

TEST REPORT

Reference No. : WTD26D01003637W005
FCC ID..... : 2AEPIBLACKZ1
Applicant..... : COLOMBIANA DE COMERCIO S.A.
Address : Car. 43E No 8-71, Medellin, Colombia
Manufacturer : Mobiwire Mobiles (Ningbo) Co.,Ltd
Address : No. 518, Changting East Road, Yuelin Street, Fenghua District,
Ningbo City, Zhejiang Province, China
Product..... : Smart Phone
Model(s)..... : Black Z1
Brand Name..... : Kalley
Standards..... : FCC 47CFR Part 15 Section 15.407
Date of Receipt sample..... : 2026-01-08
Date of Test..... : 2026-01-09 to 2026-01-27
Date of Issue : 2026-02-06
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company.

The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD26D01003637W005	2026-01-08	2026-01-09 to 2026-01-27	2026-02-06	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	Smart Phone
Model(s):	Black Z1
Model Description:	N/A
Test Sample No.:	1-1/1
Wi-Fi Specification:	5G-802.11a/n(HT20/40)/ac(VHT20/40/80)
Hardware Version:	V01
Software Version:	Kalley_BLACK_Z1_V01_20251229

4.2 Details of E.U.T.

Operation Frequency:	802.11a/n(HT20)/ac (VHT20): U-NII-1: 5180-5240MHz, U-NII-2A: 5260-5320MHz(DFS), U-NII-2C: 5500-5700MHz(DFS), U-NII-3: 5745-5825MHz 802.11n(HT40)/ac (VHT40): U-NII-1: 5190-5230MHz, U-NII-2A: 5270-5310MHz(DFS), U-NII-2C: 5510-5670MHz(DFS), U-NII-3: 5755-5795MHz 802.11ac (VHT80): U-NII-1: 5210MHz, U-NII-2A: 5290MHz(DFS), U-NII-2C: 5530-5610MHz(DFS), U-NII-3: 5775MHz
Max. RF output power:	U-NII-1: 11.79dBm U-NII-2A: 11.58dBm U-NII-2C: 13.47dBm U-NII-3: 12.54dBm
Type of Modulation:	OFDM
Antenna installation:	FPC Antenna
Antenna Gain:	U-NII-1: -1.02dBi U-NII-2A: -1.21dBi U-NII-2C: -0.43dBi U-NII-3: -1.63dBi

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTERK lab has not verified the authenticity of its information.

Ratings: Battery: DC 3.87V, 5900mAh, 22.833Wh

Adapter: Model: 805A-018B-1A
Input: 100-240V~, 50/60Hz, 0.5A
Output: 5.0V===2.0A, 9.0V===2.0A, 12.0V===1.5A MAX

4.3 Channel List

U-NII-1 (5.15-5.25GHz)			
channel	Frequency(MHz)	channel	Frequency(MHz)
36	5180	38	5190
40	5200	42	5210
44	5220	46	5230
48	5240		

U-NII-2A (5.25-5.35GHz)			
channel	Frequency(MHz)	channel	Frequency(MHz)
52	5260	54	5270
56	5280	58	5290
60	5300	62	5310
64	5320		

U-NII-2C (5.47-5.725GHz)			
channel	Frequency(MHz)	channel	Frequency(MHz)
100	5500	102	5510
104	5520	106	5530
108	5540	110	5550
112	5560	116	5580
118	5590	120	5600
122	5610	124	5620
126	5630	128	5640
132	5660	134	5670
136	5680	140	5700

U-NII-3 (5.725-5.85GHz)			
channel	Frequency(MHz)	channel	Frequency(MHz)
149	5745	151	5755
153	5765	155	5775
157	5785	159	5795
161	5805	165	5825

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n/ac(VHT20):

channel	Frequency(MHz)	channel	Frequency(MHz)
36	5180	40	5200
48	5240		

channel	Frequency(MHz)	channel	Frequency(MHz)
52	5260	56	5280
64	5320		

channel	Frequency(MHz)	channel	Frequency(MHz)
100	5500	120	5600
140	5700		

channel	Frequency(MHz)	channel	Frequency(MHz)
149	5745	157	5785
165	5825		

For 802.11n/ac(VHT40):

channel	Frequency(MHz)	channel	Frequency(MHz)
38	5190	46	5230

channel	Frequency(MHz)	channel	Frequency(MHz)
54	5270	62	5310

channel	Frequency(MHz)	channel	Frequency(MHz)
102	5510	110	5550
134	5670		

channel	Frequency(MHz)	channel	Frequency(MHz)
151	5755	159	5795

For 802.11ac(VHT80):

channel	Frequency(MHz)	channel	Frequency(MHz)
42	5210		

channel	Frequency(MHz)	channel	Frequency(MHz)
58	5290		

channel	Frequency(MHz)	channel	Frequency(MHz)
106	5530	122	5610

channel	Frequency(MHz)	channel	Frequency(MHz)
155	5775		

4.4 Test Mode Description

During testing, Channel and Power Controlling Software provided by the applicant was used to control the operating channel as well as the maximum output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Transmitting duty cycle is no less 98%.

The EUT is configured in Engineering mode..

Test Items	Mode	Data Rate	TX/RX
Radiated Emissions	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
Duty Cycle	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
Band Edge	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
6dB Bandwidth	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
26dB Bandwidth and 99% Occupied Bandwidth	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
Conducted Output Power	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
Power Spectral Density	802.11a	6 Mbps	TX
	802.11n/ac(HT20/40)	MCS0	TX
	802.11ac(80)	MCS0	TX
Frequency Stability	Un-modulation	/	TX

4.5 Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files.

Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration number 523476, September 10, 2019.

5 Equipment Used during Test

5.1 Equipments List

Conducted Emissions Test Site 1#						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	EMI Test Receiver	R&S	ESCI	100947	2025-07-04	2026-07-03
2.	LISN	R&S	ENV216	100115	2025-06-03	2026-06-02
3.	Cable	Top	TYPE16(3.5M)	-	2025-06-03	2026-06-02
3m Semi-anechoic Chamber for Radiation Emissions Test site 1#						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Spectrum Analyzer	R&S	FSP30	100091	2025-04-19	2026-04-18
2	Amplifier	Agilent	8447D	2944A10178	2025-04-19	2026-04-18
3	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	2025-07-20	2026-07-19
4	Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	-	2025-04-19	2026-04-18
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09	2026-08-08
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2025-07-04	2026-07-03
7	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	NA	2025-04-19	2026-04-18
8	Coaxial Cable (above 1GHz)	ZT26-NJ-NJ-8M/FA	1GHz-18GHz	336	2025-07-20	2026-07-19
9	Microwave Amplifier	SCHWARZBECK	BBV 9721	100472	2025-04-19	2026-04-18
10	Coaxial Cable	Top	ZT40-2.92J-2.92J-2.0M	17100919	2025-04-19	2026-04-18
3m Semi-anechoic Chamber for Radiation Emissions Test site 2#						
Item	Equipment	Manufacturer	Model No.	Serial No	Last Calibration Date	Calibration Due Date
1	Test Receiver	R&S	ESCI	101296	2025-04-19	2026-04-18
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2025-07-05	2026-07-04
3	Active Loop Antenna	Com-Power Corp.	AL-130R	10160007	2025-04-21	2026-04-20
4	Amplifier	ANRITSU	MH648A	M43381	2025-04-19	2026-04-18
5	Cable	HUBER+SUHNER	CBL2	525178	2025-04-19	2026-04-18

RF Conducted Testing						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	Spectrum Analyzer	R&S	FSP40	100501	2025-07-04	2026-07-03
2.	EXA Signal Analyzer	Malaysia Keysight	N9010A	MY50520207	2025-04-19	2026-04-18

Test Software:

Test Item	Software name	Software version
Conduction disturbance Radiated Emission(3m)	EZ-EMC	EZ-EMC(RA-03A1-1)

5.2 Description of Support Units

Equipment	Manufacturer	Model No.	Series No.
/	/	/	/

5.3 Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-6}$
RF Power	± 1.0 dB
RF Power Density	± 2.2 dB
Radiated Spurious Emissions test	± 5.03 dB (30M~1000MHz)
	± 5.47 dB (1000M~40000MHz)
Conducted Spurious Emissions test	± 3.64 dB (AC mains 150KHz~30MHz)

6 Test Summary

Test Items	Test Requirement	Result
Conducted Emissions	15.207(a)	PASS
Radiated Emissions	15.407(a) 15.205(a) 15.209(a)	PASS
Duty Cycle	KDB 789033	PASS
6dB Bandwidth	15.407(a)	PASS
26 dB Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	PASS
Maximum Conducted Output Power	15.407(a)	PASS
Power Spectral Density	15.407(a)	PASS
Restricted bands around fundamental frequency	15.407(a)	PASS
Antenna Requirement	15.203	PASS
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS

7 Duty cycle

Test Requirement:	FCC 47CFR Part 15 Section 15.407 KDB789033 D02 General U-NII Test Procedures New Rules v02r01, Section (B)
Test Method:	ANSI C63.10-2020
Test Limit:	N/A
Test Result:	PASS
Remark:	Through Pre-scan, and found 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.

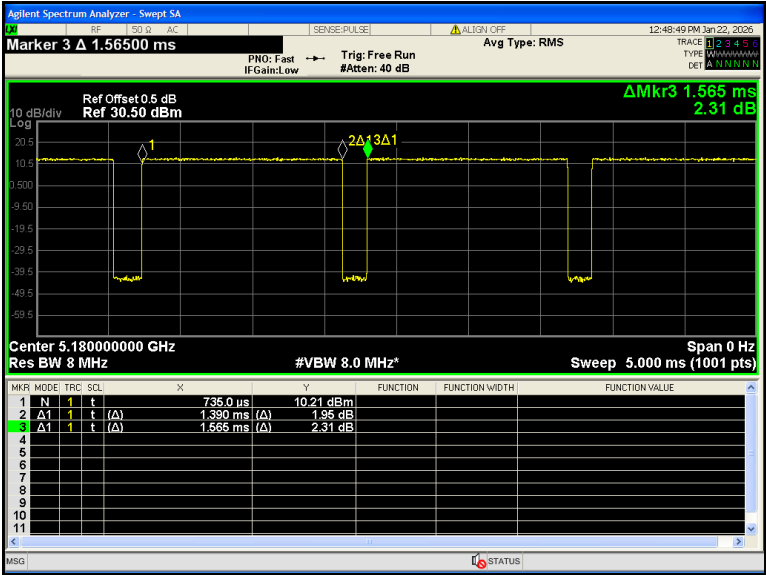
7.1 Summary of Test Results

Type of Modulation	On time ms	Period ms	Duty Cycle linear	Duty Cycle %	Duty Cycle Factor(dB)	Average Factor(dB)
U-NII-1 802.11a	1.390	1.565	0.89	88.82	0.51	-1.03
U-NII-1 802.11n(HT20)	1.295	1.465	0.88	88.40	0.54	-1.07
U-NII-1 802.11n(HT40)	0.647	0.809	0.80	79.98	0.97	-1.94
U-NII-1 802.11ac(VHT20)	1.305	1.485	0.88	87.88	0.56	-1.12
U-NII-1 802.11ac(VHT40)	0.650	0.815	0.80	79.75	0.98	-1.96
U-NII-1 802.11ac(VHT80)	0.324	0.487	0.67	66.53	1.77	-3.54
U-NII-2A 802.11a	1.385	1.560	0.89	88.78	0.52	-1.03
U-NII-2A 802.11n(HT20)	1.295	1.460	0.89	88.70	0.52	-1.04
U-NII-2A 802.11n(HT40)	0.644	0.818	0.79	78.73	1.04	-2.08
U-NII-2A 802.11ac(VHT20)	1.310	1.485	0.88	88.22	0.54	-1.09
U-NII-2A 802.11ac(VHT40)	0.647	0.812	0.80	79.68	0.99	-1.97
U-NII-2A 802.11ac(VHT80)	0.322	0.487	0.66	66.12	1.80	-3.59
U-NII-2C 802.11a	1.385	1.550	0.89	89.35	0.49	-0.98
U-NII-2C 802.11n(HT20)	1.295	1.470	0.88	88.10	0.55	-1.10
U-NII-2C 802.11n(HT40)	0.644	0.818	0.79	78.73	1.04	-2.08
U-NII-2C 802.11ac(VHT20)	1.310	1.480	0.89	88.51	0.53	-1.06
U-NII-2C 802.11ac(VHT40)	0.650	0.812	0.80	80.05	0.97	-1.93
U-NII-2C 802.11ac(VHT80)	0.322	0.487	0.66	66.12	1.80	-3.59

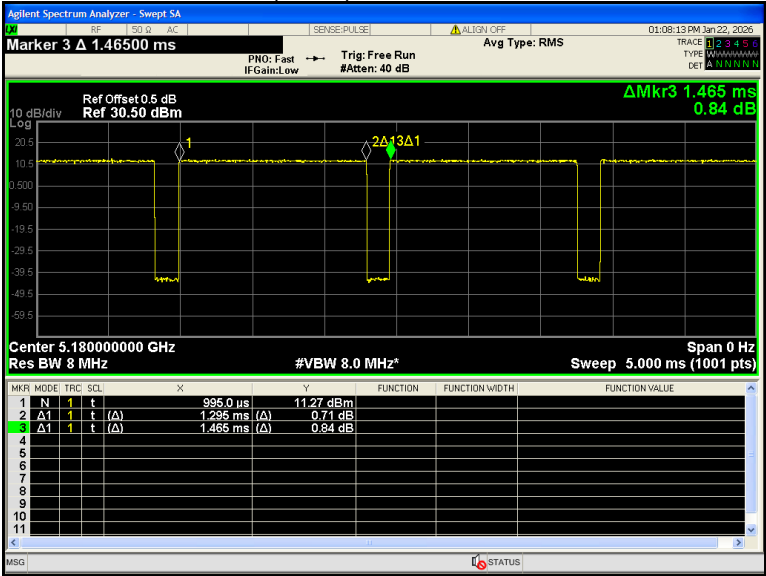
U-NII-3 802.11a	1.385	1.560	0.89	88.78	0.52	-1.03
U-NII-3 802.11n(HT20)	1.295	1.470	0.88	88.10	0.55	-1.10
U-NII-3 802.11n(HT40)	0.644	0.809	0.80	79.60	0.99	-1.98
U-NII-3 802.11ac(VHT20)	1.310	1.485	0.88	88.22	0.54	-1.09
U-NII-3 802.11ac(VHT40)	0.650	0.824	0.79	78.88	1.03	-2.06
U-NII-3 802.11ac(VHT80)	0.322	0.485	0.66	66.39	1.78	-3.56

Test result plots shown as follows:

