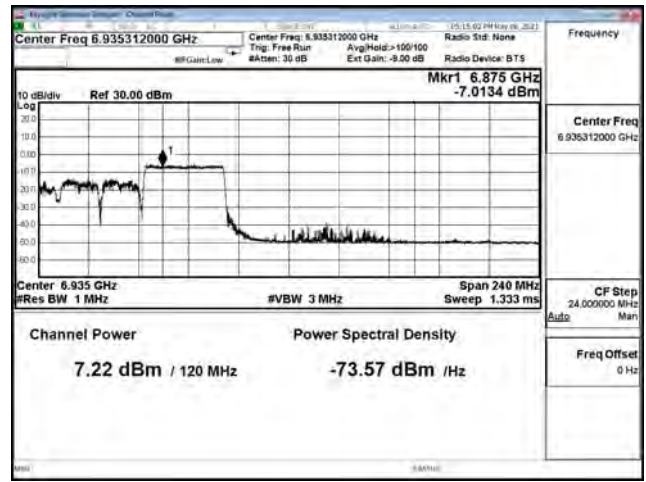


**Spectrum plot value of power**

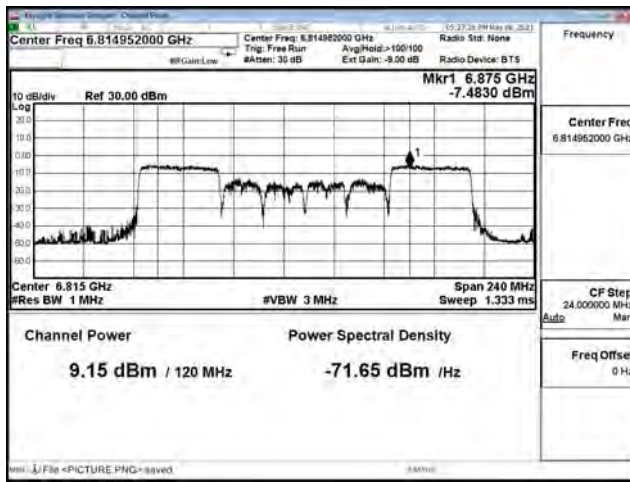
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-7)



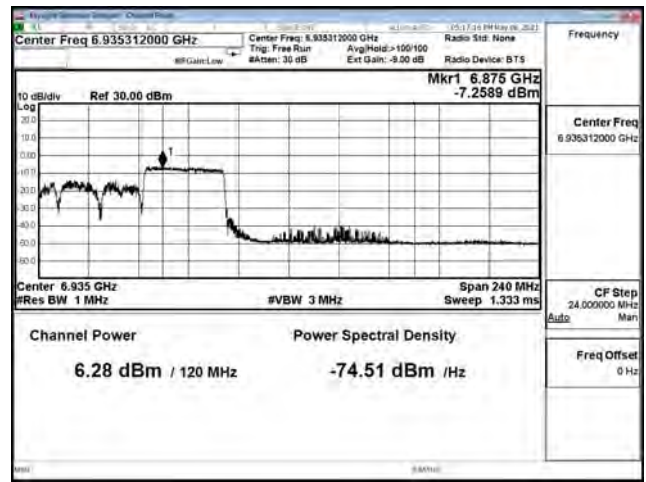
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-8)



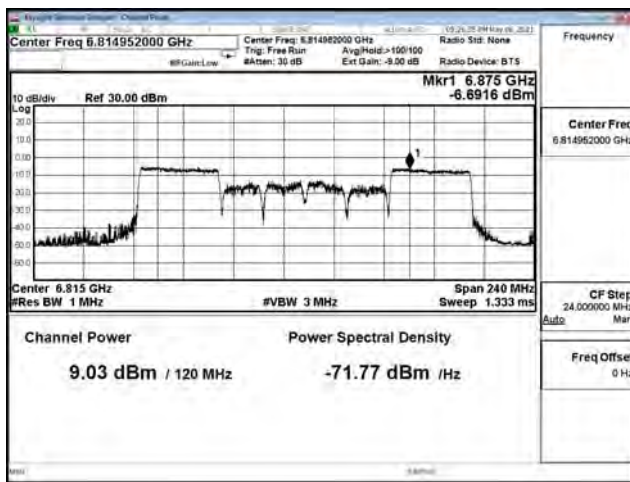
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-7)



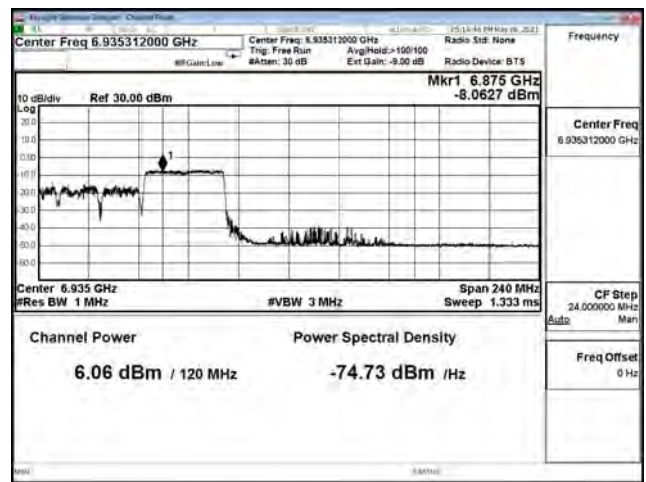
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-7)



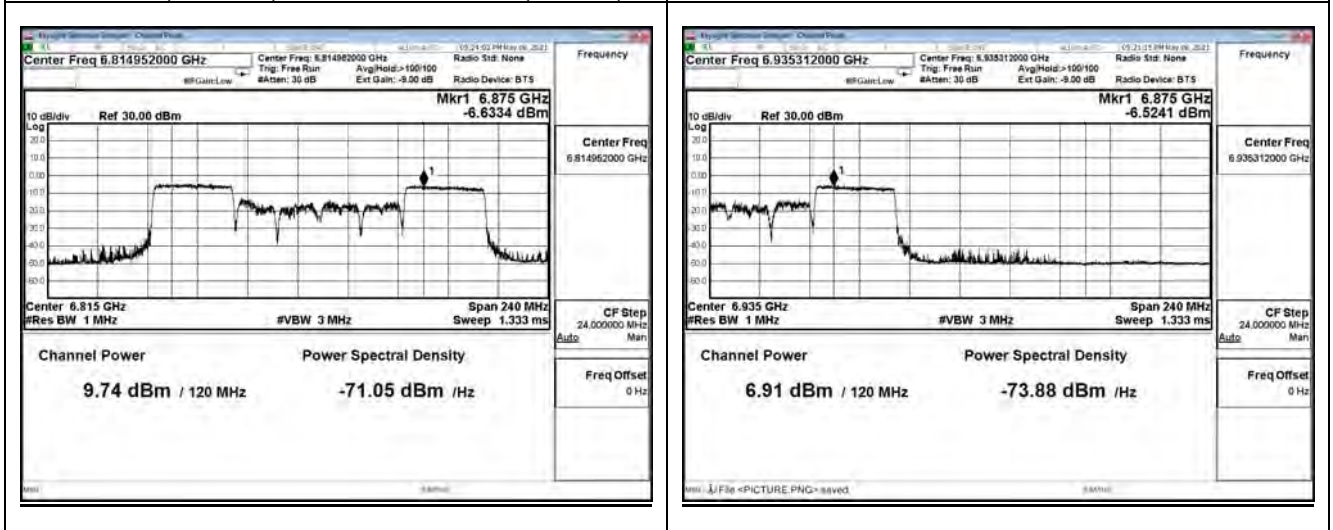
802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-8)



**Spectrum plot value of power**

802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-7)

802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-8)





Beamforming mode

802.11ax (20 MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
33	6115	5.630	5.230	5.370	5.750	11.520	N/A	17.260	30.00	Pass
61	6255	5.010	5.160	4.640	5.020	10.982		16.722	30.00	Pass
93	6415	5.460	5.710	5.560	5.890	11.679		17.419	30.00	Pass
97	6435	6.640	7.040	6.650	6.880	12.826		17.406	30.00	Pass
105	6475	6.800	7.520	7.180	7.330	13.236		17.816	30.00	Pass
113	6515	7.070	7.230	7.110	6.900	13.100		17.680	30.00	Pass
117	6535	7.670	7.890	7.580	7.430	13.666		17.486	30.00	Pass
149	6695	6.970	6.970	6.800	7.180	13.003		16.823	30.00	Pass
181	6855	7.360	7.950	7.350	7.910	13.673		17.493	30.00	Pass
185_L	6875	2.820	3.460	2.710	3.490	9.155		0.45	13.425	30.00
185_R	6875	3.140	3.310	2.450	3.660	9.182	0.45	13.742	30.00	Pass
189	6895	7.580	7.730	7.410	7.680	13.622	N/A	17.732	30.00	Pass
209	6995	7.250	7.170	7.220	7.240	13.241		17.351	30.00	Pass
229	7095	7.260	7.450	7.320	7.020	13.286		17.396	30.00	Pass

Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (40MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
35	6125	9.150	9.070	9.070	8.600	14.998	N/A	20.738	30.00	Pass
59	6245	9.200	9.180	8.840	8.490	14.958		20.698	30.00	Pass
91	6405	8.900	8.990	8.730	8.710	14.855		20.595	30.00	Pass
99	6445	10.250	10.600	10.370	10.280	16.398		20.978	30.00	Pass
107	6485	10.100	10.550	10.440	10.050	16.311		20.891	30.00	Pass
115_L	6525	5.830	5.570	6.210	5.190	11.737	0.32	16.637	30.00	Pass
115_R	6525	5.850	5.560	6.020	5.060	11.658	0.32	15.798	30.00	Pass
123	6565	11.300	11.330	11.200	11.150	17.266	N/A	21.086	30.00	Pass
155	6725	10.300	9.910	10.030	10.070	16.100		19.920	30.00	Pass
179	6845	11.020	11.030	10.900	10.940	16.993		20.813	30.00	Pass
187_L	6885	2.460	2.530	2.160	2.610	8.464	0.32	12.604	30.00	Pass
187_R	6885	8.080	7.850	7.510	8.130	13.920	0.32	18.350	30.00	Pass
195	6925	11.140	11.020	10.850	10.880	16.995	N/A	21.105	30.00	Pass
211	7005	10.720	10.450	10.390	10.460	16.527		20.637	30.00	Pass
227	7085	10.560	10.310	10.660	10.020	16.415		20.525	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (80MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
39	6145	11.860	11.840	11.720	11.450	17.741	N/A	23.481	30.00	Pass
55	6225	11.560	11.650	11.440	11.380	17.529		23.269	30.00	Pass
87	6385	11.570	11.550	11.330	11.460	17.499		23.239	30.00	Pass
103	6465	12.770	12.850	12.950	12.910	18.891		23.471	30.00	Pass
119_L	6545	5.800	5.290	5.820	5.110	11.537	0.30	16.417	30.00	Pass
119_R	6545	11.280	11.340	11.390	11.320	17.353	0.30	21.473	30.00	Pass
135	6625	13.840	13.270	13.430	13.470	19.528	N/A	23.348	30.00	Pass
151	6705	12.960	12.850	12.980	13.120	18.999		22.819	30.00	Pass
167	6785	13.200	13.100	13.250	13.260	19.224		23.044	30.00	Pass
183_L	6865	9.950	9.890	9.860	10.140	15.982	0.30	20.102	30.00	Pass
183_R	6865	7.100	7.090	6.670	7.190	13.038	0.30	17.448	30.00	Pass
199	6945	13.520	13.570	13.150	13.450	19.446	N/A	23.556	30.00	Pass
215	7025	12.950	12.800	12.870	12.700	18.852		22.962	30.00	Pass

## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

## 802.11ax (160MHz)

Channel	Frequency (MHz)	Average Power (dBm)					Duty Factor (dB)	EIRP (dBm)	Limit (dBm)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total				
47	6185	13.950	13.830	13.710	13.940	19.879	N/A	25.619	30.00	Pass
79	6345	13.630	13.780	13.590	13.840	19.732		25.472	30.00	Pass
111_L	6505	12.470	12.400	12.710	12.360	18.508	0.29	23.378	30.00	Pass
111_R	6505	9.760	10.030	9.890	9.800	15.892	0.29	20.002	30.00	Pass
143	6665	15.880	15.640	15.840	15.800	21.812	N/A	25.632	30.00	Pass
175_L	6825	14.020	13.910	13.950	13.760	19.932	0.29	24.042	30.00	Pass
175_R	6825	5.800	5.640	5.000	5.630	11.549	0.29	15.949	30.00	Pass
207	6985	15.940	15.880	15.710	15.700	21.829	N/A	25.939	30.00	Pass

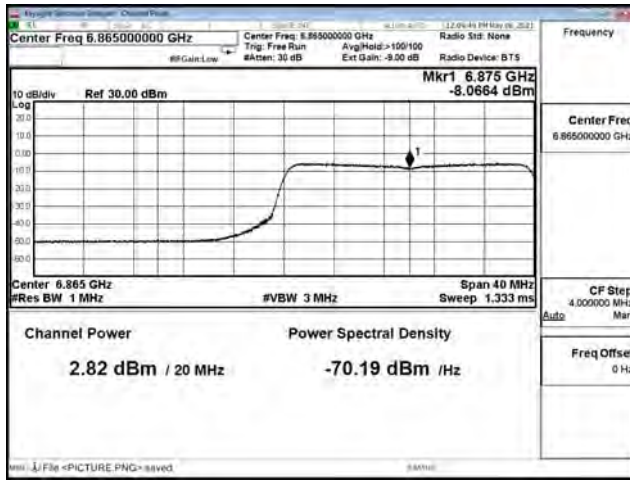
## Note:

1. For straddle channels, EIRP = Total power + Directional Gain for Power + Duty Factor.
2. For other channels, EIRP = Total power + Directional Gain for Power
3. Duty Factor refer to Section 1.10.

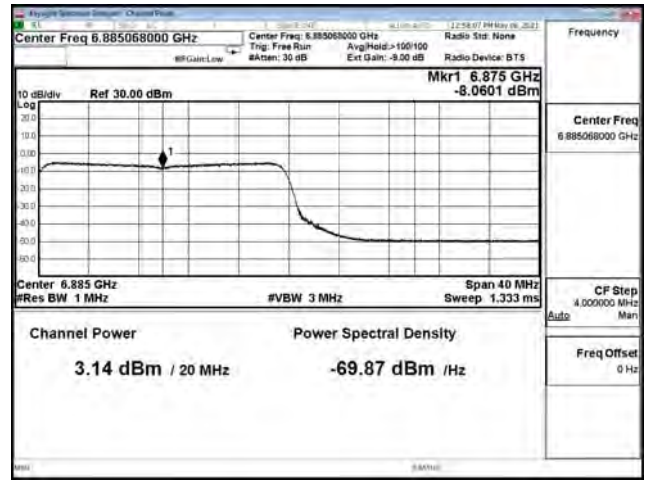
**For Straddle Channels of power**

**Spectrum plot value of power**

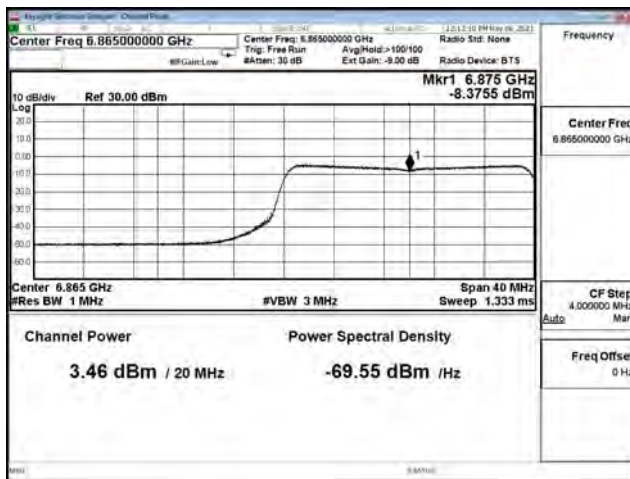
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-7)



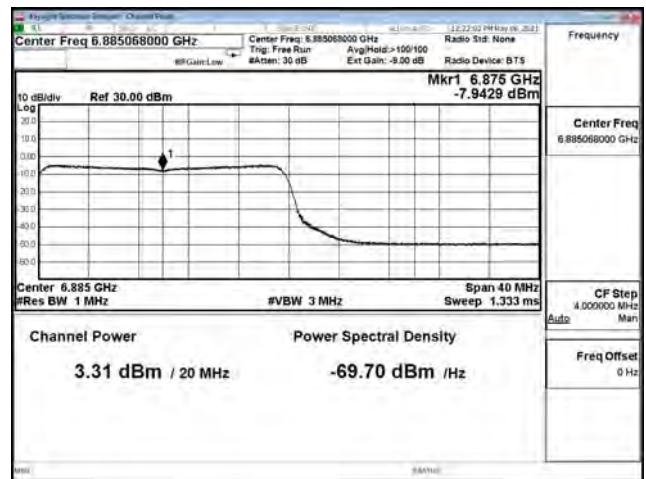
802.11ax (20MHz) / Ant. 0 / 6875 MHz (U-NII-8)



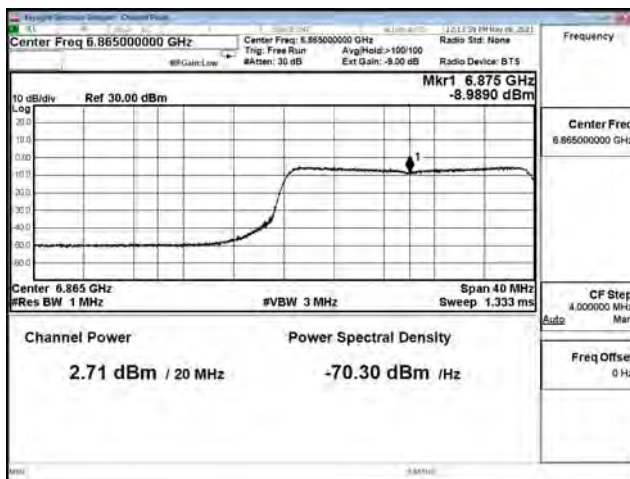
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-7)



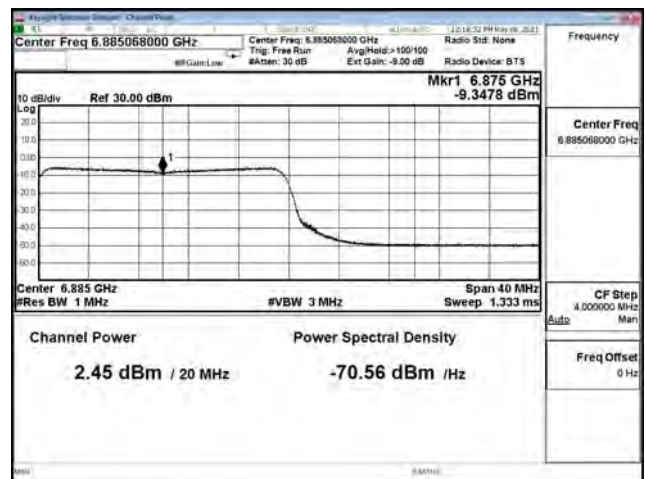
802.11ax (20MHz) / Ant. 1 / 6875 MHz (U-NII-8)



802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-7)



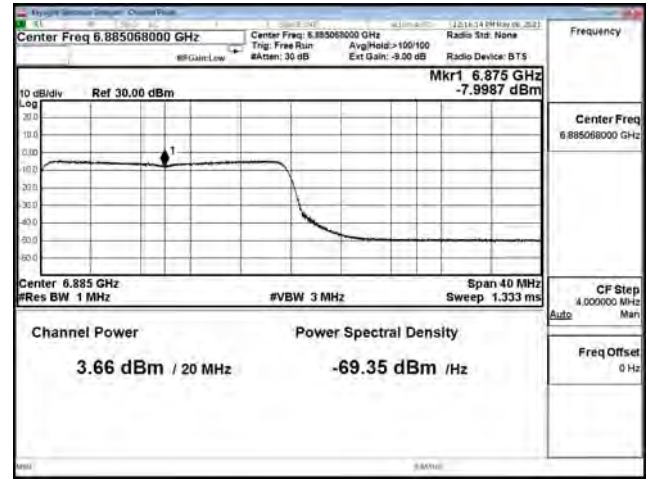
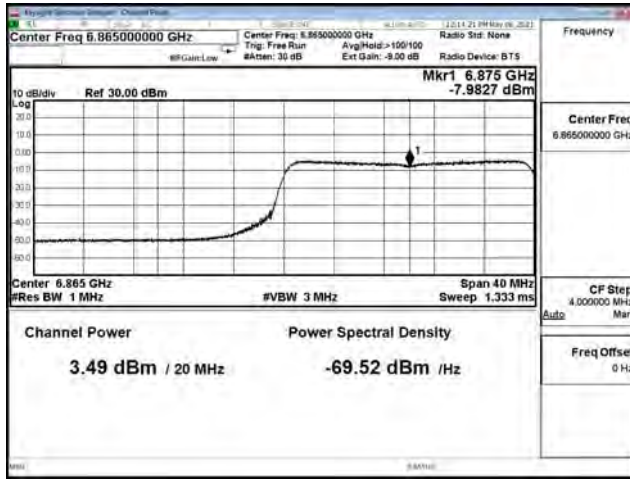
802.11ax (20MHz) / Ant. 2 / 6875 MHz (U-NII-8)



**Spectrum plot value of power**

802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-7)

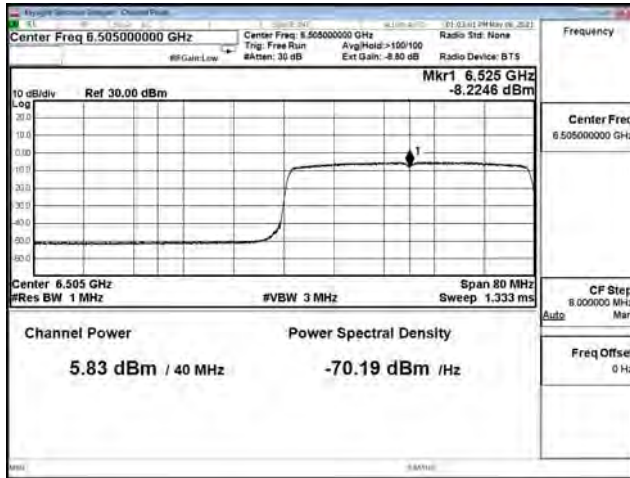
802.11ax (20MHz) / Ant. 3 / 6875 MHz (U-NII-8)



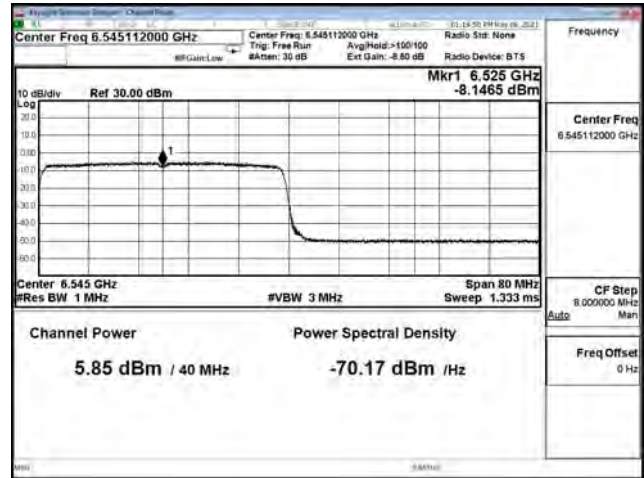


**Spectrum plot value of power**

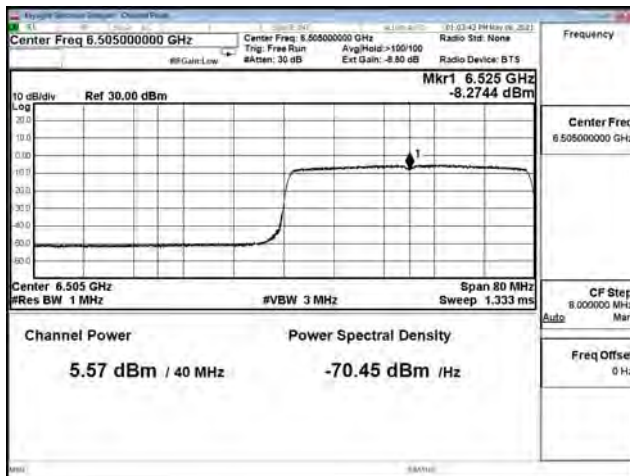
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-7)