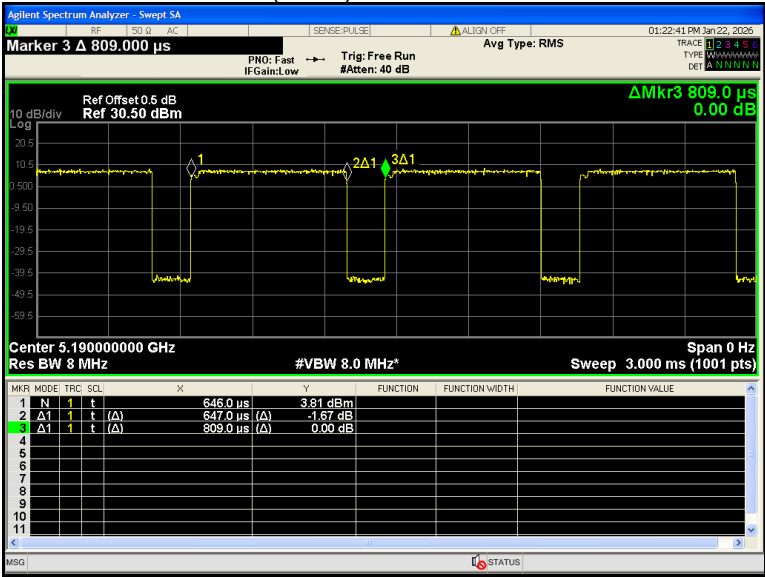
802.11a U-NII-1 Low channel



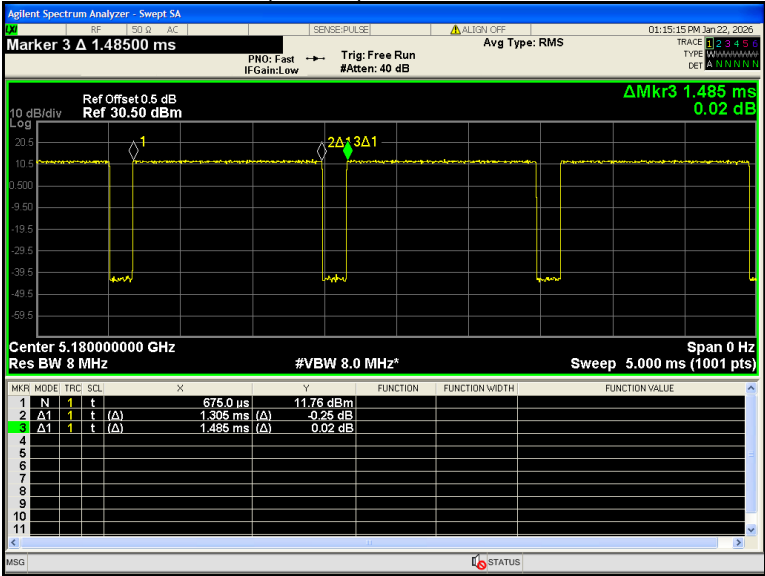
802.11n(HT20) U-NII-1 Low channel



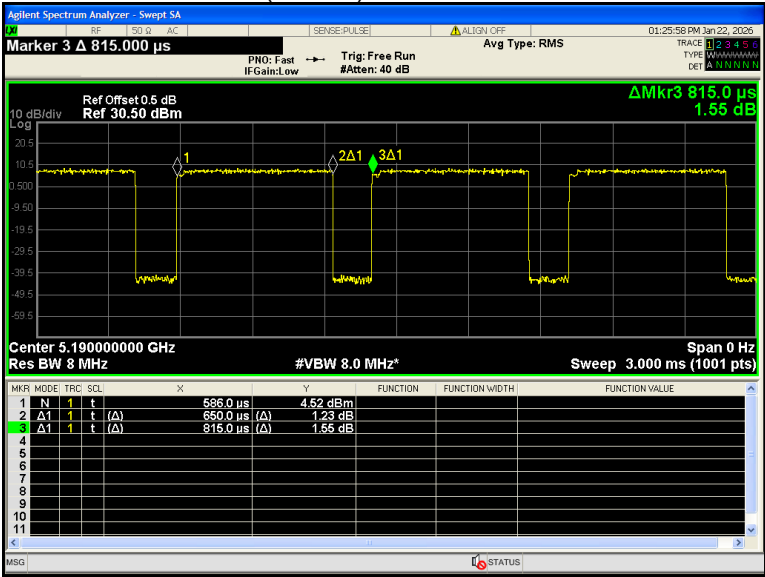
802.11n(HT40) U-NII-1 Low channel



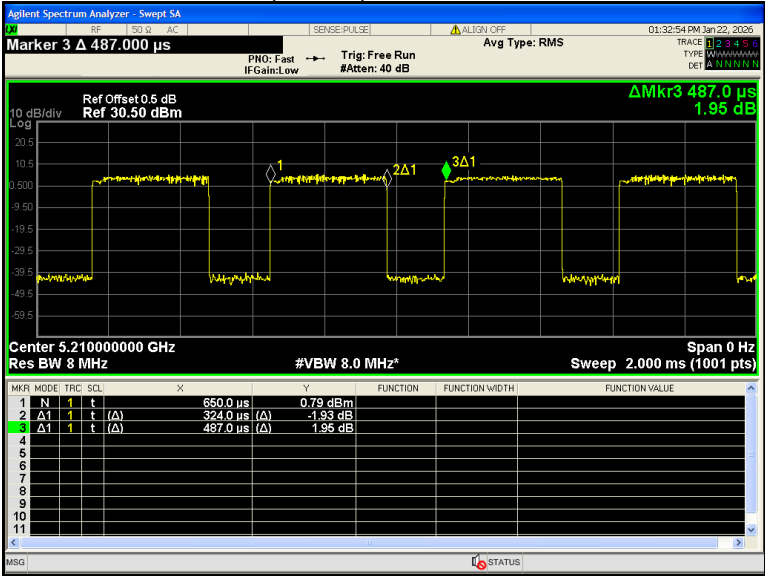
802.11ac(VHT20) U-NII-1 Low channel



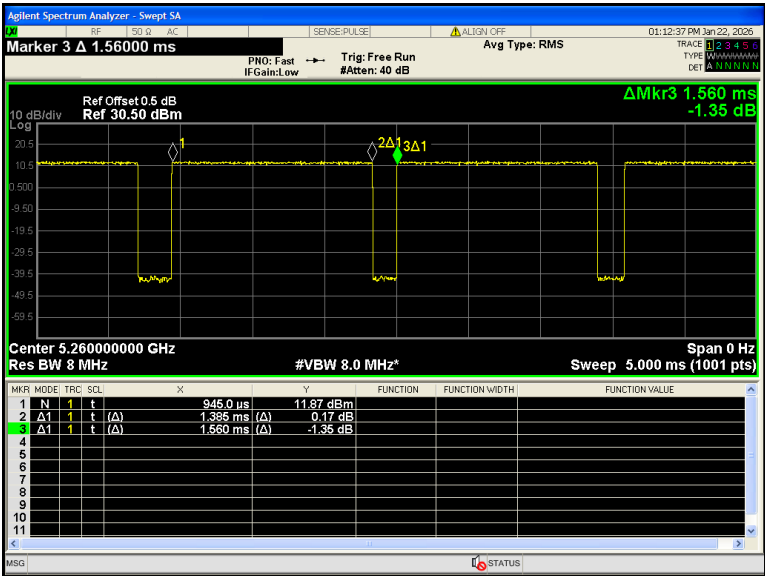
802.11ac(VHT40) U-NII-1 Low channel



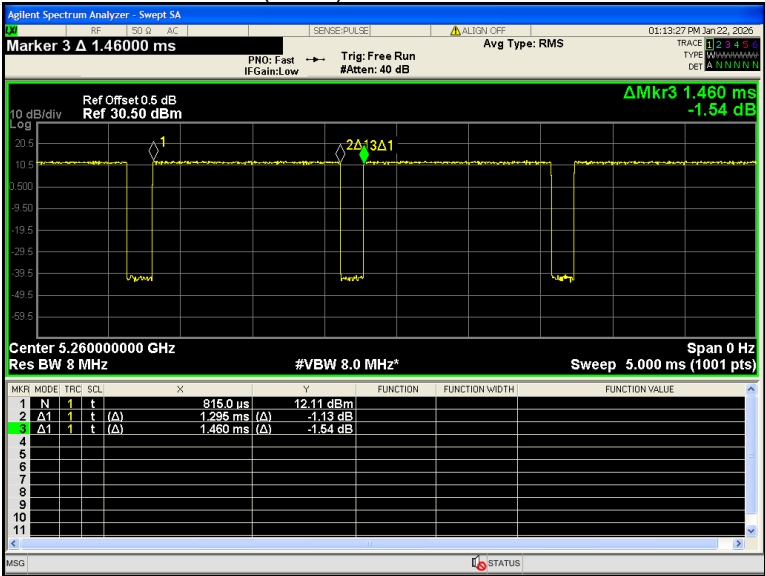
802.11ac(VHT80) U-NII-1 Low channel



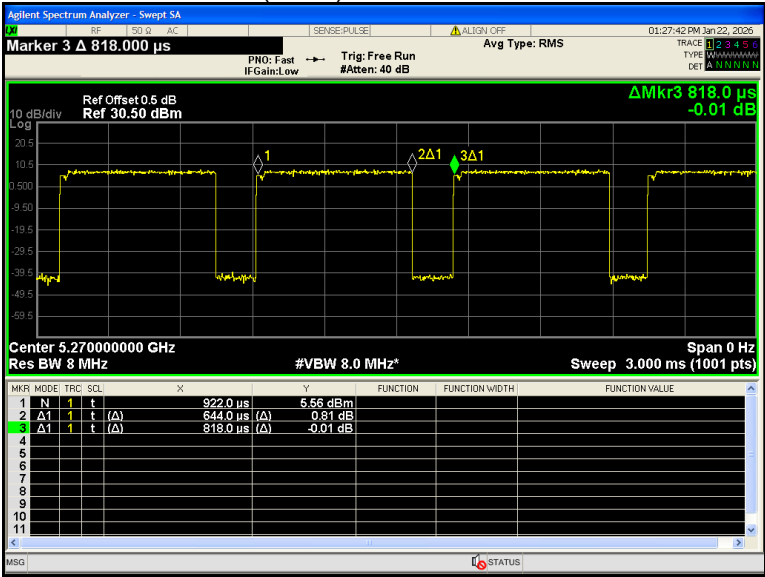
802.11a U-NII-2A Low channel



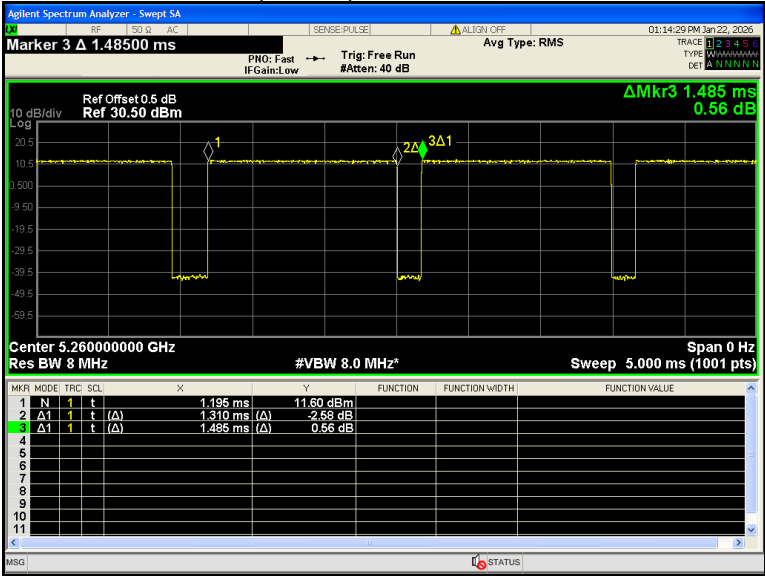
802.11n(HT20) U-NII-2A Low channel



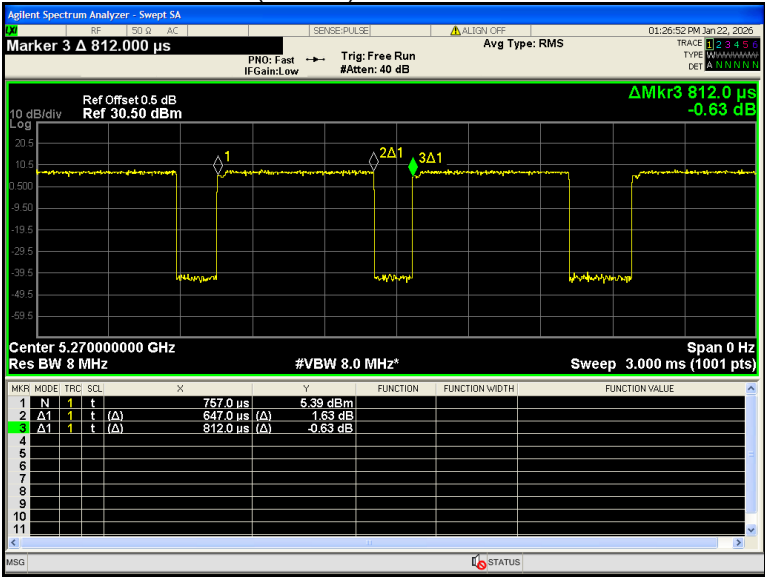
802.11n(HT40) U-NII-2A Low channel



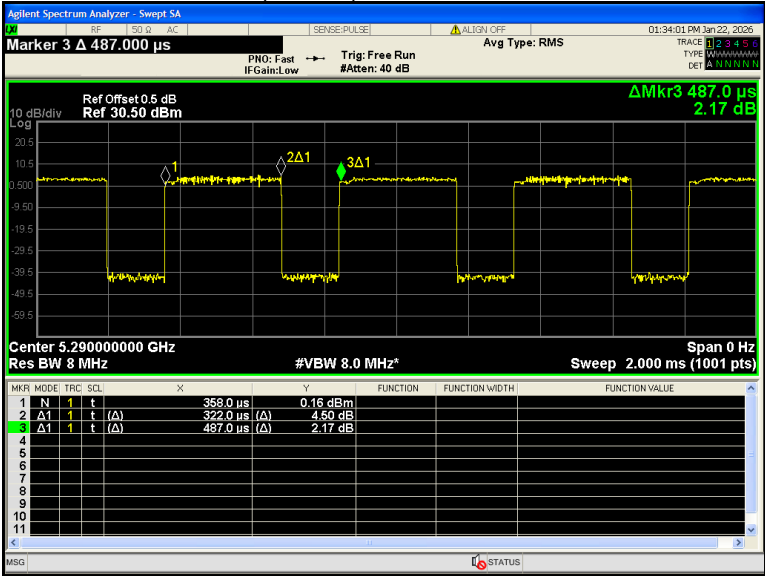
802.11ac(VHT20) U-NII-2A Low channel



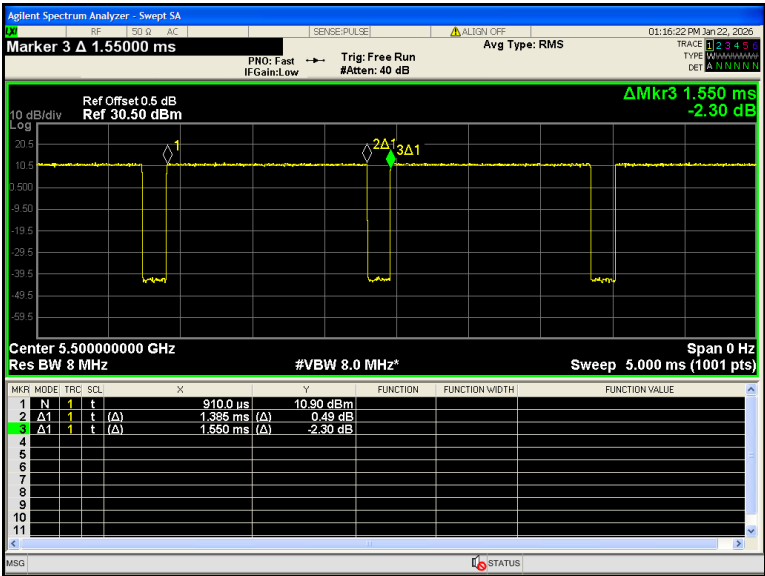
802.11ac(VHT40) U-NII-2A Low channel



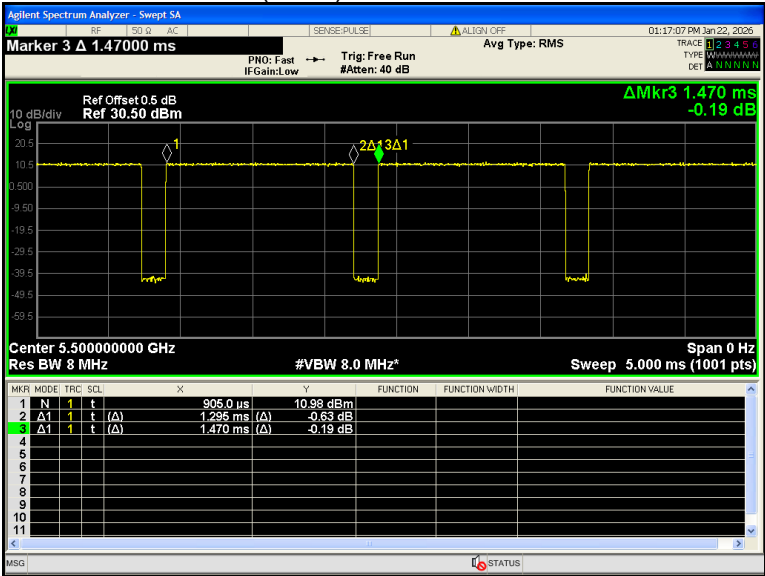
802.11ac(VHT80) U-NII-2A Low channel



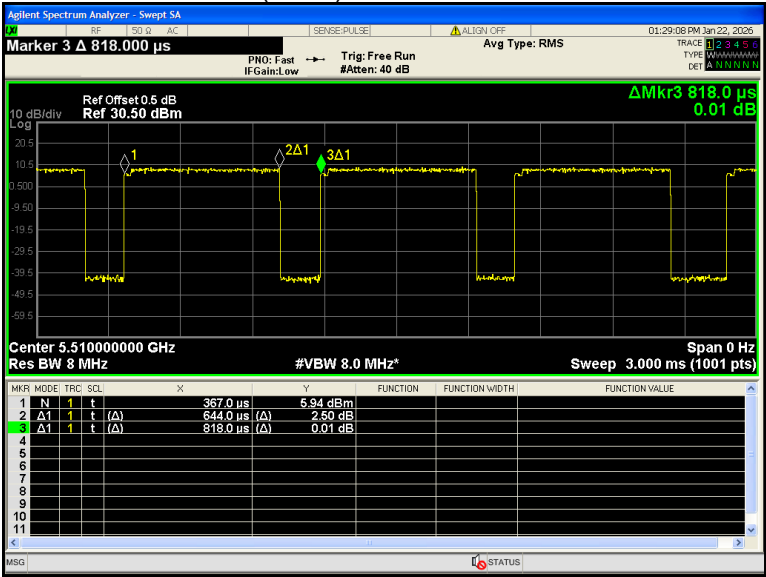
802.11a U-NII-2C Low channel



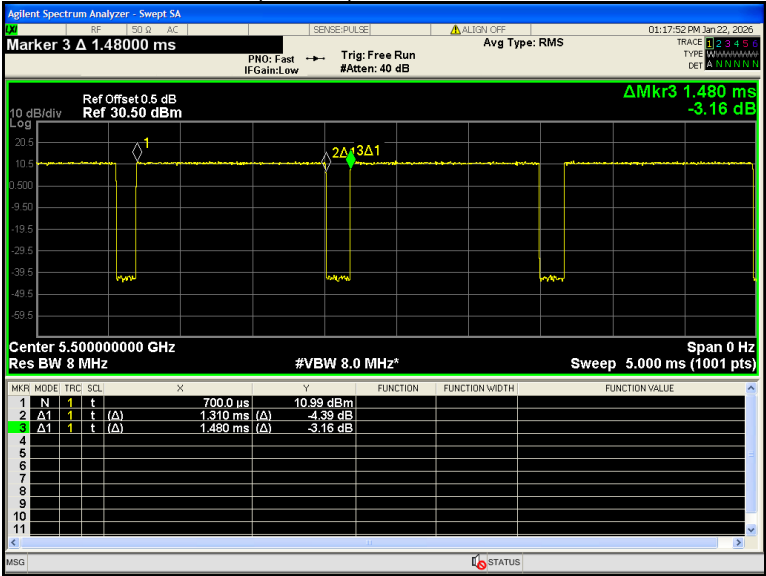
802.11n(HT20) U-NII-2C Low channel



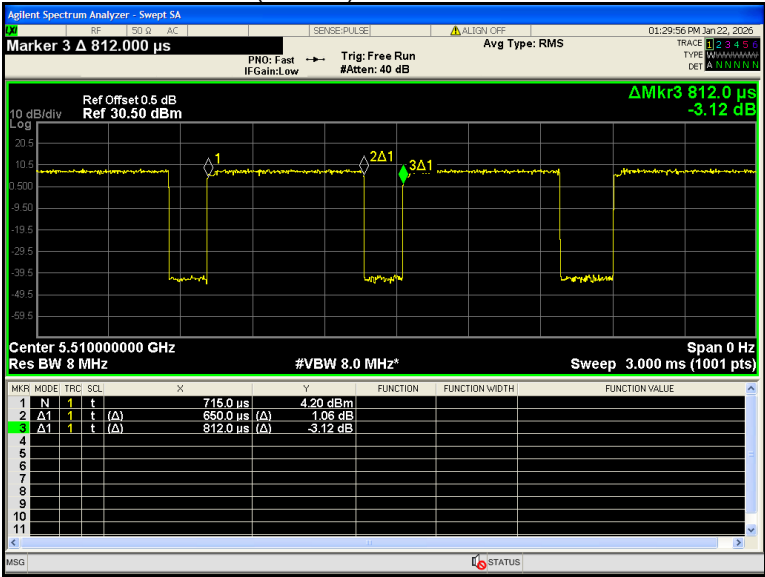
802.11n(HT40) U-NII-2C Low channel



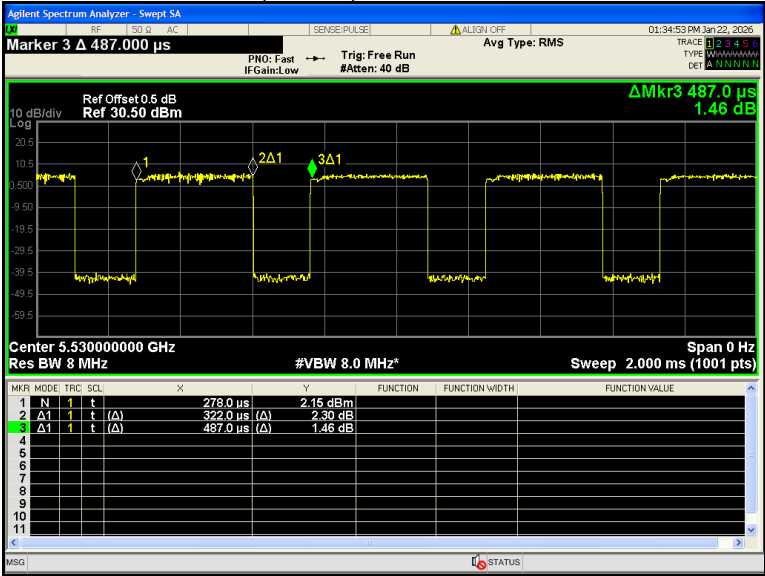
802.11ac(VHT20) U-NII-2C Low channel



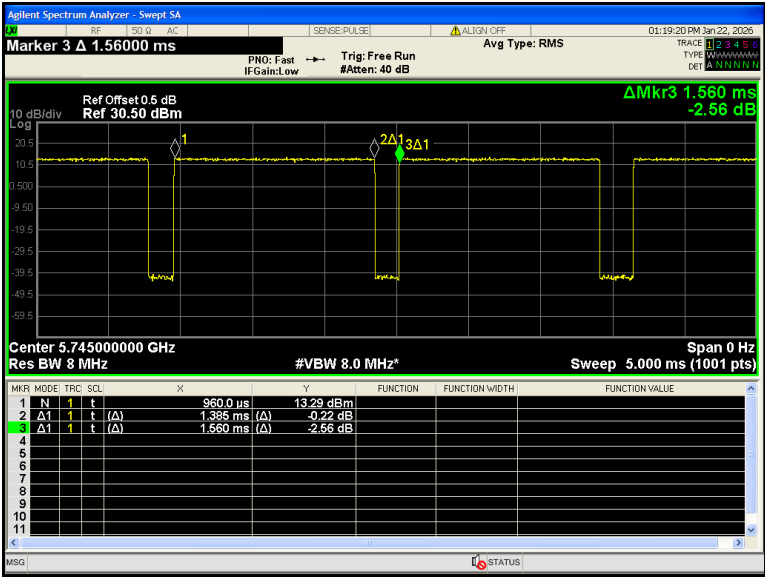
802.11ac(VHT40) U-NII-2C Low channel



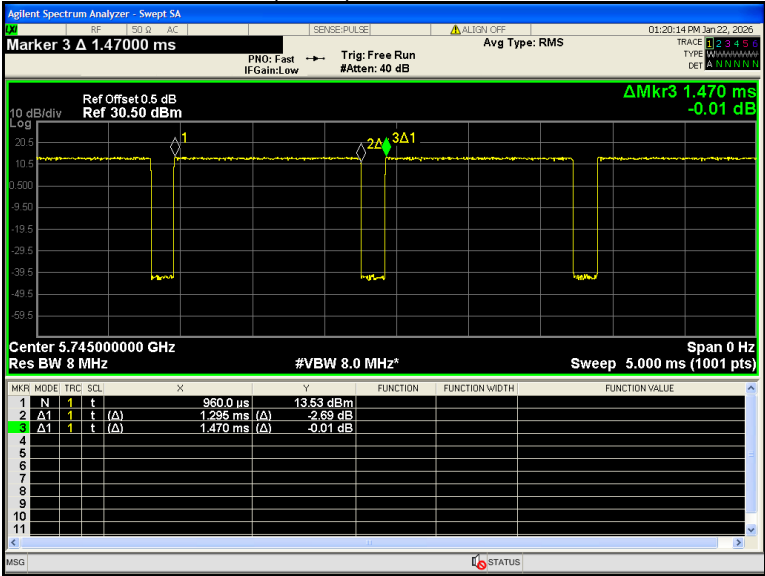
802.11ac(VHT80) U-NII-2C Low channel



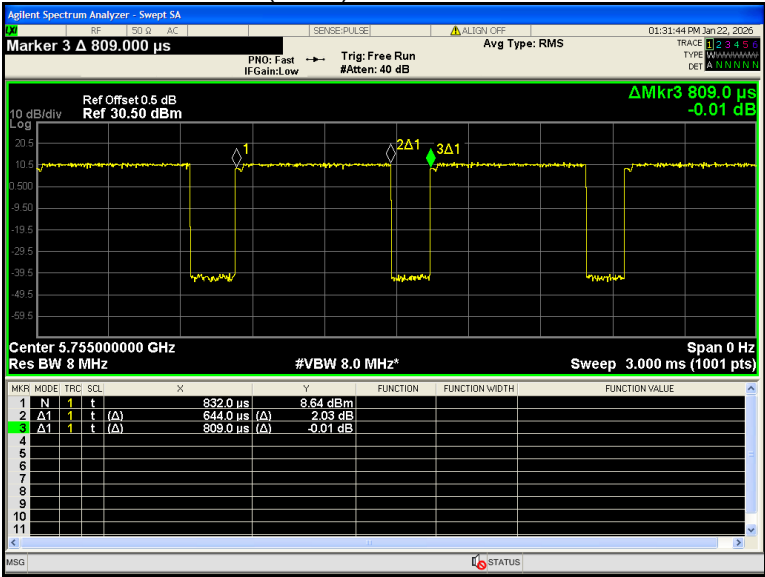
802.11a U-NII-3 Low channel



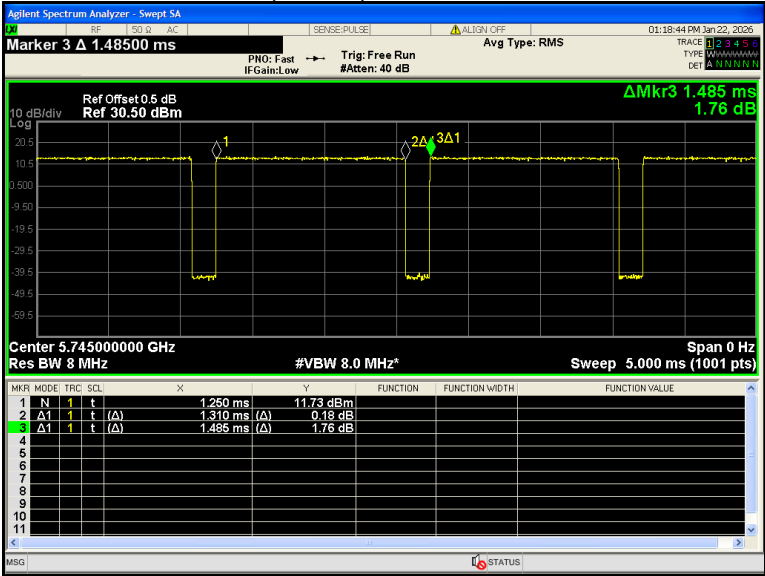
802.11n(HT20) U-NII-3 Low channel



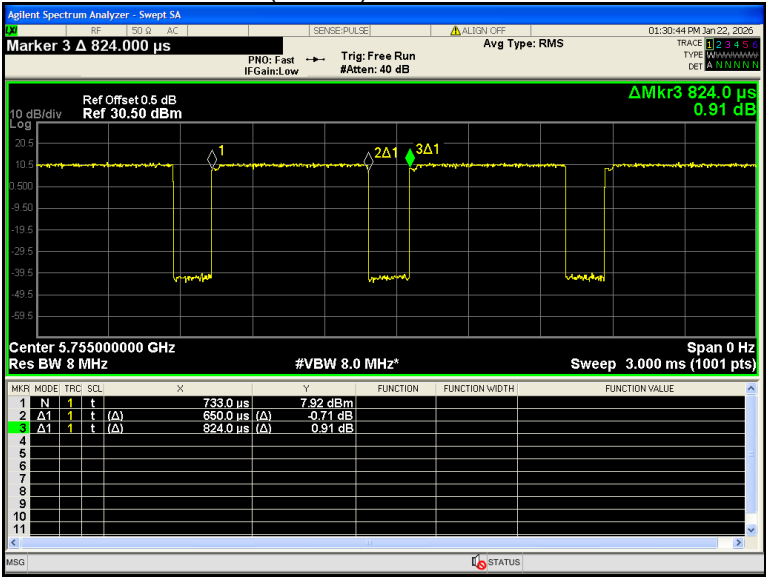
802.11n(HT40) U-NII-3 Low channel



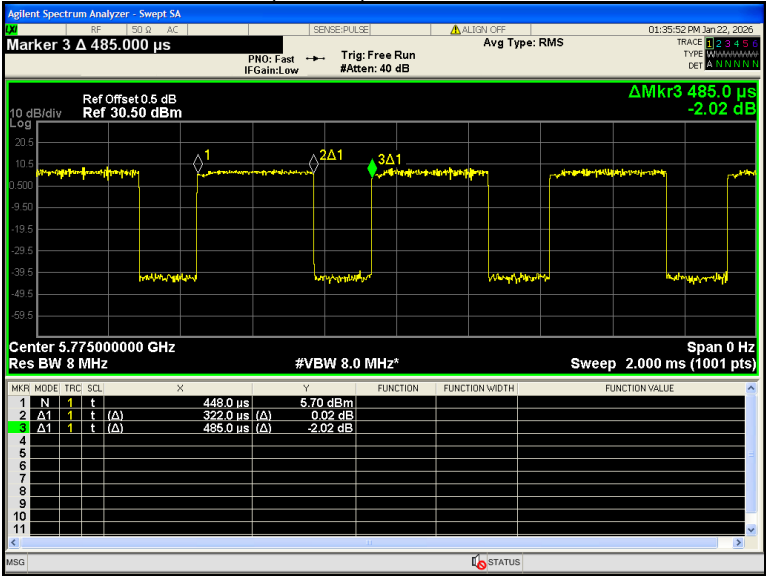
802.11ac(VHT20) U-NII-3 Low channel



802.11ac(VHT40) U-NII-3 Low channel



802.11ac(VHT80) U-NII-3 Low channel



8 Conducted Emission

Test Requirement: FCC 47CFR Part 15 Section 15.207
Test Method: ANSI C63.10-2020
Test Result: PASS
Frequency Range: 150kHz to 30MHz
Limit:

Frequency (MHz)	Limit (B μ V)	
	Quasi-peak	Average
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 o 30	60	50

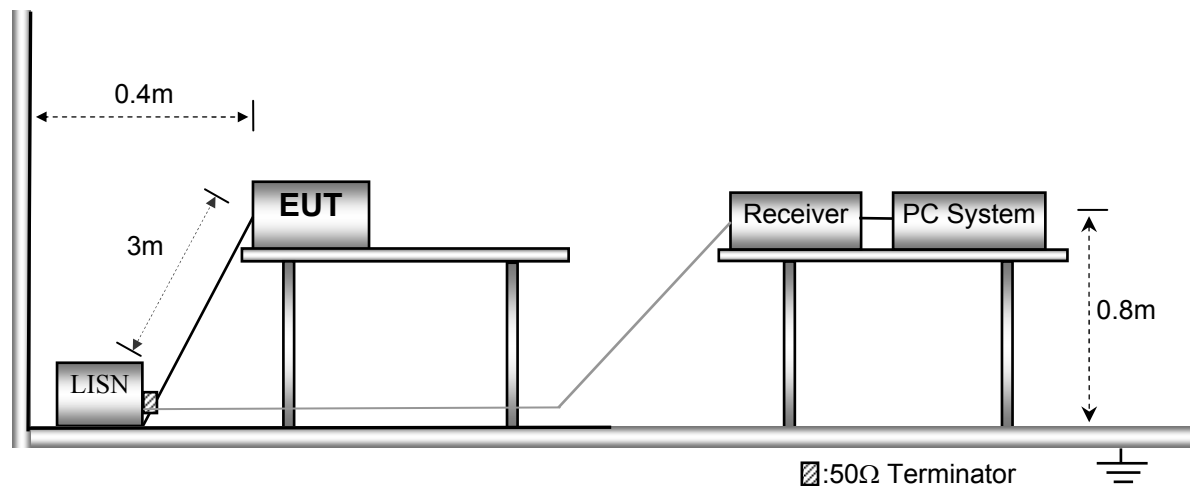
8.1 E.U.T. Operation

Operating Environment :
Temperature: 21.8°C
Humidity: 50.3%RH
Atmospheric Pressure: 101.4kPa

EUT Operation :
The test was performed in transmitting mode, the test data were shown in the report.

8.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10-2020.



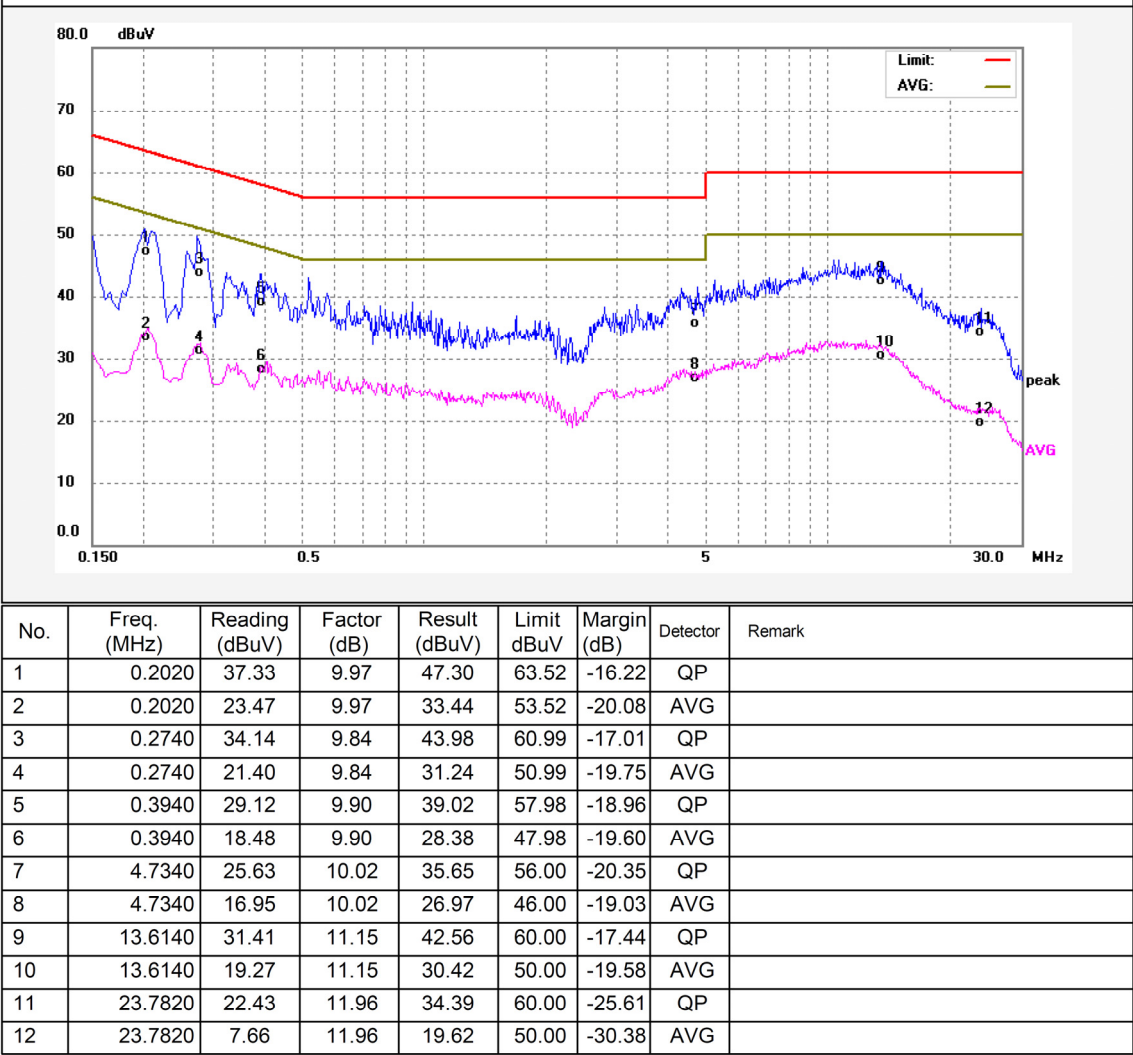
8.3 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