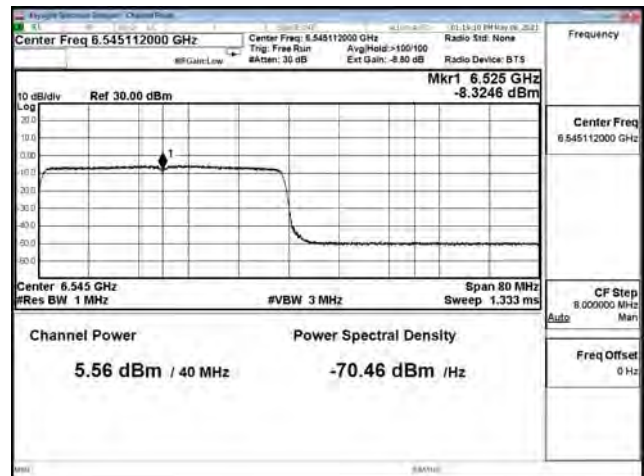
802.11ax (40MHz) / Ant. 0 / 6525 MHz (U-NII-8)



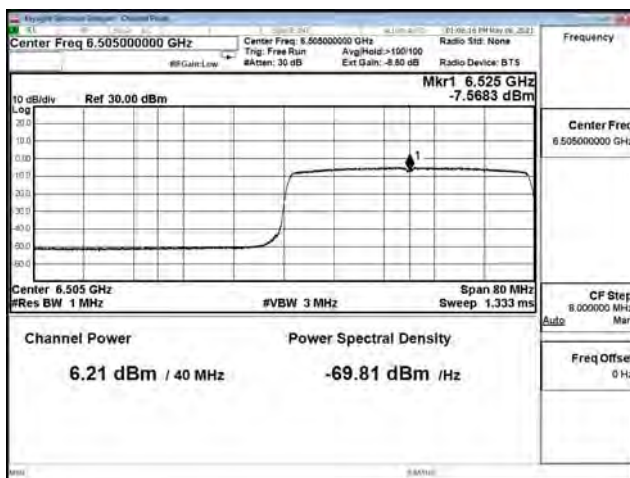
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-7)



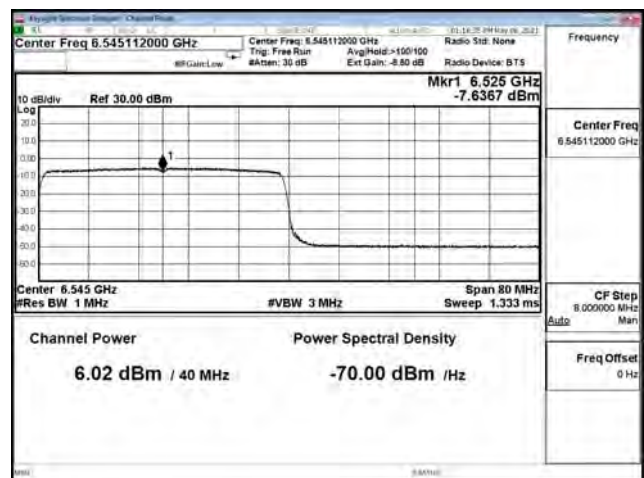
802.11ax (40MHz) / Ant. 1 / 6525 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-7)

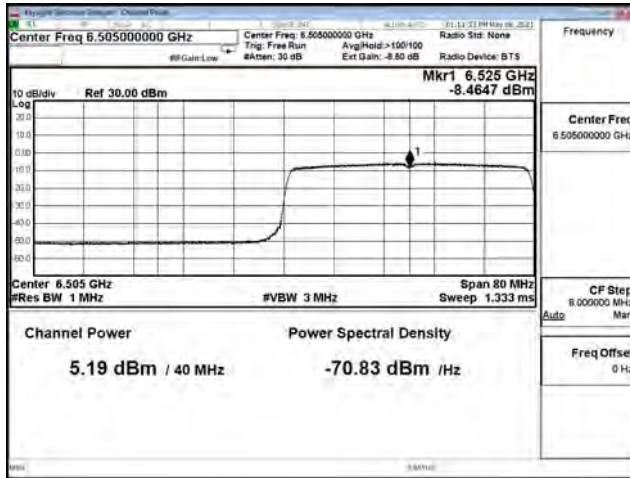


802.11ax (40MHz) / Ant. 2 / 6525 MHz (U-NII-8)

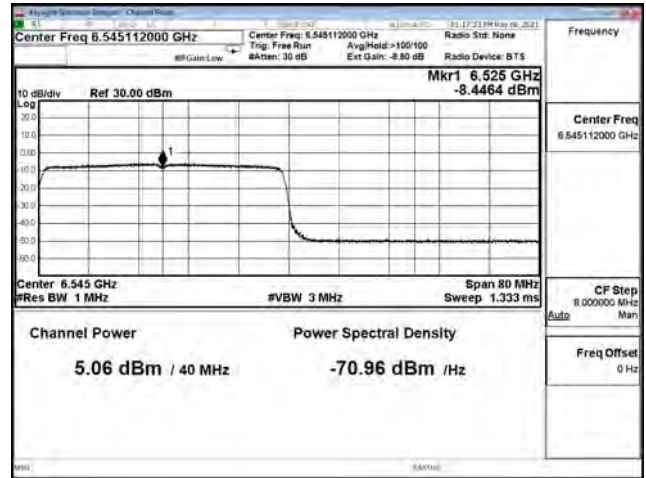


Spectrum plot value of power

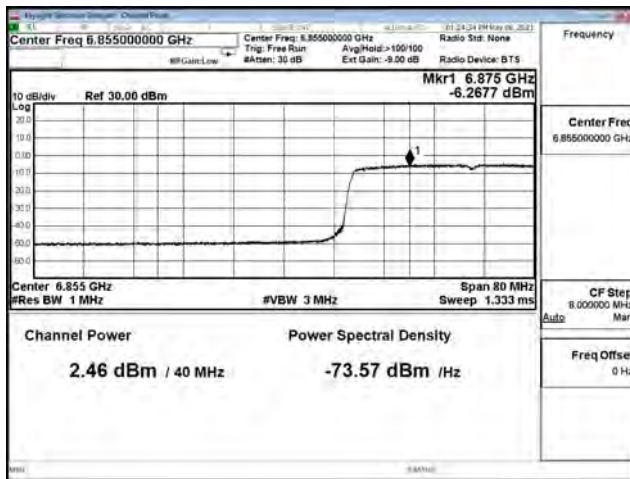
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-7)



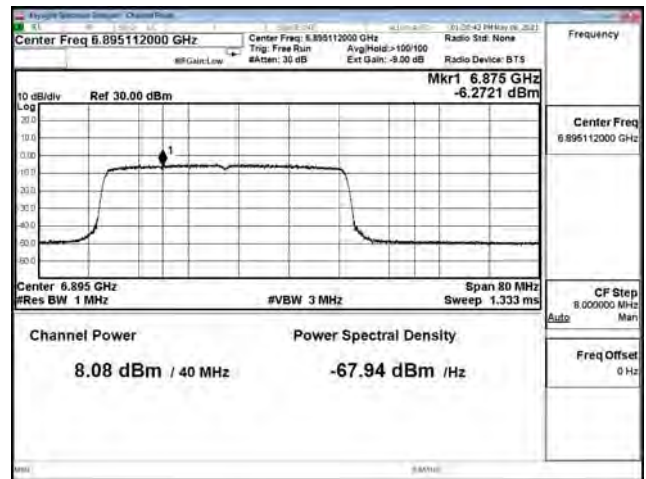
802.11ax (40MHz) / Ant. 3 / 6525 MHz (U-NII-8)



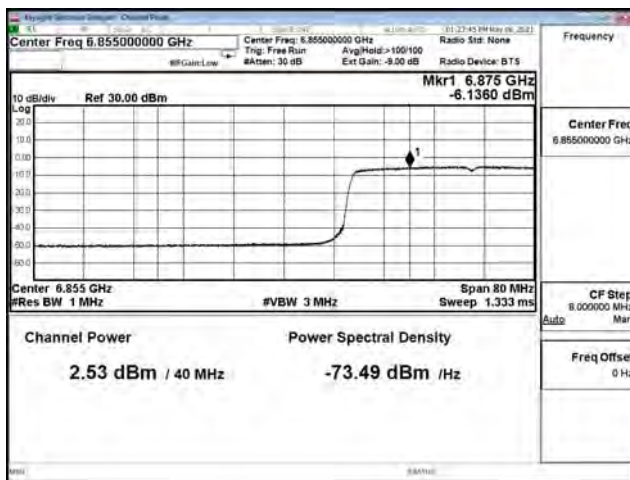
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-7)



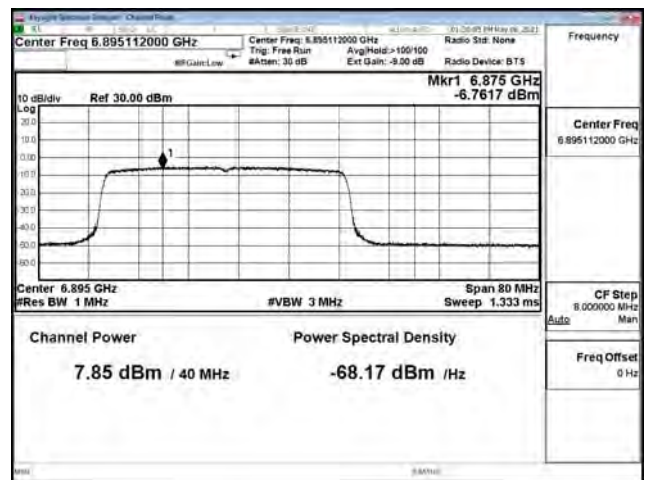
802.11ax (40MHz) / Ant. 0 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-7)

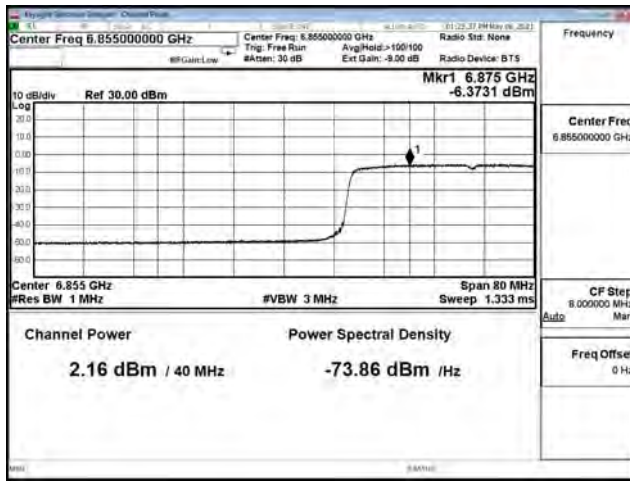


802.11ax (40MHz) / Ant. 1 / 6885 MHz (U-NII-8)

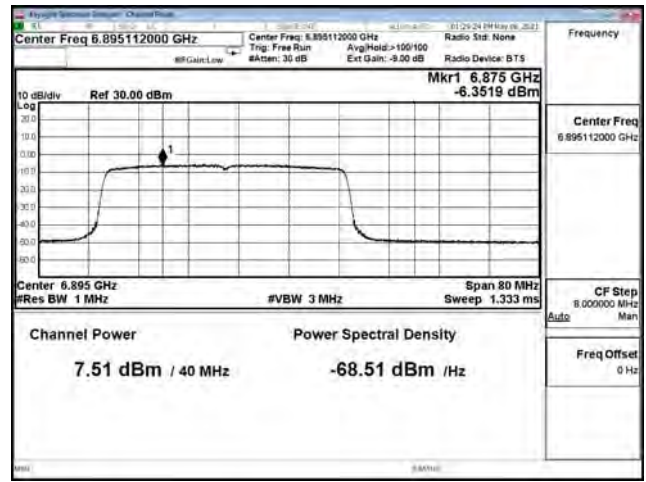


**Spectrum plot value of power**

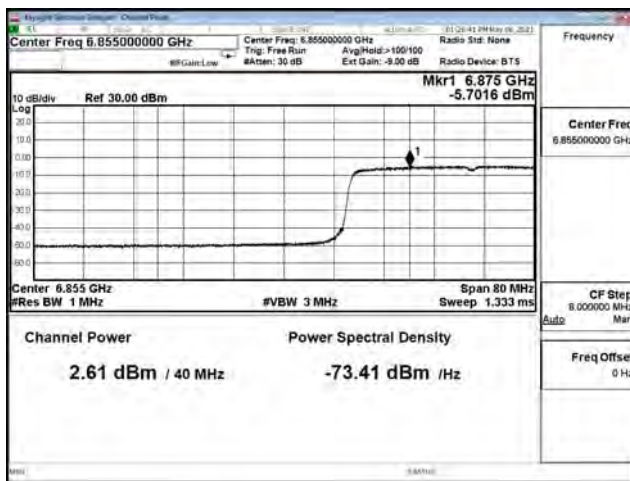
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-7)



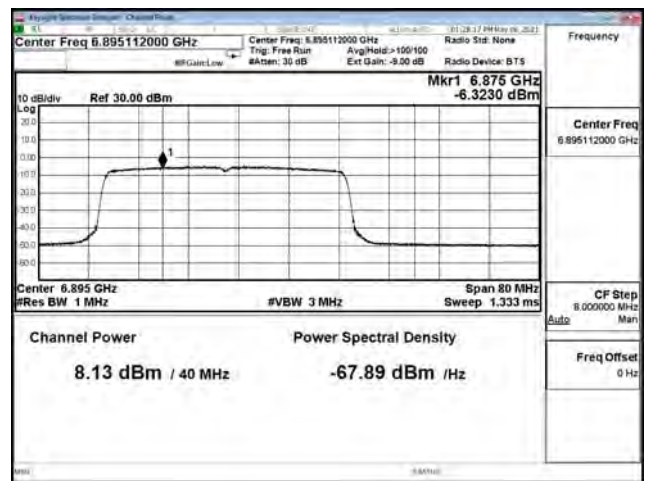
802.11ax (40MHz) / Ant. 2 / 6885 MHz (U-NII-8)



802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-7)



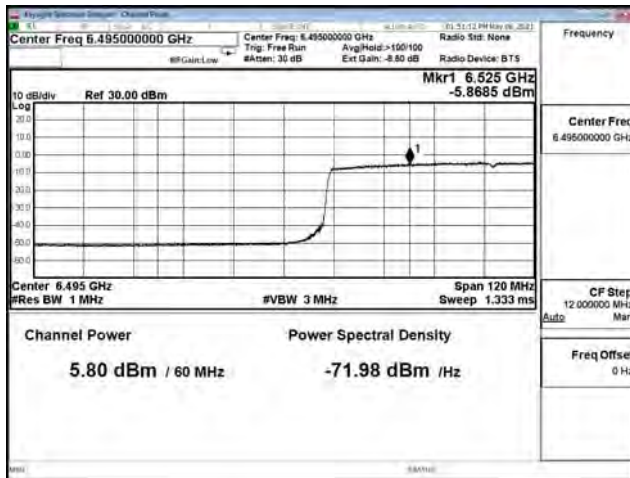
802.11ax (40MHz) / Ant. 3 / 6885 MHz (U-NII-8)



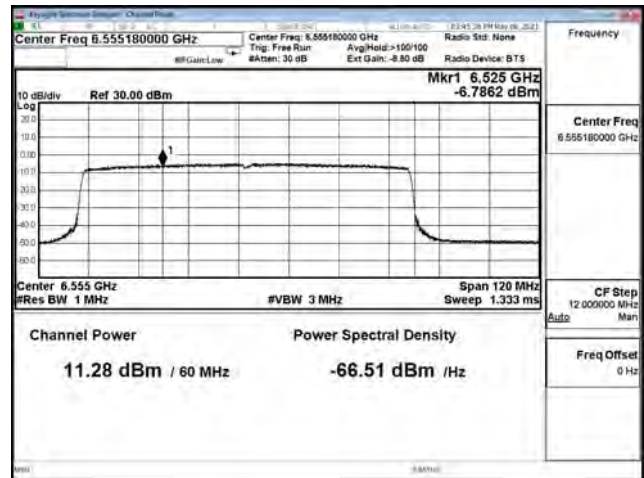


Spectrum plot value of power

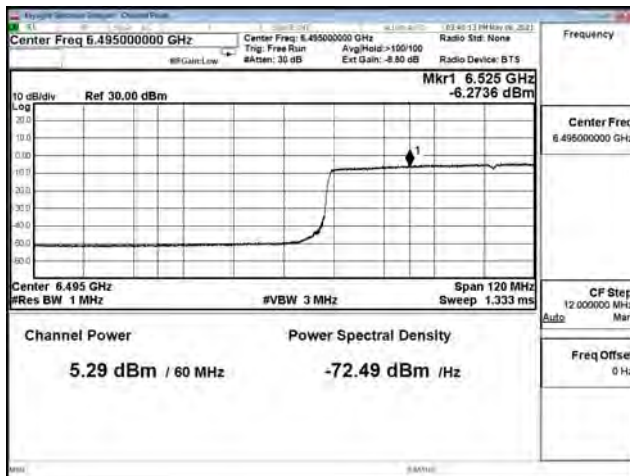
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-7)



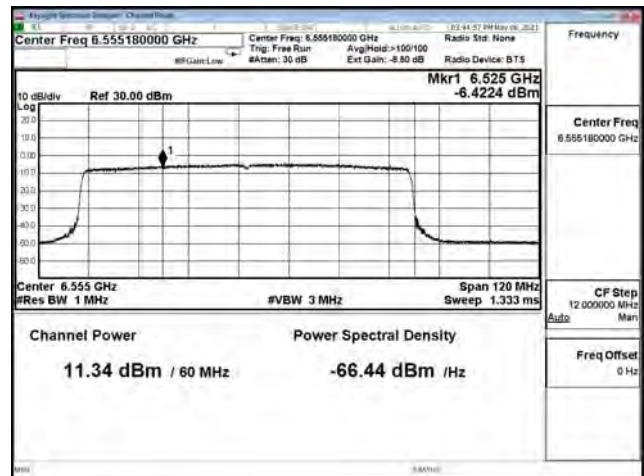
802.11ax (80MHz) / Ant. 0 / 6545 MHz (U-NII-8)



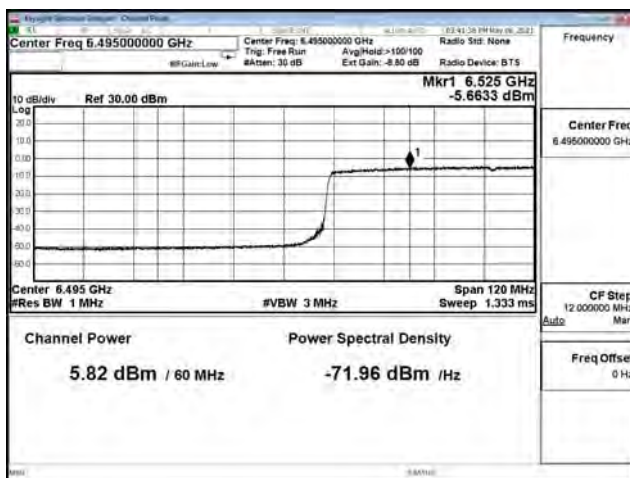
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-7)



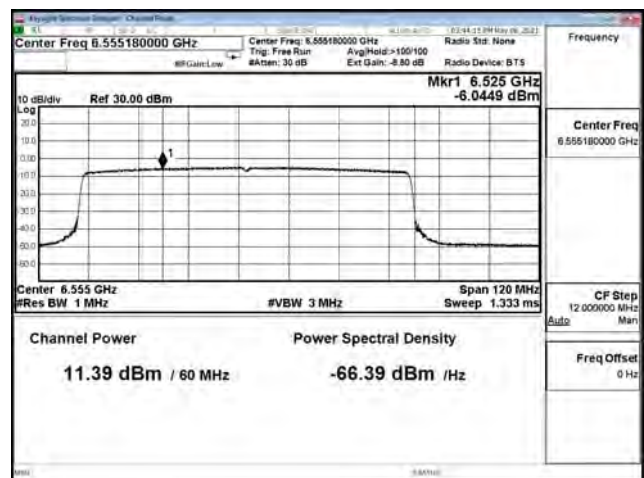
802.11ax (80MHz) / Ant. 1 / 6545 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-7)

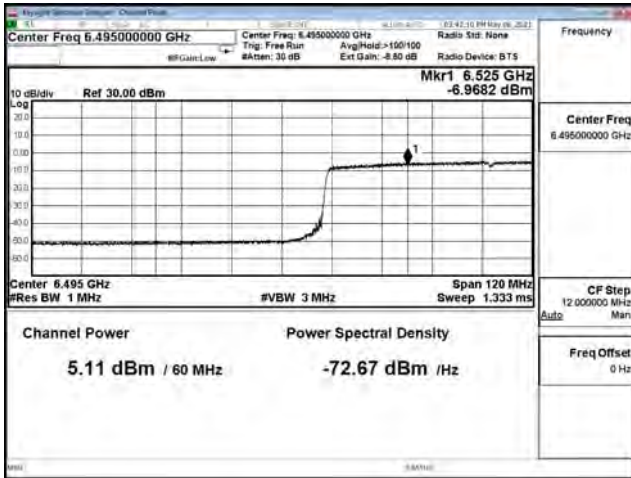


802.11ax (80MHz) / Ant. 2 / 6545 MHz (U-NII-8)

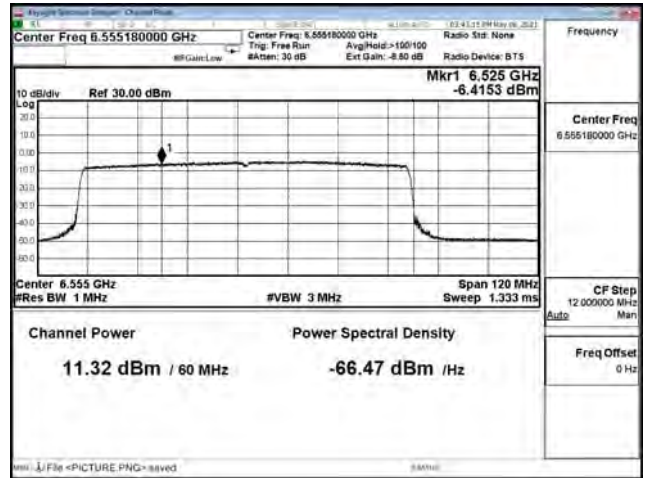


Spectrum plot value of power

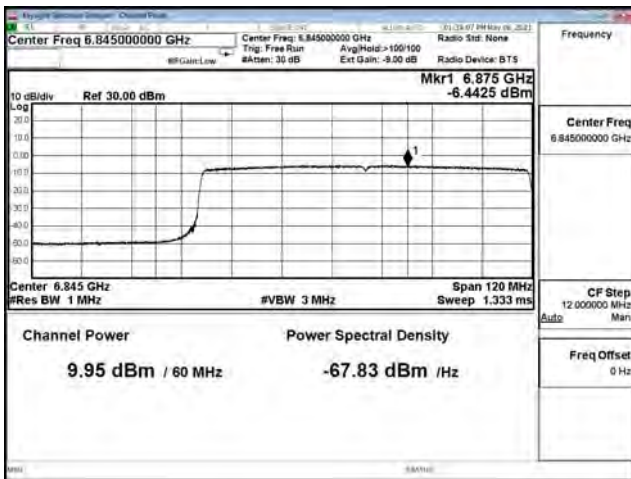
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-7)