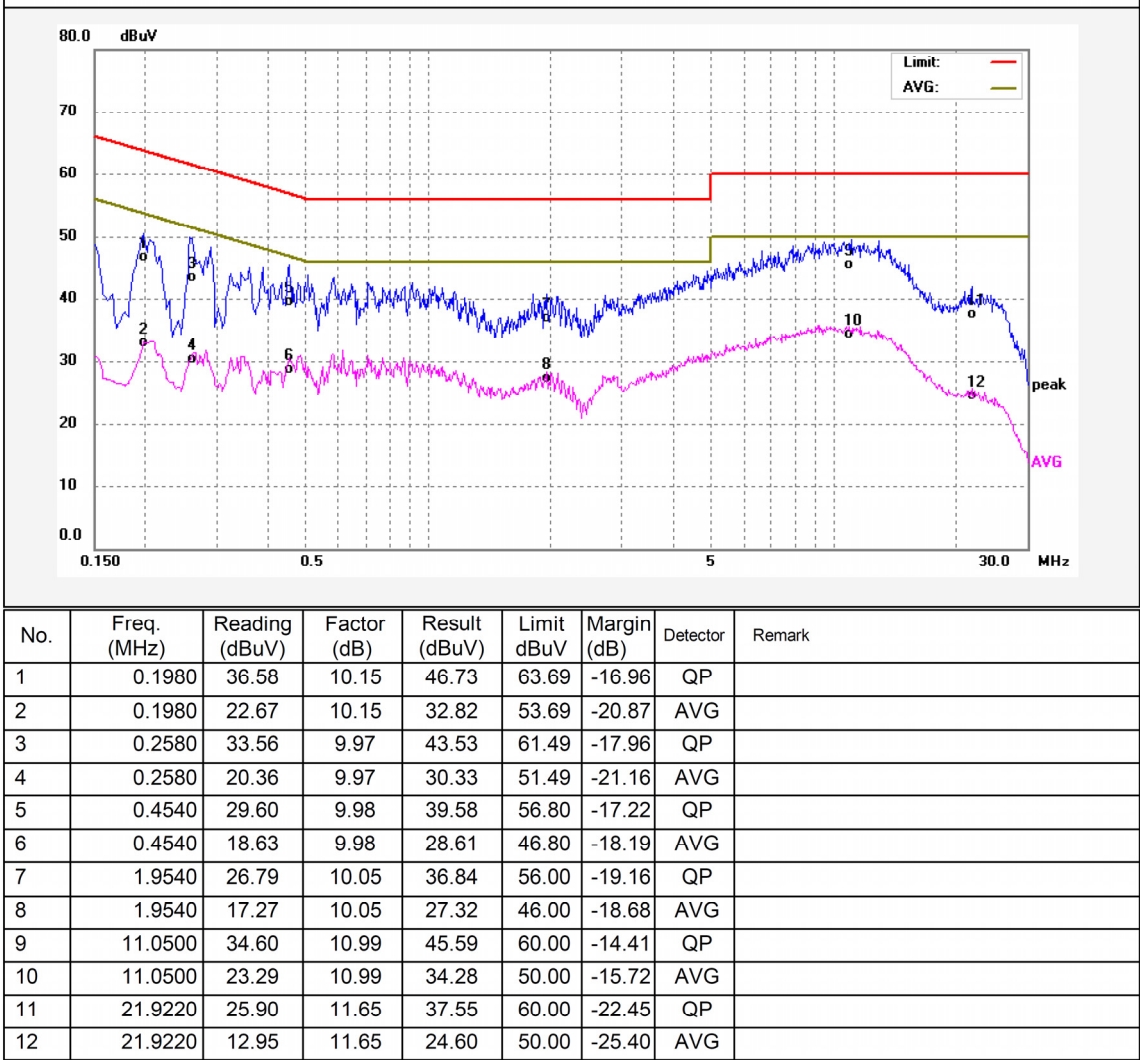
8.4 Conducted Emission Test Result

Remark: only the worst data (U-NII-1 802.11a High channel mode) were reported

Live line:



Neutral line:



9 Radiated Emissions

Test Requirement: FCC 47CFR Part 15 Section 15.209 & 15.407

Test Method: ANSI C63.10-2020

Test Result: PASS

Measurement Distance: 3m

Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Distance	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

9.1 EUT Operation

Operating Environment :

Temperature: 25.4°C

Humidity: 48.5%RH

Atmospheric Pressure: 101.4kPa

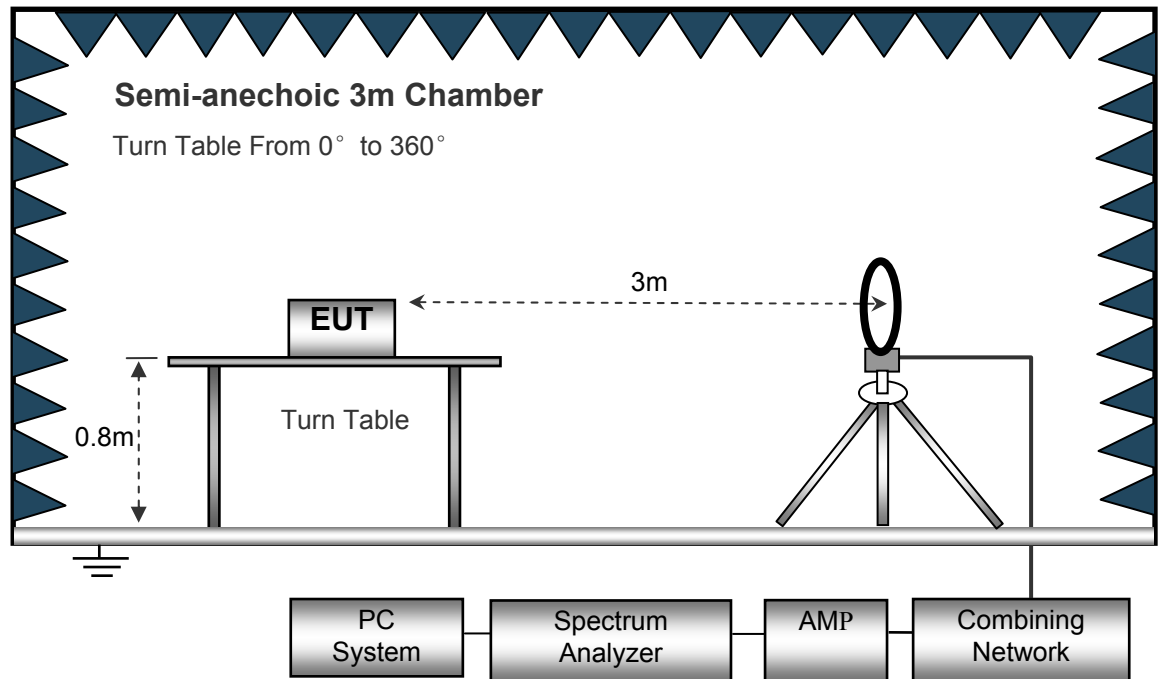
EUT Operation :

The test was performed in transmitting mode, the test data were shown in the report.

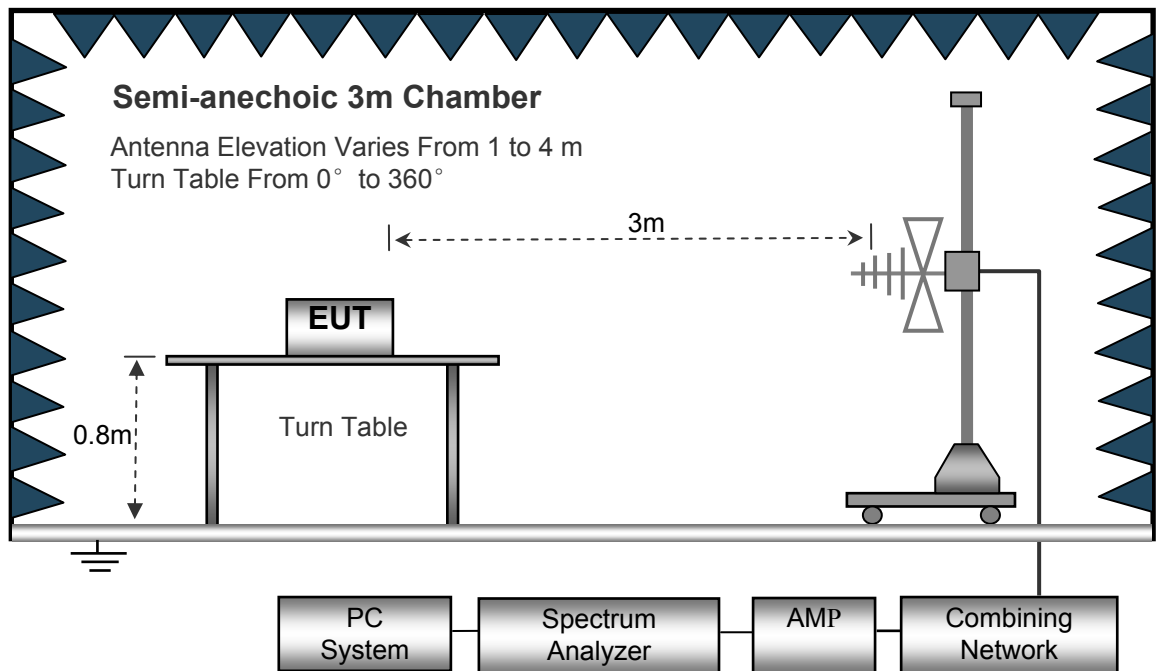
9.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10-2020.

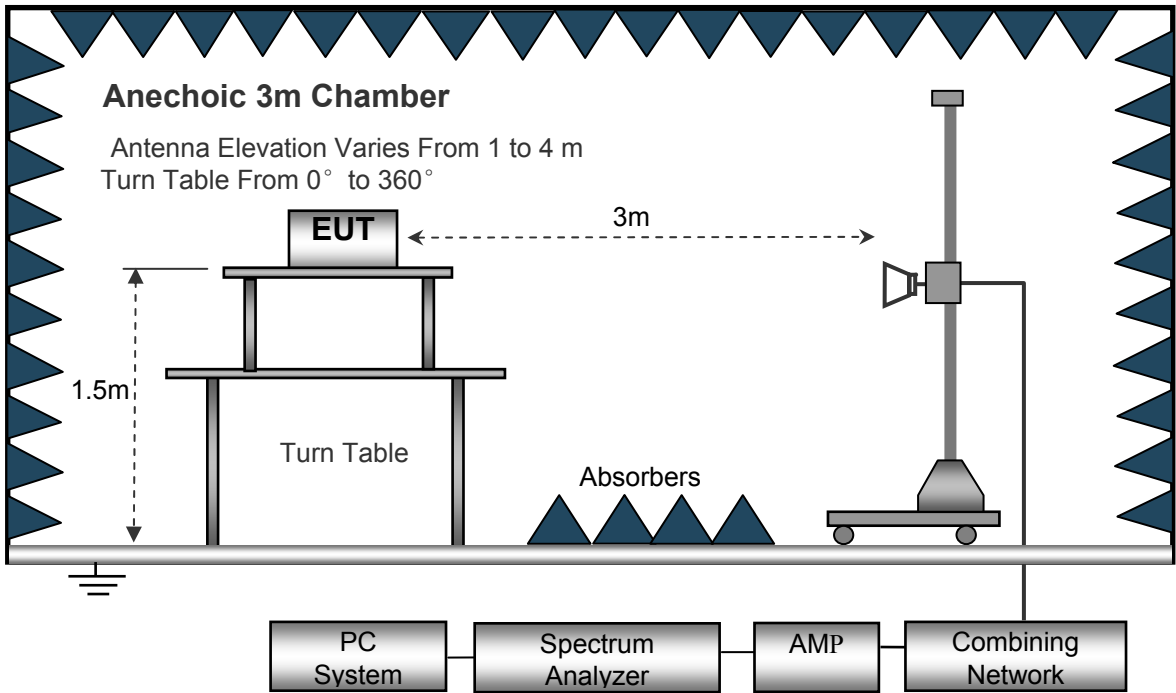
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



9.3 Spectrum Analyzer Setup

Below 30MHz

Sweep Speed Auto
IF Bandwidth.....10kHz
Video Bandwidth.....10kHz
Resolution Bandwidth.....10kHz

30MHz ~ 1GHz

Sweep Speed Auto
DetectorPK
Resolution Bandwidth.....100kHz
Video Bandwidth.....300kHz

Above 1GHz

Sweep Speed Auto
DetectorPK
Resolution Bandwidth.....1MHz
Video Bandwidth.....3MHz
DetectorAve.
Resolution Bandwidth.....1MHz
Video Bandwidth.....10Hz

9.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in X axis,so the worst data were shown as follow.
8. A 2.4GHz high –pass filter is used during radiated emissions above 1GHz measurement.

9.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$

9.6 Summary of Test Results

Test Frequency: 9KHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency : 30MHz ~ 18GHz

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-1 Low Channel 5180MHz									
206.15	40.99	QP	348	1.3	H	-11.62	29.37	43.50	-14.13
206.15	45.14	QP	296	1.3	V	-11.62	33.52	43.50	-9.98
4503.37	58.54	PK	347	1.9	H	-2.03	56.51	74.00	-17.49
4503.37	44.40	Ave	347	1.9	H	-2.03	42.37	54.00	-11.63
5110.02	48.56	PK	11	1.0	H	-1.02	47.54	74.00	-26.46
5110.02	39.68	Ave	11	1.0	H	-1.02	38.66	54.00	-15.34
10360.00	42.12	PK	298	1.3	H	5.33	47.45	74.00	-26.55
10360.00	29.33	Ave	298	1.3	H	5.33	34.66	54.00	-19.34
802.11a U-NII-1 Middle channel 5200MHz									
206.15	40.72	QP	338	1.9	H	-11.62	29.10	43.50	-14.40
206.15	44.58	QP	51	1.1	V	-11.62	32.96	43.50	-10.54
4502.64	58.54	PK	11	1.1	H	-1.94	56.60	74.00	-17.40
4502.64	43.06	Ave	11	1.1	H	-1.94	41.12	54.00	-12.88
5139.64	49.24	PK	151	2.0	H	-1.06	48.18	74.00	-25.82
5139.64	39.49	Ave	151	2.0	H	-1.06	38.43	54.00	-15.57
10400.00	41.31	PK	67	1.7	H	5.21	46.52	74.00	-27.48
10400.00	28.98	Ave	67	1.7	H	5.21	34.19	54.00	-19.81

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-1 High channel 5240MHz									
206.15	40.39	QP	223	1.5	H	-11.62	28.77	43.50	-14.73
206.15	44.26	QP	300	1.5	V	-11.62	32.64	43.50	-10.86
4521.78	57.08	PK	210	1.4	H	-2.24	54.84	74.00	-19.16
4521.78	42.49	Ave	210	1.4	H	-2.24	40.25	54.00	-13.75
5128.38	49.03	PK	82	1.9	H	-1.09	47.94	74.00	-26.06
5128.38	39.71	Ave	82	1.9	H	-1.09	38.62	54.00	-15.38
10480.00	41.46	PK	284	1.7	H	5.14	46.60	74.00	-27.40
10480.00	28.08	Ave	284	1.7	H	5.14	33.22	54.00	-20.78
802.11a U-NII-2A Low Channel 5260MHz									
206.15	40.06	QP	307	1.4	H	-11.62	28.44	43.50	-15.06
206.15	42.48	QP	48	1.8	V	-11.62	30.86	43.50	-12.64
4529.82	54.80	PK	306	1.3	H	-2.03	52.77	74.00	-21.23
4529.82	40.67	Ave	306	1.3	H	-2.03	38.64	54.00	-15.36
5130.31	53.52	PK	188	1.2	H	-1.02	52.50	74.00	-21.50
5130.31	38.89	Ave	188	1.2	H	-1.02	37.87	54.00	-16.13
10520.00	41.59	PK	86	1.8	H	5.33	46.92	74.00	-27.08
10520.00	33.33	Ave	86	1.8	H	5.33	38.66	54.00	-15.34

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-2A middle channel 5280MHz									
206.15	40.54	QP	140	1.1	H	-11.62	28.92	43.50	-14.58
206.15	41.58	QP	340	1.8	V	-11.62	29.96	43.50	-13.54
4519.21	54.05	PK	183	1.4	H	-1.94	52.11	74.00	-21.89
4519.21	40.80	Ave	183	1.4	H	-1.94	38.86	54.00	-15.14
5126.24	52.74	PK	293	1.8	H	-1.06	51.68	74.00	-22.32
5126.24	38.44	Ave	293	1.8	H	-1.06	37.38	54.00	-16.62
10560.00	40.26	PK	349	1.6	H	5.21	45.47	74.00	-28.53
10560.00	31.95	Ave	349	1.6	H	5.21	37.16	54.00	-16.84
802.11a U-NII-2A High channel 5320MHz									
206.15	39.10	QP	205	1.0	H	-11.62	27.48	43.50	-16.02
206.15	42.26	QP	257	1.6	V	-11.62	30.64	43.50	-12.86
4520.16	53.29	PK	45	1.6	H	-2.24	51.05	74.00	-22.95
4520.16	40.23	Ave	45	1.6	H	-2.24	37.99	54.00	-16.01
5123.68	53.58	PK	185	2.0	H	-1.09	52.49	74.00	-21.51
5123.68	39.54	Ave	185	2.0	H	-1.09	38.45	54.00	-15.55
10640.00	40.21	PK	128	1.8	H	5.14	45.35	74.00	-28.65
10640.00	33.31	Ave	128	1.8	H	5.14	38.45	54.00	-15.55

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-2C Low Channel 5500MHz									
206.15	41.97	QP	193	1.6	H	-11.62	30.35	43.50	-13.15
206.15	45.37	QP	321	1.5	V	-11.62	33.75	43.50	-9.75
4522.73	53.08	PK	100	1.4	H	-2.03	51.05	74.00	-22.95
4522.73	39.71	Ave	100	1.4	H	-2.03	37.68	54.00	-16.32
5111.89	53.60	PK	323	1.5	H	-1.02	52.58	74.00	-21.42
5111.89	39.05	Ave	323	1.5	H	-1.02	38.03	54.00	-15.97
11000.00	41.51	PK	62	1.9	H	5.33	46.84	74.00	-27.16
11000.00	36.87	Ave	62	1.9	H	5.33	42.20	54.00	-11.80
802.11a U-NII-2C Middle channel 5600MHz									
206.15	40.82	QP	87	1.2	H	-11.62	29.20	43.50	-14.30
206.15	44.47	QP	205	1.0	V	-11.62	32.85	43.50	-10.65
4500.74	52.58	PK	83	1.8	H	-1.94	50.64	74.00	-23.36
4500.74	39.52	Ave	83	1.8	H	-1.94	37.58	54.00	-16.42
5115.45	53.25	PK	254	1.4	H	-1.06	52.19	74.00	-21.81
5115.45	39.52	Ave	254	1.4	H	-1.06	38.46	54.00	-15.54
11200.00	40.57	PK	268	1.4	H	5.21	45.78	74.00	-28.22
11200.00	36.37	Ave	268	1.4	H	5.21	41.58	54.00	-12.42

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-2C High channel 5700MHz									
206.15	38.94	QP	37	1.6	H	-11.62	27.32	43.50	-16.18
206.15	44.39	QP	91	1.9	V	-11.62	32.77	43.50	-10.73
4508.05	52.48	PK	290	1.9	H	-2.24	50.24	74.00	-23.76
4508.05	38.02	Ave	290	1.9	H	-2.24	35.78	54.00	-18.22
5110.95	52.88	PK	103	1.6	H	-1.09	51.79	74.00	-22.21
5110.95	38.25	Ave	103	1.6	H	-1.09	37.16	54.00	-16.84
11400.00	41.23	PK	332	1.4	H	5.14	46.37	74.00	-27.63
11400.00	36.19	Ave	332	1.4	H	5.14	41.33	54.00	-12.67
802.11a U-NII-3 Low Channel 5745MHz									
206.15	38.99	QP	20	1.8	H	-11.62	27.37	43.50	-16.13
206.15	42.47	QP	335	1.8	V	-11.62	30.85	43.50	-12.65
4506.76	56.94	PK	10	1.2	H	-2.06	54.88	74.00	-19.12
4506.76	41.96	Ave	10	1.2	H	-2.06	39.90	54.00	-14.10
5365.63	40.74	PK	348	1.7	H	5.93	46.67	74.00	-27.33
5365.63	28.88	Ave	348	1.7	H	5.93	34.81	54.00	-19.19
11490.00	46.14	PK	95	1.1	H	-1.25	44.89	74.00	-29.11
11490.00	38.24	Ave	95	1.1	H	-1.25	36.99	54.00	-17.01

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-3 middle channel 5785MHz									
206.15	38.81	QP	114	1.2	H	-11.62	27.19	43.50	-16.31
206.15	41.31	QP	166	1.7	V	-11.62	29.69	43.50	-13.81
4538.11	56.93	PK	264	1.3	H	-2.03	54.90	74.00	-19.10
4538.11	41.35	Ave	264	1.3	H	-2.03	39.32	54.00	-14.68
5383.75	39.87	PK	281	1.7	H	5.81	45.68	74.00	-28.32
5383.75	28.14	Ave	281	1.7	H	5.81	33.95	54.00	-20.05
11570.00	46.48	PK	143	1.6	H	-1.22	45.26	74.00	-28.74
11570.00	37.53	Ave	143	1.6	H	-1.22	36.31	54.00	-17.69
802.11a U-NII-3 High channel 5825MHz									
206.15	38.32	QP	183	1.6	H	-11.62	26.70	43.50	-16.80
206.15	41.95	QP	186	1.7	V	-11.62	30.33	43.50	-13.17
4537.59	55.51	PK	113	1.9	H	-1.84	53.67	74.00	-20.33
4537.59	38.55	Ave	113	1.9	H	-1.84	36.71	54.00	-17.29
5369.47	40.56	PK	194	1.8	H	5.84	46.40	74.00	-27.60
5369.47	28.77	Ave	194	1.8	H	5.84	34.61	54.00	-19.39
11650.00	46.33	PK	294	1.4	H	-1.30	45.03	74.00	-28.97
11650.00	39.52	Ave	294	1.4	H	-1.30	38.22	54.00	-15.78

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-1 Low Channel 5180MHz									
206.15	37.53	QP	126	1.4	H	-11.62	25.91	43.50	-17.59
206.15	41.98	QP	260	1.5	V	-11.62	30.36	43.50	-13.14
4502.25	54.60	PK	69	1.5	H	-2.14	52.46	74.00	-21.54
4502.25	40.40	Ave	69	1.5	H	-2.14	38.26	54.00	-15.74
5113.36	46.46	PK	135	1.8	H	-1.06	45.40	74.00	-28.60
5113.36	31.58	Ave	135	1.8	H	-1.06	30.52	54.00	-23.48
10360.00	41.62	PK	204	2.0	H	5.33	46.95	74.00	-27.05
10360.00	28.75	Ave	204	2.0	H	5.33	34.08	54.00	-19.92
802.11n(HT20) U-NII-1 Middle channel 5200MHz									
206.15	37.05	QP	174	1.5	H	-11.62	25.43	43.50	-18.07
206.15	39.77	QP	168	1.8	V	-11.62	28.15	43.50	-15.35
4538.45	53.04	PK	237	1.6	H	-2.12	50.92	74.00	-23.08
4538.45	39.15	Ave	237	1.6	H	-2.12	37.03	54.00	-16.97
5115.52	44.22	PK	15	1.3	H	-1.06	43.16	74.00	-30.84
5115.52	33.93	Ave	15	1.3	H	-1.06	32.87	54.00	-21.13
10400.00	42.18	PK	23	1.8	H	5.21	47.39	74.00	-26.61
10400.00	29.71	Ave	23	1.8	H	5.21	34.92	54.00	-19.08

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-1 High channel 5240MHz									
206.15	36.01	QP	236	1.3	H	-11.62	24.39	43.50	-19.11
206.15	42.04	QP	80	1.8	V	-11.62	30.42	43.50	-13.08
4522.36	52.19	PK	235	1.5	H	-1.96	50.23	74.00	-23.77
4522.36	40.63	Ave	235	1.5	H	-1.96	38.67	54.00	-15.33
5134.60	43.82	PK	311	1.5	H	-1.06	42.76	74.00	-31.24
5134.60	35.67	Ave	311	1.5	H	-1.06	34.61	54.00	-19.39
10480.00	40.36	PK	187	1.6	H	5.14	45.50	74.00	-28.50
10480.00	30.19	Ave	187	1.6	H	5.14	35.33	54.00	-18.67
802.11n(HT20) U-NII-2A Low Channel 5260MHz									
206.15	39.39	QP	118	1.8	H	-11.62	27.77	43.50	-15.73
206.15	43.18	QP	55	1.5	V	-11.62	31.56	43.50	-11.94
4527.38	48.89	PK	180	2.0	H	-2.03	46.86	74.00	-27.14
4527.38	42.14	Ave	180	2.0	H	-2.03	40.11	54.00	-13.89
5128.72	49.24	PK	231	1.6	H	-1.02	48.22	74.00	-25.78
5128.72	31.37	Ave	231	1.6	H	-1.02	30.35	54.00	-23.65
10520.00	41.28	PK	148	1.8	H	5.33	46.61	74.00	-27.39
10520.00	35.41	Ave	148	1.8	H	5.33	40.74	54.00	-13.26

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-2A middle channel 5280MHz									
206.15	40.13	QP	67	2.0	H	-11.62	28.51	43.50	-14.99
206.15	47.52	QP	104	1.4	V	-11.62	35.90	43.50	-7.60
4511.30	51.57	PK	287	1.8	H	-1.94	49.63	74.00	-24.37
4511.30	43.70	Ave	287	1.8	H	-1.94	41.76	54.00	-12.24
5134.07	49.60	PK	65	1.7	H	-1.06	48.54	74.00	-25.46
5134.07	34.77	Ave	65	1.7	H	-1.06	33.71	54.00	-20.29
10560.00	40.72	PK	239	1.1	H	5.21	45.93	74.00	-28.07
10560.00	33.21	Ave	239	1.1	H	5.21	38.42	54.00	-15.58
802.11n(HT20) U-NII-2A High channel 5320MHz									
206.15	40.93	QP	115	1.4	H	-11.62	29.31	43.50	-14.19
206.15	43.54	QP	321	1.9	V	-11.62	31.92	43.50	-11.58
4502.35	50.75	PK	302	1.4	H	-2.24	48.51	74.00	-25.49
4502.35	43.64	Ave	302	1.4	H	-2.24	41.40	54.00	-12.60
5115.45	50.84	PK	265	1.6	H	-1.09	49.75	74.00	-24.25
5115.45	33.68	Ave	265	1.6	H	-1.09	32.59	54.00	-21.41
10640.00	41.83	PK	121	1.1	H	5.14	46.97	74.00	-27.03
10640.00	33.47	Ave	121	1.1	H	5.14	38.61	54.00	-15.39

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-2C Low Channel 5500MHz									
206.15	35.01	QP	28	1.5	H	-11.62	23.39	43.50	-20.11
206.15	41.61	QP	114	1.2	V	-11.62	29.99	43.50	-13.51
4511.34	50.84	PK	332	1.1	H	-2.03	48.81	74.00	-25.19
4511.34	33.11	Ave	332	1.1	H	-2.03	31.08	54.00	-22.92
5132.03	45.52	PK	268	1.8	H	-1.02	44.50	74.00	-29.50
5132.03	34.79	Ave	268	1.8	H	-1.02	33.77	54.00	-20.23
11000.00	48.37	PK	144	1.7	H	5.33	53.70	74.00	-20.30
11000.00	26.98	Ave	144	1.7	H	5.33	32.31	54.00	-21.69
802.11n(HT20) U-NII-2C Middle channel 5600MHz									
206.15	37.61	QP	263	1.8	H	-11.62	25.99	43.50	-17.51
206.15	45.09	QP	335	1.6	V	-11.62	33.47	43.50	-10.03
4511.91	49.11	PK	291	1.4	H	-1.94	47.17	74.00	-26.83
4511.91	33.37	Ave	291	1.4	H	-1.94	31.43	54.00	-22.57
5134.84	47.83	PK	260	1.3	H	-1.06	46.77	74.00	-27.23
5134.84	36.27	Ave	260	1.3	H	-1.06	35.21	54.00	-18.79
11200.00	46.61	PK	205	1.7	H	5.21	51.82	74.00	-22.18
11200.00	28.26	Ave	205	1.7	H	5.21	33.47	54.00	-20.53

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-2C High channel 5700MHz									
206.15	38.62	QP	335	1.4	H	-11.62	27.00	43.50	-16.50
206.15	46.03	QP	325	1.6	V	-11.62	34.41	43.50	-9.09
4525.01	48.12	PK	3	1.8	H	-2.24	45.88	74.00	-28.12
4525.01	32.05	Ave	3	1.8	H	-2.24	29.81	54.00	-24.19
5127.88	48.30	PK	217	1.4	H	-1.09	47.21	74.00	-26.79
5127.88	35.65	Ave	217	1.4	H	-1.09	34.56	54.00	-19.44
11400.00	46.62	PK	6	1.6	H	5.14	51.76	74.00	-22.24
11400.00	29.30	Ave	6	1.6	H	5.14	34.44	54.00	-19.56
802.11n(HT20) U-NII-3 Low Channel 5745MHz									
206.15	34.68	QP	145	1.3	H	-11.62	23.06	43.50	-20.44
206.15	42.88	QP	118	1.8	V	-11.62	31.26	43.50	-12.24
4510.40	58.21	PK	111	1.7	H	-2.06	56.15	74.00	-17.85
4510.40	45.39	Ave	111	1.7	H	-2.06	43.33	54.00	-10.67
5376.37	44.83	PK	141	1.2	H	5.93	50.76	74.00	-23.24
5376.37	35.57	Ave	141	1.2	H	5.93	41.50	54.00	-12.50
11490.00	46.01	PK	311	1.9	H	-1.25	44.76	74.00	-29.24
11490.00	37.31	Ave	311	1.9	H	-1.25	36.06	54.00	-17.94