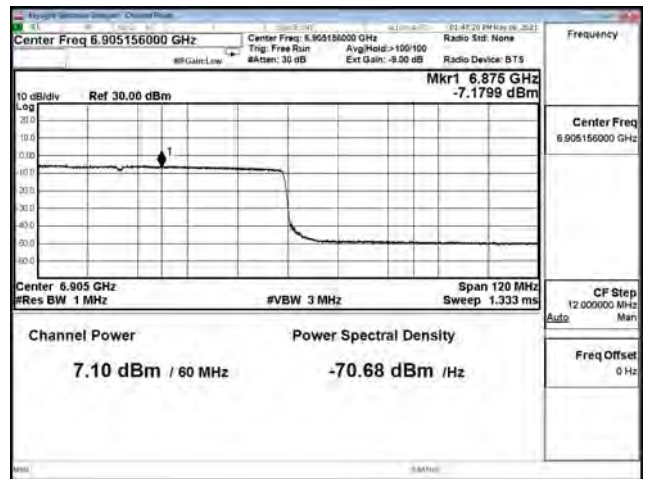
802.11ax (80MHz) / Ant. 3 / 6545 MHz (U-NII-8)



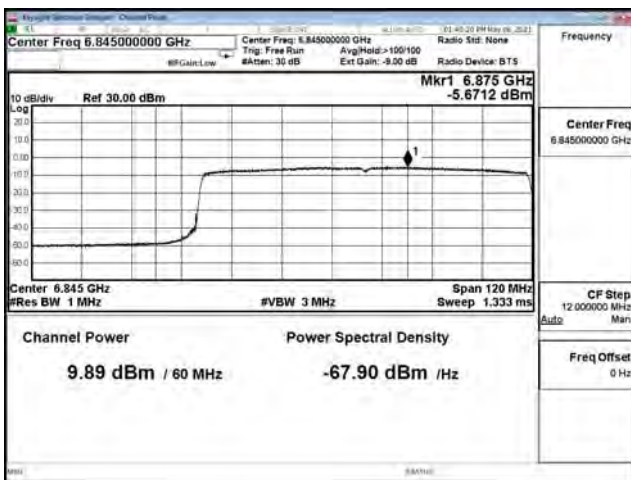
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-7)



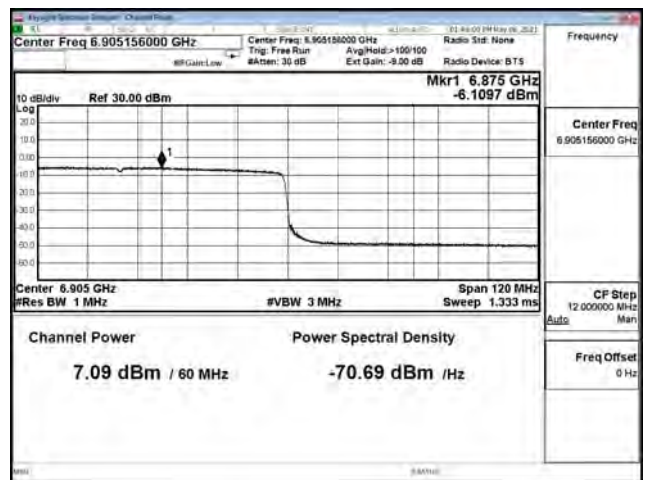
802.11ax (80MHz) / Ant. 0 / 6865 MHz (U-NII-8)



802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-7)



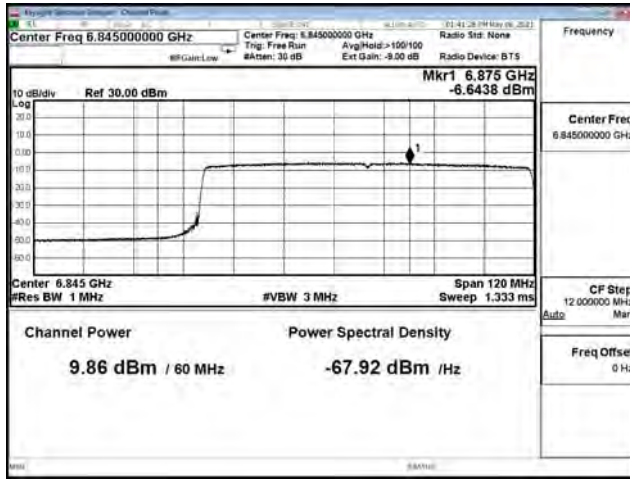
802.11ax (80MHz) / Ant. 1 / 6865 MHz (U-NII-8)



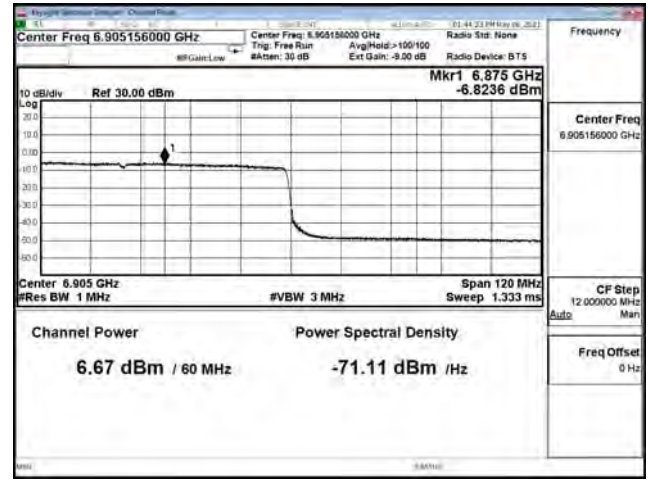


**Spectrum plot value of power**

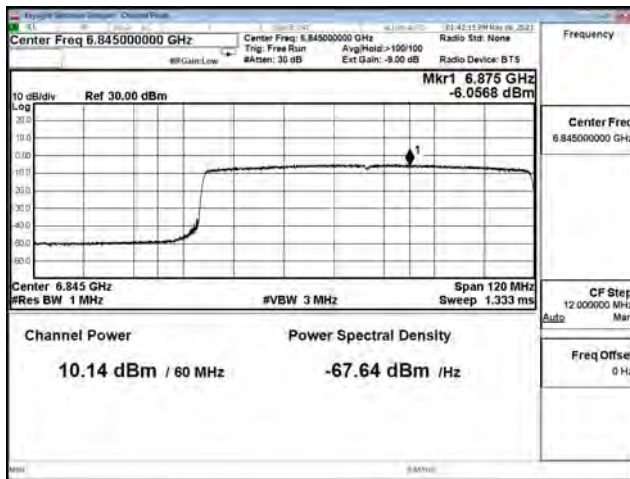
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-7)



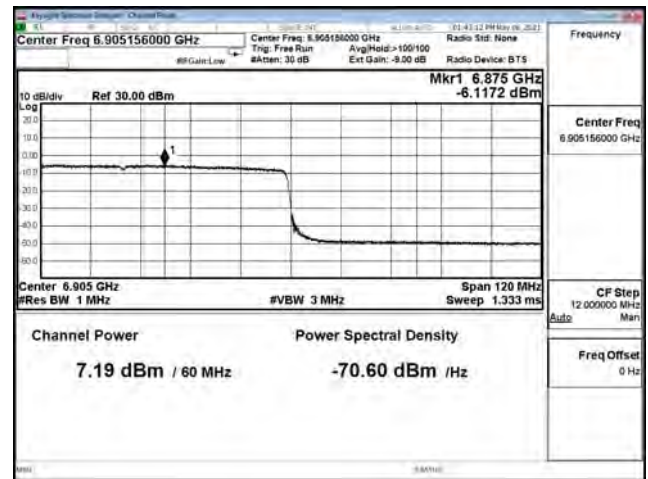
802.11ax (80MHz) / Ant. 2 / 6865 MHz (U-NII-8)



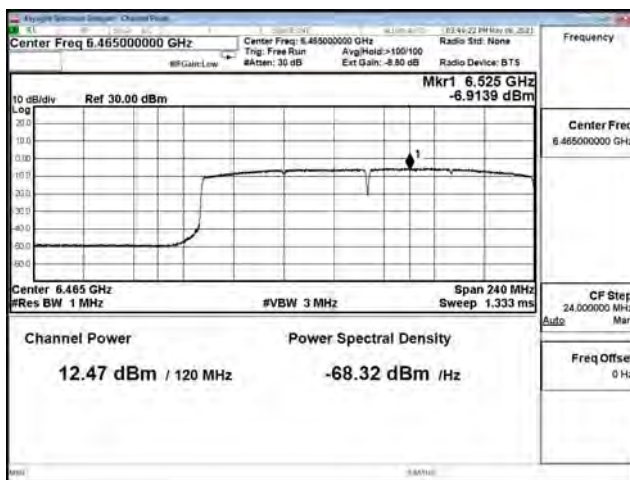
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-7)



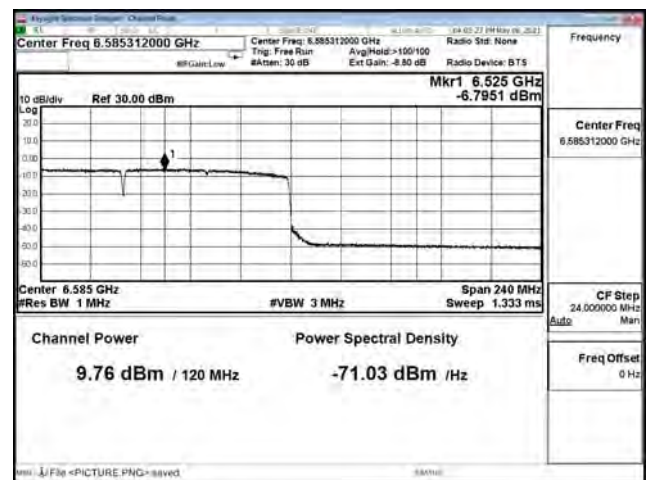
802.11ax (80MHz) / Ant. 3 / 6865 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-7)

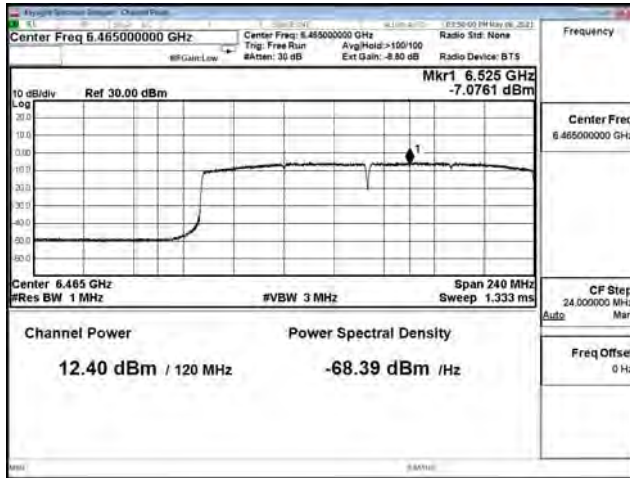


802.11ax (160MHz) / Ant. 0 / 6505 MHz (U-NII-8)

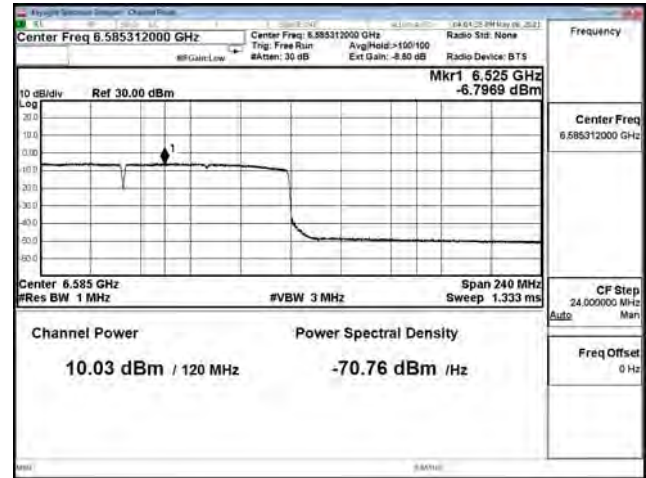


Spectrum plot value of power

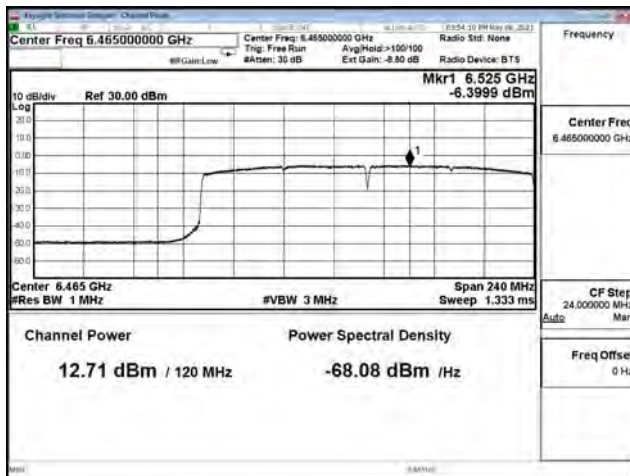
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-7)



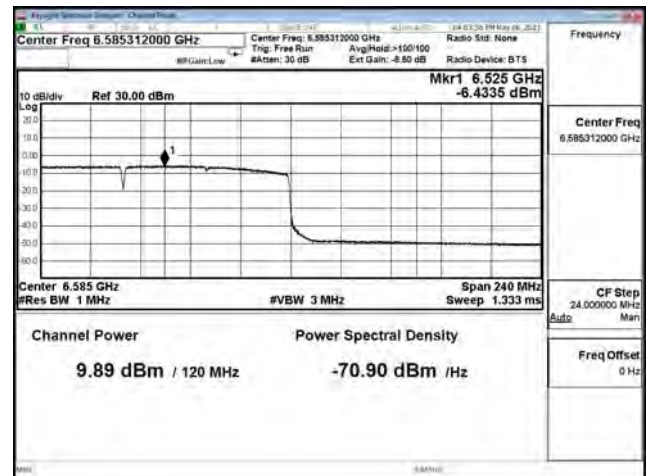
802.11ax (160MHz) / Ant. 1 / 6505 MHz (U-NII-8)



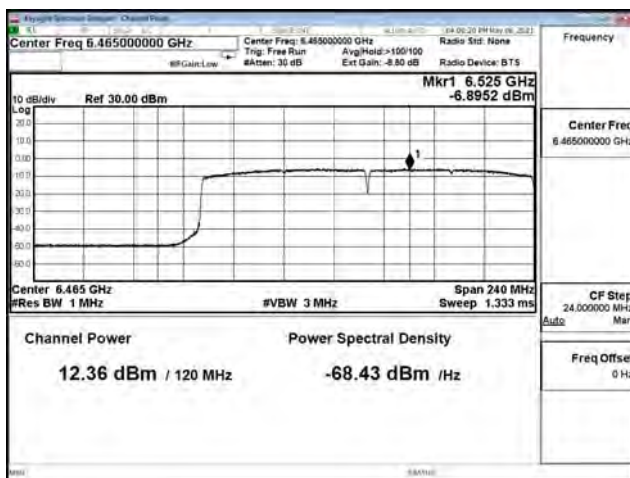
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-7)



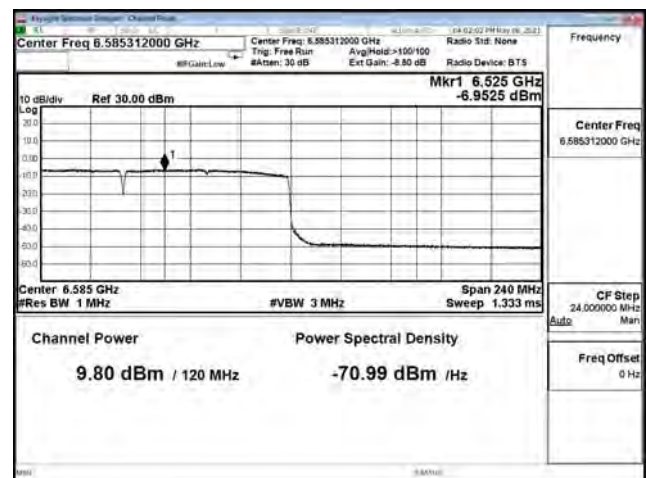
802.11ax (160MHz) / Ant. 2 / 6505 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-7)



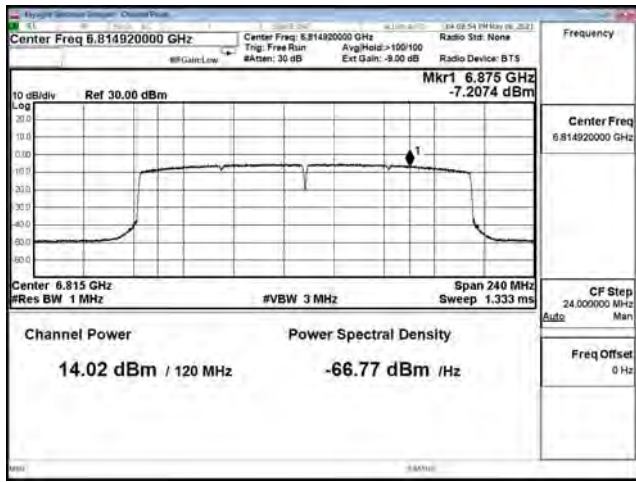
802.11ax (160MHz) / Ant. 3 / 6505 MHz (U-NII-8)



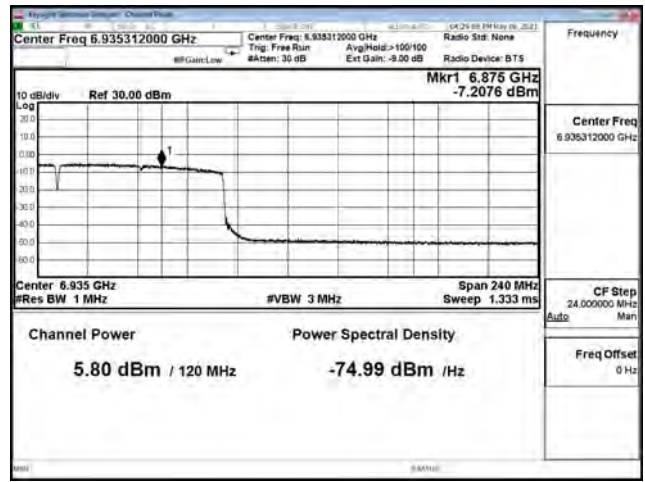


**Spectrum plot value of power**

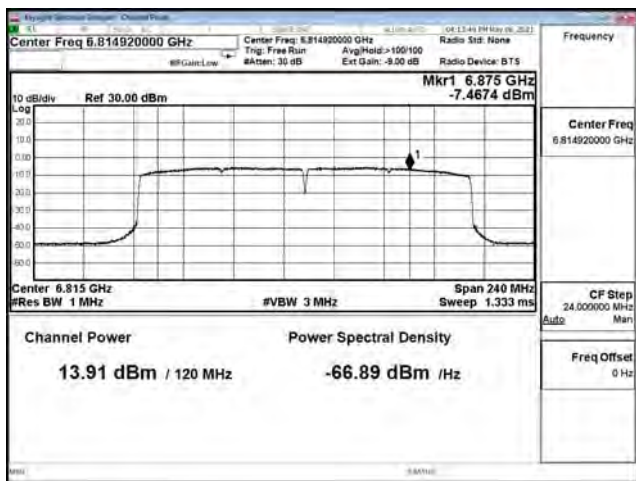
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-7)



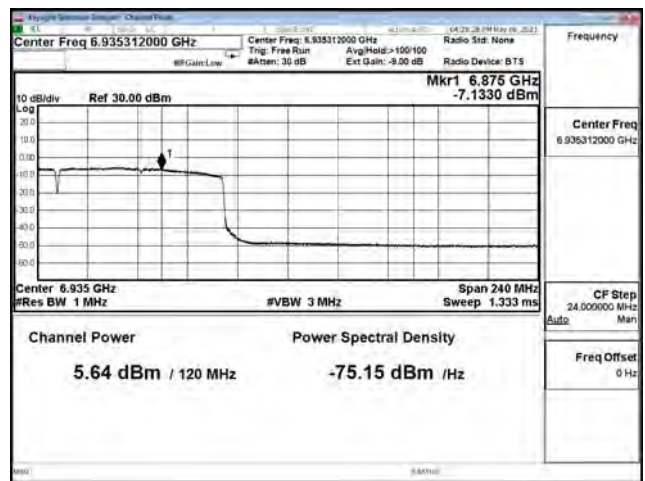
802.11ax (160MHz) / Ant. 0 / 6825 MHz (U-NII-8)



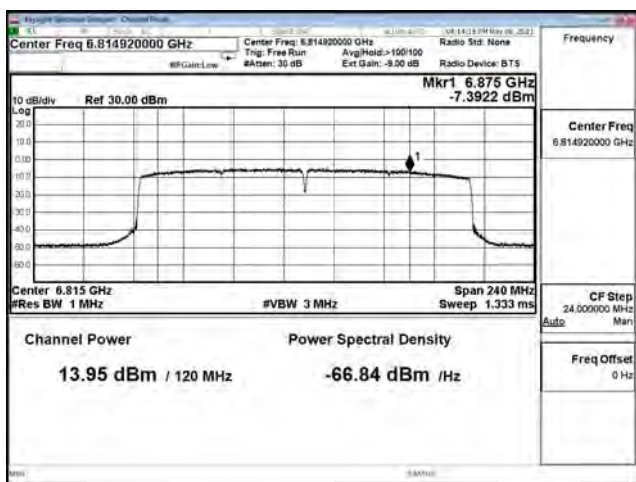
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-7)



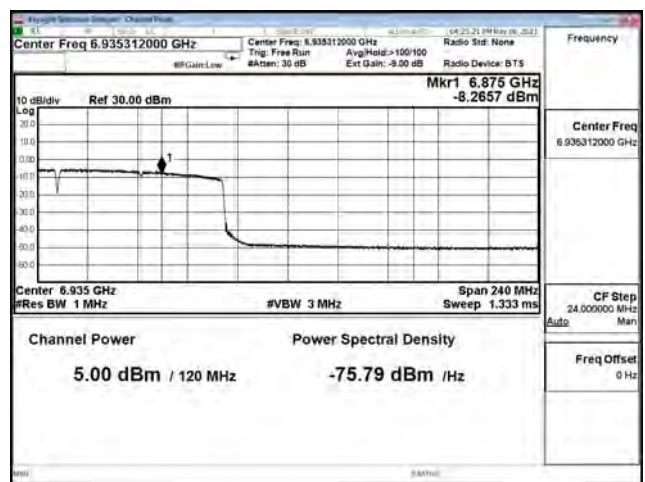
802.11ax (160MHz) / Ant. 1 / 6825 MHz (U-NII-8)



802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-7)



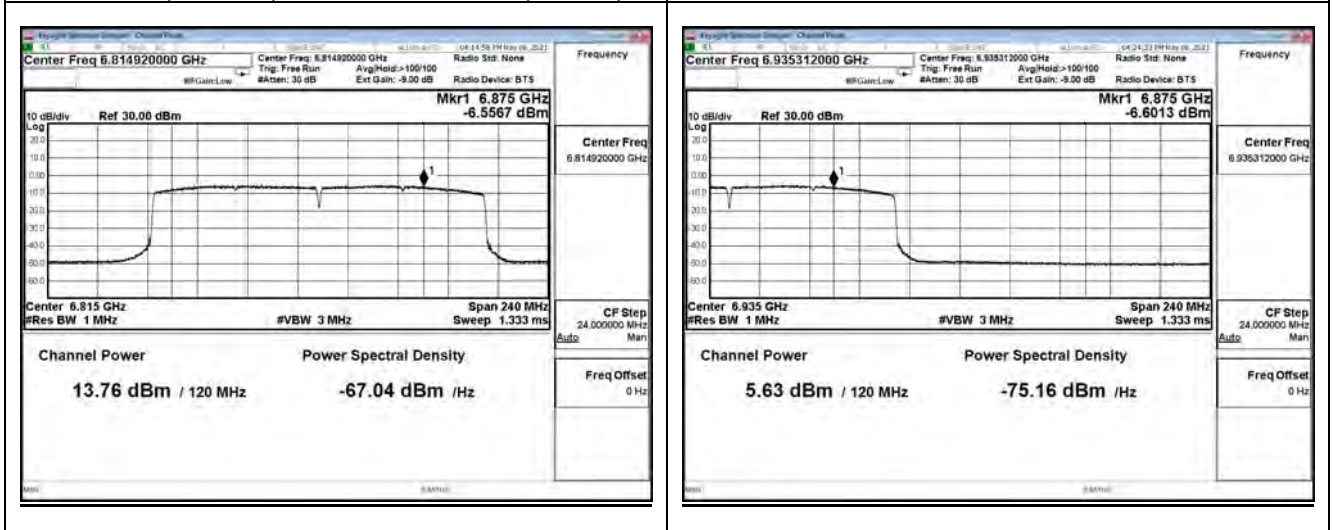
802.11ax (160MHz) / Ant. 2 / 6825 MHz (U-NII-8)



**Spectrum plot value of power**

802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-7)

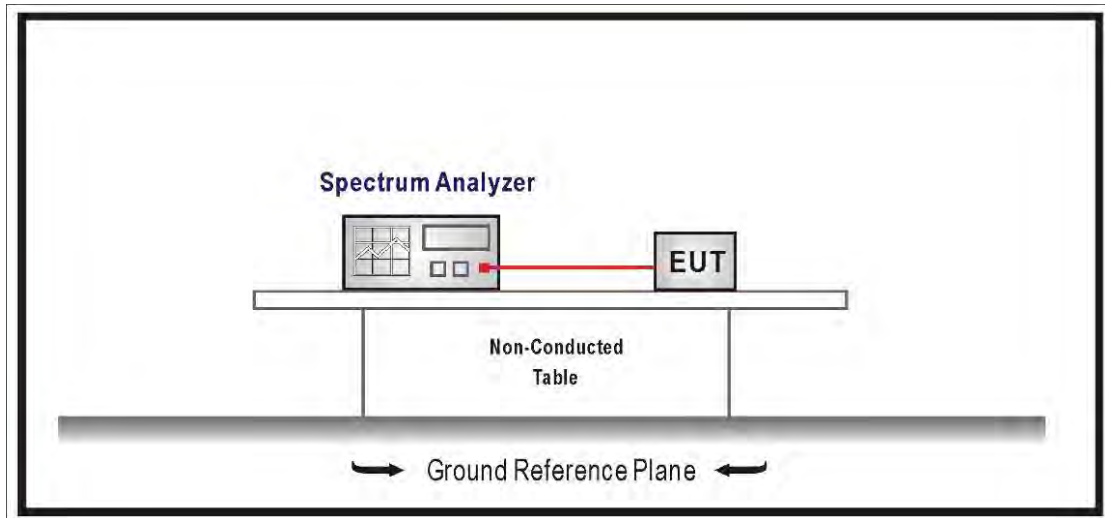
802.11ax (160MHz) / Ant. 3 / 6825 MHz (U-NII-8)





## 6. Peak Power Spectrum Density

### 6.1. Test Setup



### 6.2. Limits

1. For the 5.925~6.425 GHz band:
  - For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
  - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
  - For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
  - For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
  - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
2. For the 6.425~6.525 GHz band:
  - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
  - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
3. For the 6.525~6.875 GHz band:
  - For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
  - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
  - For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
  - For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
  - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
4. For the 6.875~7.125 GHz band:
  - For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
  - For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.

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### **6.3. Test Procedure**

The EUT was setup to ANSI C63.10: 2013; tested to U-NII test procedure of KDB 789033.D02 V02r01 for compliance to FCC CFR Title 47 Part 15 Subpart E requirements.

Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

#### 6.4. Test Result of Peak Power Spectral Density

Non-beamforming mode for RU-Full

802.11a

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
33	6115	-6.06	-6.27	-6.37	-5.67	-0.810	4.930	5.00	Pass
61	6255	-6.28	-5.98	-6.79	-5.81	-0.950	4.790	5.00	Pass
93	6415	-6.22	-5.94	-6.34	-5.70	-0.760	4.980	5.00	Pass
97	6435	-5.37	-5.14	-5.36	-5.06	0.010	4.590	5.00	Pass
105	6475	-5.37	-4.91	-5.30	-4.93	0.090	4.670	5.00	Pass
113	6515	-4.88	-5.08	-5.02	-4.99	0.240	4.820	5.00	Pass
117	6535	-4.63	-4.44	-4.74	-4.66	0.890	4.710	5.00	Pass
149	6695	-4.34	-4.60	-4.70	-4.33	1.090	4.910	5.00	Pass
181	6855	-4.80	-3.63	-4.58	-3.92	1.130	4.950	5.00	Pass
185_L	6875	-4.92	-4.21	-5.49	-4.21	0.910	4.730	5.00	Pass
185_R	6875	-5.04	-4.69	-5.38	-4.06	0.630	4.740	5.00	Pass
189	6895	-4.91	-4.56	-5.12	-4.53	0.570	4.680	5.00	Pass
209	6995	-4.90	-4.95	-4.74	-5.09	0.590	4.700	5.00	Pass
229	7095	-4.74	-4.54	-4.70	-4.67	0.790	4.900	5.00	Pass

802.11ax (20 MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
33	6115	-6.38	-6.22	-6.41	-5.74	-1.000	4.740	5.00	Pass
61	6255	-6.43	-6.09	-7.39	-6.29	-1.040	4.700	5.00	Pass
93	6415	-6.10	-5.57	-6.59	-6.54	-0.910	4.830	5.00	Pass
97	6435	-5.02	-4.73	-4.72	-4.62	0.380	4.960	5.00	Pass
105	6475	-6.10	-4.34	-5.07	-5.00	0.150	4.730	5.00	Pass
113	6515	-4.98	-4.49	-4.62	-5.11	0.400	4.980	5.00	Pass
117	6535	-4.07	-3.62	-3.93	-4.94	1.130	4.950	5.00	Pass
149	6695	-4.33	-4.06	-3.93	-4.18	1.090	4.910	5.00	Pass
181	6855	-4.20	-4.71	-5.06	-4.21	0.890	4.710	5.00	Pass
185_L	6875	-4.33	-4.16	-5.06	-4.26	0.840	4.660	5.00	Pass
185_R	6875	-4.52	-3.75	-5.10	-3.73	0.870	4.980	5.00	Pass
189	6895	-4.06	-4.42	-5.10	-4.18	0.880	4.990	5.00	Pass
209	6995	-4.26	-4.35	-4.86	-4.27	0.760	4.870	5.00	Pass
229	7095	-5.15	-4.07	-4.81	-4.49	0.750	4.860	5.00	Pass

## 802.11ax (40MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
35	6125	-6.21	-6.45	-6.57	-6.50	-1.080	4.660	5.00	Pass
59	6245	-6.36	-5.73	-6.02	-6.35	-0.830	4.910	5.00	Pass
91	6405	-6.42	-5.96	-6.36	-6.23	-0.920	4.820	5.00	Pass
99	6445	-4.07	-4.46	-5.20	-4.78	0.370	4.950	5.00	Pass
107	6485	-4.93	-5.42	-4.53	-5.40	0.300	4.880	5.00	Pass
115_L	6525	-5.16	-4.92	-5.23	-5.33	0.160	4.740	5.00	Pass
115_R	6525	-5.37	-5.76	-4.90	-6.11	0.060	3.880	5.00	Pass
123	6565	-3.95	-4.02	-4.38	-4.99	1.020	4.840	5.00	Pass
155	6725	-3.98	-4.77	-4.28	-4.61	0.990	4.810	5.00	Pass
179	6845	-4.50	-4.32	-4.41	-4.08	0.890	4.710	5.00	Pass
187_L	6885	-5.28	-4.64	-6.07	-4.51	0.340	4.160	5.00	Pass
187_R	6885	-4.93	-4.36	-4.97	-4.23	0.880	4.990	5.00	Pass
195	6925	-4.09	-3.71	-4.59	-4.68	0.860	4.970	5.00	Pass
211	7005	-4.26	-4.62	-4.45	-4.50	0.850	4.960	5.00	Pass
227	7085	-4.19	-4.93	-3.93	-5.48	0.740	4.850	5.00	Pass

## 802.11ax (80MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
39	6145	-5.97	-6.40	-5.97	-6.13	-0.820	4.920	5.00	Pass
55	6225	-6.28	-6.07	-6.14	-6.10	-0.770	4.970	5.00	Pass
87	6385	-5.53	-5.80	-6.27	-5.58	-0.800	4.940	5.00	Pass
103	6465	-5.31	-4.28	-5.01	-5.24	0.280	4.860	5.00	Pass
119_L	6545	-5.03	-5.74	-4.94	-5.06	0.260	4.840	5.00	Pass
119_R	6545	-4.21	-4.35	-4.00	-4.76	0.880	4.700	5.00	Pass
135	6625	-3.59	-4.09	-4.34	-4.36	1.150	4.970	5.00	Pass
151	6705	-4.26	-3.92	-4.08	-3.56	1.130	4.950	5.00	Pass
167	6785	-4.46	-4.17	-4.39	-3.78	1.120	4.940	5.00	Pass
183_L	6865	-4.90	-4.86	-5.11	-4.89	0.340	4.160	5.00	Pass
183_R	6865	-4.91	-4.66	-5.74	-4.33	0.660	4.770	5.00	Pass
199	6945	-4.79	-4.35	-4.94	-4.29	0.690	4.800	5.00	Pass
215	7025	-4.33	-4.09	-4.02	-4.77	0.860	4.970	5.00	Pass

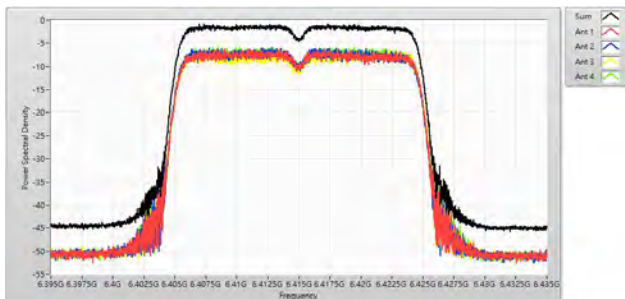


## 802.11ax (160MHz)

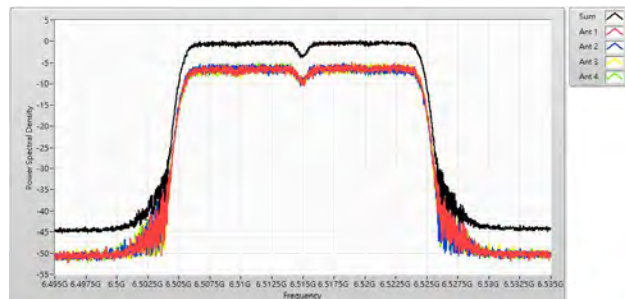
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
47	6185	-6.66	-6.00	-5.70	-6.35	-1.27	4.470	5.00	Pass
79	6345	-6.51	-5.63	-5.32	-6.17	-0.77	4.970	5.00	Pass
111_L	6505	-4.77	-5.28	-4.77	-4.95	0.13	4.710	5.00	Pass
111_R	6505	-5.23	-5.29	-5.37	-5.06	-0.20	3.620	5.00	Pass
143	6665	-3.57	-4.28	-4.36	-3.55	1.05	4.870	5.00	Pass
175_L	6825	-4.09	-3.69	-4.08	-4.30	0.59	4.410	5.00	Pass
175_R	6825	-5.01	-5.70	-5.90	-5.18	-0.20	3.910	5.00	Pass
207	6985	-3.87	-4.79	-4.82	-4.78	0.37	4.480	5.00	Pass

**Spectrum plot of worst value**

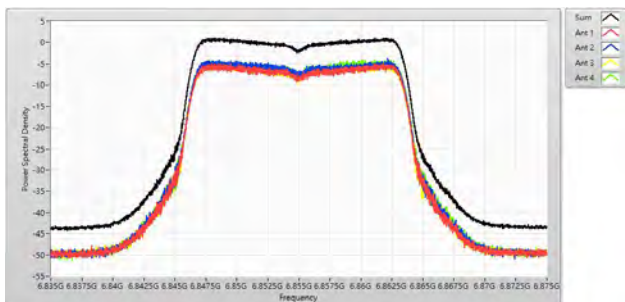
802.11a / Ant. 0+1+2+3 / 6415 MHz (U-NII-5)



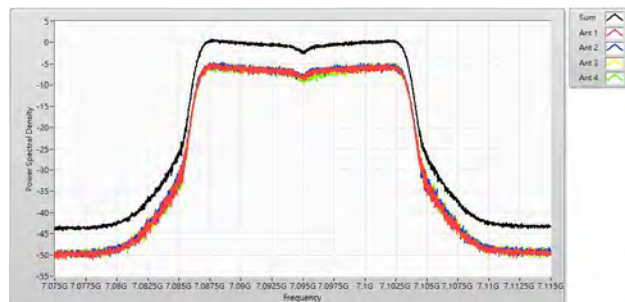
802.11a / Ant. 0+1+2+3 / 6515 MHz (U-NII-6)

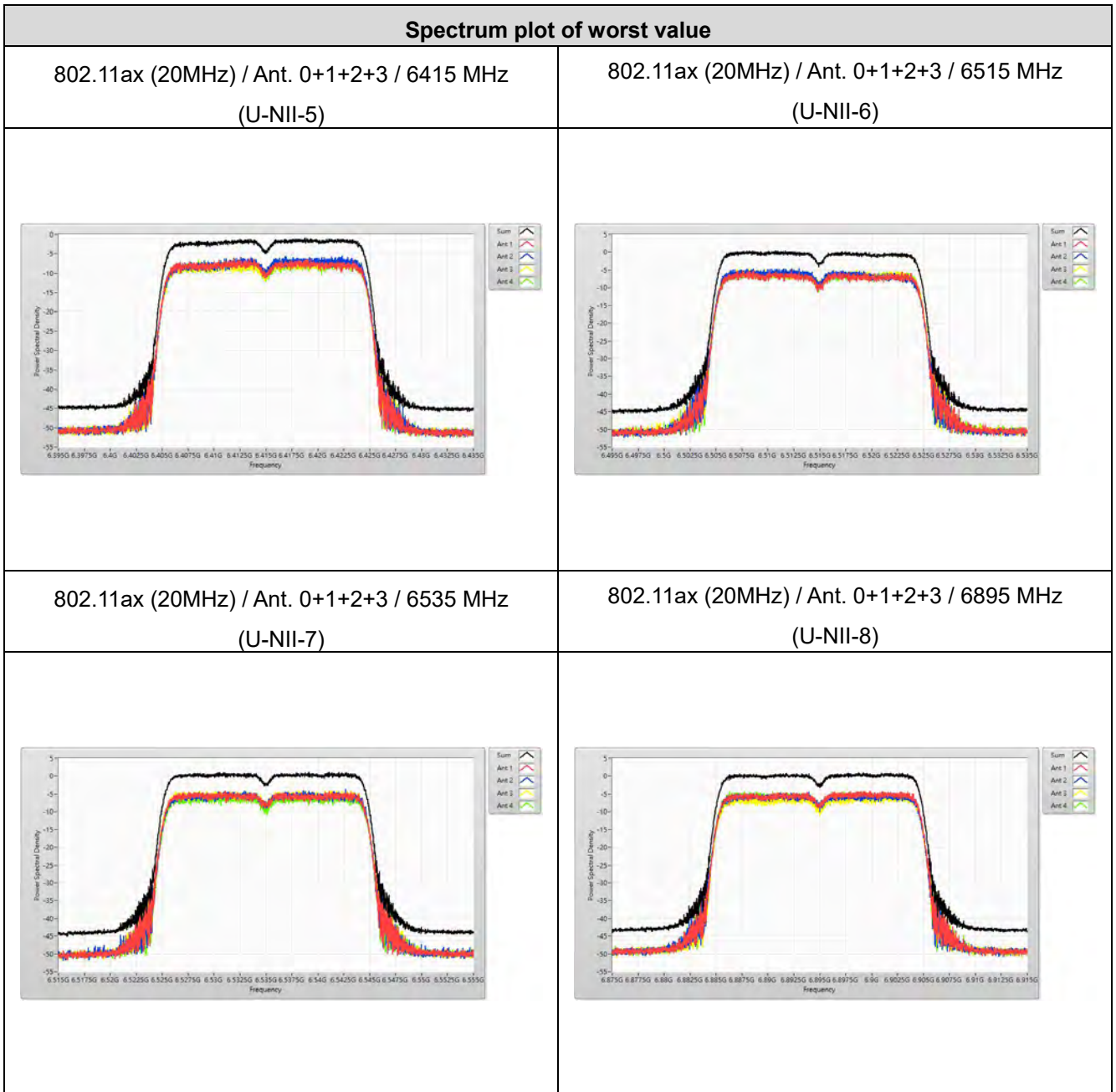


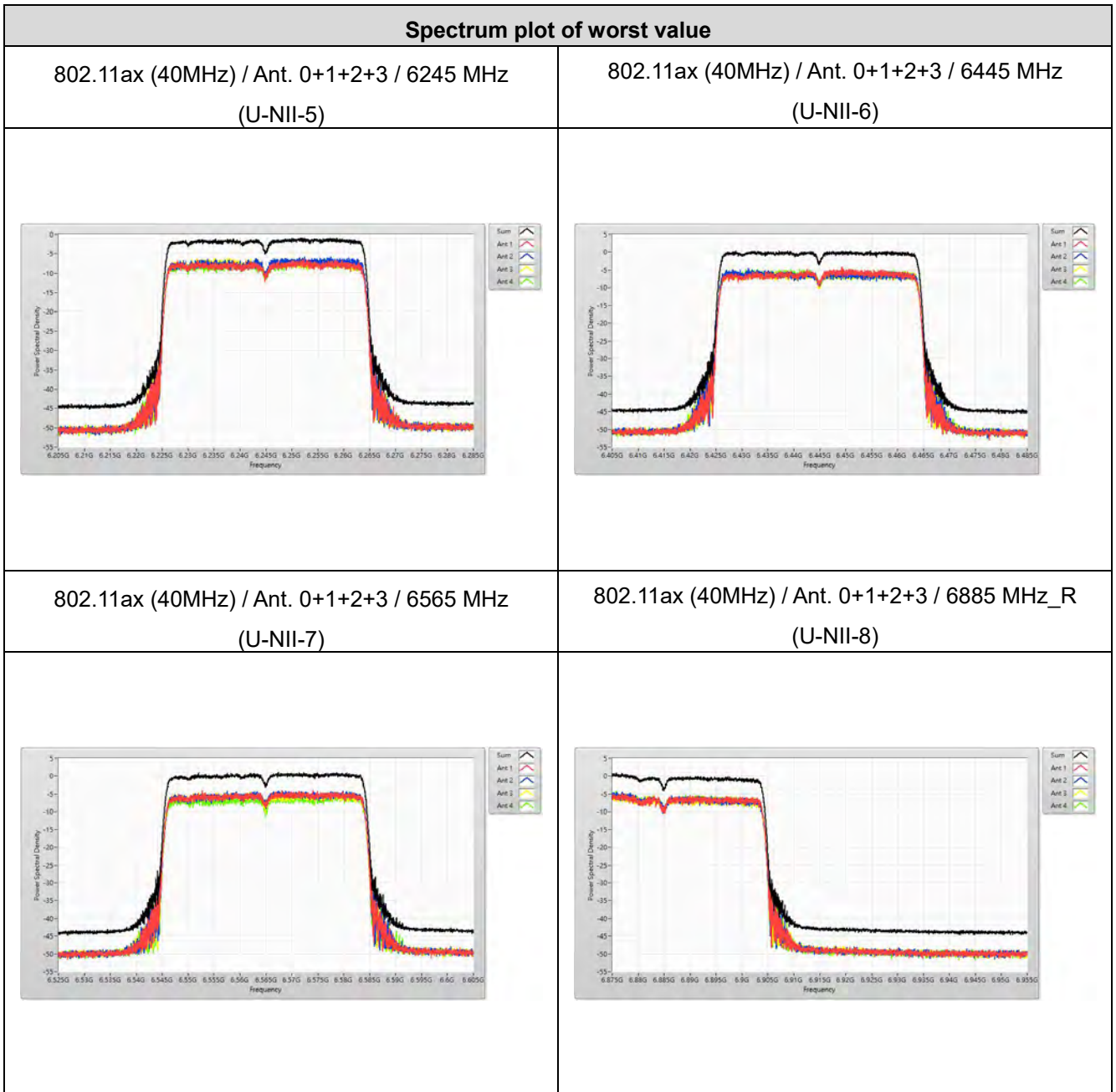
802.11a / Ant. 0+1+2+3 / 6855 MHz (U-NII-7)



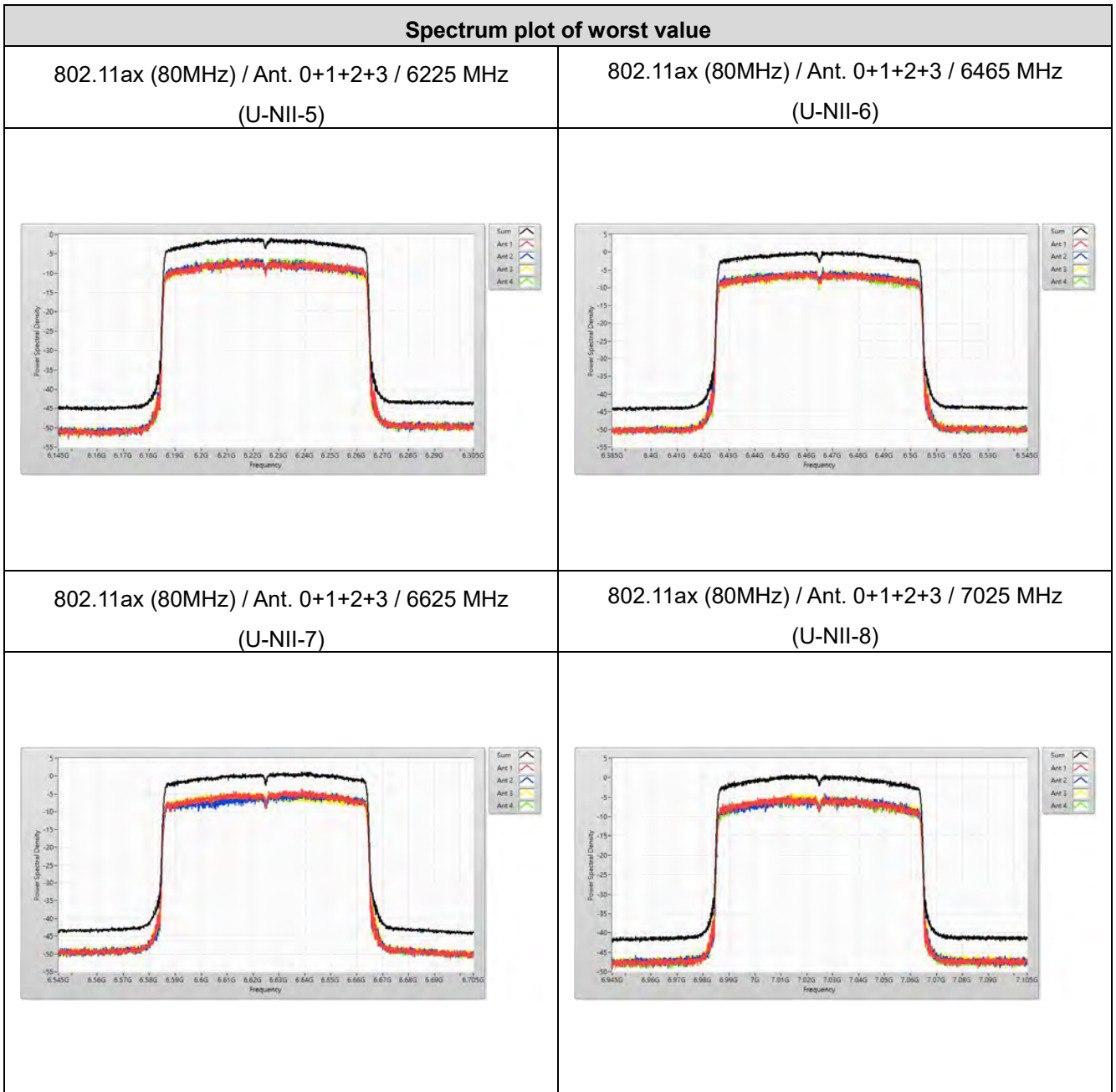
802.11a / Ant. 0+1+2+3 / 7095 MHz (U-NII-8)