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-3 middle channel 5785MHz									
206.15	31.22	QP	301	2.0	H	-11.62	19.60	43.50	-23.90
206.15	43.89	QP	295	1.6	V	-11.62	32.27	43.50	-11.23
4502.36	59.02	PK	273	1.2	H	-2.03	56.99	74.00	-17.01
4502.36	46.02	Ave	273	1.2	H	-2.03	43.99	54.00	-10.01
5360.70	50.17	PK	144	1.4	H	5.81	55.98	74.00	-18.02
5360.70	38.62	Ave	144	1.4	H	5.81	44.43	54.00	-9.57
11570.00	45.96	PK	77	1.0	H	-1.22	44.74	74.00	-29.26
11570.00	38.64	Ave	77	1.0	H	-1.22	37.42	54.00	-16.58
802.11n(HT20) U-NII-3 High channel 5825MHz									
206.15	37.86	QP	195	1.0	H	-11.62	26.24	43.50	-17.26
206.15	45.39	QP	338	1.3	V	-11.62	33.77	43.50	-9.73
4510.19	54.69	PK	29	1.9	H	-1.84	52.85	74.00	-21.15
4510.19	43.32	Ave	29	1.9	H	-1.84	41.48	54.00	-12.52
5366.93	50.64	PK	326	1.1	H	5.84	56.48	74.00	-17.52
5366.93	41.23	Ave	326	1.1	H	5.84	47.07	54.00	-6.93
11650.00	46.41	PK	30	1.8	H	-1.30	45.11	74.00	-28.89
11650.00	37.28	Ave	30	1.8	H	-1.30	35.98	54.00	-18.02

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-1 Low Channel 5180MHz									
206.15	32.20	QP	249	1.4	H	-11.62	20.58	43.50	-22.92
206.15	39.75	QP	56	1.6	V	-11.62	28.13	43.50	-15.37
4501.57	47.02	PK	358	2.0	H	-1.86	45.16	74.00	-28.84
4501.57	36.43	Ave	358	2.0	H	-1.86	34.57	54.00	-19.43
5135.68	43.71	PK	214	1.8	H	-1.06	42.65	74.00	-31.35
5135.68	38.87	Ave	214	1.8	H	-1.06	37.81	54.00	-16.19
10360.00	45.08	PK	195	1.5	H	5.33	50.41	74.00	-23.59
10360.00	37.30	Ave	195	1.5	H	5.33	42.63	54.00	-11.37
802.11ac(VHT20) U-NII-1 Middle channel 5200MHz									
206.15	32.86	QP	49	1.4	H	-11.62	21.24	43.50	-22.26
206.15	39.14	QP	298	1.7	V	-11.62	27.52	43.50	-15.98
4539.71	48.00	PK	282	1.4	H	-1.82	46.18	74.00	-27.82
4539.71	37.11	Ave	282	1.4	H	-1.82	35.29	54.00	-18.71
5134.49	48.84	PK	51	1.4	H	-1.06	47.78	74.00	-26.22
5134.49	37.96	Ave	51	1.4	H	-1.06	36.90	54.00	-17.10
10400.00	40.18	PK	300	1.3	H	5.21	45.39	74.00	-28.61
10400.00	27.98	Ave	300	1.3	H	5.21	33.19	54.00	-20.81

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-1 High channel 5240MHz									
206.15	32.17	QP	211	1.4	H	-11.62	20.55	43.50	-22.95
206.15	38.68	QP	45	1.8	V	-11.62	27.06	43.50	-16.44
4505.55	47.58	PK	316	1.2	H	-1.81	45.77	74.00	-28.23
4505.55	36.94	Ave	316	1.2	H	-1.81	35.13	54.00	-18.87
5121.41	40.56	PK	39	1.6	H	-1.06	39.50	74.00	-34.50
5121.41	37.28	Ave	39	1.6	H	-1.06	36.22	54.00	-17.78
10480.00	41.02	PK	348	1.7	H	5.14	46.16	74.00	-27.84
10480.00	29.82	Ave	348	1.7	H	5.14	34.96	54.00	-19.04
802.11ac(VHT20) U-NII-2A Low Channel 5260MHz									
206.15	33.52	QP	81	1.4	H	-11.62	21.90	43.50	-21.60
206.15	39.86	QP	252	2.0	V	-11.62	28.24	43.50	-15.26
4516.59	43.06	PK	310	1.9	H	-2.03	41.03	74.00	-32.97
4516.59	28.84	Ave	310	1.9	H	-2.03	26.81	54.00	-27.19
5131.09	47.63	PK	287	1.7	H	-1.02	46.61	74.00	-27.39
5131.09	32.03	Ave	287	1.7	H	-1.02	31.01	54.00	-22.99
10520.00	36.67	PK	203	1.8	H	5.33	42.00	74.00	-32.00
10520.00	29.86	Ave	203	1.8	H	5.33	35.19	54.00	-18.81

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-2A middle channel 5280MHz									
206.15	37.31	QP	190	1.8	H	-11.62	25.69	43.50	-17.81
206.15	42.36	QP	24	1.4	V	-11.62	30.74	43.50	-12.76
4516.12	41.62	PK	282	1.1	H	-1.94	39.68	74.00	-34.32
4516.12	28.34	Ave	282	1.1	H	-1.94	26.40	54.00	-27.60
5130.90	45.20	PK	100	1.9	H	-1.06	44.14	74.00	-29.86
5130.90	33.30	Ave	100	1.9	H	-1.06	32.24	54.00	-21.76
10560.00	35.17	PK	231	1.2	H	5.21	40.38	74.00	-33.62
10560.00	32.50	Ave	231	1.2	H	5.21	37.71	54.00	-16.29
802.11ac(VHT20) U-NII-2A High channel 5320MHz									
206.15	35.88	QP	293	1.4	H	-11.62	24.26	43.50	-19.24
206.15	41.36	QP	220	1.1	V	-11.62	29.74	43.50	-13.76
4526.90	40.97	PK	317	1.9	H	-2.24	38.73	74.00	-35.27
4526.90	29.66	Ave	317	1.9	H	-2.24	27.42	54.00	-26.58
5139.77	45.36	PK	43	1.3	H	-1.09	44.27	74.00	-29.73
5139.77	33.74	Ave	43	1.3	H	-1.09	32.65	54.00	-21.35
10640.00	36.00	PK	354	1.4	H	5.14	41.14	74.00	-32.86
10640.00	32.06	Ave	354	1.4	H	5.14	37.20	54.00	-16.80

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-2C Low Channel 5500MHz									
206.15	37.00	QP	331	1.4	H	-11.62	25.38	43.50	-18.12
206.15	42.30	QP	233	1.0	V	-11.62	30.68	43.50	-12.82
4538.04	37.38	PK	252	1.7	H	-2.03	35.35	74.00	-38.65
4538.04	31.37	Ave	252	1.7	H	-2.03	29.34	54.00	-24.66
5114.46	47.73	PK	261	1.1	H	-1.02	46.71	74.00	-27.29
5114.46	35.25	Ave	261	1.1	H	-1.02	34.23	54.00	-19.77
11000.00	35.28	PK	325	1.1	H	5.33	40.61	74.00	-33.39
11000.00	30.67	Ave	325	1.1	H	5.33	36.00	54.00	-18.00
802.11ac(VHT20) U-NII-2C Middle channel 5600MHz									
206.15	37.97	QP	211	2.0	H	-11.62	26.35	43.50	-17.15
206.15	43.71	QP	201	1.9	V	-11.62	32.09	43.50	-11.41
4532.94	36.40	PK	344	1.6	H	-1.94	34.46	74.00	-39.54
4532.94	32.16	Ave	344	1.6	H	-1.94	30.22	54.00	-23.78
5130.02	48.63	PK	284	1.3	H	-1.06	47.57	74.00	-26.43
5130.02	35.30	Ave	284	1.3	H	-1.06	34.24	54.00	-19.76
11200.00	36.49	PK	194	1.7	H	5.21	41.70	74.00	-32.30
11200.00	35.37	Ave	194	1.7	H	5.21	40.58	54.00	-13.42

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-2C High channel 5700MHz									
206.15	38.11	QP	222	1.9	H	-11.62	26.49	43.50	-17.01
206.15	39.90	QP	215	1.5	V	-11.62	28.28	43.50	-15.22
4522.80	39.31	PK	316	1.2	H	-2.24	37.07	74.00	-36.93
4522.80	34.73	Ave	316	1.2	H	-2.24	32.49	54.00	-21.51
5128.55	45.86	PK	283	1.4	H	-1.09	44.77	74.00	-29.23
5128.55	32.79	Ave	283	1.4	H	-1.09	31.70	54.00	-22.30
11400.00	35.66	PK	205	1.0	H	5.14	40.80	74.00	-33.20
11400.00	28.75	Ave	205	1.0	H	5.14	33.89	54.00	-20.11
802.11ac(VHT20) U-NII-3 Low Channel 5745MHz									
206.15	32.81	QP	341	1.4	H	-11.62	21.19	43.50	-22.31
206.15	44.22	QP	97	1.1	V	-11.62	32.60	43.50	-10.90
4516.34	42.96	PK	233	1.4	H	-1.92	41.04	74.00	-32.96
4516.34	35.99	Ave	233	1.4	H	-1.92	34.07	54.00	-19.93
5363.51	38.23	PK	276	1.9	H	5.93	44.16	74.00	-29.84
5363.51	28.08	Ave	276	1.9	H	5.93	34.01	54.00	-19.99
11490.00	45.71	PK	337	1.7	H	-1.03	44.68	74.00	-29.32
11490.00	39.12	Ave	337	1.7	H	-1.03	38.09	54.00	-15.91

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-3 middle channel 5785MHz									
206.15	32.62	QP	350	1.9	H	-11.62	21.00	43.50	-22.50
206.15	43.25	QP	133	1.1	V	-11.62	31.63	43.50	-11.87
4519.30	42.11	PK	332	1.1	H	-1.97	40.14	74.00	-33.86
4519.30	35.02	Ave	332	1.1	H	-1.97	33.05	54.00	-20.95
5384.66	40.67	PK	93	1.8	H	5.81	46.48	74.00	-27.52
5384.66	28.72	Ave	93	1.8	H	5.81	34.53	54.00	-19.47
11570.00	46.00	PK	246	1.6	H	-1.05	44.95	74.00	-29.05
11570.00	37.86	Ave	246	1.6	H	-1.05	36.81	54.00	-17.19
802.11ac(VHT20) U-NII-3 High channel 5825MHz									
206.15	35.10	QP	326	1.6	H	-11.62	23.48	43.50	-20.02
206.15	43.76	QP	309	1.9	V	-11.62	32.14	43.50	-11.36
4501.75	43.09	PK	283	1.6	H	-1.88	41.21	74.00	-32.79
4501.75	36.18	Ave	283	1.6	H	-1.88	34.30	54.00	-19.70
5376.73	41.33	PK	152	1.9	H	5.84	47.17	74.00	-26.83
5376.73	29.60	Ave	152	1.9	H	5.84	35.44	54.00	-18.56
11650.00	46.41	PK	280	1.9	H	-1.06	45.35	74.00	-28.65
11650.00	37.65	Ave	280	1.9	H	-1.06	36.59	54.00	-17.41

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT40) U-NII-1 Low Channel 5190MHz									
206.15	36.49	QP	206	1.2	H	-11.62	24.87	43.50	-18.63
206.15	43.49	QP	101	1.3	V	-11.62	31.87	43.50	-11.63
4521.23	53.11	PK	144	1.3	H	-1.89	51.22	74.00	-22.78
4521.23	40.97	Ave	144	1.3	H	-1.89	39.08	54.00	-14.92
5115.27	48.40	PK	205	1.4	H	-1.06	47.34	74.00	-26.66
5115.27	34.76	Ave	205	1.4	H	-1.06	33.70	54.00	-20.30
10380.00	39.78	PK	31	1.5	H	5.26	45.04	74.00	-28.96
10380.00	27.60	Ave	31	1.5	H	5.26	32.86	54.00	-21.14
802.11n(HT40) U-NII-1 High channel 5230MHz									
206.15	32.10	QP	58	1.4	H	-11.62	20.48	43.50	-23.02
206.15	44.30	QP	140	1.7	V	-11.62	32.68	43.50	-10.82
4538.04	53.95	PK	209	1.8	H	-1.94	52.01	74.00	-21.99
4538.04	41.80	Ave	209	1.8	H	-1.94	39.86	54.00	-14.14
5132.30	50.65	PK	328	1.5	H	-1.06	49.59	74.00	-24.41
5132.30	36.49	Ave	328	1.5	H	-1.06	35.43	54.00	-18.57
10460.00	42.90	PK	84	1.3	H	5.28	48.18	74.00	-25.82
10460.00	28.77	Ave	84	1.3	H	5.28	34.05	54.00	-19.95

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT40) U-NII-2A Low Channel 5270MHz									
206.15	30.80	QP	345	2.0	H	-11.62	19.18	43.50	-24.32
206.15	40.54	QP	192	1.9	V	-11.62	28.92	43.50	-14.58
4534.58	53.17	PK	184	1.8	H	-1.89	51.28	74.00	-22.72
4534.58	39.81	Ave	184	1.8	H	-1.89	37.92	54.00	-16.08
5123.18	47.08	PK	7	1.2	H	-1.06	46.02	74.00	-27.98
5123.18	33.15	Ave	7	1.2	H	-1.06	32.09	54.00	-21.91
10540.00	45.71	PK	243	1.3	H	5.26	50.97	74.00	-23.03
10540.00	34.16	Ave	243	1.3	H	5.26	39.42	54.00	-14.58
802.11n(HT40) U-NII-2A High channel 5310MHz									
206.15	30.95	QP	144	1.2	H	-11.62	19.33	43.50	-24.17
206.15	40.41	QP	263	1.9	V	-11.62	28.79	43.50	-14.71
4529.90	52.77	PK	75	1.6	H	-1.94	50.83	74.00	-23.17
4529.90	39.09	Ave	75	1.6	H	-1.94	37.15	54.00	-16.85
5113.98	47.11	PK	107	1.1	H	-1.06	46.05	74.00	-27.95
5113.98	32.50	Ave	107	1.1	H	-1.06	31.44	54.00	-22.56
10620.00	41.78	PK	160	1.3	H	5.28	47.06	74.00	-26.94
10620.00	30.77	Ave	160	1.3	H	5.28	36.05	54.00	-17.95

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT40) U-NII-2C Low Channel 5510MHz									
206.15	30.33	QP	340	1.1	H	-11.62	18.71	43.50	-24.79
206.15	39.99	QP	327	1.8	V	-11.62	28.37	43.50	-15.13
4532.17	51.31	PK	336	1.1	H	-1.89	49.42	74.00	-24.58
4532.17	40.54	Ave	336	1.1	H	-1.89	38.65	54.00	-15.35
5128.73	53.98	PK	307	1.2	H	-1.06	52.92	74.00	-21.08
5128.73	33.63	Ave	307	1.2	H	-1.06	32.57	54.00	-21.43
11020.00	44.83	PK	9	1.0	H	5.26	50.09	74.00	-23.91
11020.00	31.87	Ave	9	1.0	H	5.26	37.13	54.00	-16.87
802.11n(HT40) U-NII-2C Middle channel 5550MHz									
206.15	30.91	QP	270	1.9	H	-11.62	19.29	43.50	-24.21
206.15	39.80	QP	136	1.3	V	-11.62	28.18	43.50	-15.32
4504.87	51.61	PK	253	1.6	H	-1.94	49.67	74.00	-24.33
4504.87	40.35	Ave	253	1.6	H	-1.94	38.41	54.00	-15.59
5149.98	54.20	PK	55	1.2	H	-1.06	53.14	74.00	-20.86
5149.98	33.94	Ave	55	1.2	H	-1.06	32.88	54.00	-21.12
11100.00	46.15	PK	75	1.5	H	5.28	51.43	74.00	-22.57
11100.00	33.78	Ave	75	1.5	H	5.28	39.06	54.00	-14.94
802.11n(HT40) U-NII-2C High channel 5670MHz									
206.15	31.19	QP	346	1.5	H	-11.62	19.57	43.50	-23.93
206.15	40.18	QP	332	1.3	V	-11.62	28.56	43.50	-14.94
4506.47	52.33	PK	130	1.6	H	-1.94	50.39	74.00	-23.61
4506.47	39.38	Ave	130	1.6	H	-1.94	37.44	54.00	-16.56
5126.18	54.73	PK	173	1.5	H	-1.06	53.67	74.00	-20.33
5126.18	33.63	Ave	173	1.5	H	-1.06	32.57	54.00	-21.43
11340.00	42.33	PK	298	1.3	H	5.28	47.61	74.00	-26.39
11340.00	33.35	Ave	298	1.3	H	5.28	38.63	54.00	-15.37

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT40) U-NII-3 Low Channel 5755MHz									
206.15	32.09	QP	220	1.9	H	-11.62	20.47	43.50	-23.03
206.15	40.87	QP	195	1.8	V	-11.62	29.25	43.50	-14.25
4505.08	53.14	PK	217	1.5	H	-1.96	51.18	74.00	-22.82
4505.08	41.73	Ave	217	1.5	H	-1.96	39.77	54.00	-14.23
5388.45	39.92	PK	115	1.6	H	5.88	45.80	74.00	-28.20
5388.45	27.63	Ave	115	1.6	H	5.88	33.51	54.00	-20.49
11510.00	45.99	PK	115	1.6	H	-1.01	44.98	74.00	-29.02
11510.00	37.40	Ave	115	1.6	H	-1.01	36.39	54.00	-17.61
802.11n(HT40) U-NII-3 High Channel 5795MHz									
206.15	34.80	QP	247	2.0	H	-11.62	23.18	43.50	-20.32
206.15	44.67	QP	73	1.5	V	-11.62	33.05	43.50	-10.45
4530.16	49.45	PK	111	1.5	H	-1.92	47.53	74.00	-26.47
4530.16	38.71	Ave	111	1.5	H	-1.92	36.79	54.00	-17.21
5355.34	41.36	PK	112	1.2	H	5.63	46.99	74.00	-27.01
5355.34	28.22	Ave	112	1.2	H	5.63	33.85	54.00	-20.15
11590.00	46.84	PK	174	1.1	H	-1.04	45.80	74.00	-28.20
11590.00	39.57	Ave	174	1.1	H	-1.04	38.53	54.00	-15.47

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-1 Low Channel 5190MHz									
206.15	34.92	QP	187	1.7	H	-11.62	23.30	43.50	-20.20
206.15	41.88	QP	97	1.6	V	-11.62	30.26	43.50	-13.24
4535.89	49.16	PK	307	1.2	H	-1.91	47.25	74.00	-26.75
4535.89	37.56	Ave	307	1.2	H	-1.91	35.65	54.00	-18.35
5117.34	48.19	PK	123	1.2	H	-1.06	47.13	74.00	-26.87
5117.34	37.74	Ave	123	1.2	H	-1.06	36.68	54.00	-17.32
10380.00	38.22	PK	176	1.2	H	5.26	43.48	74.00	-30.52
10380.00	26.74	Ave	176	1.2	H	5.26	32.00	54.00	-22.00
802.11ac(VHT40) U-NII-1 High channel 5230MHz									
206.15	35.54	QP	228	1.1	H	-11.62	23.92	43.50	-19.58
206.15	41.45	QP	311	1.7	V	-11.62	29.83	43.50	-13.67
4504.88	49.56	PK	219	1.2	H	-1.93	47.63	74.00	-26.37
4504.88	38.45	Ave	219	1.2	H	-1.93	36.52	54.00	-17.48
5116.27	49.47	PK	270	1.3	H	-1.06	48.41	74.00	-25.59
5116.27	37.56	Ave	270	1.3	H	-1.06	36.50	54.00	-17.50
10460.00	40.23	PK	141	2.0	H	5.28	45.51	74.00	-28.49
10460.00	29.69	Ave	141	2.0	H	5.28	34.97	54.00	-19.03

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-2A Low Channel 5270MHz									
206.15	30.04	QP	350	1.5	H	-11.62	18.42	43.50	-25.08
206.15	35.46	QP	204	1.1	V	-11.62	23.84	43.50	-19.66
4525.13	40.97	PK	49	1.4	H	-1.89	39.08	74.00	-34.92
4525.13	30.20	Ave	49	1.4	H	-1.89	28.31	54.00	-25.69
5125.69	46.03	PK	83	1.1	H	-1.06	44.97	74.00	-29.03
5125.69	34.97	Ave	83	1.1	H	-1.06	33.91	54.00	-20.09
10540.00	38.29	PK	335	1.5	H	5.26	43.55	74.00	-30.45
10540.00	30.09	Ave	335	1.5	H	5.26	35.35	54.00	-18.65
802.11ac(VHT40) U-NII-2A High channel 5310MHz									
206.15	30.83	QP	227	1.6	H	-11.62	19.21	43.50	-24.29
206.15	35.73	QP	348	1.2	V	-11.62	24.11	43.50	-19.39
4512.54	41.61	PK	92	1.9	H	-1.94	39.67	74.00	-34.33
4512.54	30.43	Ave	92	1.9	H	-1.94	28.49	54.00	-25.51
5131.21	46.91	PK	125	1.9	H	-1.06	45.85	74.00	-28.15
5131.21	35.83	Ave	125	1.9	H	-1.06	34.77	54.00	-19.23
10620.00	39.26	PK	257	1.7	H	5.28	44.54	74.00	-29.46
10620.00	36.46	Ave	257	1.7	H	5.28	41.74	54.00	-12.26

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-2C Low Channel 5510MHz									
206.15	30.14	QP	52	1.3	H	-11.62	18.52	43.50	-24.98
206.15	36.43	QP	349	1.6	V	-11.62	24.81	43.50	-18.69
4514.64	38.51	PK	157	1.9	H	-1.89	36.62	74.00	-37.38
4514.64	35.92	Ave	157	1.9	H	-1.89	34.03	54.00	-19.97
5141.44	47.45	PK	297	1.2	H	-1.06	46.39	74.00	-27.61
5141.44	35.95	Ave	297	1.2	H	-1.06	34.89	54.00	-19.11
11020.00	36.09	PK	292	1.5	H	5.26	41.35	74.00	-32.65
11020.00	35.75	Ave	292	1.5	H	5.26	41.01	54.00	-12.99
802.11ac(VHT40) U-NII-2C Middle channel 5550MHz									
206.15	30.41	QP	316	1.3	H	-11.62	18.79	43.50	-24.71
206.15	37.40	QP	74	1.5	V	-11.62	25.78	43.50	-17.72
4529.14	39.45	PK	4	2.0	H	-1.94	37.51	74.00	-36.49
4529.14	36.58	Ave	4	2.0	H	-1.94	34.64	54.00	-19.36
5131.99	48.35	PK	43	1.6	H	-1.06	47.29	74.00	-26.71
5131.99	35.66	Ave	43	1.6	H	-1.06	34.60	54.00	-19.40
11100.00	36.59	PK	294	1.1	H	5.28	41.87	74.00	-32.13
11100.00	34.76	Ave	294	1.1	H	5.28	40.04	54.00	-13.96
802.11ac(VHT40) U-NII-2C High channel 5670MHz									
206.15	29.94	QP	15	1.4	H	-11.62	18.32	43.50	-25.18
206.15	37.25	QP	293	1.8	V	-11.62	25.63	43.50	-17.87
4511.79	40.05	PK	106	1.3	H	-1.94	38.11	74.00	-35.89
4511.79	35.67	Ave	106	1.3	H	-1.94	33.73	54.00	-20.27
5135.41	48.26	PK	41	1.3	H	-1.06	47.20	74.00	-26.80
5135.41	34.75	Ave	41	1.3	H	-1.06	33.69	54.00	-20.31
11340.00	39.88	PK	149	1.5	H	5.28	45.16	74.00	-28.84
11340.00	37.03	Ave	149	1.5	H	5.28	42.31	54.00	-11.69

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-3 Low Channel 5755MHz									
206.15	26.51	QP	205	1.1	H	-11.62	14.89	43.50	-28.61
206.15	40.82	QP	187	1.4	V	-11.62	29.20	43.50	-14.30
4518.32	45.30	PK	192	1.2	H	-1.92	43.38	74.00	-30.62
4518.32	35.06	Ave	192	1.2	H	-1.92	33.14	54.00	-20.86
5373.97	38.70	PK	269	1.4	H	5.88	44.58	74.00	-29.42
5373.97	27.95	Ave	269	1.4	H	5.88	33.83	54.00	-20.17
11510.00	45.30	PK	224	1.3	H	-1.07	44.23	74.00	-29.77
11510.00	37.27	Ave	224	1.3	H	-1.07	36.20	54.00	-17.80
802.11ac(VHT40) U-NII-3 High Channel 5795MHz									
206.15	30.77	QP	21	1.8	H	-11.62	19.15	43.50	-24.35
206.15	40.70	QP	344	1.5	V	-11.62	29.08	43.50	-14.42
4520.71	51.02	PK	250	1.6	H	-1.86	49.16	74.00	-24.84
4520.71	34.14	Ave	250	1.6	H	-1.86	32.28	54.00	-21.72
5373.04	41.50	PK	203	1.7	H	5.63	47.13	74.00	-26.87
5373.04	28.80	Ave	203	1.7	H	5.63	34.43	54.00	-19.57
11590.00	45.52	PK	90	1.9	H	-1.03	44.49	74.00	-29.51
11590.00	39.05	Ave	90	1.9	H	-1.03	38.02	54.00	-15.98

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT80) U-NII-1 Low Channel 5210MHz									
206.15	36.90	QP	208	1.3	H	-11.62	25.28	43.50	-18.22
206.15	44.78	QP	341	1.0	V	-11.62	33.16	43.50	-10.34
4509.97	41.63	PK	258	1.1	H	-1.88	39.75	74.00	-34.25
4509.97	37.76	Ave	258	1.1	H	-1.88	35.88	54.00	-18.12
5149.21	46.90	PK	300	1.2	H	-1.06	45.84	74.00	-28.16
5149.21	43.14	Ave	300	1.2	H	-1.06	42.08	54.00	-11.92
10420.00	40.36	PK	110	1.2	H	4.65	45.01	74.00	-28.99
10420.00	29.68	Ave	110	1.2	H	4.65	34.33	54.00	-19.67
802.11ac(VHT80) U-NII-2A Low Channel 5290MHz									
206.15	31.23	QP	244	1.3	H	-11.62	19.61	43.50	-23.89
206.15	37.96	QP	234	1.7	V	-11.62	26.34	43.50	-17.16
4532.91	43.12	PK	74	1.1	H	-1.88	41.24	74.00	-32.76
4532.91	40.25	Ave	74	1.1	H	-1.88	38.37	54.00	-15.63
5144.16	47.07	PK	360	1.1	H	-1.06	46.01	74.00	-27.99
5144.16	44.57	Ave	360	1.1	H	-1.06	43.51	54.00	-10.49
10580.00	30.23	PK	224	1.6	H	4.65	34.88	74.00	-39.12
10580.00	29.03	Ave	224	1.6	H	4.65	33.68	54.00	-20.32

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT80) U-NII-2C Low Channel 5530MHz									
206.15	31.54	QP	51	1.1	H	-11.62	19.92	43.50	-23.58
206.15	39.45	QP	315	1.6	V	-11.62	27.83	43.50	-15.67
4509.15	45.83	PK	286	1.2	H	-1.88	43.95	74.00	-30.05
4509.15	41.31	Ave	286	1.2	H	-1.88	39.43	54.00	-14.57
5111.19	41.76	PK	330	1.7	H	-1.06	40.70	74.00	-33.30
5111.19	30.60	Ave	330	1.7	H	-1.06	29.54	54.00	-24.46
11060.00	44.50	PK	160	1.7	H	4.65	49.15	74.00	-24.85
11060.00	31.50	Ave	160	1.7	H	4.65	36.15	54.00	-17.85
802.11ac(VHT80) U-NII-3 Low channel 5775MHz									
206.15	31.87	QP	315	1.8	H	-11.62	20.25	43.50	-23.25
206.15	39.21	QP	74	1.1	V	-11.62	27.59	43.50	-15.91
4524.84	40.33	PK	210	1.6	H	-1.85	38.48	74.00	-35.52
4524.84	32.85	Ave	210	1.6	H	-1.85	31.00	54.00	-23.00
5352.94	41.06	PK	328	1.5	H	4.83	45.89	74.00	-28.11
5352.94	29.39	Ave	328	1.5	H	4.83	34.22	54.00	-19.78
11550.00	46.28	PK	260	1.2	H	-1.14	45.14	74.00	-28.86
11550.00	38.51	Ave	260	1.2	H	-1.14	37.37	54.00	-16.63

Test Frequency: 12GHz~40GHz

The measurements were more than 20 dB below the limit and not reported.

10 Band Edge

Test Requirement:	FCC 47CFR Part 15 Section 15.407
Test Method:	ANSI C63.10-2020
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27dBm/MHz. For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.725-5.85 GHz band: (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. (ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
Test Result:	PASS

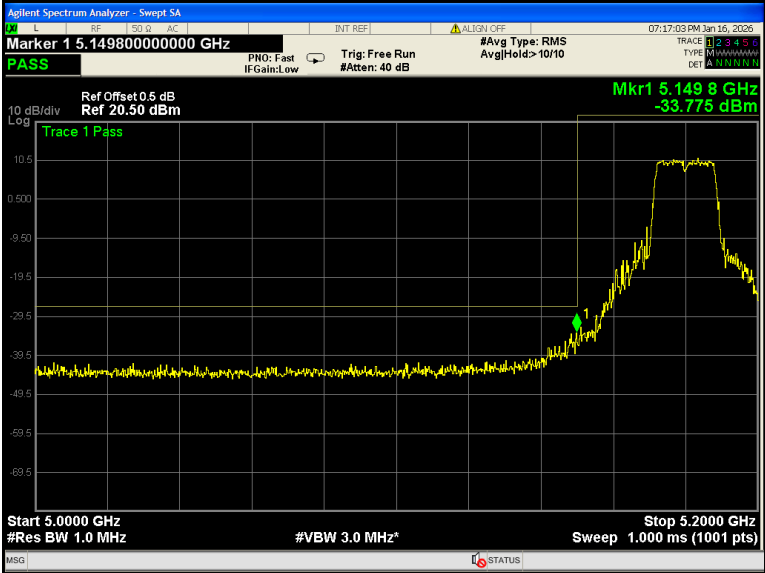
10.1 Test Produce

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

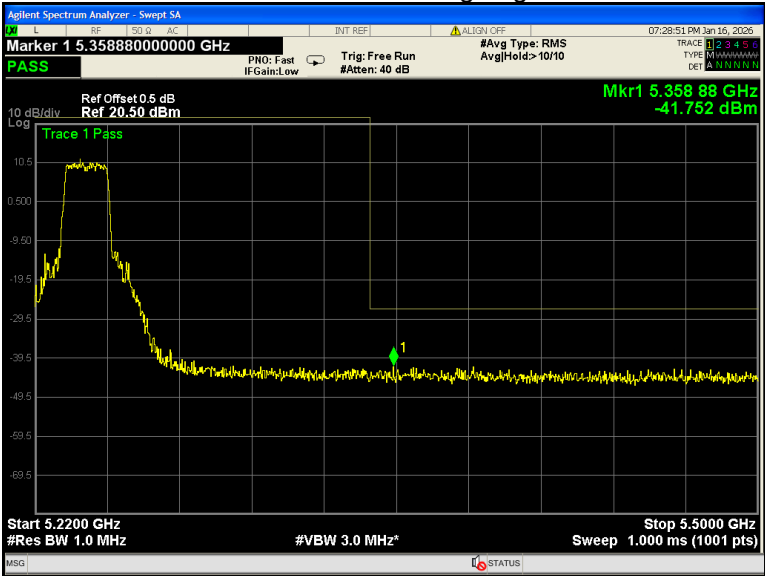
10.2 Test Result

Test result plots shown as follows:

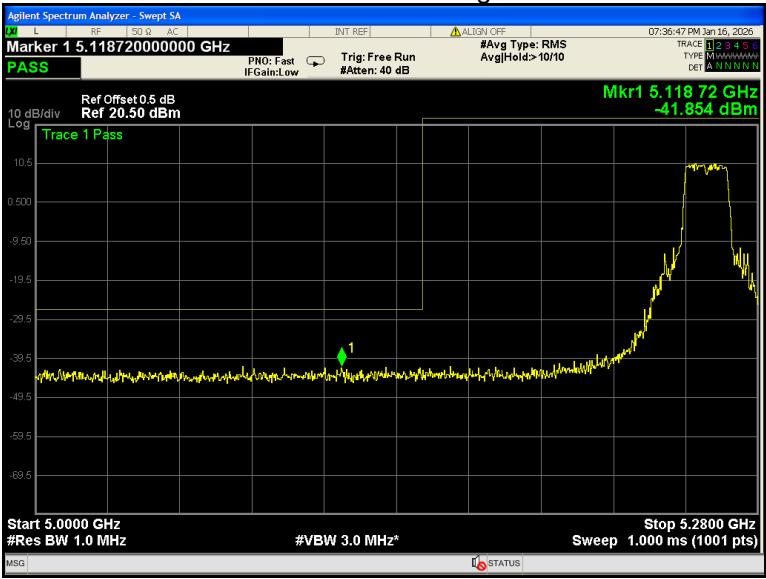
802.11a U-NII-1 Band edge-left side



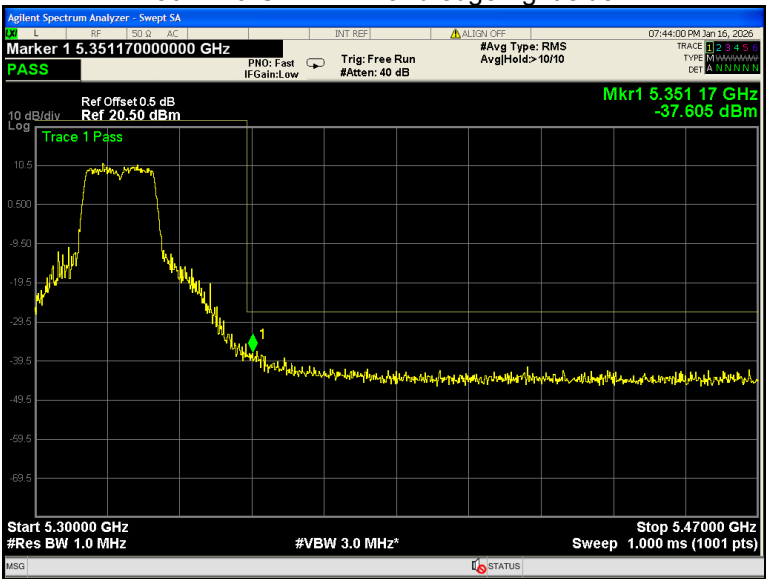
802.11a U-NII-1 Band edge-right side



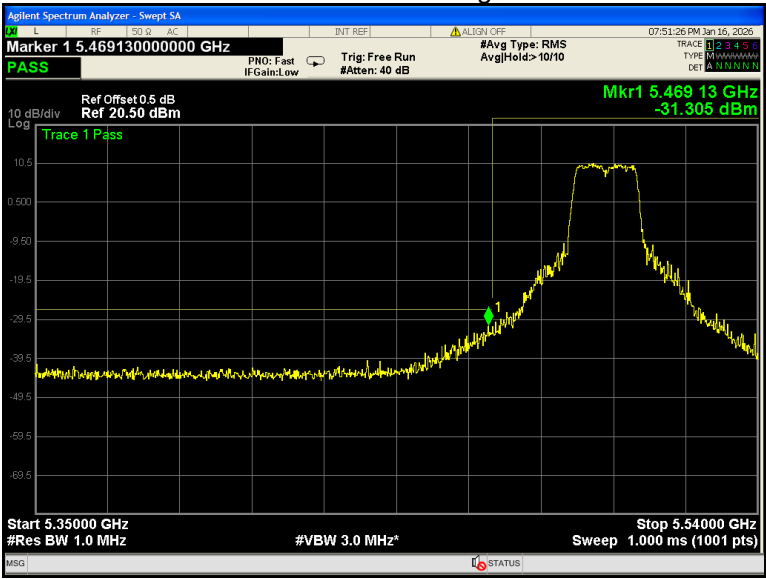
802.11a U-NII-2A Band edge-left side



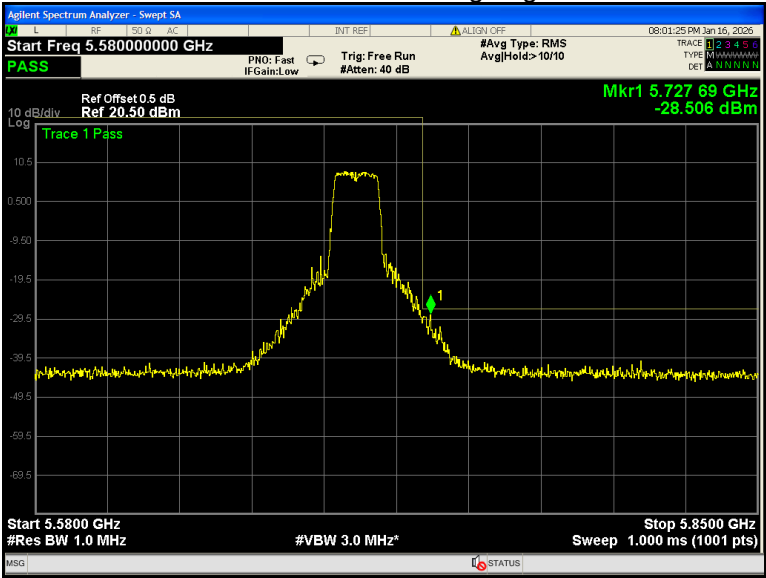
802.11a U-NII-2A Band edge-right side



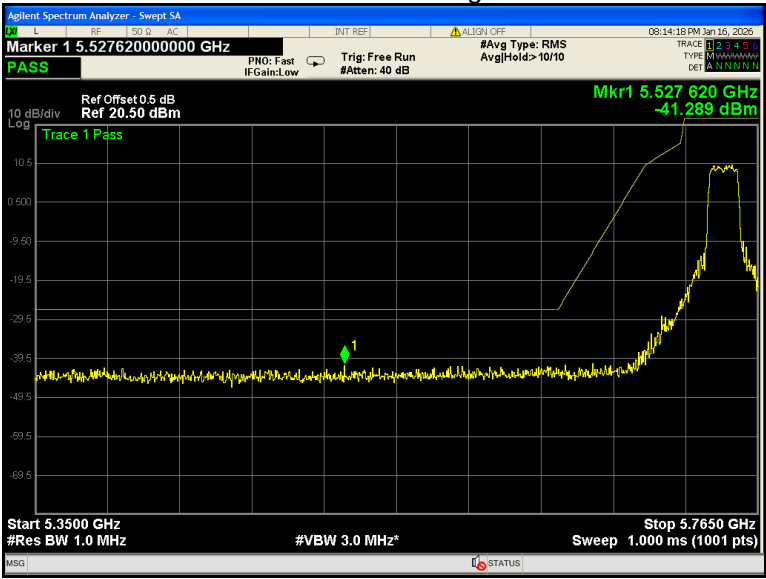
802.11a U-NII-2C Band edge-left side



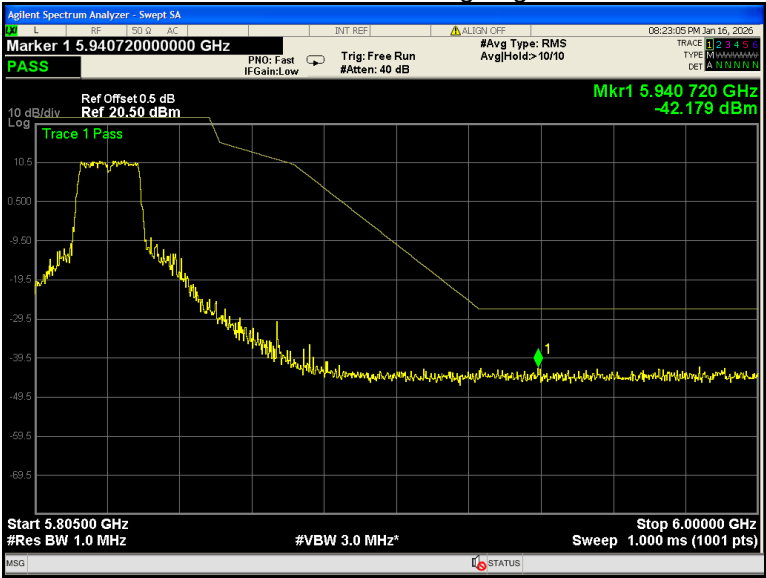
802.11a U-NII-2C Band edge-right side



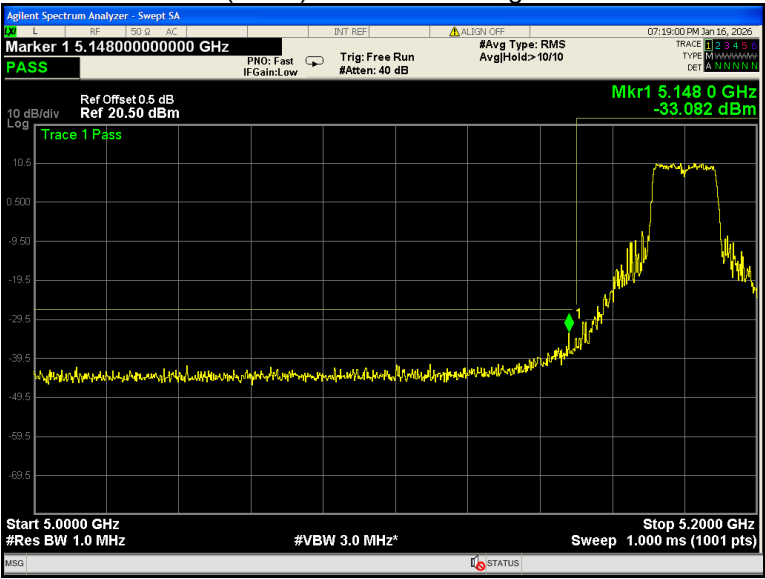
802.11a U-NII-3 Band edge-left side



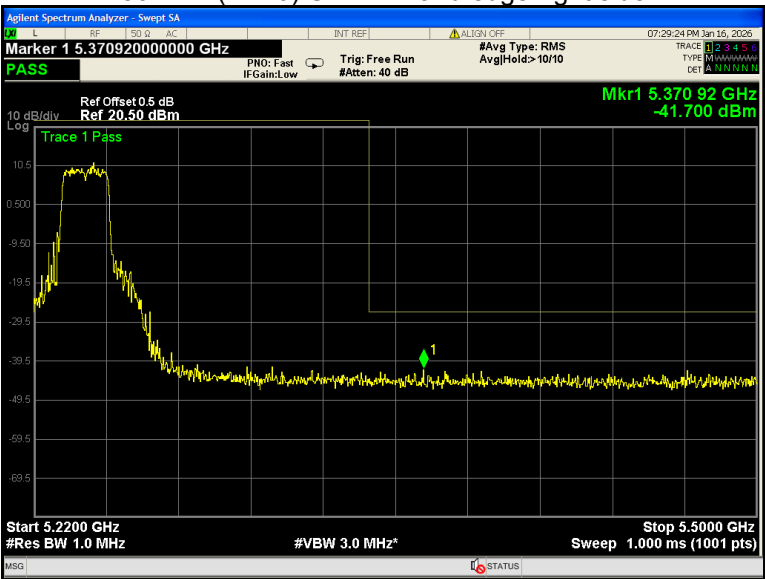
802.11a U-NII-3 Band edge-right side



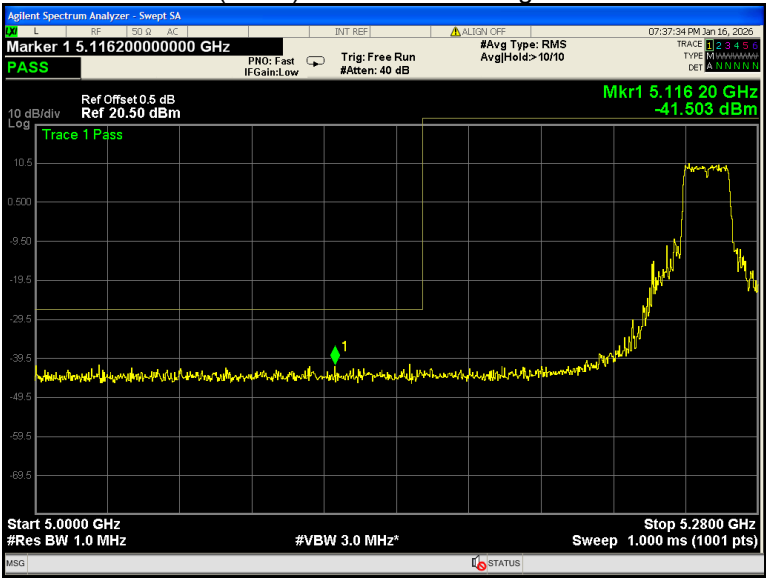
802.11n(HT20) U-NII-1 Band edge-left side



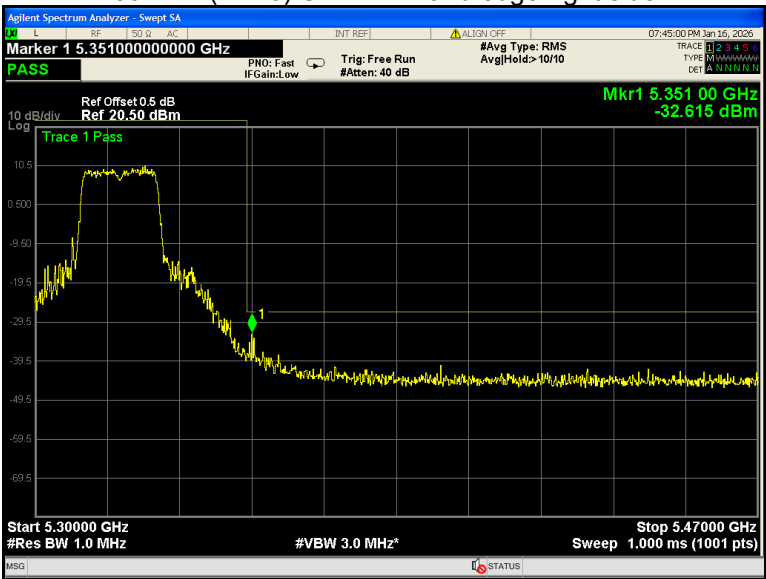
802.11n(HT20) U-NII-1 Band edge-right side



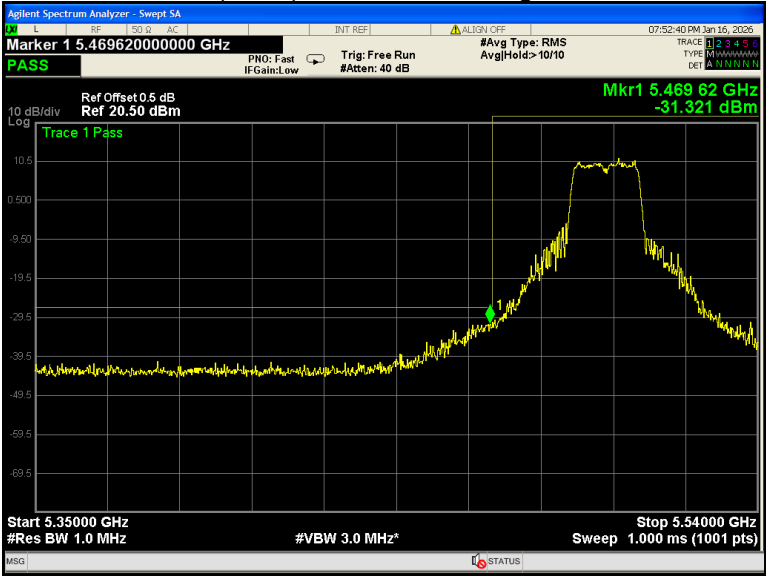
802.11n(HT20) U-NII-2A Band edge-left side



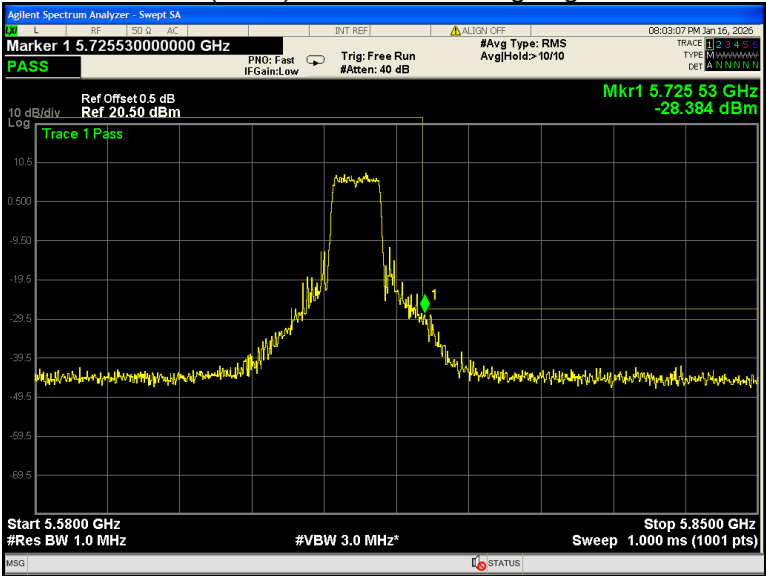
802.11n(HT20) U-NII-2A Band edge-right side



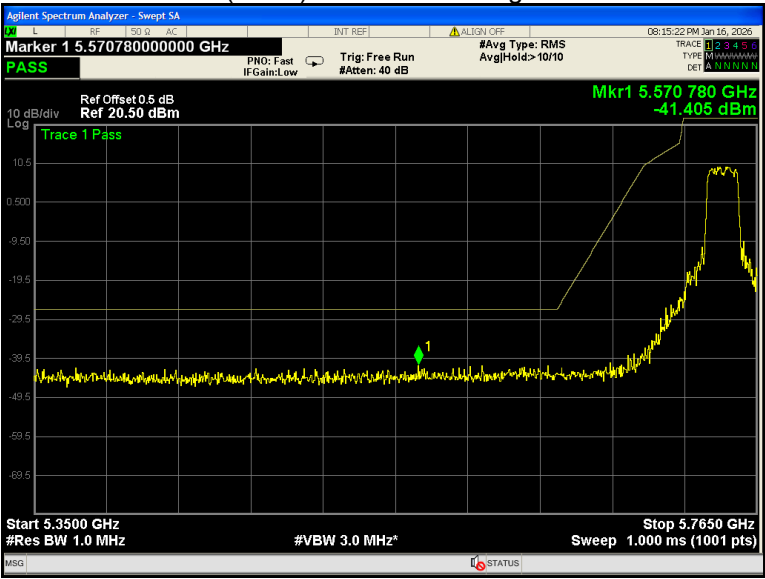
802.11n(HT20) U-NII-2C Band edge-left side



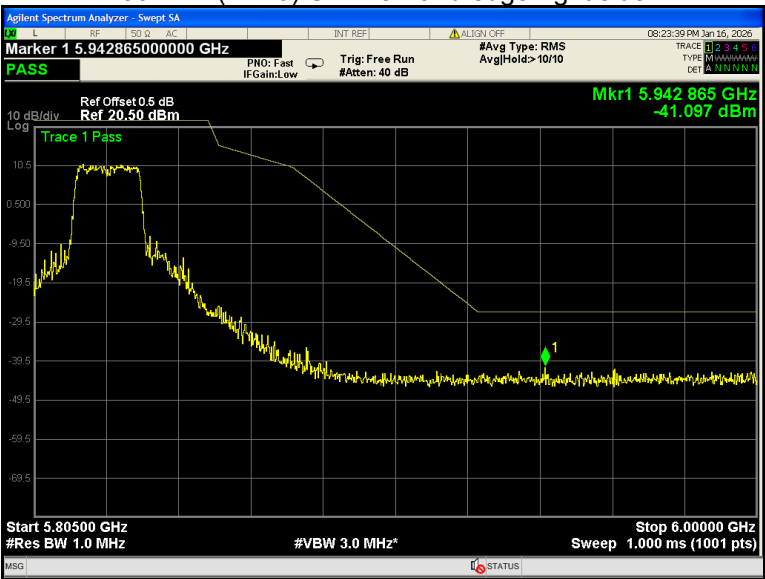
802.11n(HT20) U-NII-2C Band edge-right side



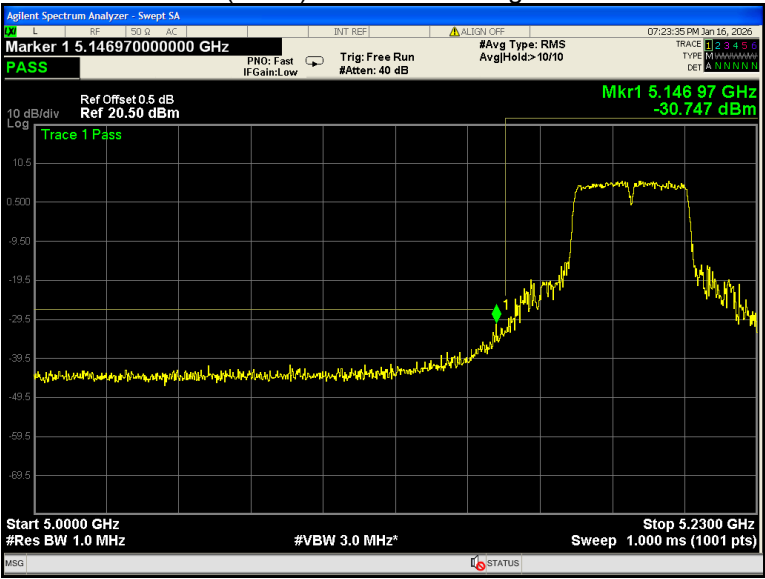
802.11n(HT20) U-NII-3 Band edge-left side