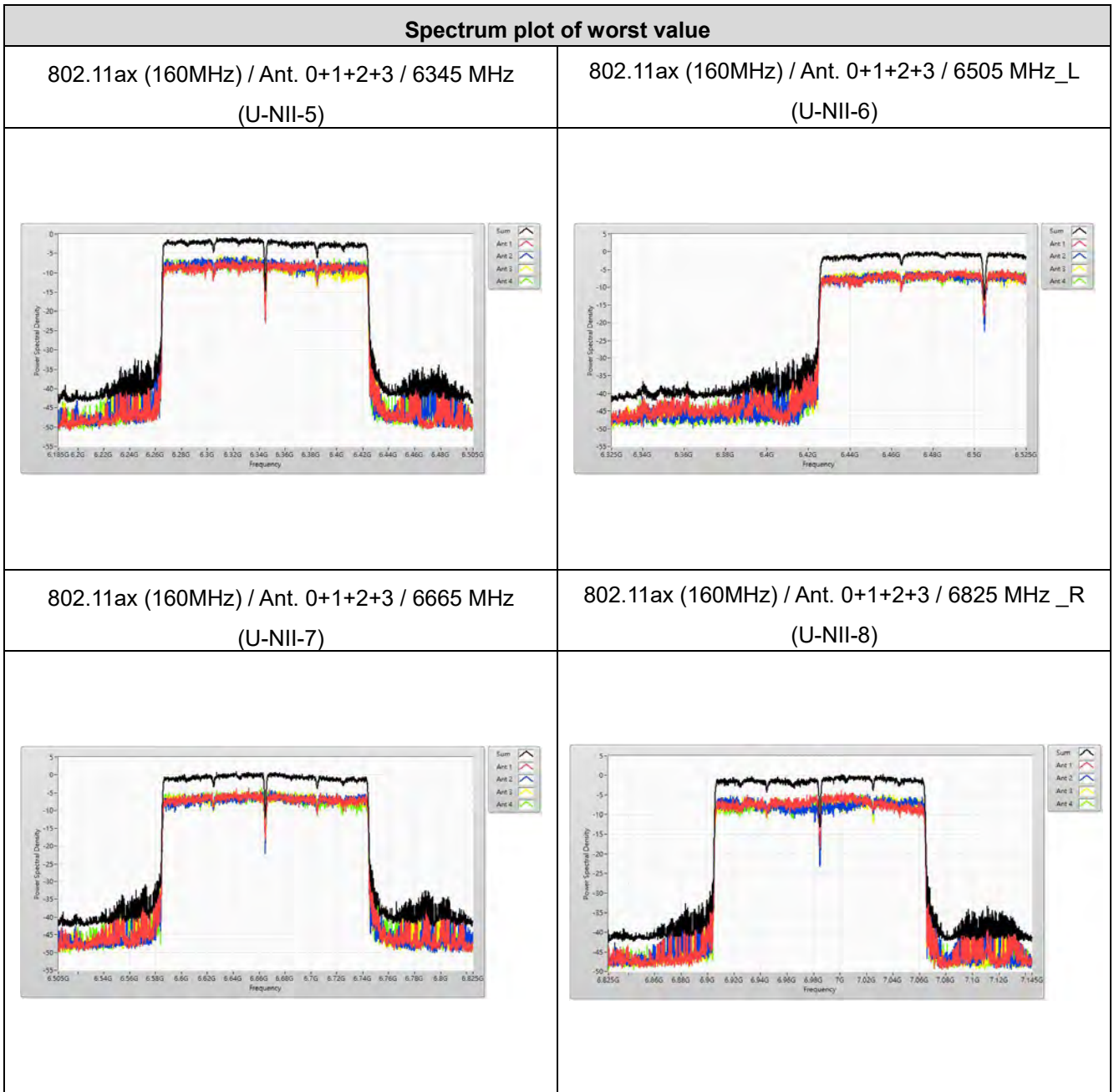












Non-beamforming mode for RU-Center

802.11ax (20 MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
33	6115	-5.90	-6.46	-6.78	-5.88	-0.800	4.940	5.00	Pass
61	6255	-5.99	-5.70	-6.35	-5.99	-0.770	4.970	5.00	Pass
93	6415	-6.50	-5.76	-6.81	-6.10	-0.880	4.860	5.00	Pass
97	6435	-5.56	-5.04	-5.41	-5.21	0.020	4.600	5.00	Pass
105	6475	-5.51	-4.68	-4.99	-4.63	0.400	4.980	5.00	Pass
113	6515	-5.19	-4.67	-5.14	-5.12	0.310	4.890	5.00	Pass
117	6535	-4.09	-4.04	-4.05	-4.26	1.160	4.980	5.00	Pass
149	6695	-4.44	-3.26	-4.50	-3.72	1.150	4.970	5.00	Pass
181	6855	-4.78	-4.09	-4.92	-3.99	1.010	4.830	5.00	Pass
185_L	6875	-4.77	4.24	-5.31	-4.06	0.900	4.720	5.00	Pass
185_R	6875	-5.02	-3.71	-5.33	-4.25	0.670	4.780	5.00	Pass
189	6895	-4.25	-4.40	-4.64	-4.46	0.840	4.950	5.00	Pass
209	6995	-4.47	-4.56	-4.35	-4.59	0.880	4.990	5.00	Pass
229	7095	-4.47	-4.43	-4.72	-4.98	0.840	4.950	5.00	Pass

802.11ax (40MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
35	6125	-5.84	-6.05	-6.89	-6.05	-0.920	4.820	5.00	Pass
59	6245	-6.09	-6.53	-6.70	-6.32	-1.030	4.710	5.00	Pass
91	6405	-6.29	-5.66	-6.41	-6.21	-0.770	4.970	5.00	Pass
99	6445	-5.22	-4.79	-5.33	-5.37	0.090	4.670	5.00	Pass
107	6485	-5.17	-4.83	-4.88	-5.33	0.210	4.790	5.00	Pass
115_L	6525	-4.96	-5.20	-4.59	-5.20	0.370	4.950	5.00	Pass
115_R	6525	-4.56	-4.46	-3.94	-5.49	0.850	4.670	5.00	Pass
123	6565	-4.66	-4.20	-4.39	-4.53	0.950	4.770	5.00	Pass
155	6725	-4.19	-4.22	-4.58	-4.31	1.080	4.900	5.00	Pass
179	6845	-4.32	-3.85	-4.70	-4.63	1.110	4.930	5.00	Pass
187_L	6885	-6.12	-5.50	-6.18	-6.33	-0.290	3.530	5.00	Pass
187_R	6885	-4.76	-4.17	-5.30	-4.31	0.840	4.950	5.00	Pass
195	6925	-4.40	-4.73	-5.02	-5.04	0.590	4.700	5.00	Pass
211	7005	-4.38	-4.47	-4.87	-4.67	0.860	4.970	5.00	Pass
227	7085	-4.29	-4.70	-3.91	-5.38	0.850	4.960	5.00	Pass

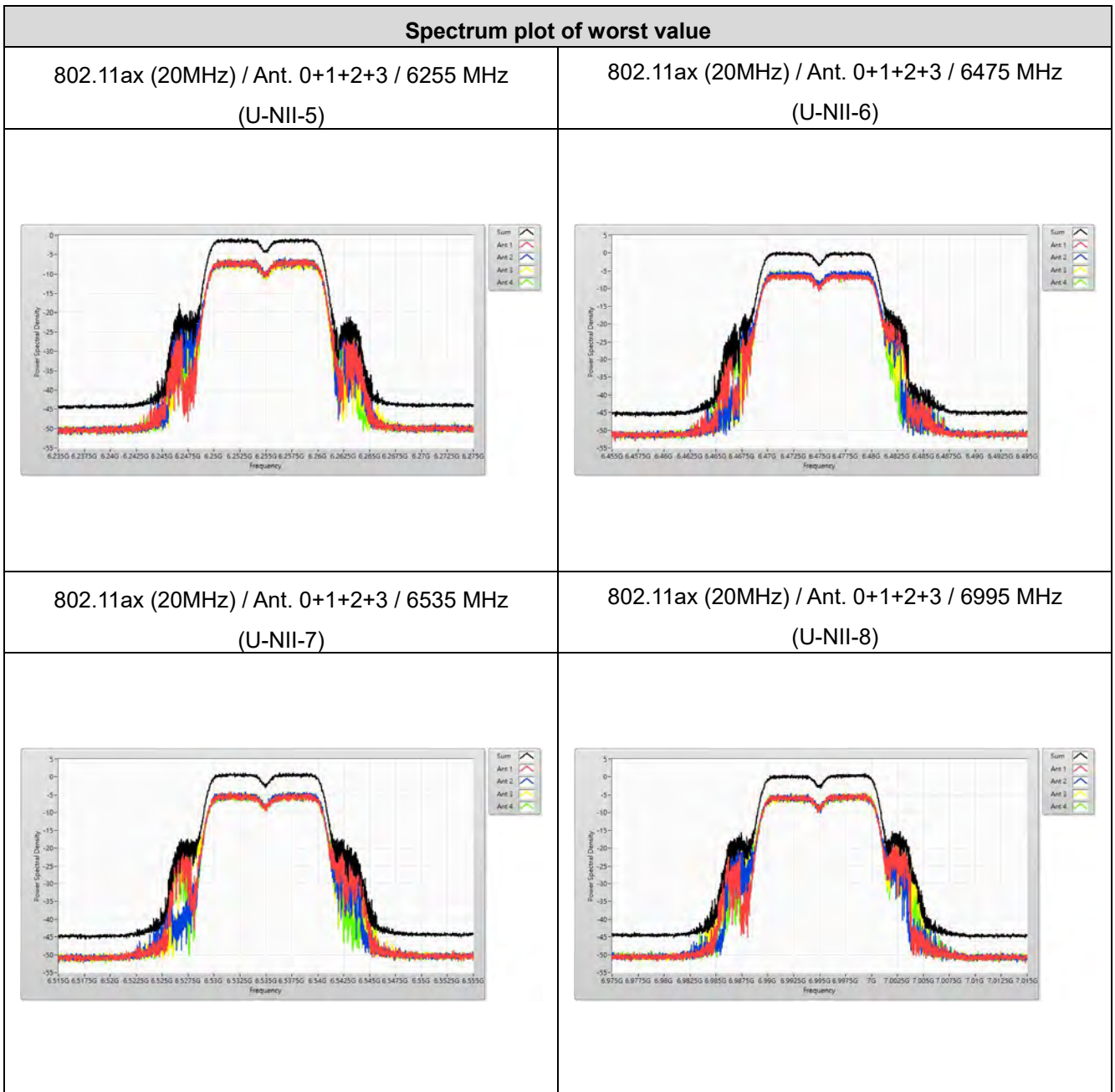
## 802.11ax (80MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
39	6145	-6.28	-7.14	-6.02	-6.62	-1.160	4.580	5.00	Pass
55	6225	-5.87	-6.39	-6.40	-6.12	-0.830	4.910	5.00	Pass
87	6385	-5.96	-6.18	-6.42	-5.42	-0.870	4.870	5.00	Pass
103	6465	-5.07	-5.24	-5.17	-5.25	0.150	4.730	5.00	Pass
119_L	6545	-5.09	-4.95	-4.92	-4.91	0.400	4.980	5.00	Pass
119_R	6545	-4.06	-4.36	-3.84	-4.47	1.130	4.950	5.00	Pass
135	6625	-4.41	-4.83	-4.60	-4.65	0.830	4.650	5.00	Pass
151	6705	-4.20	-4.28	-4.31	-4.14	1.080	4.900	5.00	Pass
167	6785	-4.15	-4.49	-3.97	-4.19	1.190	5.010	5.00	Pass
183_L	6865	-5.53	-5.32	-5.41	-4.53	0.220	4.040	5.00	Pass
183_R	6865	-4.70	-4.75	-5.18	-4.26	0.800	4.910	5.00	Pass
199	6945	-4.31	-4.97	-4.96	-4.41	0.590	4.700	5.00	Pass
215	7025	-4.45	-4.63	-4.44	-4.63	0.760	4.870	5.00	Pass

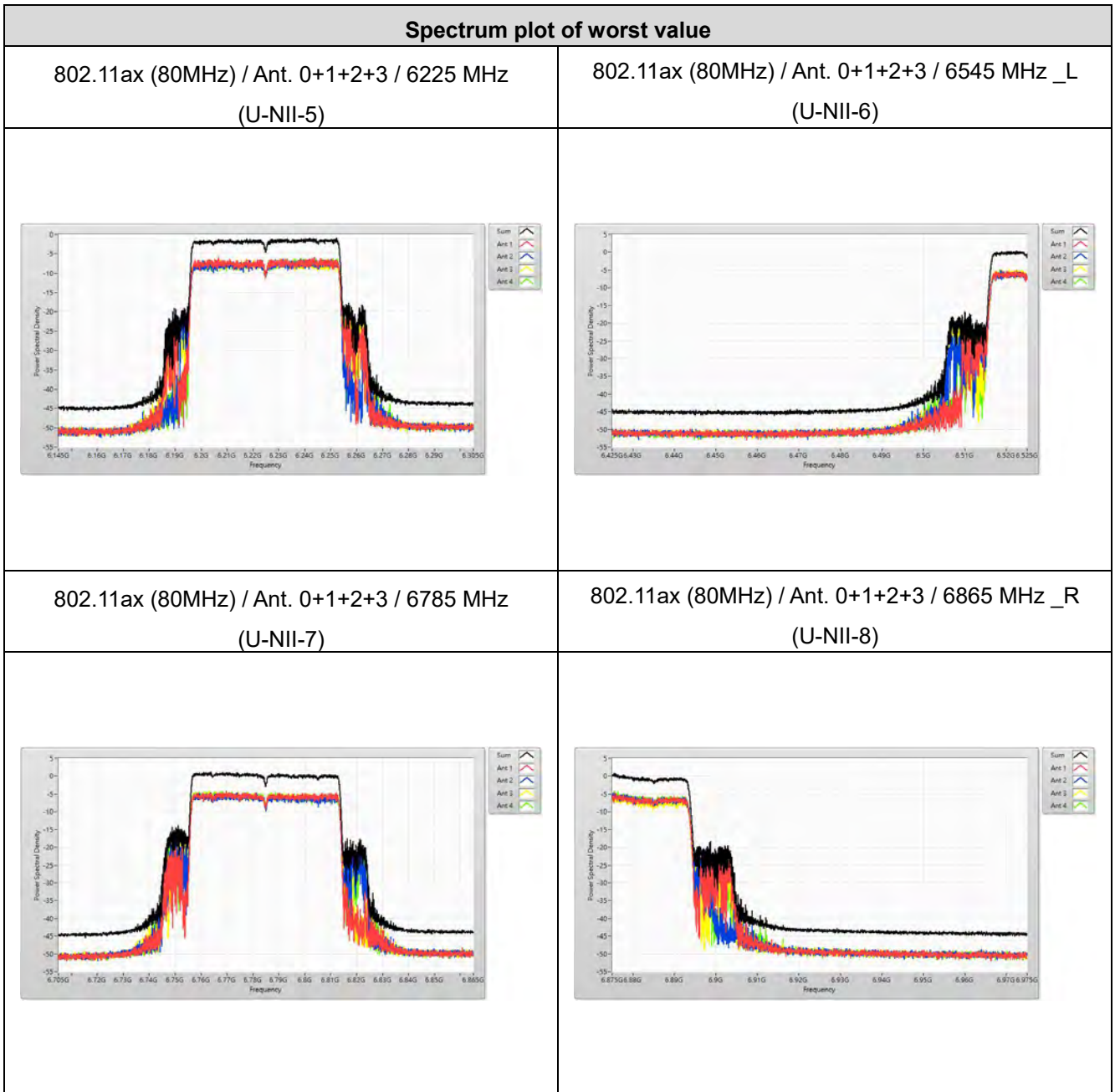
## 802.11ax (160MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
47	6185	-6.92	-5.64	-5.57	-6.11	-0.98	4.760	5.00	Pass
79	6345	-6.39	-6.77	-5.78	-5.30	-0.84	4.900	5.00	Pass
111_L	6505	-4.73	-4.91	-4.97	-5.05	0.23	4.810	5.00	Pass
111_R	6505	-4.36	4.91	-4.80	-5.96	0.27	4.090	5.00	Pass
143	6665	-3.82	-3.67	-3.75	-3.73	1.16	4.980	5.00	Pass
175_L	6825	-3.50	-4.37	-4.18	-3.83	0.95	4.770	5.00	Pass
175_R	6825	-13.08	-15.02	-14.47	-14.41	-10.41	-6.300	5.00	Pass
207	6985	-4.21	-4.08	-4.60	-4.05	0.85	4.960	5.00	Pass





<b>Spectrum plot of worst value</b>	
<p>802.11ax (40MHz) / Ant. 0+1+2+3 / 6405 MHz (U-NII-5)</p>	<p>802.11ax (40MHz) / Ant. 0+1+2+3 / 6525 MHz_L (U-NII-6)</p>
<p>802.11ax (40MHz) / Ant. 0+1+2+3 / 6845 MHz (U-NII-7)</p>	<p>802.11ax (40MHz) / Ant. 0+1+2+3 / 7005 MHz (U-NII-8)</p>



<b>Spectrum plot of worst value</b>	
<p>802.11ax (160MHz) / Ant. 0+1+2+3 / 6345 MHz (U-NII-5)</p>	<p>802.11ax (160MHz) / Ant. 0+1+2+3 / 6505 MHz_L (U-NII-6)</p>
<p>802.11ax (160MHz) / Ant. 0+1+2+3 / 6665 MHz (U-NII-7)</p>	<p>802.11ax (160MHz) / Ant. 0+1+2+3 / 6985 MHz (U-NII-8)</p>



Non-beamforming mode for RU-Edge

802.11ax (20 MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
33	6115	-5.94	-6.85	-6.50	-6.25	-1.080	4.660	5.00	Pass
61	6255	-6.30	-5.97	-6.60	-6.60	-0.880	4.860	5.00	Pass
93	6415	-6.62	-6.08	-7.00	-6.37	-1.100	4.640	5.00	Pass
97	6435	-4.97	-4.39	-4.83	-4.73	0.400	4.980	5.00	Pass
105	6475	-5.72	-4.85	-5.09	-4.74	0.340	4.920	5.00	Pass
113	6515	-5.04	-4.54	-4.69	-5.19	0.350	4.930	5.00	Pass
117	6535	-4.83	-4.24	-4.54	-4.71	0.880	4.700	5.00	Pass
149	6695	-4.52	-5.08	-4.77	-4.47	0.780	4.600	5.00	Pass
181	6855	-4.83	-3.55	-4.52	-3.63	0.990	4.810	5.00	Pass
185_L	6875	-4.85	-3.92	-5.49	-4.19	0.870	4.690	5.00	Pass
185_R	6875	-4.99	-4.49	-5.12	-4.34	0.720	4.830	5.00	Pass
189	6895	-4.70	-4.01	-4.67	-4.67	0.850	4.960	5.00	Pass
209	6995	-4.30	-4.61	-4.40	-4.05	0.790	4.900	5.00	Pass
229	7095	-4.18	-4.22	-4.76	-4.36	0.740	4.850	5.00	Pass

802.11ax (40MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
35	6125	-5.93	-6.39	-6.67	-5.08	-0.790	4.950	5.00	Pass
59	6245	-6.51	-6.02	-6.54	-6.56	-1.050	4.690	5.00	Pass
91	6405	-6.78	-6.18	-6.61	-6.36	-1.100	4.640	5.00	Pass
99	6445	-5.18	-5.17	-5.37	-5.08	0.120	4.700	5.00	Pass
107	6485	-5.36	-5.09	-4.71	-5.35	0.280	4.860	5.00	Pass
115_L	6525	-4.80	-5.03	-4.57	-5.95	0.240	4.820	5.00	Pass
115_R	6525	-5.47	-5.41	-5.33	-6.12	-0.100	3.720	5.00	Pass
123	6565	-4.22	-4.40	-4.45	-4.50	0.920	4.740	5.00	Pass
155	6725	-4.07	-4.28	-4.53	-4.24	1.160	4.980	5.00	Pass
179	6845	-4.39	-3.92	-4.33	-4.57	0.900	4.720	5.00	Pass
187_L	6885	-5.72	-5.59	-6.14	-5.67	-0.170	3.650	5.00	Pass
187_R	6885	-5.01	-4.19	-5.26	-5.04	0.790	4.900	5.00	Pass
195	6925	-5.07	-4.01	-4.80	-4.81	0.550	4.660	5.00	Pass
211	7005	-4.48	-4.19	-4.16	-4.15	0.850	4.960	5.00	Pass
227	7085	-4.85	-4.35	-3.88	-4.90	0.870	4.980	5.00	Pass

## 802.11ax (80MHz)

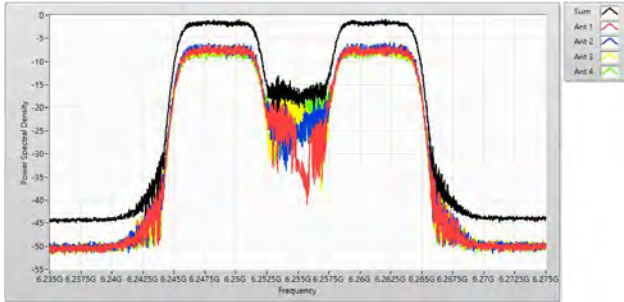
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
39	6145	-5.25	-6.15	-6.82	-6.21	-1.050	4.690	5.00	Pass
55	6225	-6.62	-6.11	-6.33	-5.80	-0.890	4.850	5.00	Pass
87	6385	-6.34	-6.39	-6.76	-6.13	-1.120	4.620	5.00	Pass
103	6465	-5.09	-4.44	-4.95	-4.15	0.330	4.910	5.00	Pass
119_L	6545	-4.90	-5.49	-4.23	-4.98	0.400	4.980	5.00	Pass
119_R	6545	-4.83	-4.31	-4.64	-4.67	0.450	4.270	5.00	Pass
135	6625	-4.16	-4.09	-3.96	-4.22	1.110	4.930	5.00	Pass
151	6705	-4.05	-4.09	-3.67	-3.37	1.160	4.980	5.00	Pass
167	6785	-4.16	-4.73	-3.35	-4.04	1.030	4.850	5.00	Pass
183_L	6865	-3.59	-3.94	-4.26	-4.71	0.990	4.810	5.00	Pass
183_R	6865	-4.77	-3.86	-5.94	-4.73	0.340	4.450	5.00	Pass
199	6945	-4.94	-4.16	-4.33	-4.36	0.740	4.850	5.00	Pass
215	7025	-3.80	-3.96	-3.58	-4.78	0.870	4.980	5.00	Pass

## 802.11ax (160MHz)

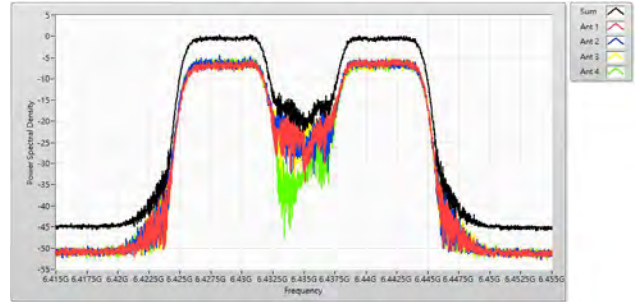
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
47	6185	-6.43	-5.89	-6.54	-5.87	-1.08	4.660	5.00	Pass
79	6345	-5.45	-6.05	-5.87	-5.93	-0.83	4.910	5.00	Pass
111_L	6505	-4.67	-5.68	-4.51	-5.25	0.25	4.830	5.00	Pass
111_R	6505	-4.58	-5.02	-5.33	-6.12	-0.32	3.500	5.00	Pass
143	6665	-3.06	-4.14	-4.31	-4.31	1.04	4.860	5.00	Pass
175_L	6825	-4.62	-4.50	-3.75	-3.44	1.17	4.990	5.00	Pass
175_R	6825	-4.26	-5.68	-6.53	-4.60	0.13	4.240	5.00	Pass
207	6985	-4.41	-3.54	-4.31	-4.32	0.60	4.710	5.00	Pass

**Spectrum plot of worst value**

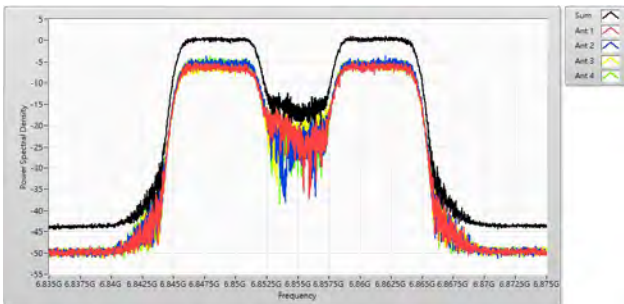
802.11ax (20MHz) / Ant. 0+1+2+3 / 6255 MHz  
(U-NII-5)



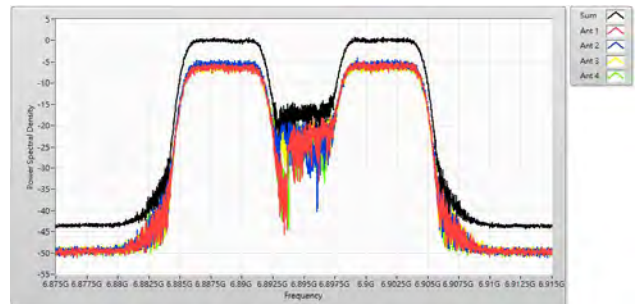
802.11ax (20MHz) / Ant. 0+1+2+3 / 6435 MHz  
(U-NII-6)

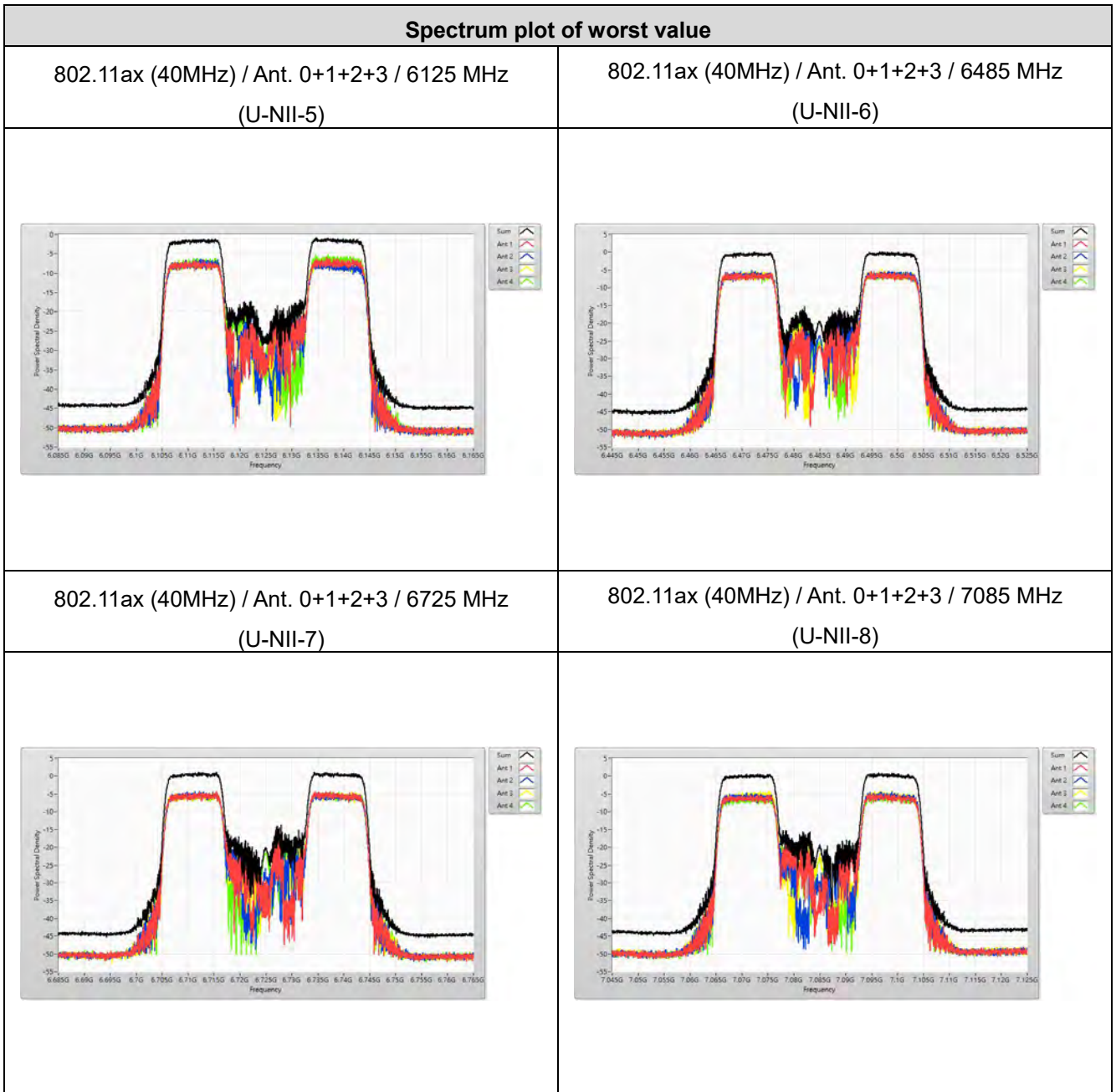


802.11ax (20MHz) / Ant. 0+1+2+3 / 6855 MHz  
(U-NII-7)



802.11ax (20MHz) / Ant. 0+1+2+3 / 6895 MHz  
(U-NII-8)

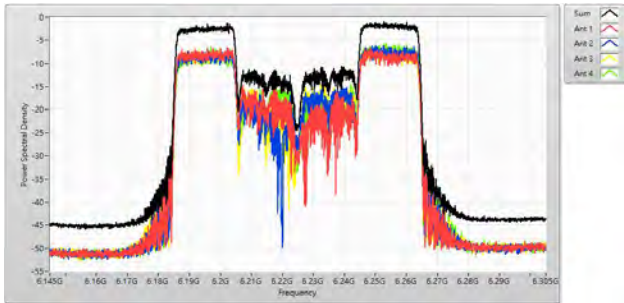




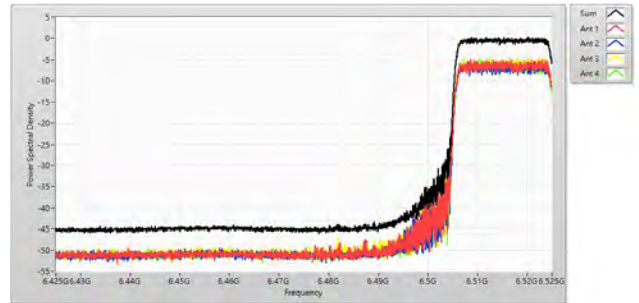


**Spectrum plot of worst value**

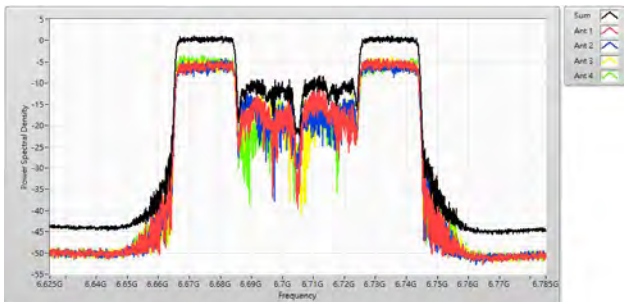
802.11ax (80MHz) / Ant. 0+1+2+3 / 6225 MHz  
(U-NII-5)



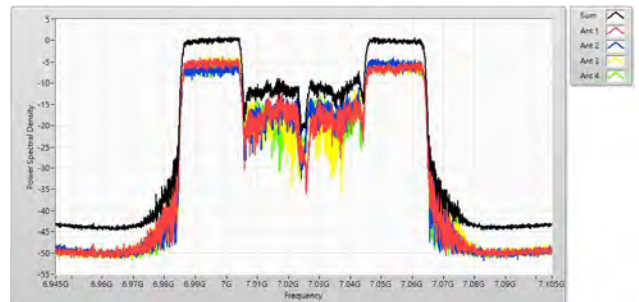
802.11ax (80MHz) / Ant. 0+1+2+3 / 6545 MHz\_L  
(U-NII-6)



802.11ax (80MHz) / Ant. 0+1+2+3 / 6705 MHz  
(U-NII-7)

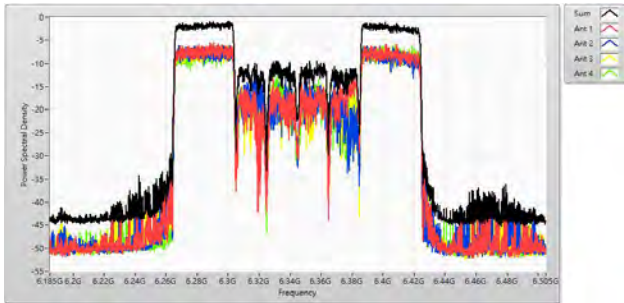


802.11ax (80MHz) / Ant. 0+1+2+3 / 7025 MHz  
(U-NII-8)

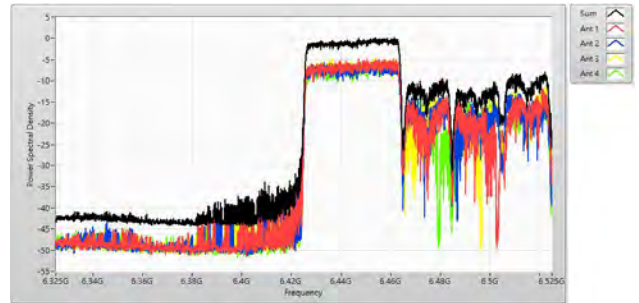


**Spectrum plot of worst value**

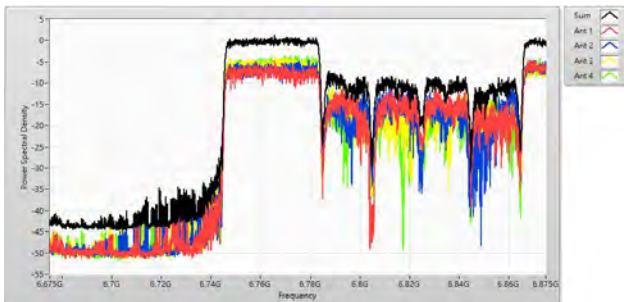
802.11ax (160MHz) / Ant. 0+1+2+3 / 6345 MHz  
(U-NII-5)



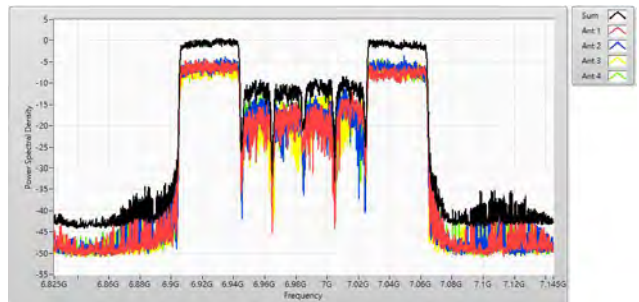
802.11ax (160MHz) / Ant. 0+1+2+3 / 6505 MHz\_L  
(U-NII-6)



802.11ax (160MHz) / Ant. 0+1+2+3 / 6825 MHz\_L  
(U-NII-7)



802.11ax (160MHz) / Ant. 0+1+2+3 / 6985 MHz  
(U-NII-8)



Beamforming mode

802.11ax (20 MHz)

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
33	6115	-6.43	-6.10	-6.27	-5.84	-0.780	4.960	5.00	Pass
61	6255	-6.42	-6.47	-7.12	-6.67	-1.060	4.680	5.00	Pass
93	6415	-6.74	-6.48	-6.57	-6.38	-1.080	4.660	5.00	Pass
97	6435	-5.88	-5.49	-5.12	-5.26	0.050	4.630	5.00	Pass
105	6475	-5.67	-4.71	-5.12	-5.23	0.390	4.970	5.00	Pass
113	6515	-5.08	-5.08	-5.23	-5.03	0.410	4.990	5.00	Pass
117	6535	-4.07	-4.02	-4.18	-4.80	1.160	4.980	5.00	Pass
149	6695	-4.23	-4.46	-4.23	-4.08	1.140	4.960	5.00	Pass
181	6855	-4.90	-4.16	-4.86	-4.24	1.070	4.890	5.00	Pass
185_L	6875	-4.97	-3.93	-5.01	-4.24	0.840	4.660	5.00	Pass
185_R	6875	-4.65	-4.09	-5.12	-3.99	0.870	4.980	5.00	Pass
189	6895	-4.93	-4.37	-4.53	-4.35	0.770	4.880	5.00	Pass
209	6995	-4.44	-4.72	-4.50	-4.46	0.870	4.980	5.00	Pass
229	7095	-4.46	-4.62	-4.67	-4.84	0.810	4.920	5.00	Pass

802.11ax (40MHz)

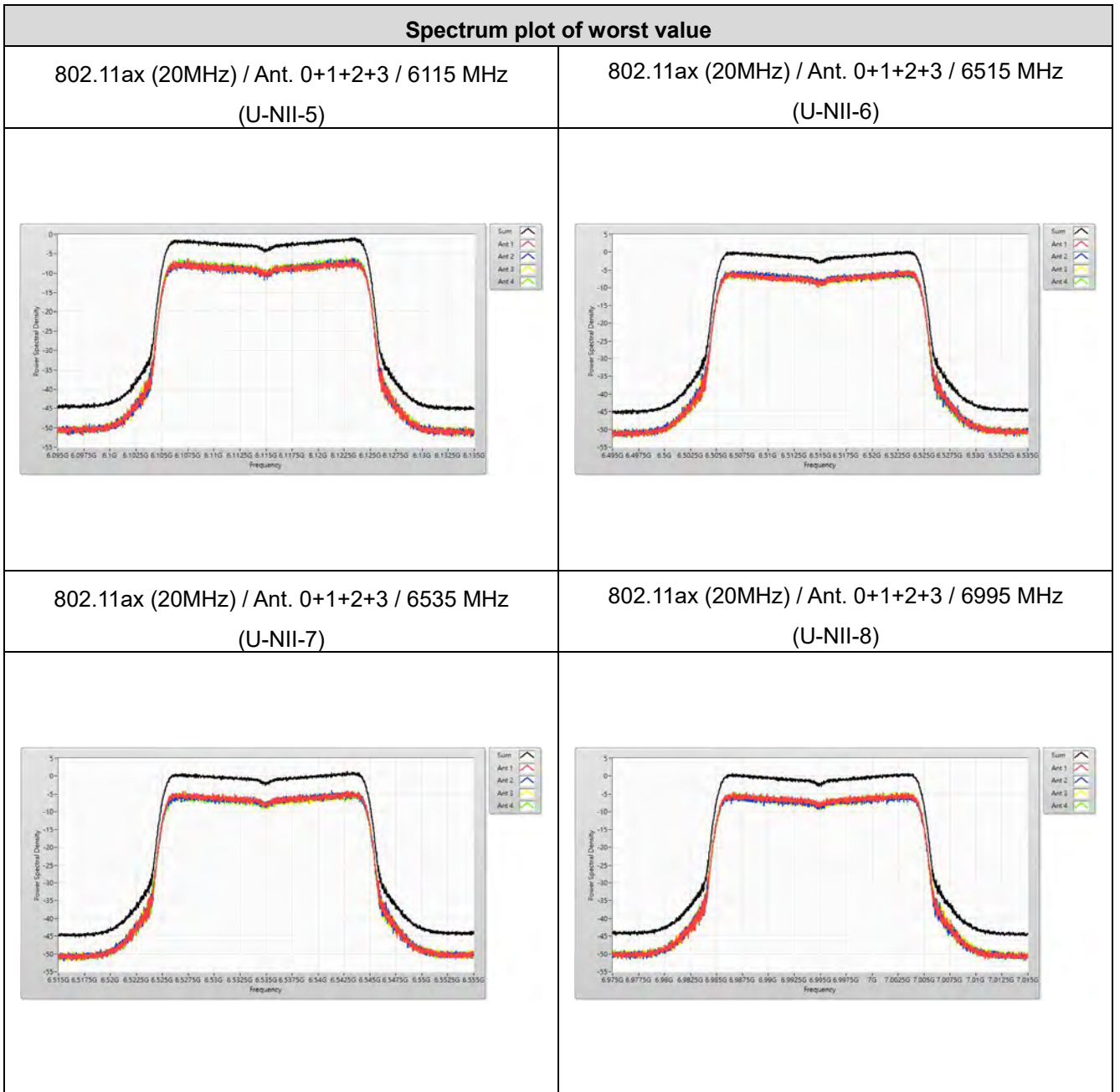
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
35	6125	-6.20	-6.14	-6.25	-6.89	-0.900	4.840	5.00	Pass
59	6245	-5.21	-5.84	-6.62	-6.34	-0.750	4.990	5.00	Pass
91	6405	-6.29	-6.06	-6.48	-6.45	-1.030	4.710	5.00	Pass
99	6445	-5.45	-4.74	-5.27	-5.22	0.200	4.780	5.00	Pass
107	6485	-5.18	-5.26	-5.24	-5.58	0.160	4.740	5.00	Pass
115_L	6525	-5.25	-5.37	-4.92	-5.84	0.130	4.710	5.00	Pass
115_R	6525	-4.21	-4.71	-4.01	-5.01	0.880	4.700	5.00	Pass
123	6565	-4.08	-3.96	-4.72	-4.32	1.120	4.940	5.00	Pass
155	6725	-4.23	-4.57	-4.37	-4.49	0.980	4.800	5.00	Pass
179	6845	-4.26	-4.20	-4.69	-3.98	1.060	4.880	5.00	Pass
187_L	6885	-5.92	-5.04	-5.97	-5.68	-0.180	3.640	5.00	Pass
187_R	6885	-4.67	-4.73	-4.92	-4.68	0.800	4.910	5.00	Pass
195	6925	-3.89	-4.54	-4.71	-4.37	0.820	4.930	5.00	Pass
211	7005	-4.45	-4.71	-5.02	-5.05	0.630	4.740	5.00	Pass
227	7085	-4.52	-5.05	-4.39	-5.36	0.680	4.790	5.00	Pass

## 802.11ax (80MHz)

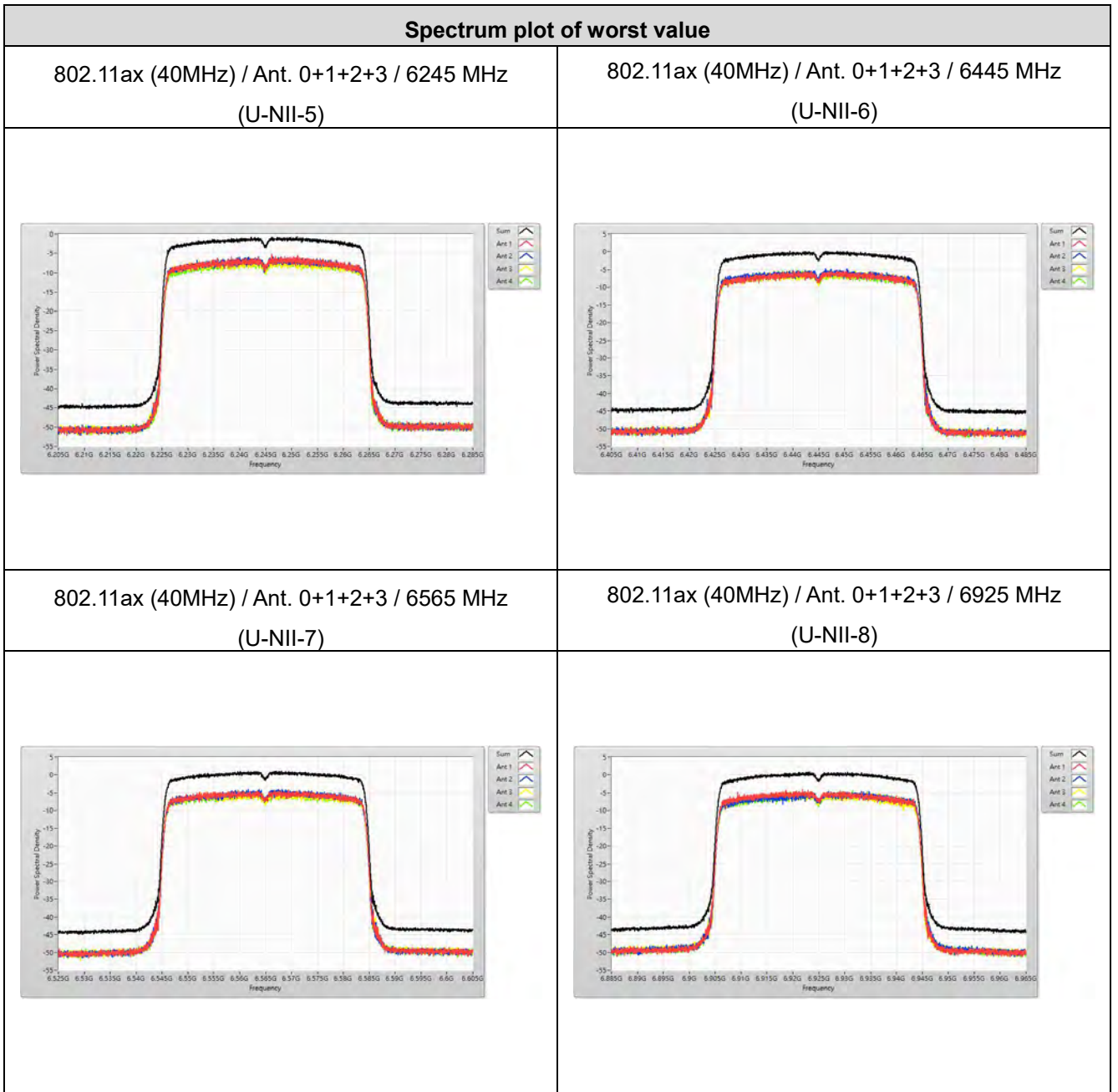
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
39	6145	-6.10	-6.19	-5.61	-6.41	-0.770	4.970	5.00	Pass
55	6225	-6.47	-6.27	-6.45	-6.52	-0.910	4.830	5.00	Pass
87	6385	-6.46	-6.47	-6.34	-6.22	-0.970	4.770	5.00	Pass
103	6465	-5.32	-5.13	-5.11	-5.40	0.130	4.710	5.00	Pass
119_L	6545	-5.27	-5.27	-4.72	-5.35	0.340	4.920	5.00	Pass
119_R	6545	-3.95	-4.29	-4.00	-4.52	1.090	4.910	5.00	Pass
135	6625	-4.12	-4.53	-4.37	-4.52	1.160	4.980	5.00	Pass
151	6705	-4.37	-4.70	-4.37	-4.38	0.920	4.740	5.00	Pass
167	6785	-4.70	-4.66	-4.37	-4.31	0.850	4.670	5.00	Pass
183_L	6865	-5.22	-4.93	-5.37	-4.65	0.310	4.130	5.00	Pass
183_R	6865	-4.28	-4.79	-5.28	-4.79	0.840	4.950	5.00	Pass
199	6945	-4.61	-4.45	-5.17	-4.55	0.600	4.710	5.00	Pass
215	7025	-5.14	-4.72	-4.59	-4.90	0.590	4.700	5.00	Pass