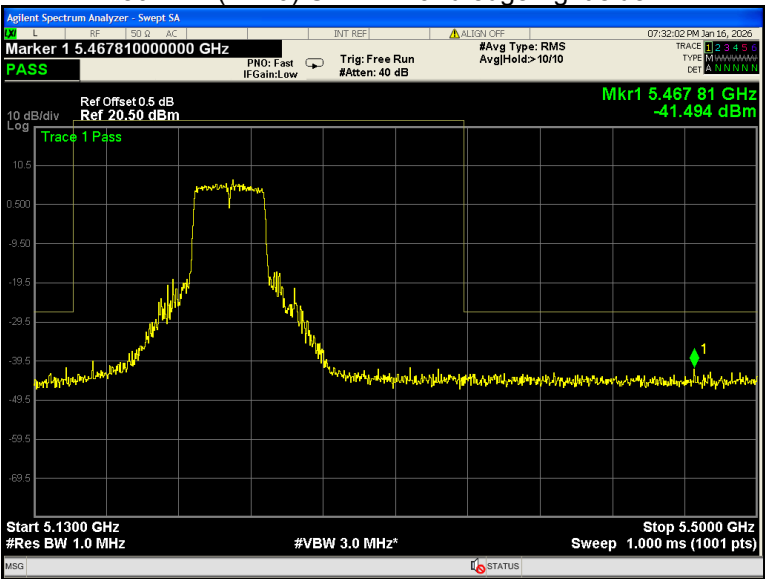
802.11n(HT20) U-NII-3 Band edge-right side



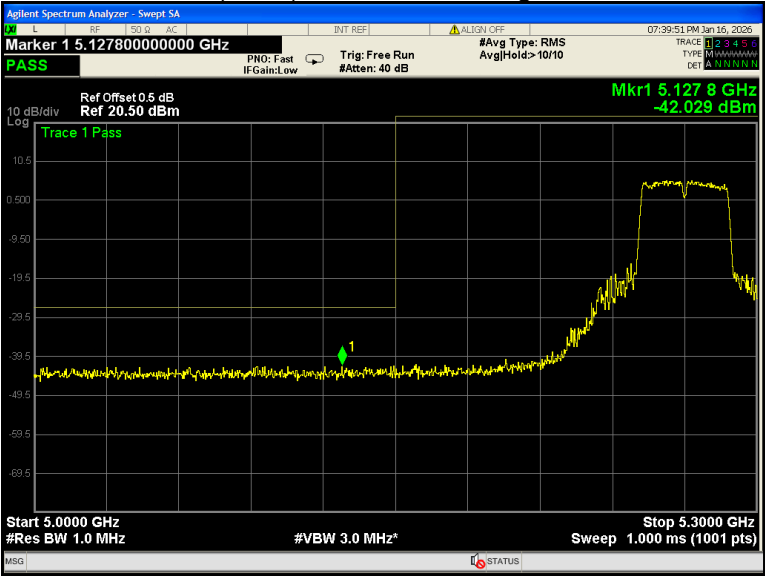
802.11n(HT40) U-NII-1 Band edge-left side



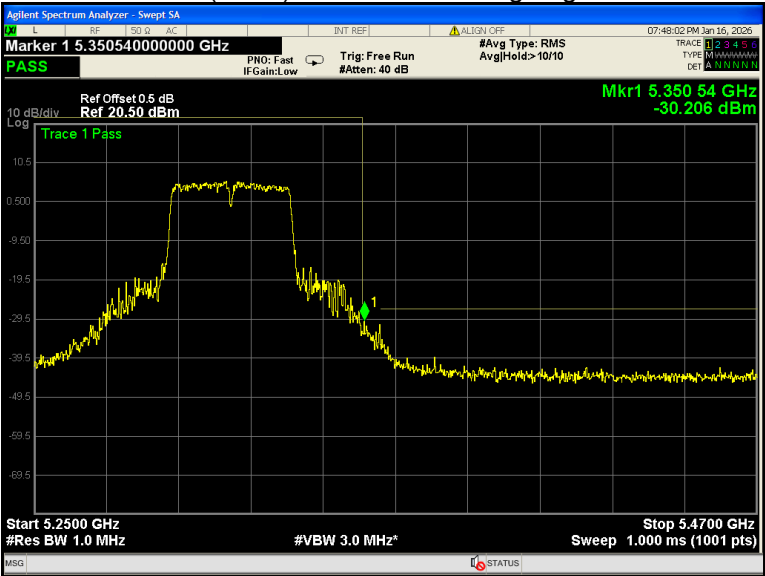
802.11n(HT40) U-NII-1 Band edge-right side



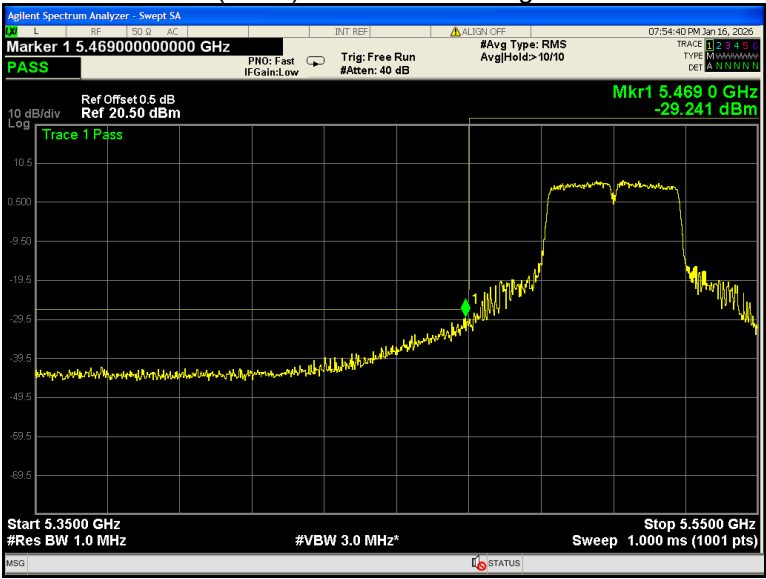
802.11n(HT40) U-NII-2A Band edge-left side



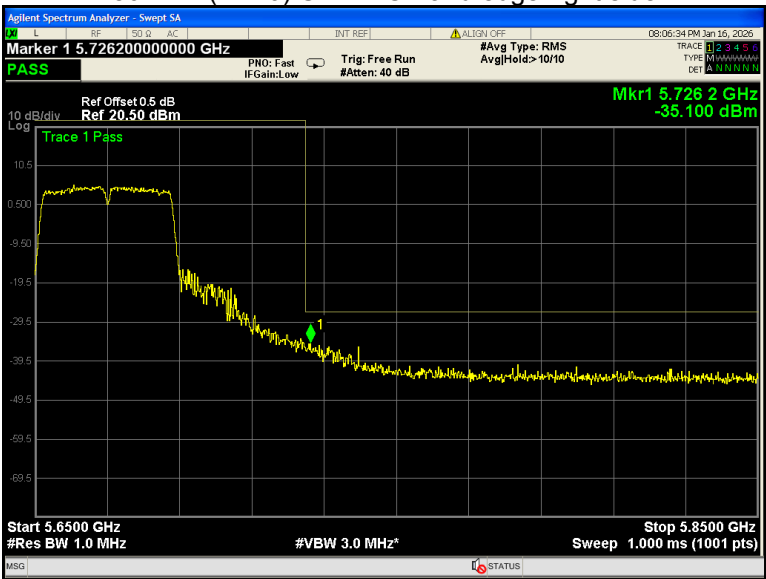
802.11n(HT40) U-NII-2A Band edge-right side



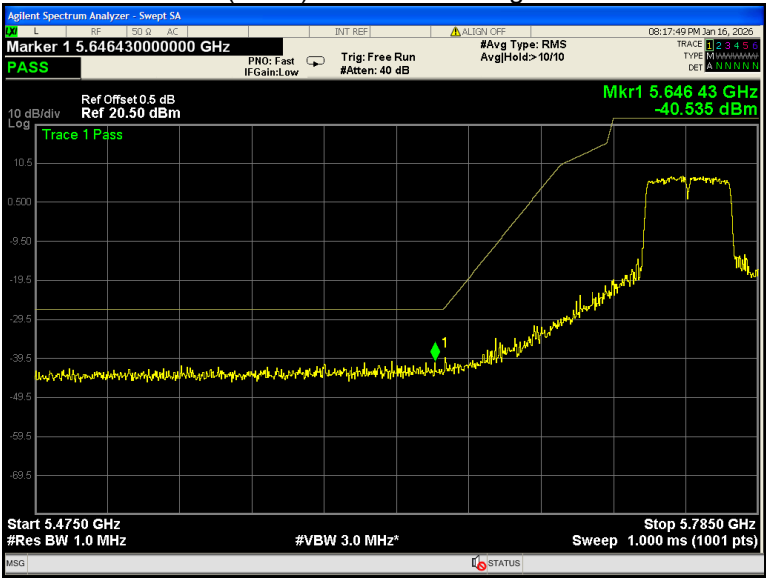
802.11n(HT40) U-NII-2C Band edge-left side



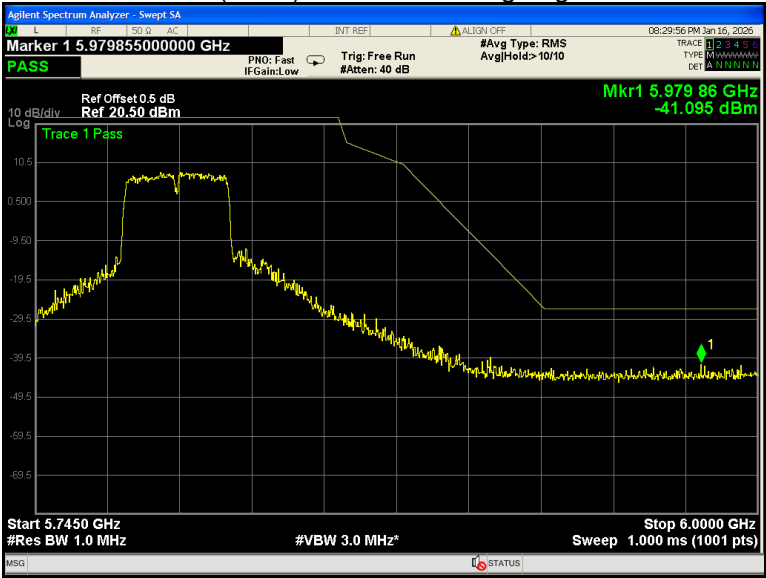
802.11n(HT40) U-NII-2C Band edge-right side



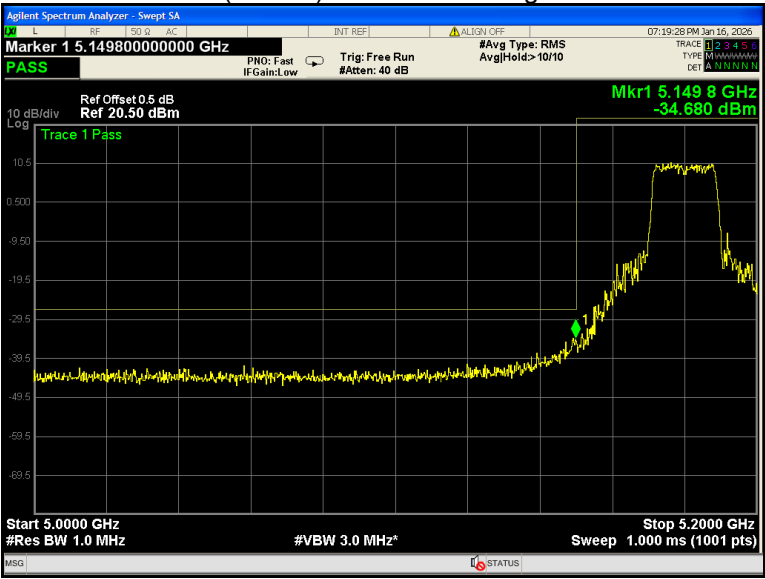
802.11n(HT40) U-NII-3 Band edge-left side



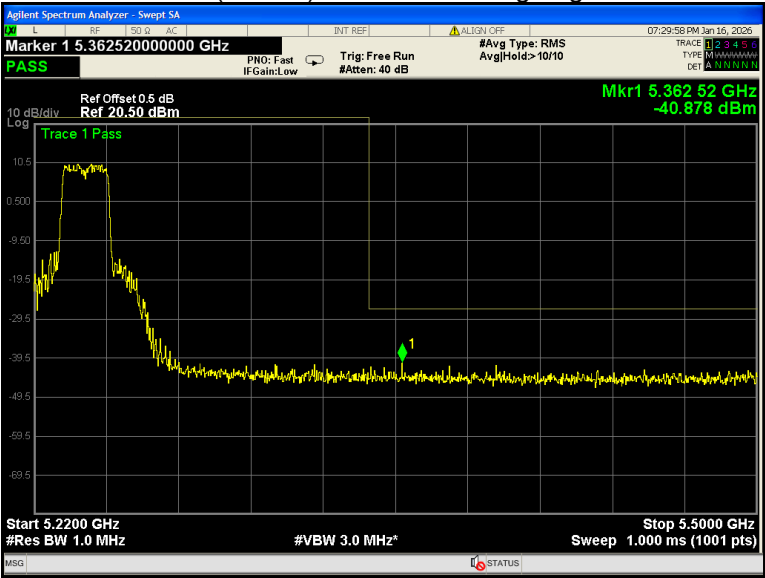
802.11n(HT40) U-NII-3 Band edge-right side



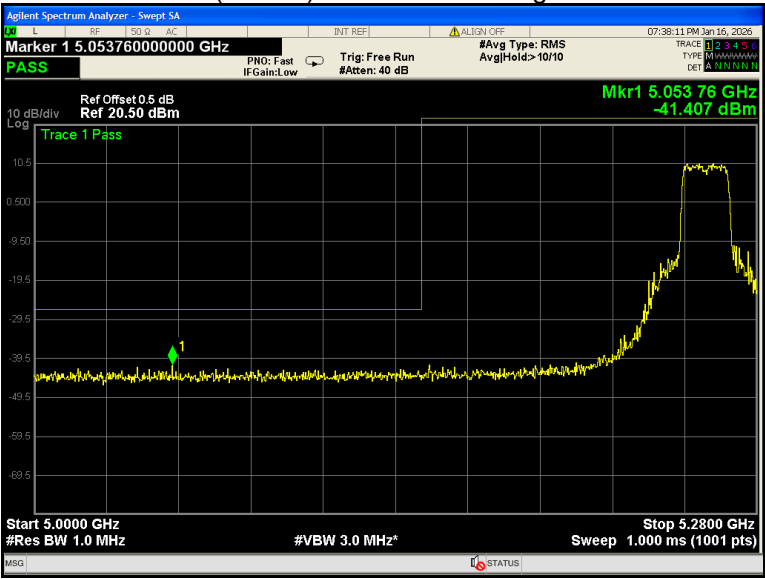
802.11ac(VHT20) U-NII-1 Band edge-left side



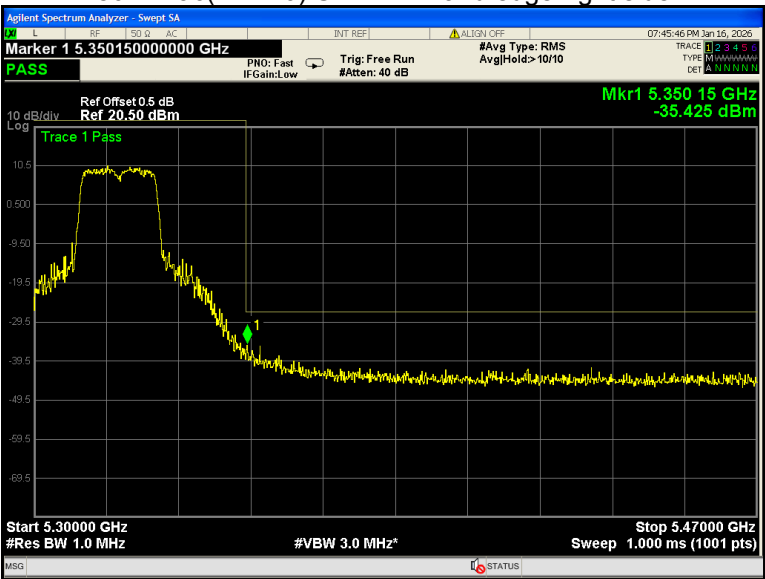
802.11ac(VHT20) U-NII-1 Band edge-right side



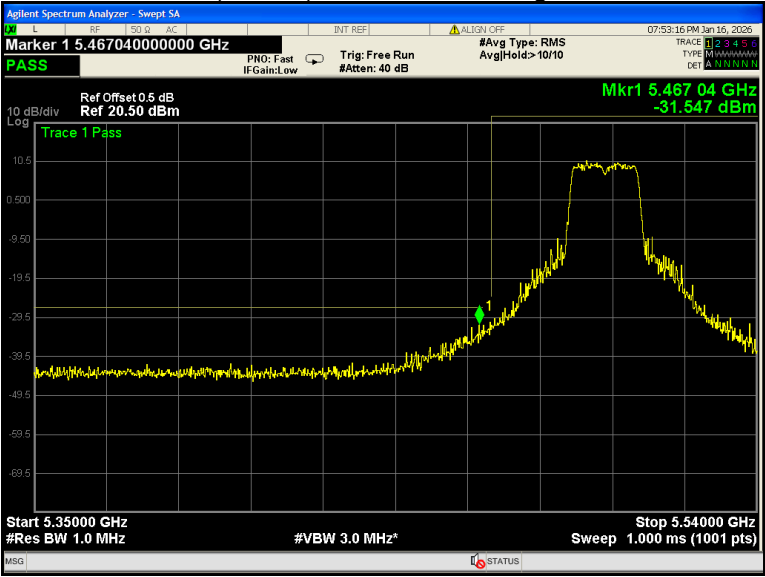
802.11ac(VHT20) U-NII-2A Band edge-left side



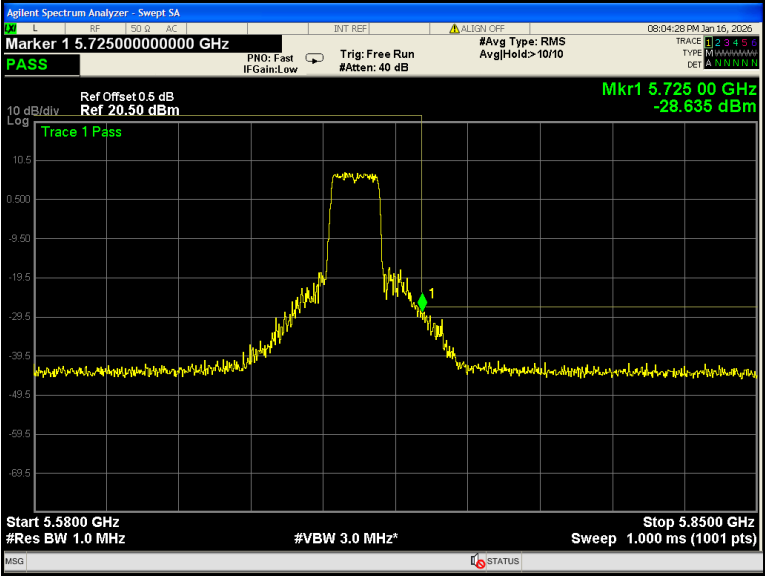
802.11ac(VHT20) U-NII-2A Band edge-right side



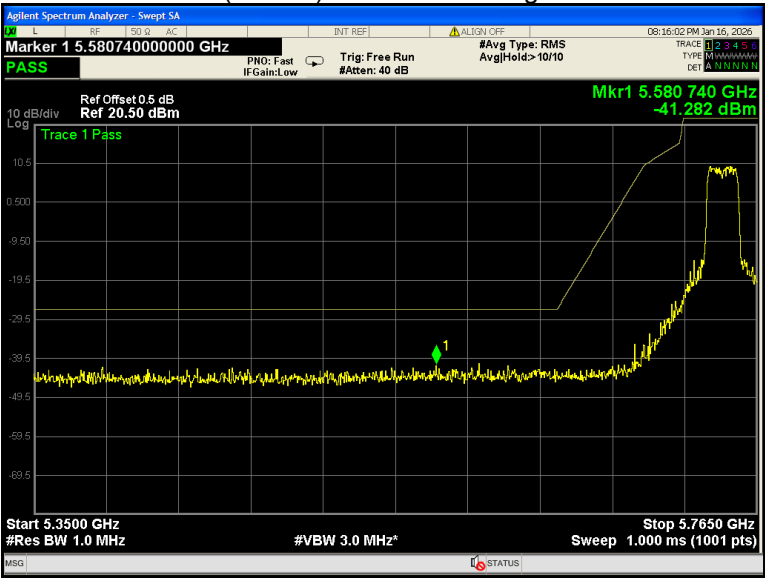
802.11ac(VHT20) U-NII-2C Band edge-left side



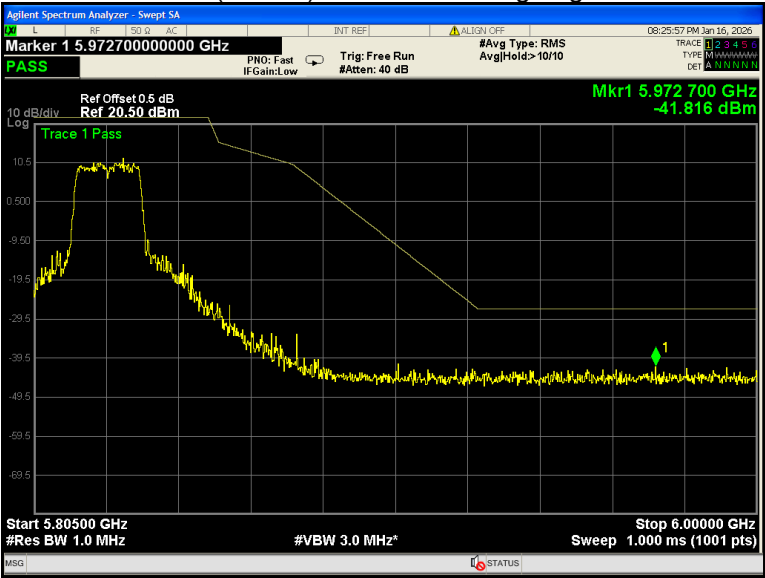
802.11ac(VHT20) U-NII-2C Band edge-right side



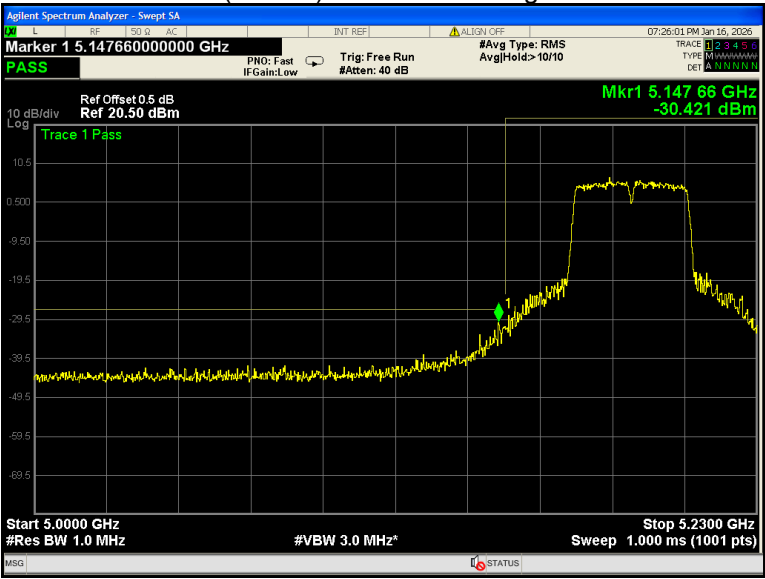
802.11ac(VHT20) U-NII-3 Band edge-left side



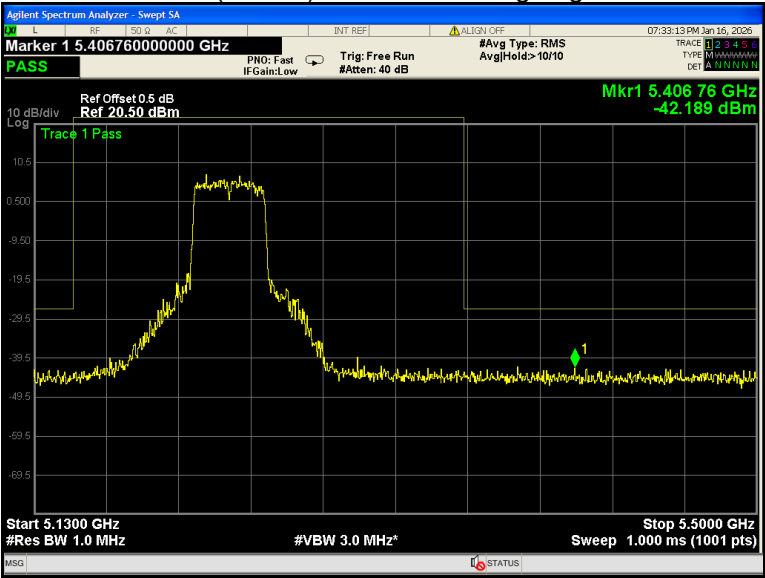
802.11ac(VHT20) U-NII-3 Band edge-right side



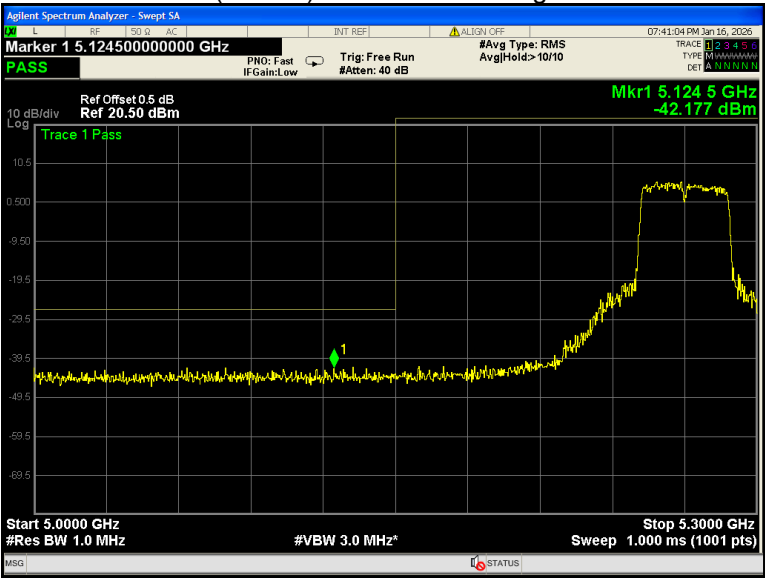
802.11ac(VHT40) U-NII-1 Band edge-left side



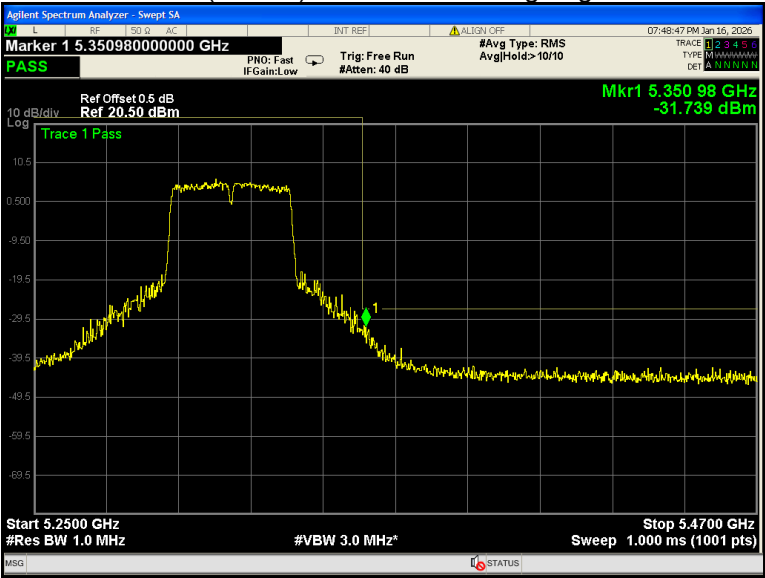
802.11ac(VHT40) U-NII-1 Band edge-right side