## 802.11ax (160MHz)

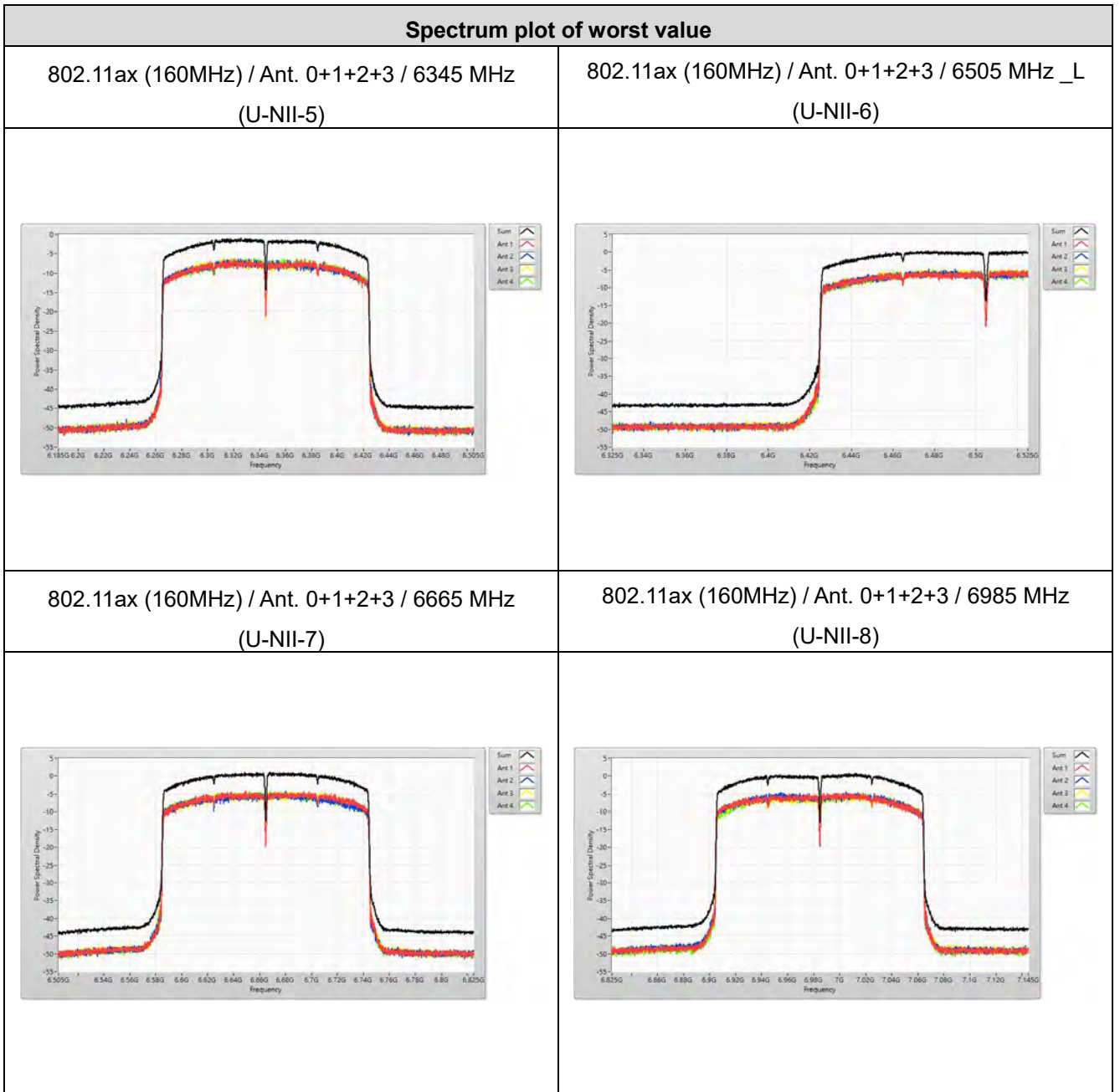
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)					EIRP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant. 0	Ant. 1	Ant. 2	Ant. 3	Total			
47	6185	-6.21	-6.39	-6.43	-6.09	-0.99	4.750	5.00	Pass
79	6345	-6.37	-6.32	-6.21	-6.08	-0.88	4.860	5.00	Pass
111_L	6505	-5.02	-4.74	-4.66	-4.91	0.39	4.970	5.00	Pass
111_R	6505	-4.64	-4.72	-4.59	-5.25	0.50	4.320	5.00	Pass
143	6665	-4.14	-4.03	-4.29	-4.13	1.12	4.940	5.00	Pass
175_L	6825	-4.14	-4.68	-4.58	-4.70	0.93	4.750	5.00	Pass
175_R	6825	-5.54	-5.88	-6.13	-5.99	-0.09	4.020	5.00	Pass
207	6985	-4.42	-4.36	-4.89	-4.88	0.85	4.960	5.00	Pass







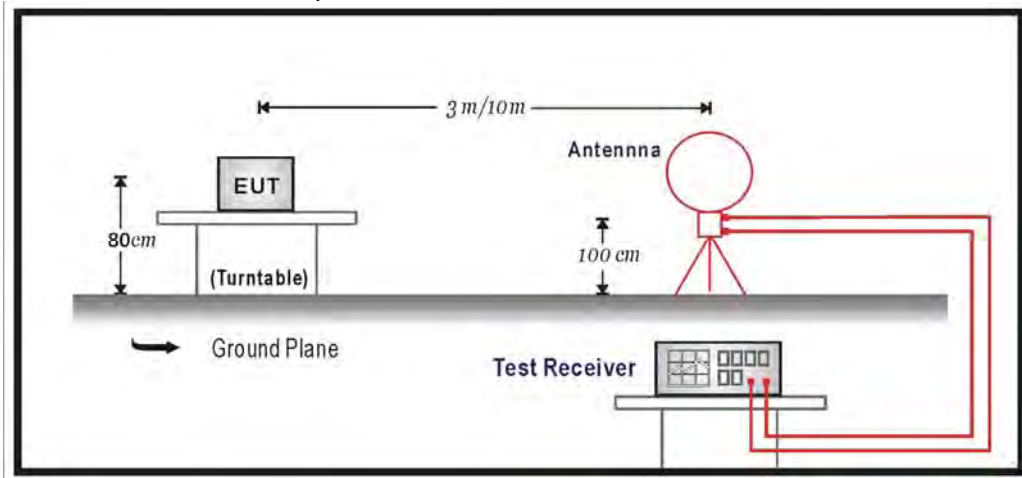
<b>Spectrum plot of worst value</b>	
<p>802.11ax (80MHz) / Ant. 0+1+2+3 / 6145 MHz (U-NII-5)</p>	<p>802.11ax (80MHz) / Ant. 0+1+2+3 / 6545 MHz_L (U-NII-6)</p>
<p>802.11ax (80MHz) / Ant. 0+1+2+3 / 6625 MHz (U-NII-7)</p>	<p>802.11ax (80MHz) / Ant. 0+1+2+3 / 6865 MHz_R (U-NII-8)</p>



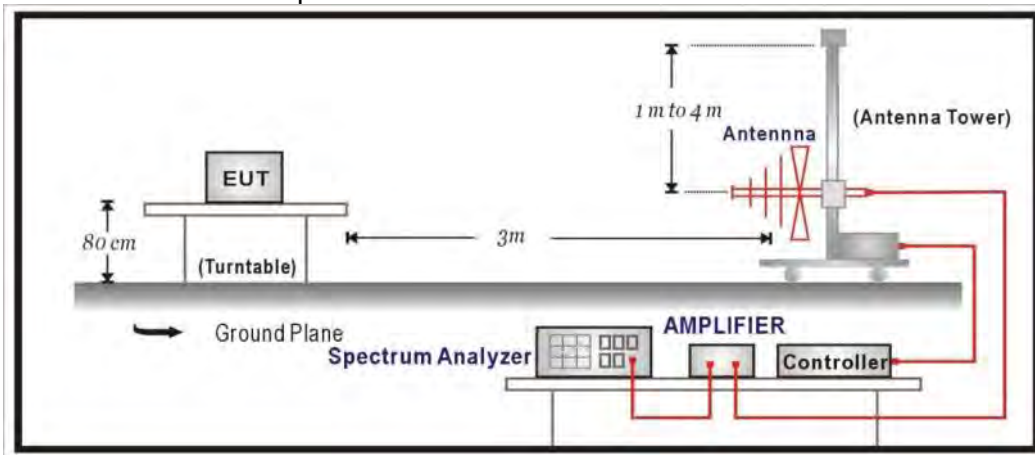
## 7. Radiated Emission

### 7.1. Test Setup

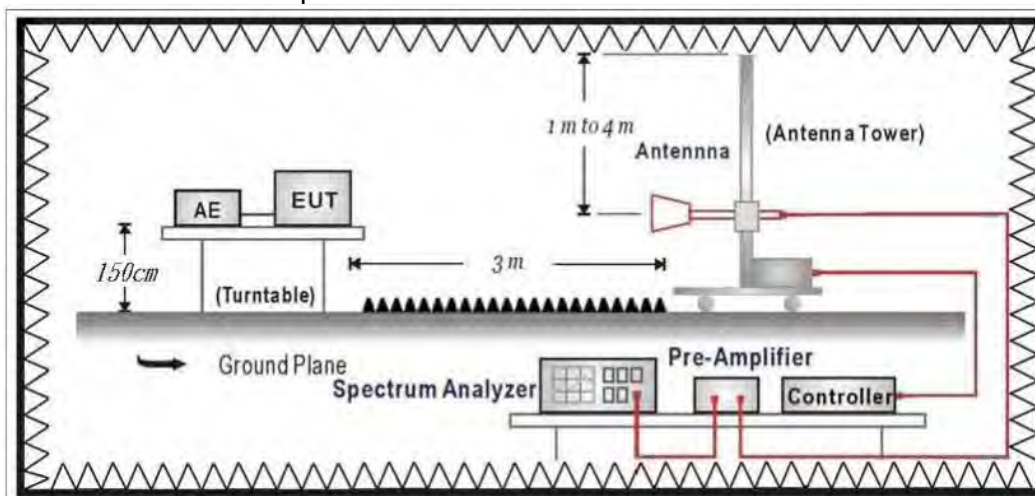
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



## 7.2. Limits

### General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC CFR Title 47 Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

### Unwanted Emission out of the restricted bands Limits

FCC CFR Title 47 Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength (dBuV/m@3m)
5925 MHz > F 7125 MHz	Peak: -7	88.2
	Average: -27	68.2

Remark:

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

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



### 7.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

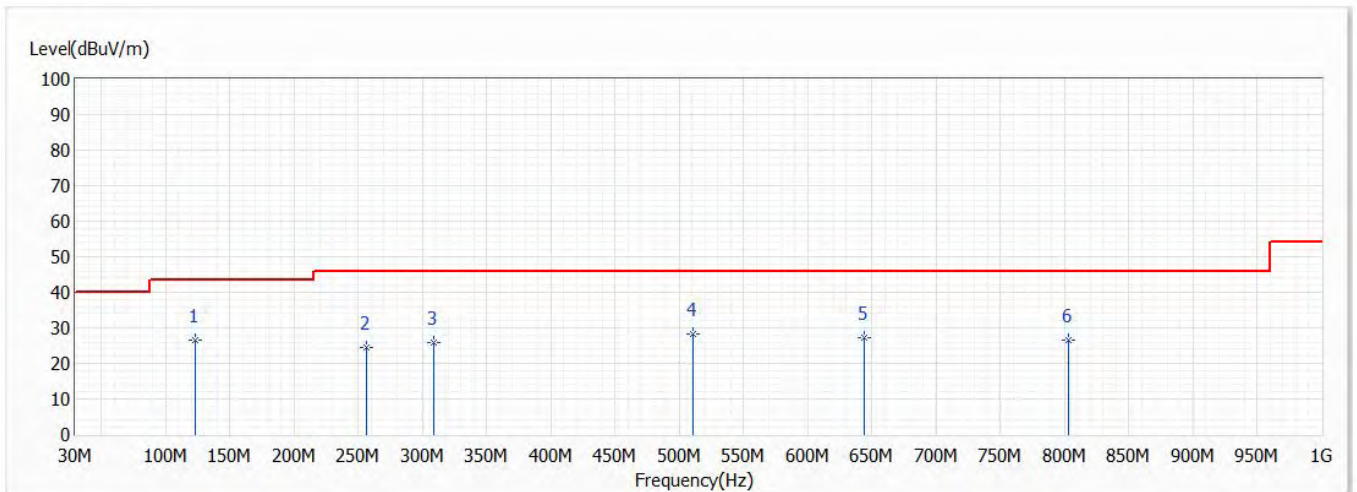
The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harmonics and included The frequency range from the lowest oscillator frequency generated within the device up to the 10th harmonic was checked is checked.

### 7.4. Test Result of Radiated Emissions (30MHz~1GHz)

Non-beamforming mode for RU-Full

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120/60Hz	Test Date	2021/3/23
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11ax,Ch207,6.985G,BW160M	Humidity (%RH)	58.0

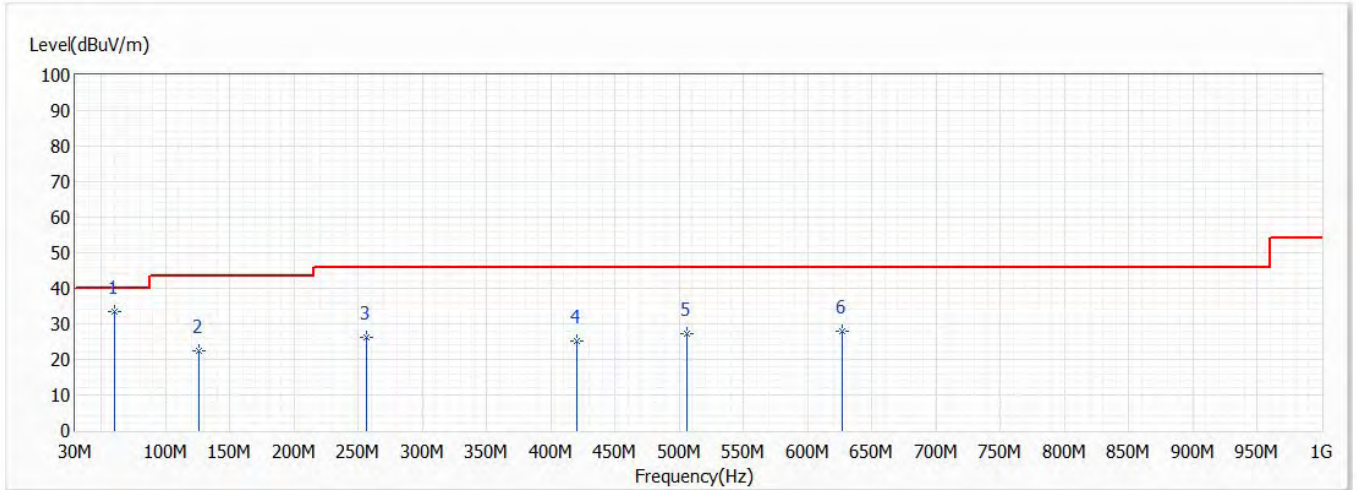


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	123.605	26.39	43.50	-17.11	30.08	-3.69	QP
2	256.495	24.64	46.00	-21.36	27.18	-2.54	QP
3	308.875	25.82	46.00	-20.18	27.90	-2.08	QP
4	510.635	28.11	46.00	-17.89	25.24	2.87	QP
5	643.525	27.37	46.00	-18.63	22.47	4.90	QP
6	803.090	26.64	46.00	-19.36	20.55	6.09	QP

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC120/60Hz	Test Date	2021/3/23
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11ax,Ch207,6.985G,BW160M	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	60.555	33.57	40.00	-6.43	42.77	-9.20	QP
2	126.515	22.58	43.50	-20.92	26.30	-3.72	QP
3	256.495	26.23	46.00	-19.77	28.77	-2.54	QP
4	420.425	25.11	46.00	-20.89	23.65	1.46	QP
5	506.270	27.09	46.00	-18.91	24.24	2.85	QP
6	627.035	27.85	46.00	-18.15	22.91	4.94	QP

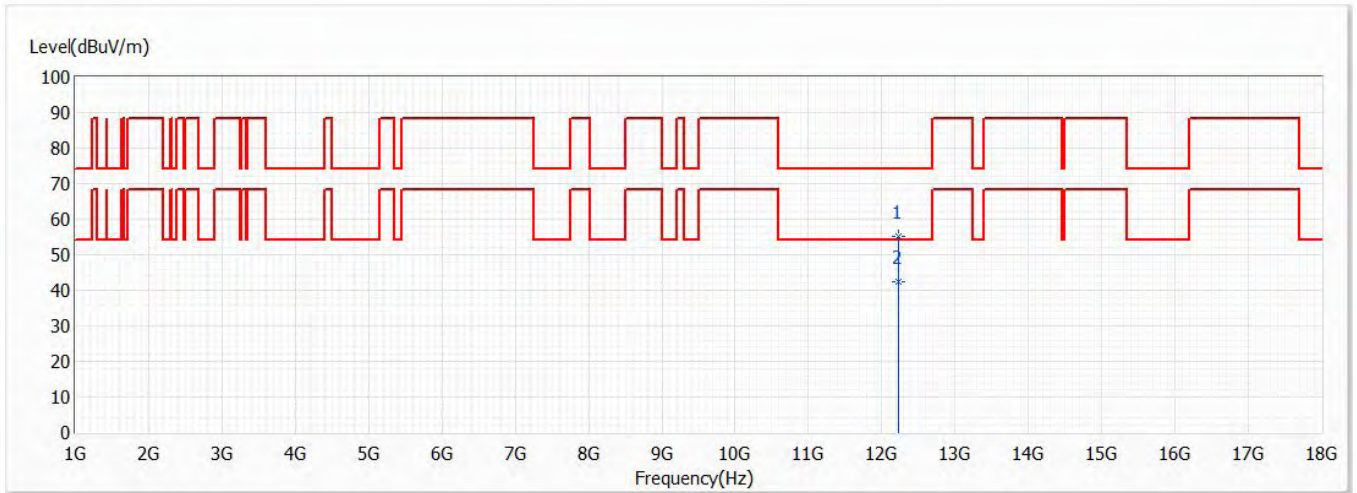
Note:

1. All Reading Levels is Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are too low.

### 7.5. Test Result of Radiated Emissions (1GHz~10th Harmonic)

Non-beamforming mode

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/15
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11a,6.115G,BW20M	Humidity (%RH)	58.0

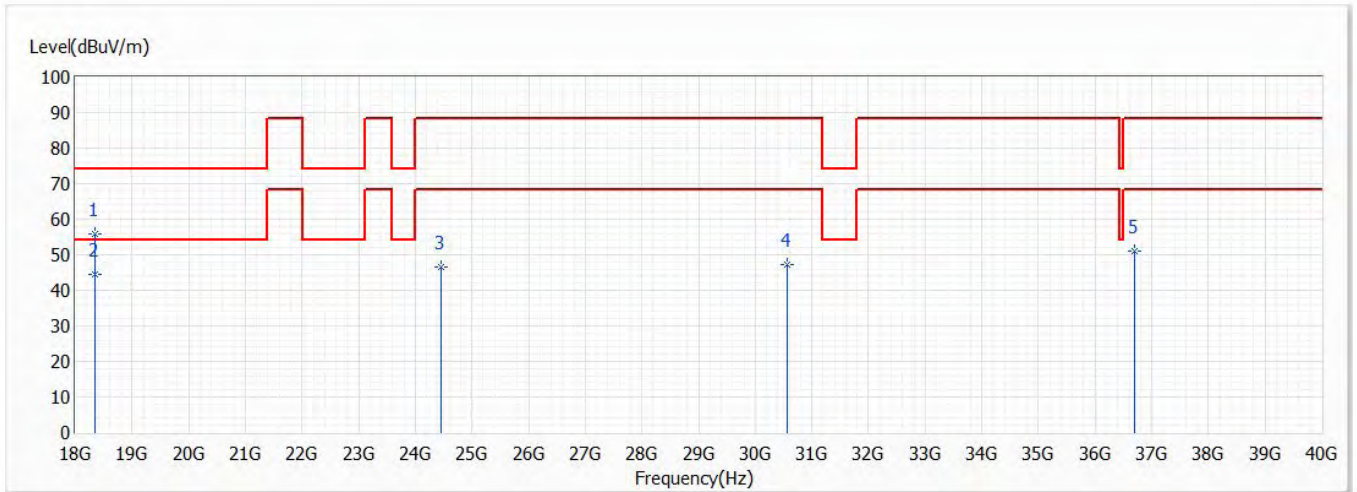


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	12230.000	55.34	74.00	-18.66	41.80	13.54	PK
* 2	12230.000	42.49	54.00	-11.51	28.95	13.54	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/19
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11a,Ch33,6.115G,BW20M	Humidity (%RH)	58.0



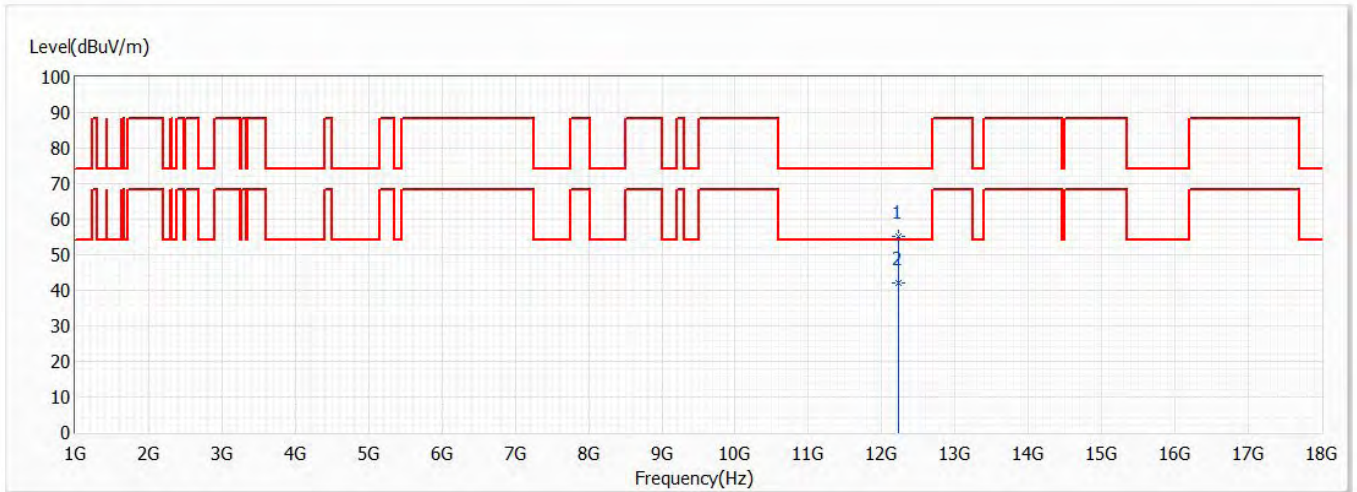
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	18345.000	55.77	74.00	-18.23	62.61	-6.84	PK
* 2	18345.000	44.36	54.00	-9.64	51.20	-6.84	AV
3	24460.000	46.45	88.20	-41.75	52.34	-5.89	PK
4	30575.000	47.13	88.20	-41.07	47.82	-0.69	PK
5	36690.000	50.93	88.20	-37.27	50.34	0.59	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/15
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11a,6.115G,BW20M	Humidity (%RH)	58.0

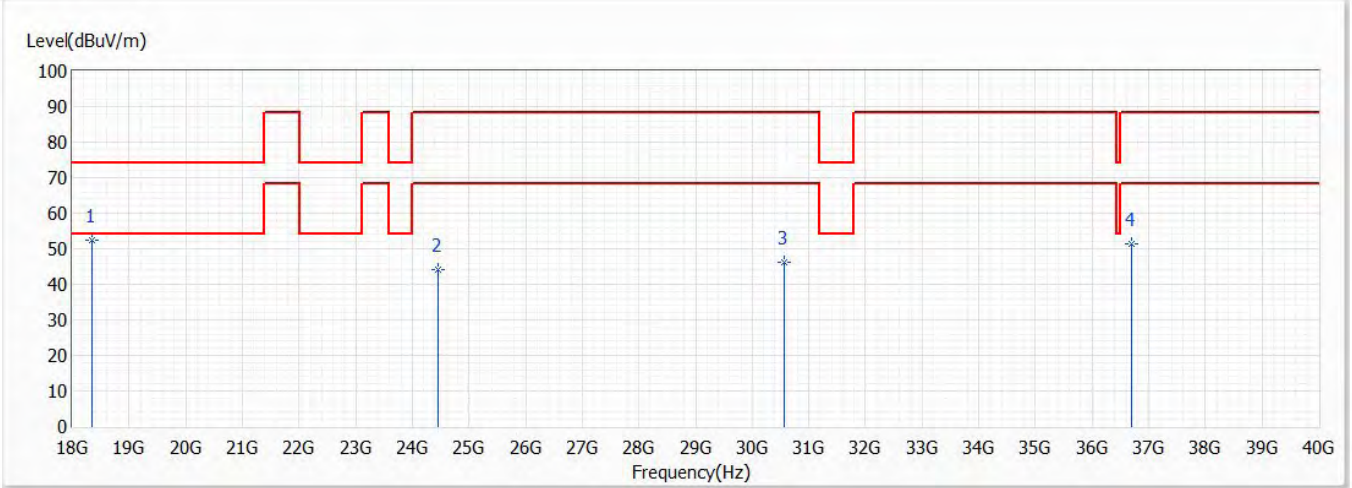


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	12230.000	55.32	74.00	-18.68	41.78	13.54	PK
* 2	12230.000	42.02	54.00	-11.98	28.48	13.54	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/19
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11a,Ch33,6.115G,BW20M	Humidity (%RH)	58.0

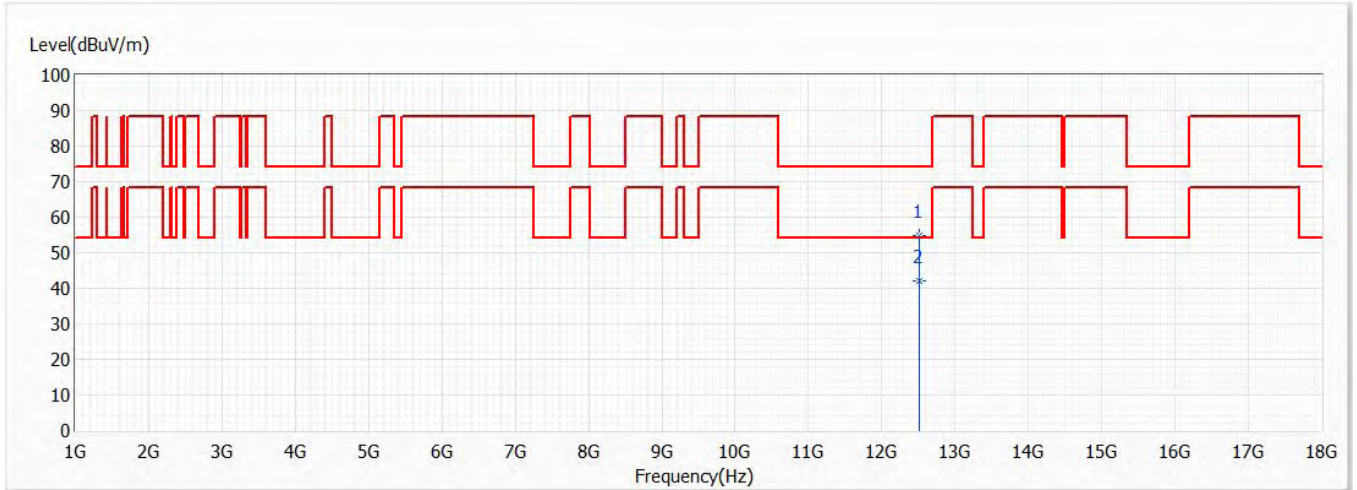


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	18345.000	52.38	74.00	-21.62	59.22	-6.84	PK
2	24460.000	44.26	88.20	-43.94	50.15	-5.89	PK
3	30575.000	46.12	88.20	-42.08	46.81	-0.69	PK
4	36690.000	51.24	88.20	-36.96	50.65	0.59	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/15
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11a,Ch61,6.255G,BW20M	Humidity (%RH)	58.0

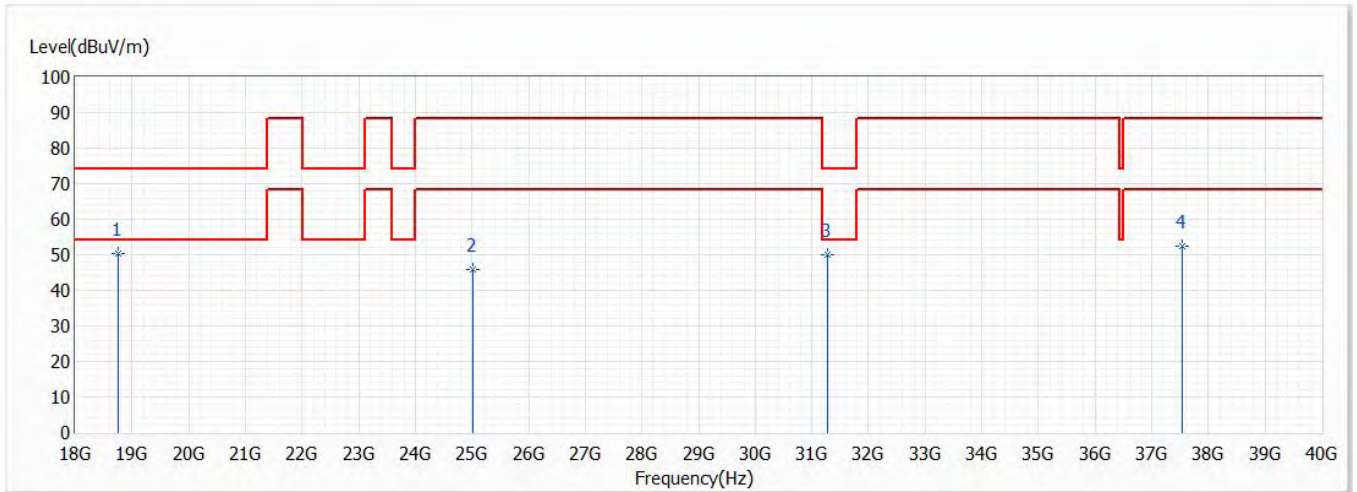


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	12510.000	54.82	74.00	-19.18	41.86	12.96	PK
* 2	12510.000	41.91	54.00	-12.09	28.95	12.96	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/19
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11a,Ch61,6.255G,BW20M	Humidity (%RH)	58.0

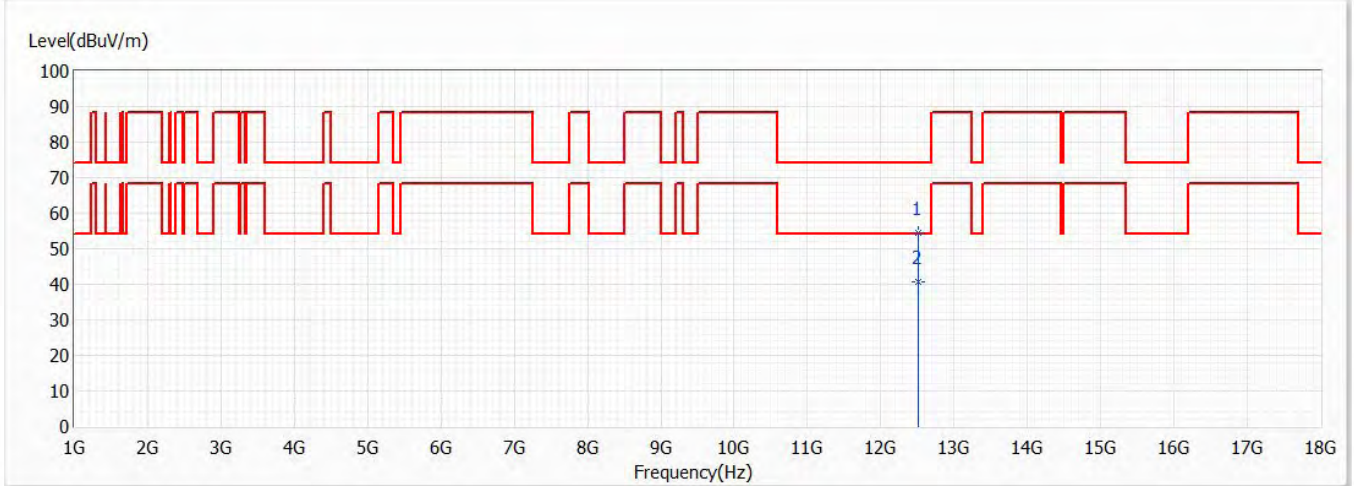


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	18765.000	50.27	74.00	-23.73	57.83	-7.56	PK
2	25020.000	45.72	88.20	-42.48	49.21	-3.49	PK
3	31275.000	49.93	74.00	-24.07	49.12	0.81	PK
4	37530.000	52.43	88.20	-35.77	50.33	2.10	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/15
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11a,Ch61,6.255G,BW20M	Humidity (%RH)	58.0



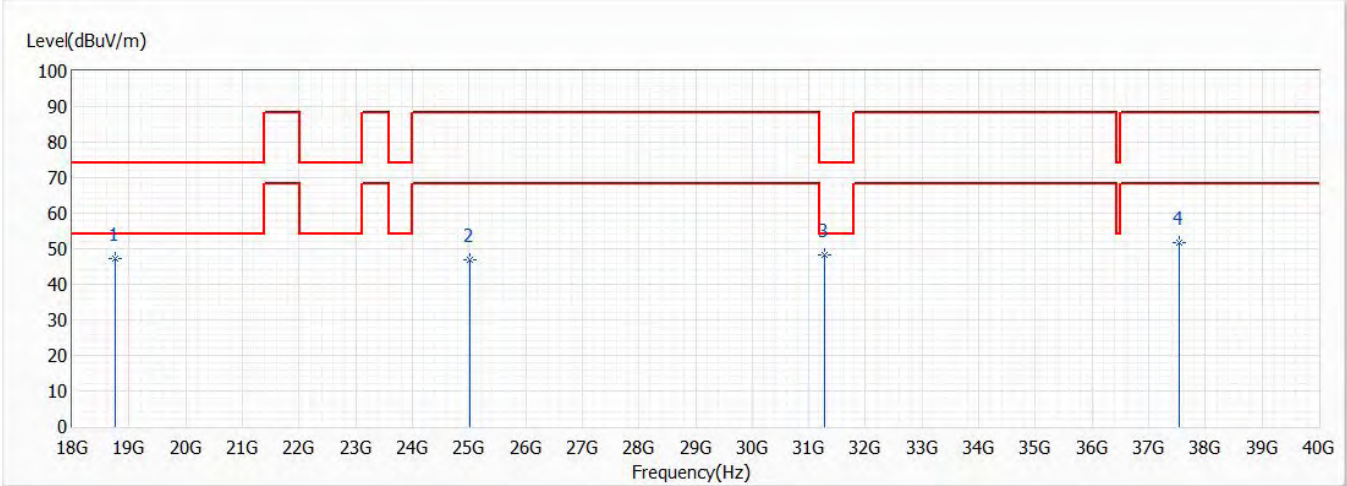
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	12510.000	54.50	74.00	-19.50	41.54	12.96	PK
* 2	12510.000	40.53	54.00	-13.47	27.57	12.96	AV

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.



Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/19
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11a,Ch61,6.255G,BW20M	Humidity (%RH)	58.0

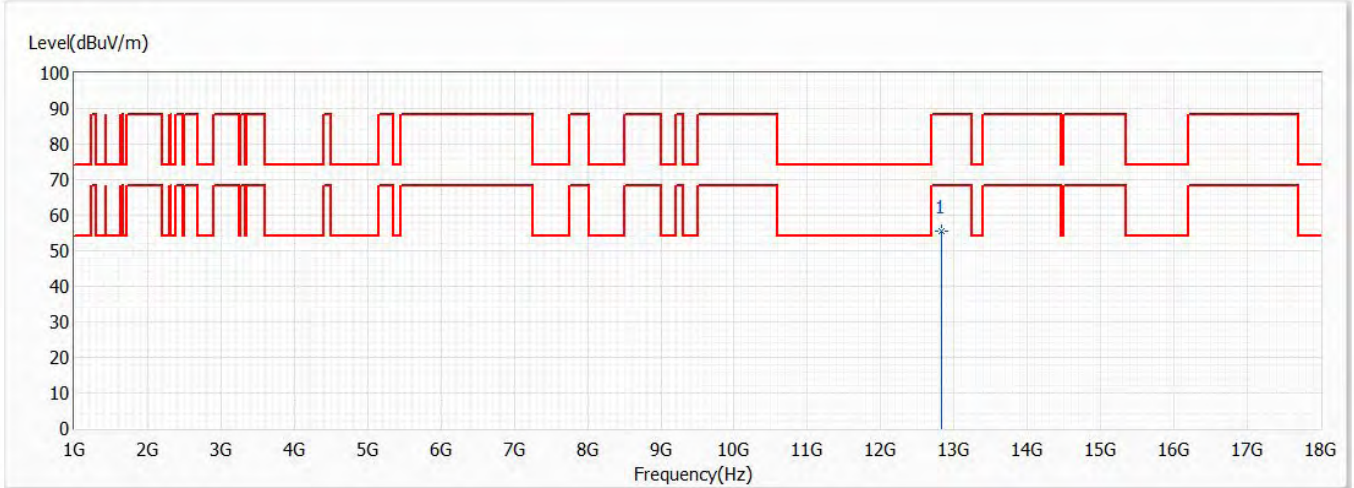


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	18765.000	47.11	74.00	-26.89	54.67	-7.56	PK
2	25020.000	46.99	88.20	-41.21	50.48	-3.49	PK
* 3	31275.000	48.38	74.00	-25.62	47.57	0.81	PK
4	37530.000	51.85	88.20	-36.35	49.75	2.10	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/15
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11a,Ch93,6.415G,BW20M	Humidity (%RH)	58.0

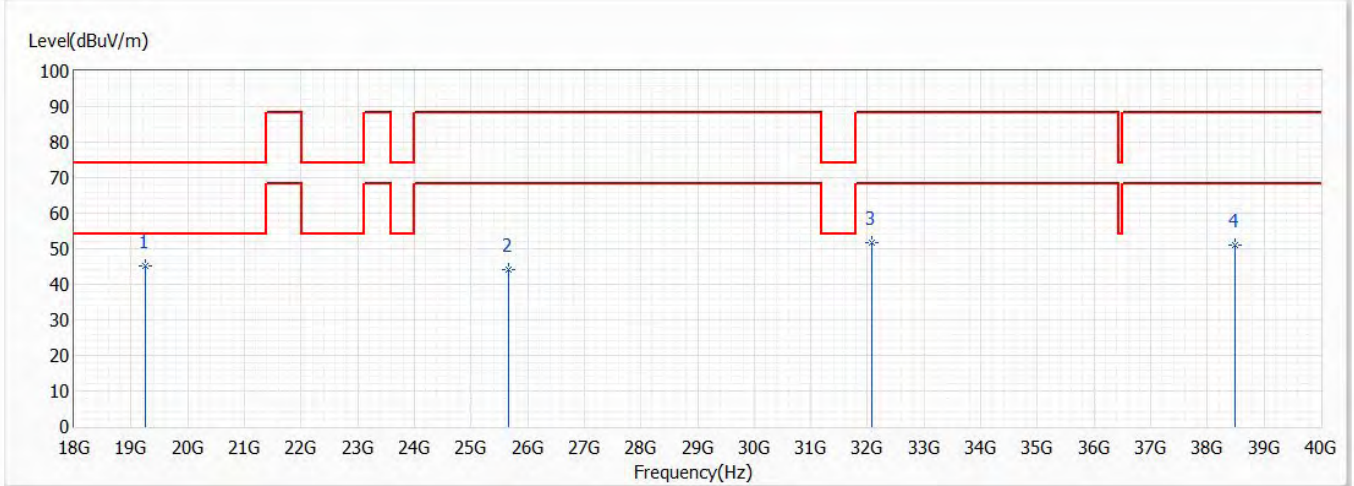


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	12830.000	55.63	88.20	-32.57	42.02	13.61	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/19
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Horizontal	Temperature (°C)	19.0
Test Condition	802.11a,Ch93,6.415G,BW20M	Humidity (%RH)	58.0

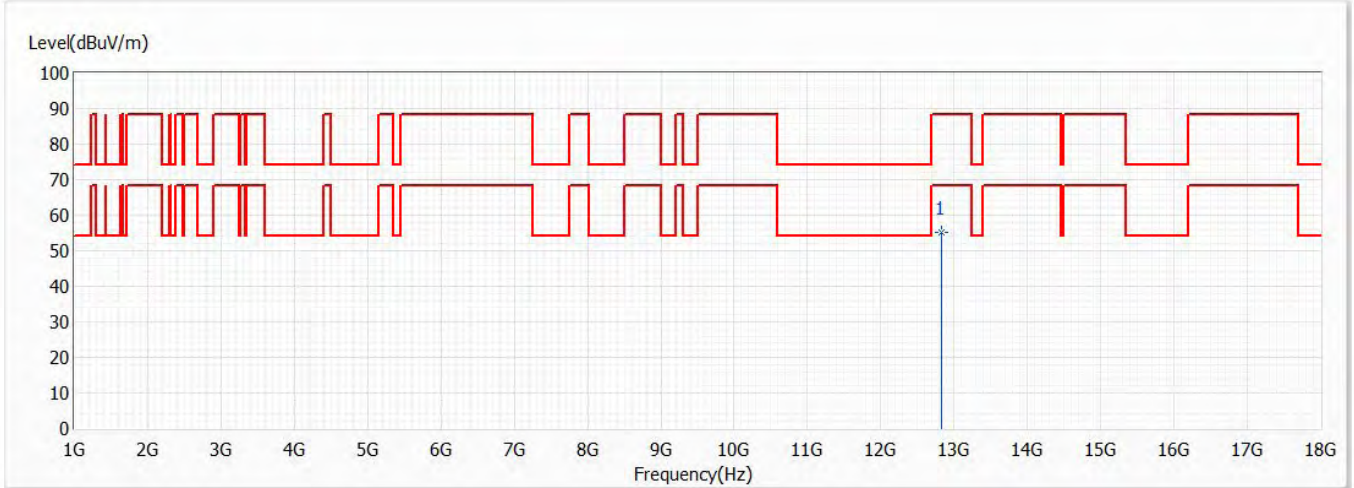


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19245.000	45.29	74.00	-28.71	52.77	-7.48	PK
2	25660.000	44.03	88.20	-44.17	48.71	-4.68	PK
3	32075.000	51.78	88.20	-36.42	53.03	-1.25	PK
4	38490.000	51.15	88.20	-37.05	48.62	2.53	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/15
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11a,Ch93,6.415G,BW20M	Humidity (%RH)	58.0

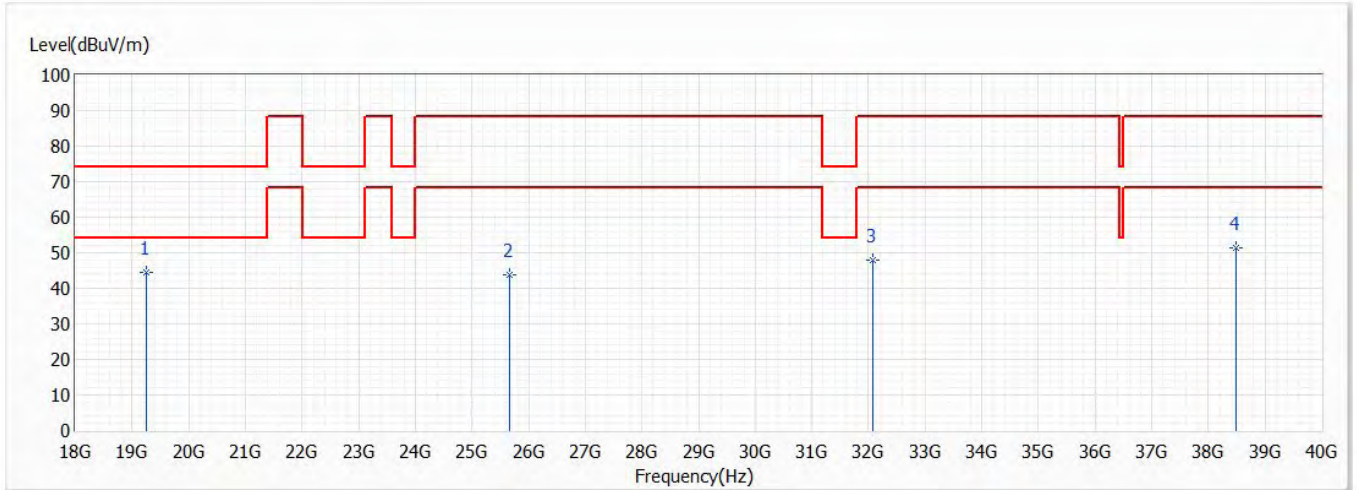


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	12830.000	55.09	88.20	-33.11	41.48	13.61	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.

Model No	CR1000A	Site	CB4-H
Test Voltage	AC 120V/60Hz	Test Date	2021/3/19
Test Mode	Mode 1	Engineer	Elwin Lin
Polarity	Vertical	Temperature (°C)	19.0
Test Condition	802.11a,Ch93,6.415G,BW20M	Humidity (%RH)	58.0



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	19245.000	44.53	74.00	-29.47	52.01	-7.48	PK
2	25660.000	43.90	88.20	-44.30	48.58	-4.68	PK
3	32075.000	47.87	88.20	-40.33	49.12	-1.25	PK
4	38490.000	51.38	88.20	-36.82	48.85	2.53	PK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ \* ”, means this data is the worst value.
3. Emission Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.