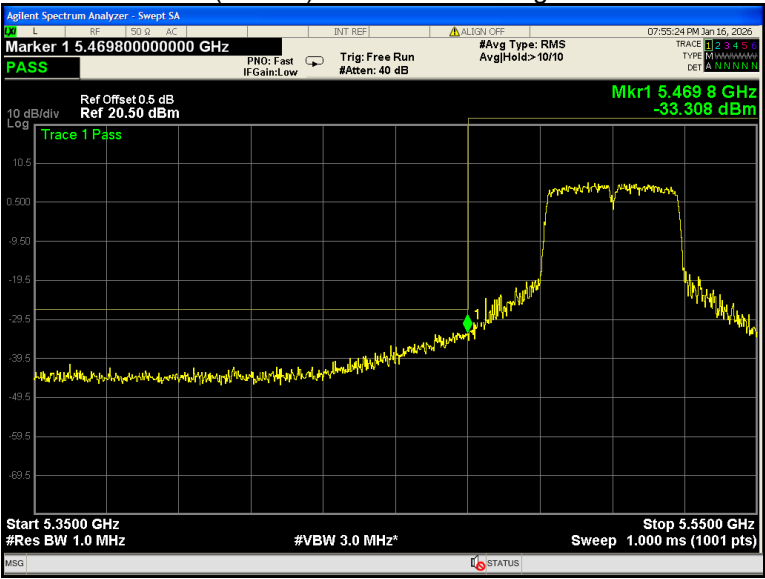
802.11ac(VHT40) U-NII-2A Band edge-left side



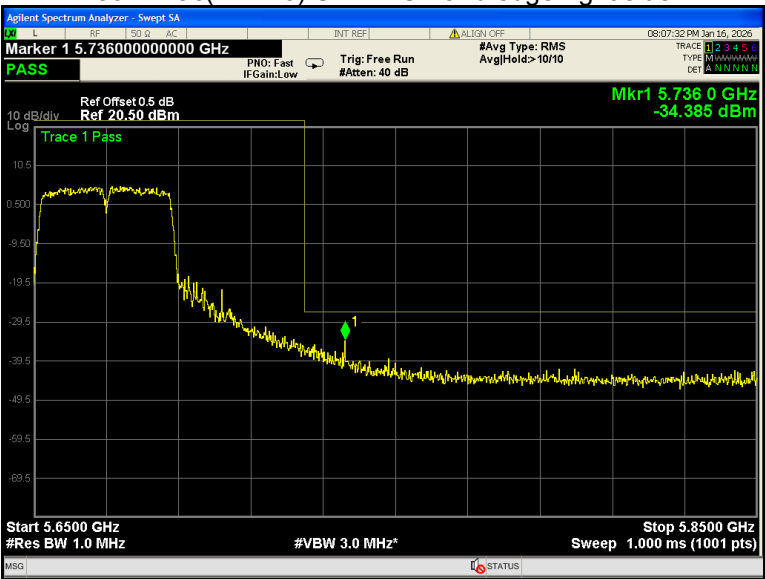
802.11ac(VHT40) U-NII-2A Band edge-right side



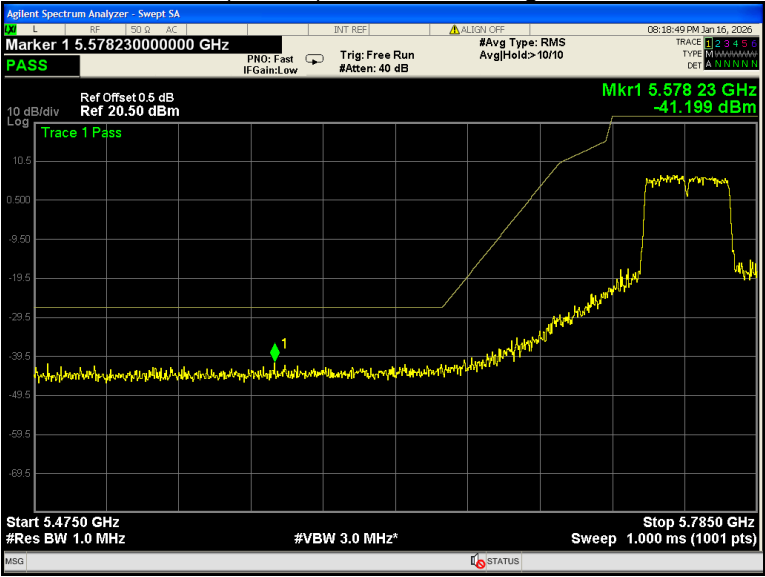
802.11ac(VHT40) U-NII-2C Band edge-left side



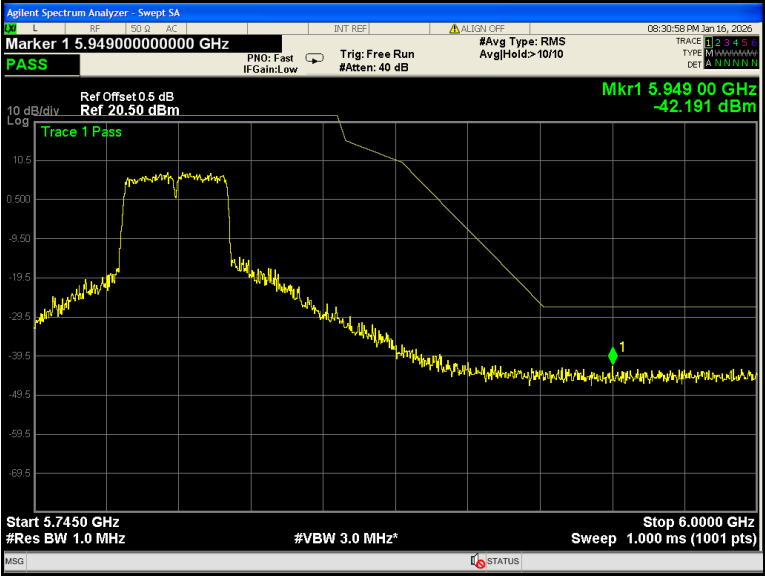
802.11ac(VHT40) U-NII-2C Band edge-right side



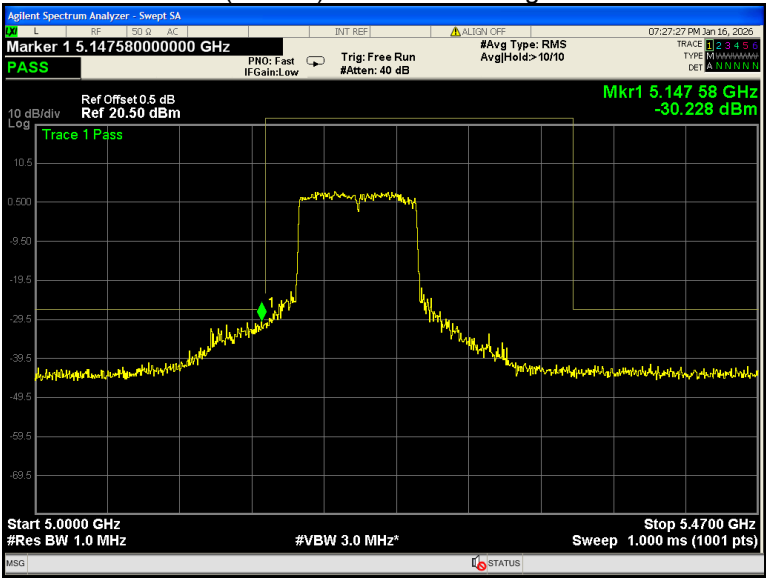
802.11ac(VHT40) U-NII-3 Band edge-left side



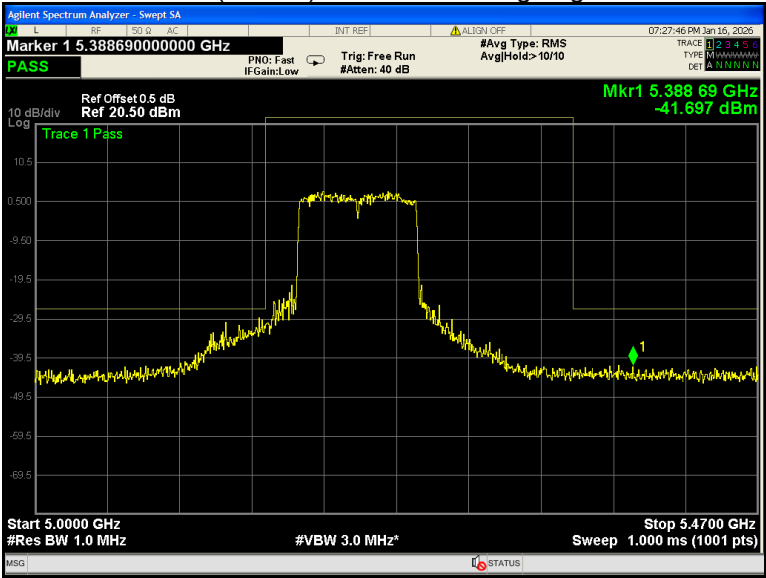
802.11ac(VHT40) U-NII-3 Band edge-right side



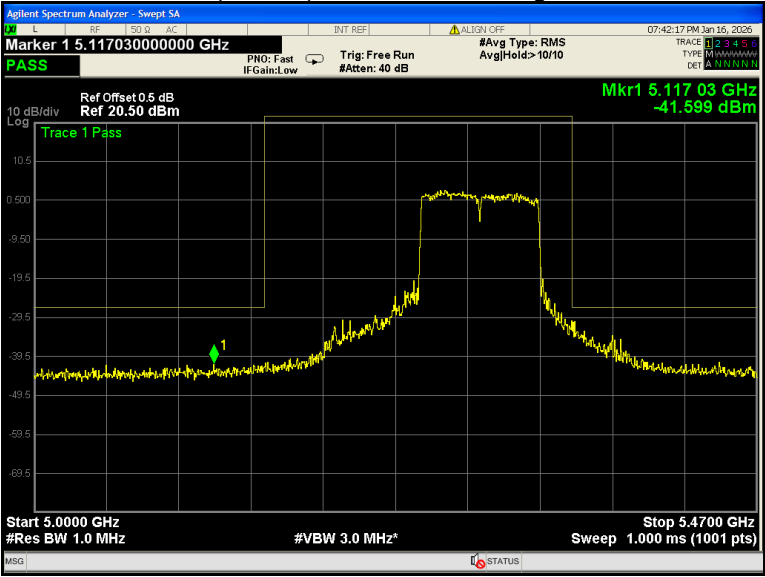
802.11ac(VHT80) U-NII-1 Band edge-left side



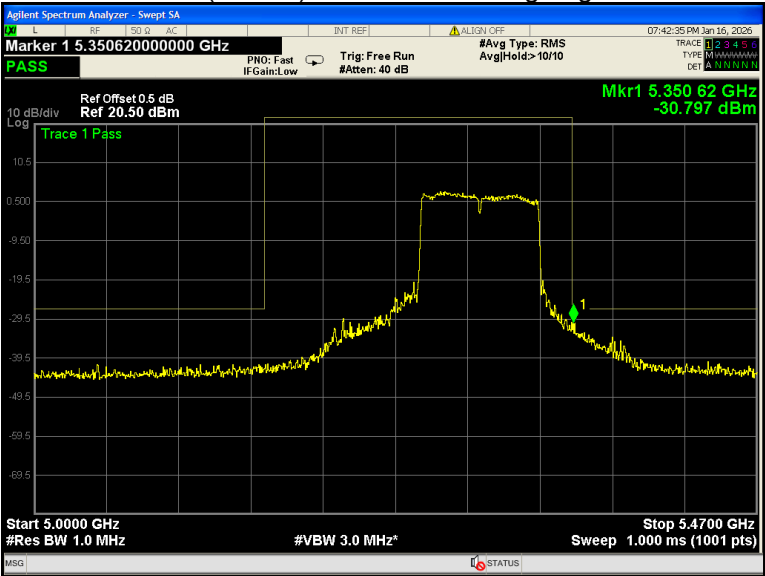
802.11ac(VHT80) U-NII-1 Band edge-right side



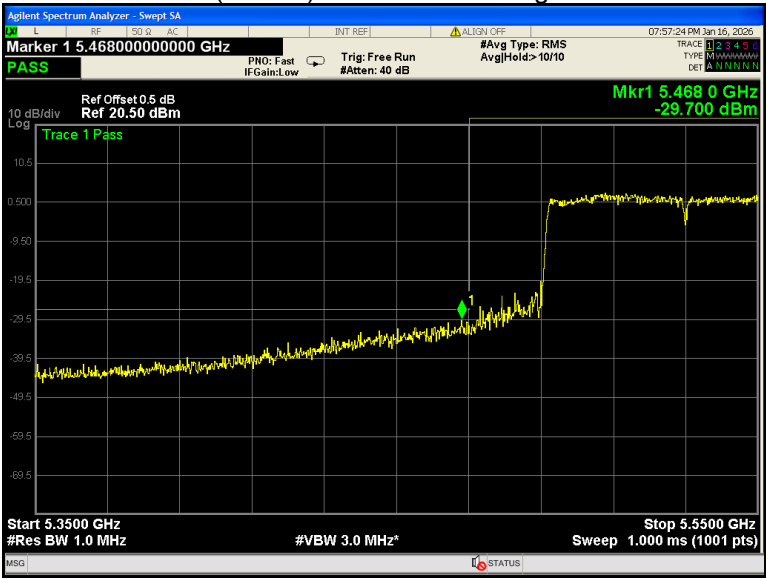
802.11ac(VHT80) U-NII-2A Band edge-left side



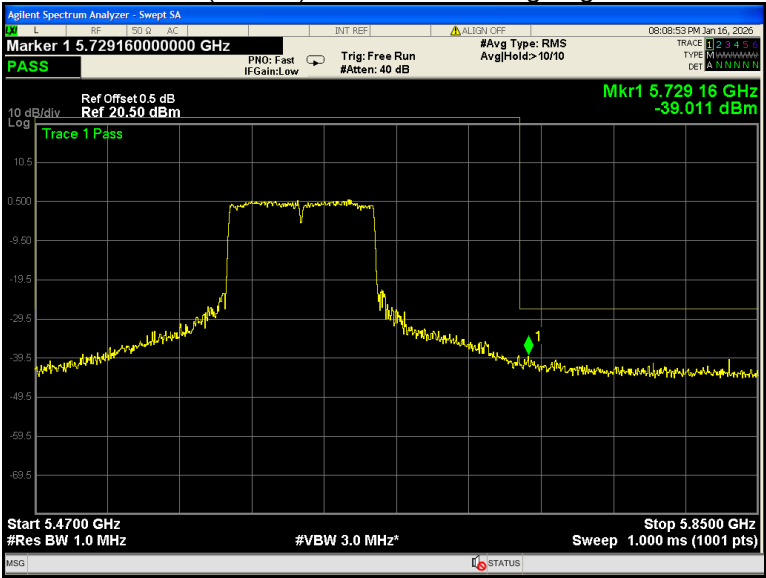
802.11ac(VHT80) U-NII-2A Band edge-right side



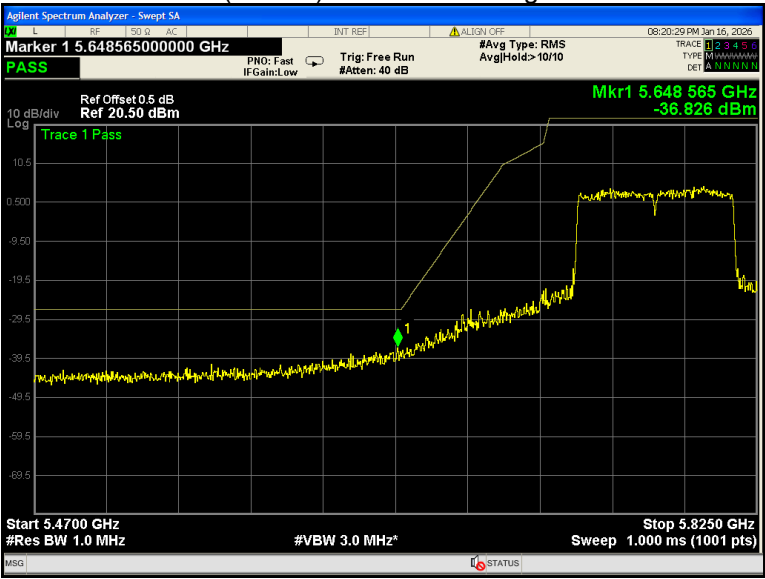
802.11ac(VHT80) U-NII-2C Band edge-left side



802.11ac(VHT80) U-NII-2C Band edge-right side



802.11ac(VHT80) U-NII-3 Band edge-left side



802.11ac(VHT80) U-NII-3 Band edge-right side



11 6 dB Bandwidth

Test Requirement: FCC 47CFR Part 15 Section 15.407(e)
 KDB662911 D01 Multiple Transmitter Output v02r01
 Test Method: KDB789033 D02 General U-NII Test Procedures New Rules v02r01
 Section C
 Test Limit: ≥ 500 kHz
 Test Result: PASS

11.1 Test Procedure

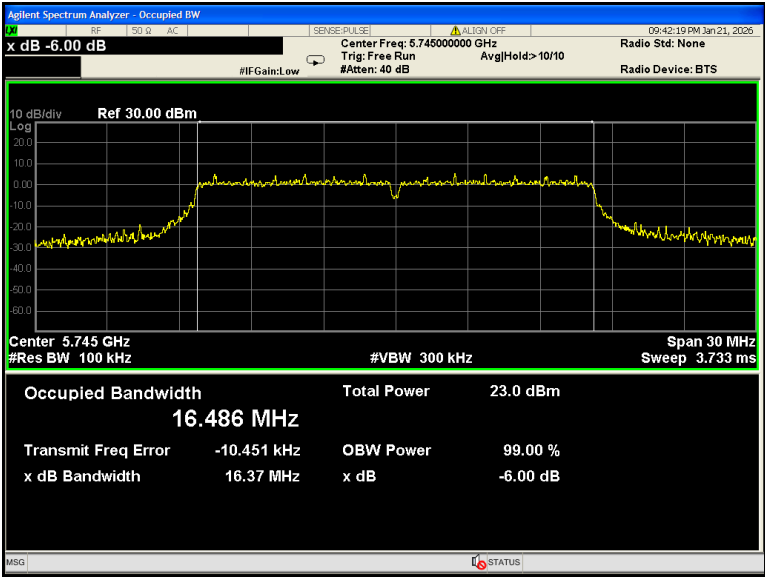
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

11.2 Test Result

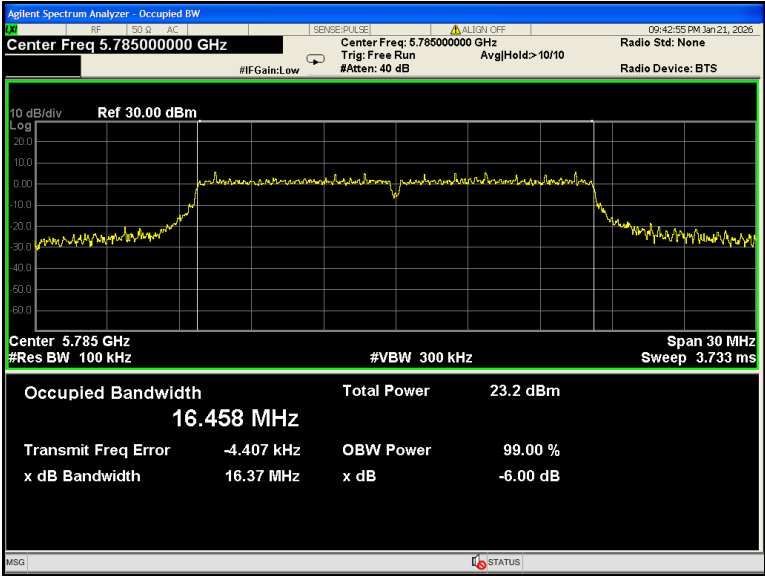
Band	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.37	16.37	16.33
	802.11n(HT20)	17.35	17.04	17.13
	802.11n(HT40)	35.68	/	35.14
	802.11ac(VHT20)	17.55	17.06	16.97
	802.11ac(VHT40)	35.85	/	35.39
	802.11ac(VHT80)	75.77	/	/

Test result plots shown as follows:

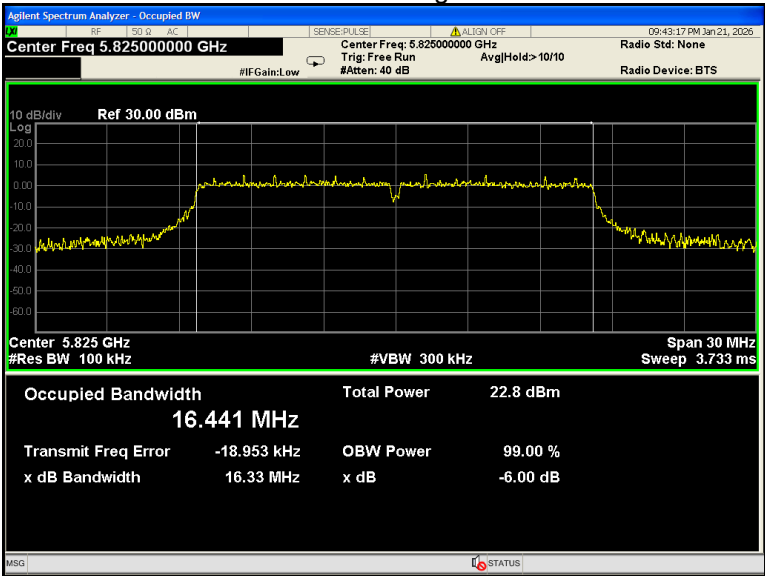
802.11a U-NII-3 Low channel



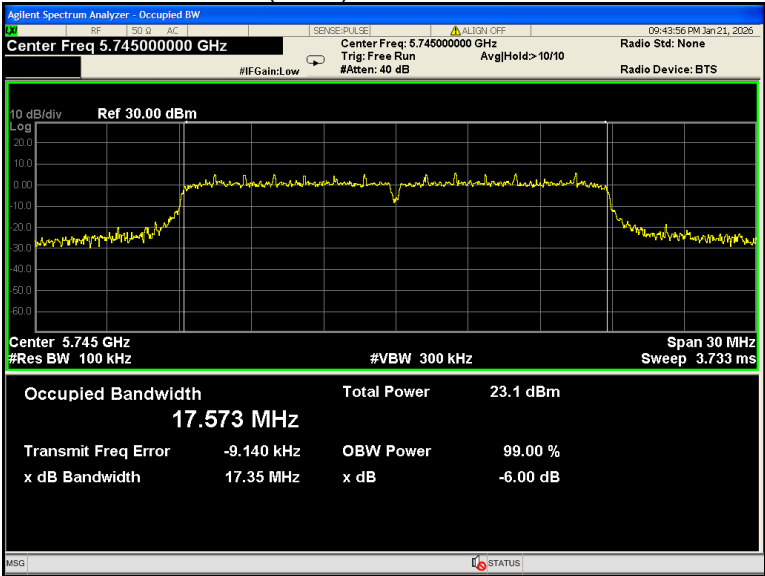
802.11a U-NII-3 Middle channel



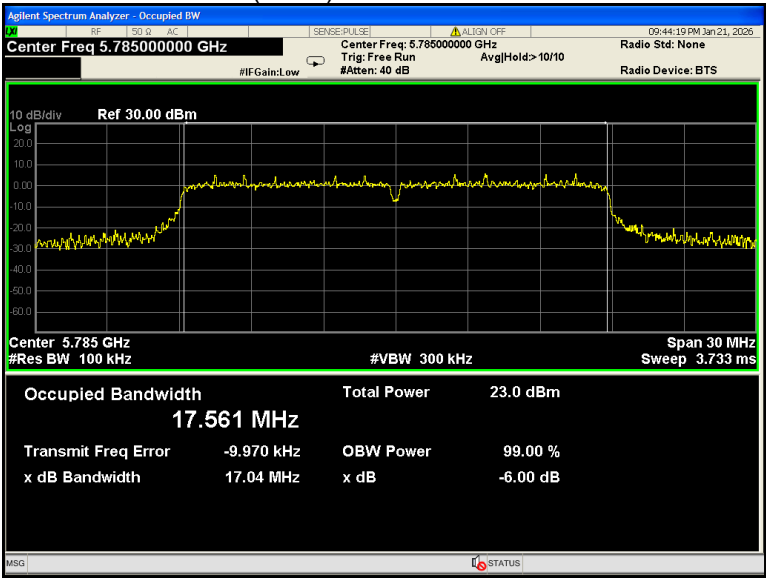
802.11a U-NII-3 High channel



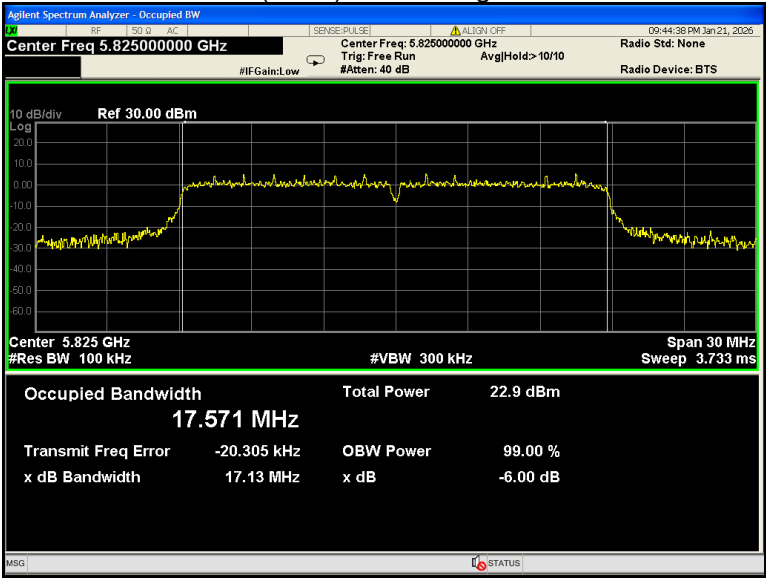
802.11n(HT20) U-NII-3 Low channel



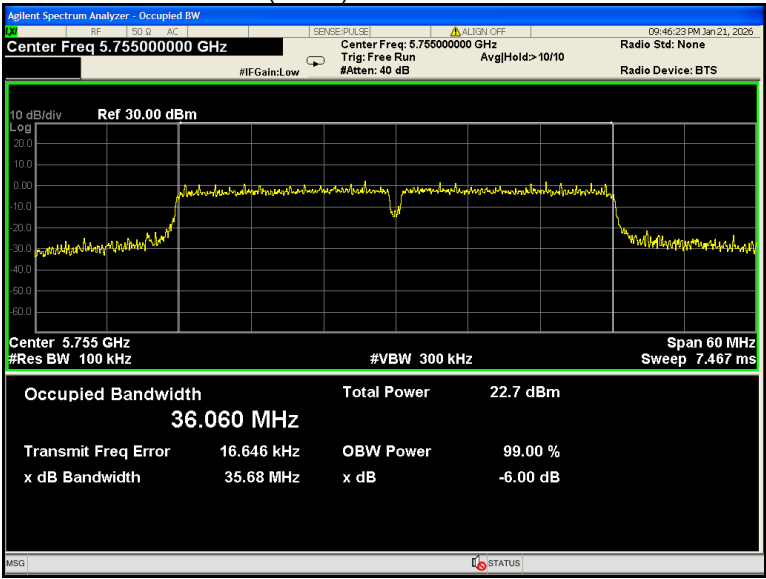
802.11n(HT20) U-NII-3 Middle channel



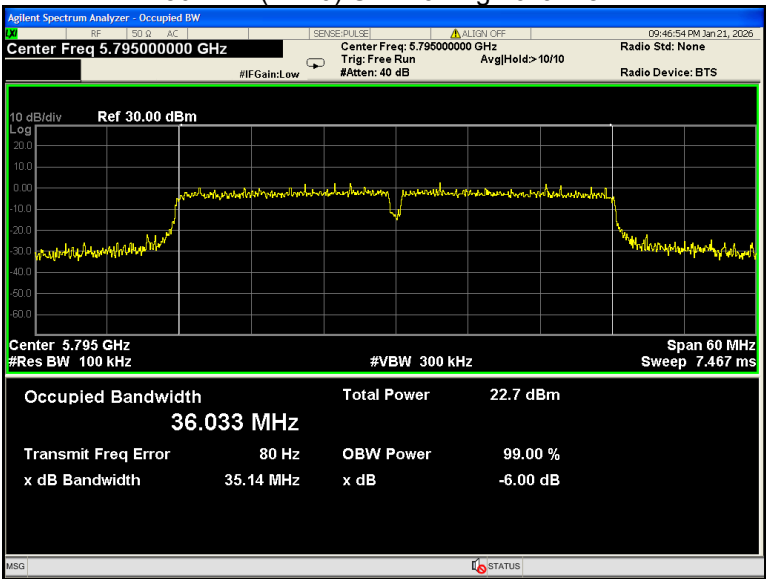
802.11n(HT20) U-NII-3 High channel



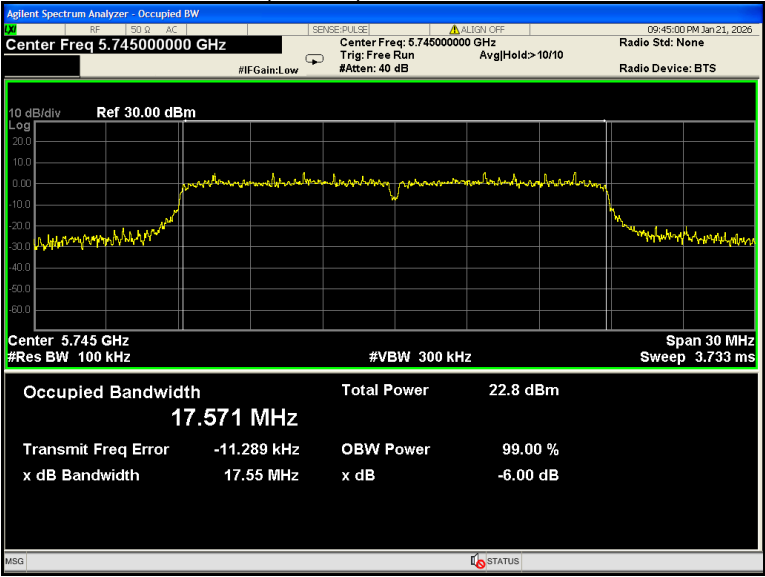
802.11n(HT40) U-NII-3 Low channel



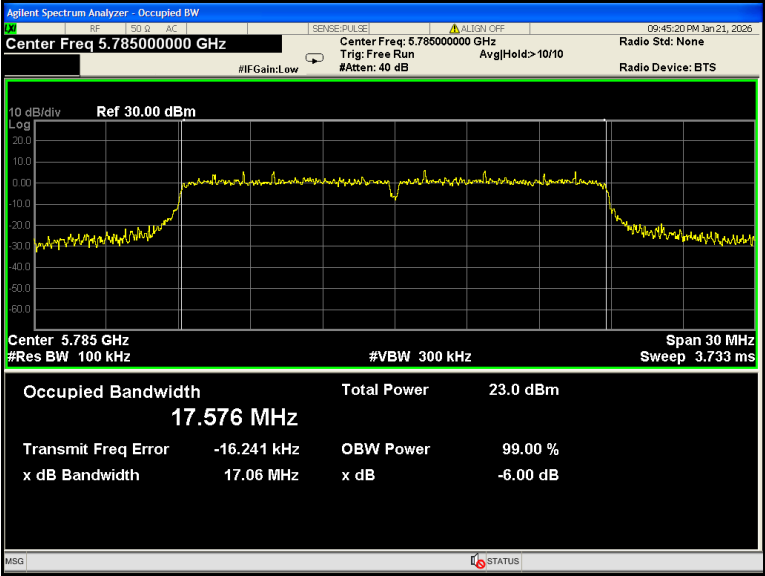
802.11n(HT40) U-NII-3 High channel



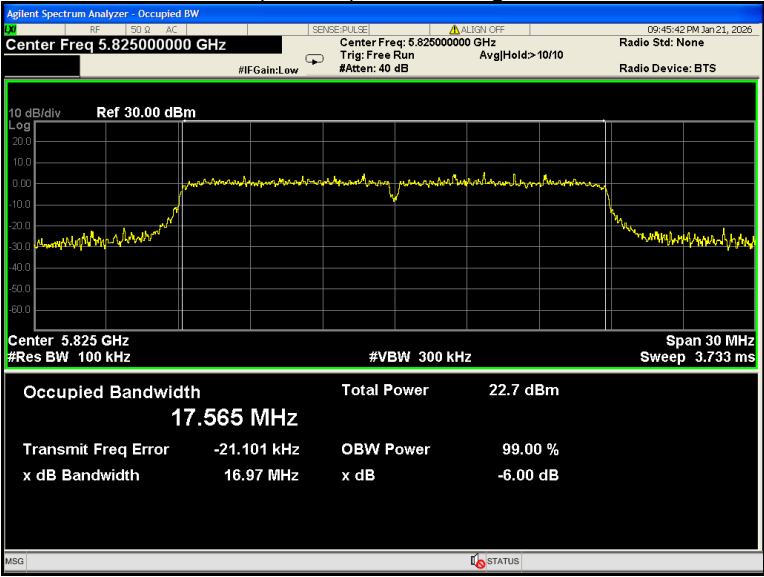
802.11ac(VHT20) U-NII-3 Low channel



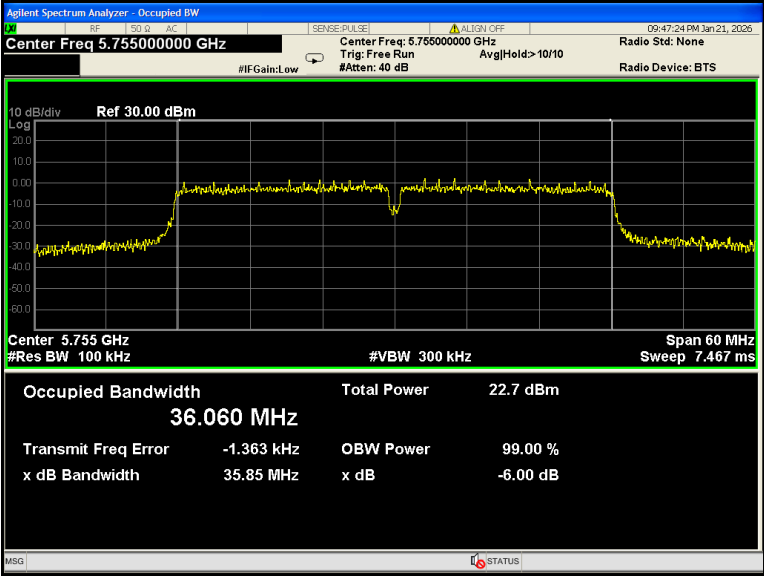
802.11ac(VHT20) U-NII-3 Middle channel



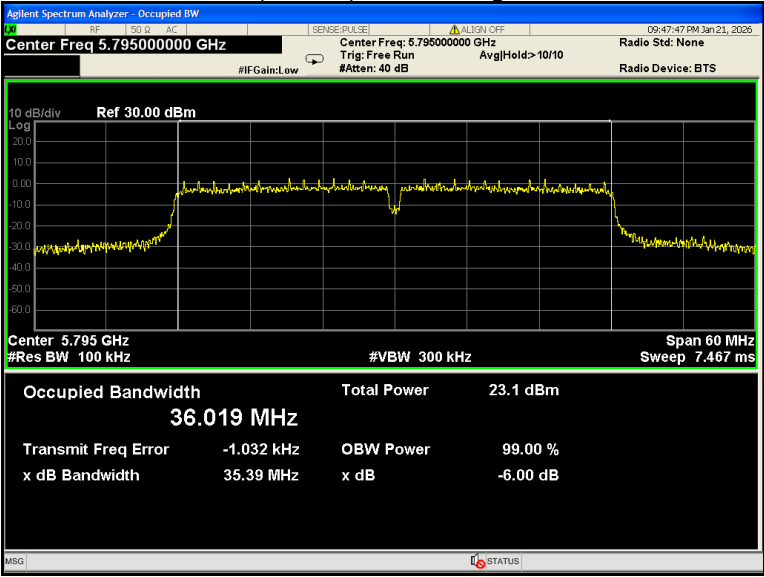
802.11ac(VHT20) U-NII-3 High channel



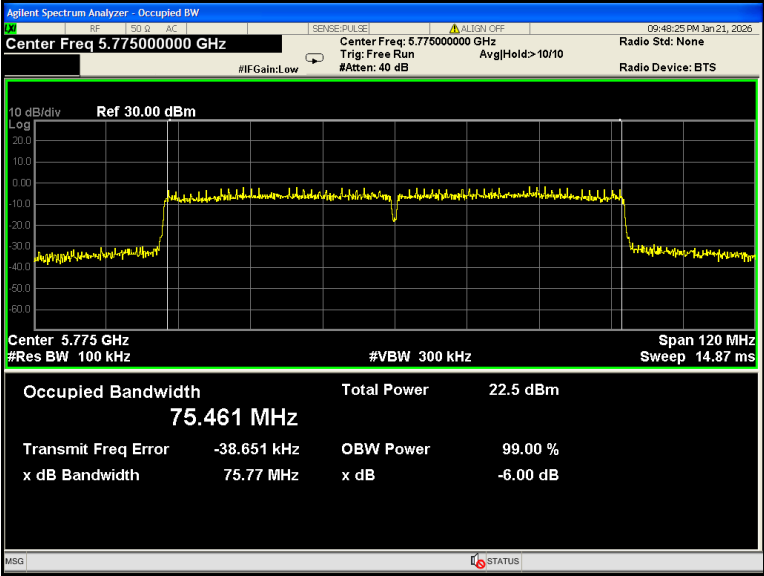
802.11ac(VHT40) U-NII-3 Low channel



802.11ac(VHT40) U-NII-3 High channel



802.11ac(VHT80) U-NII-3 Low channel



12 26 dB Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC 47CFR Part 15 Section 15.407 (a) KDB662911 D01 Multiple Transmitter Output v02r01
Test Method:	KDB789033 D02 General U-NII Test Procedures New Rules v02r01 Section D
Test Limit:	No restriction limits
Test Result:	PASS

12.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 1% to 5% of the OBW, VBW = 3x RBW

12.2 Test Result

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-1	802.11a	24.01	23.47	24.78	16.598	16.543	16.606
	802.11n(HT20)	26.44	25.55	27.61	17.636	17.617	17.663
	802.11n(HT40)	50.23	/	44.47	36.206	/	36.129
	802.11ac(VHT20)	26.44	24.92	26.50	17.580	17.578	17.587
	802.11ac(VHT40)	42.66	/	46.00	36.126	/	36.094
	802.11ac(VHT80)	88.58	/	/	75.609	/	/

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2A	802.11a	24.74	25.13	23.71	16.642	16.593	16.565
	802.11n(HT20)	26.16	27.84	27.27	17.599	17.617	17.614
	802.11n(HT40)	50.40	/	48.64	36.132	/	36.115
	802.11ac(VHT20)	21.57	26.08	24.82	17.599	17.583	17.597
	802.11ac(VHT40)	41.51	/	46.75	36.101	/	36.095
	802.11ac(VHT80)	86.83	/	/	75.600	/	/

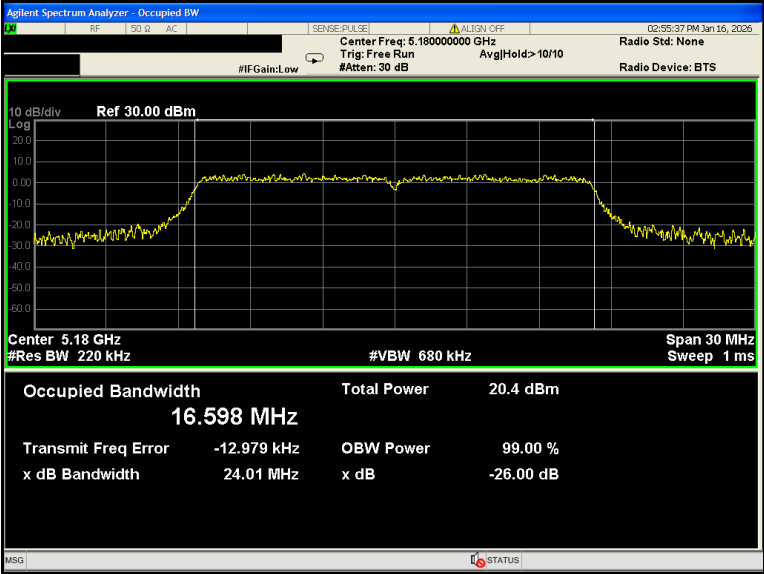
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2C	802.11a	24.43	25.65	25.09	16.596	16.595	16.611
	802.11n(HT20)	28.10	29.10	27.44	17.599	17.602	17.616
	802.11n(HT40)	49.28	43.64	51.35	36.185	36.088	36.161
	802.11ac(VHT20)	22.93	23.17	22.81	17.563	17.585	17.582
	802.11ac(VHT40)	43.09	41.84	42.75	36.065	36.105	36.122
	802.11ac(VHT80)	83.54	/	87.52	75.549	/	75.622

Band	Operation mode	99% Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.626	16.609	16.597
	802.11n(HT20)	17.607	17.617	17.632
	802.11n(HT40)	36.130	/	36.119
	802.11ac(VHT20)	17.586	17.590	17.584
	802.11ac(VHT40)	36.060	/	36.091
	802.11ac(VHT80)	75.657	/	/

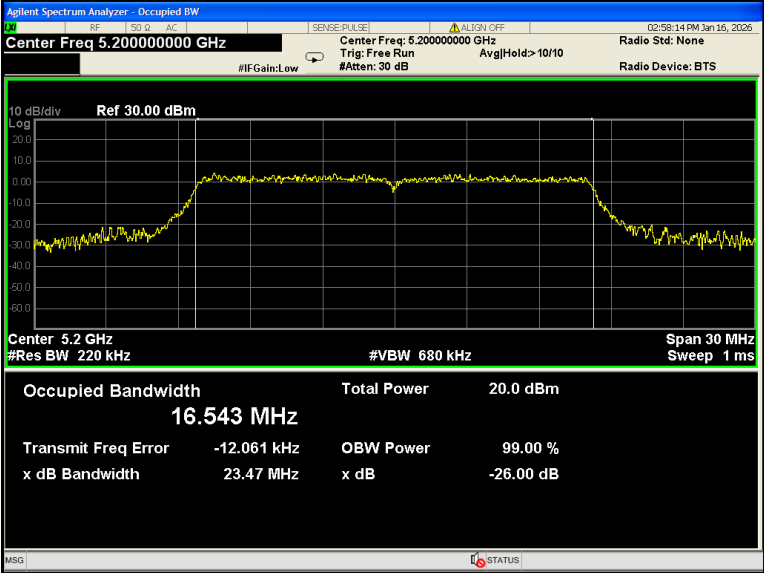
Test result plots shown as follows:

26 dB Bandwidth and 99% Occupied Bandwidth

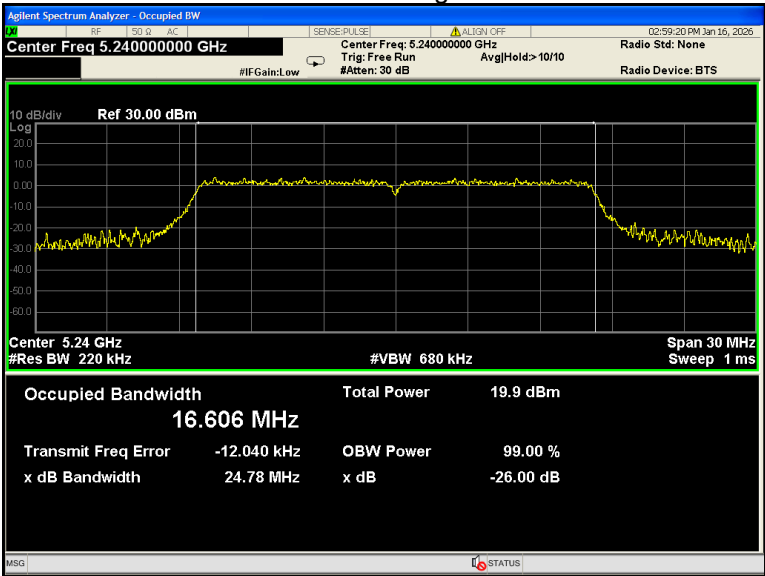
802.11a U-NII-1 Low channel



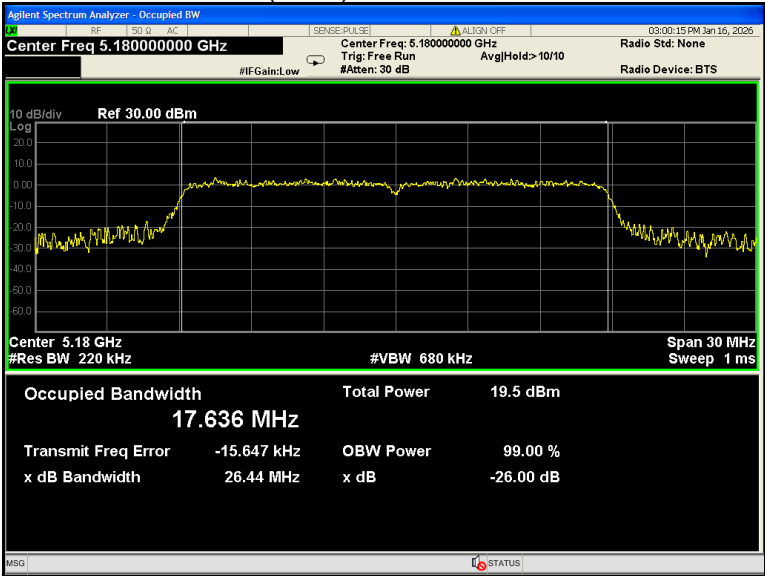
802.11a U-NII-1 Middle channel



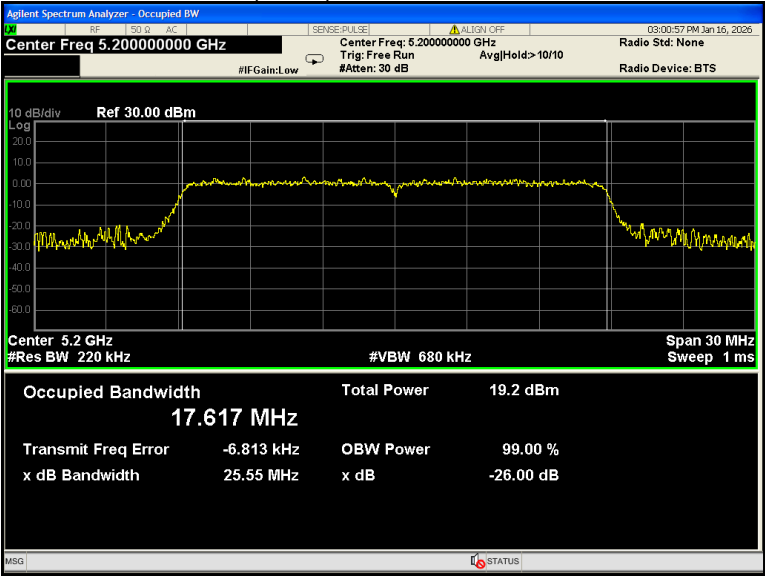
802.11a U-NII-1 High channel



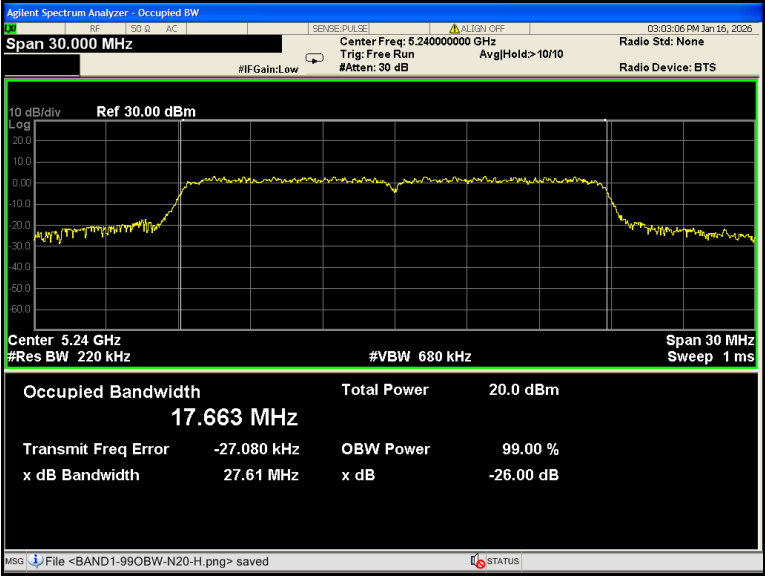
802.11n(HT20) U-NII-1 Low channel



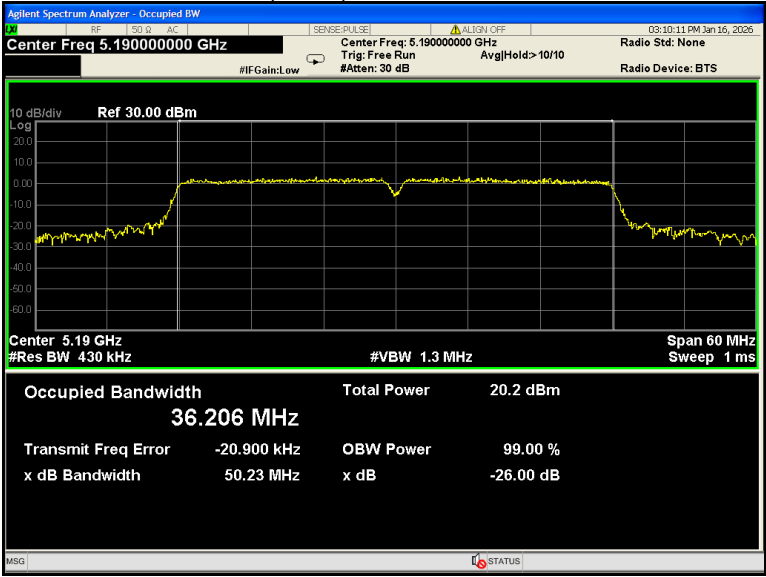
802.11n(HT20) U-NII-1 Middle channel



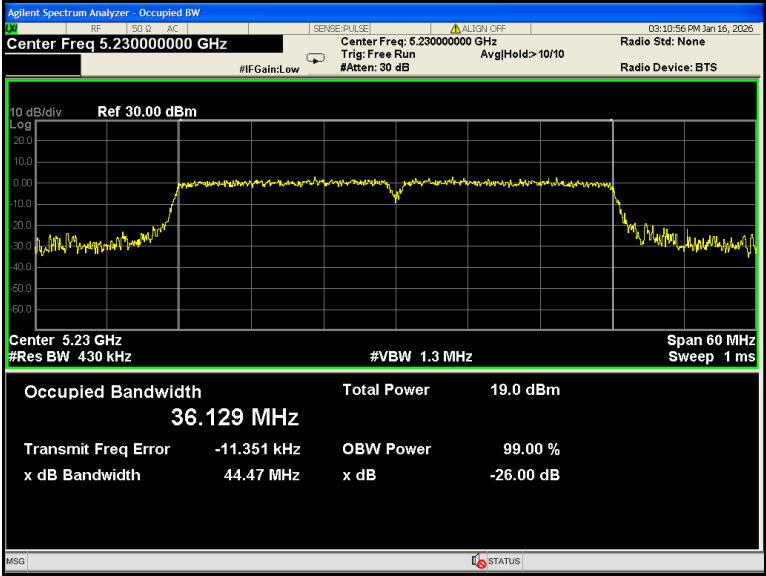
802.11n(HT20) U-NII-1 High channel



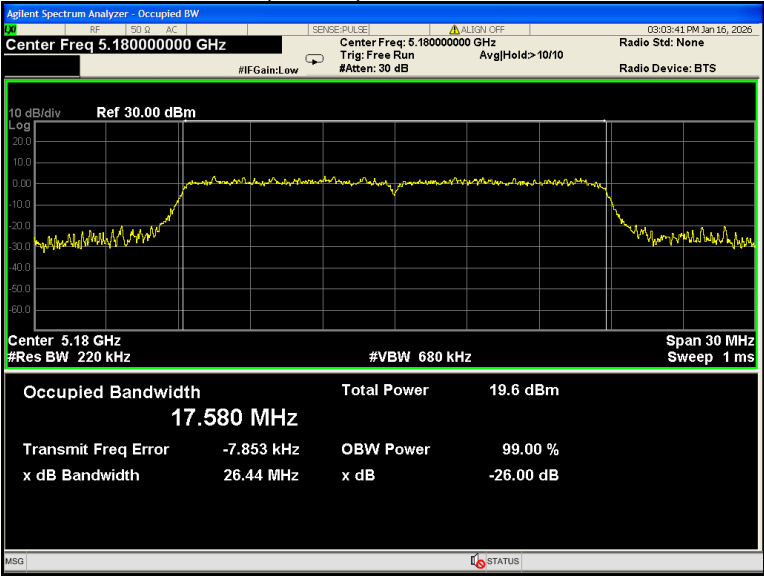
802.11n(HT40) U-NII-1 Low channel



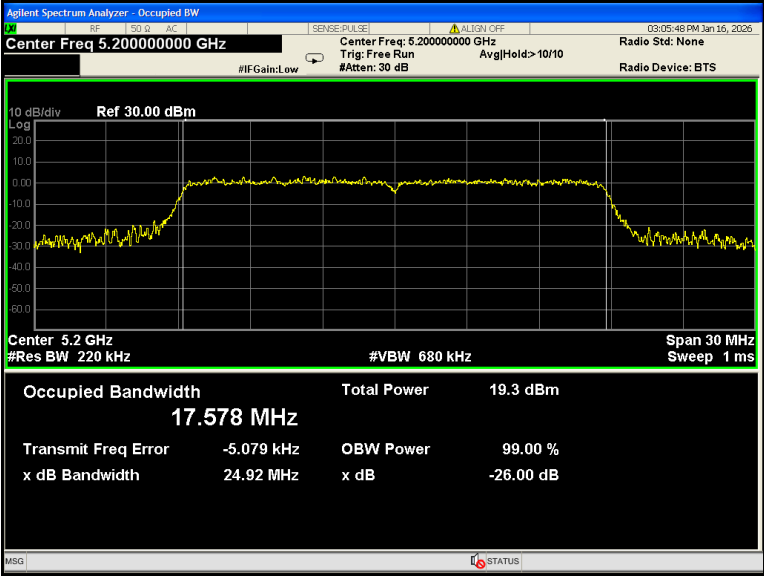
802.11n(HT40) U-NII-1 High channel



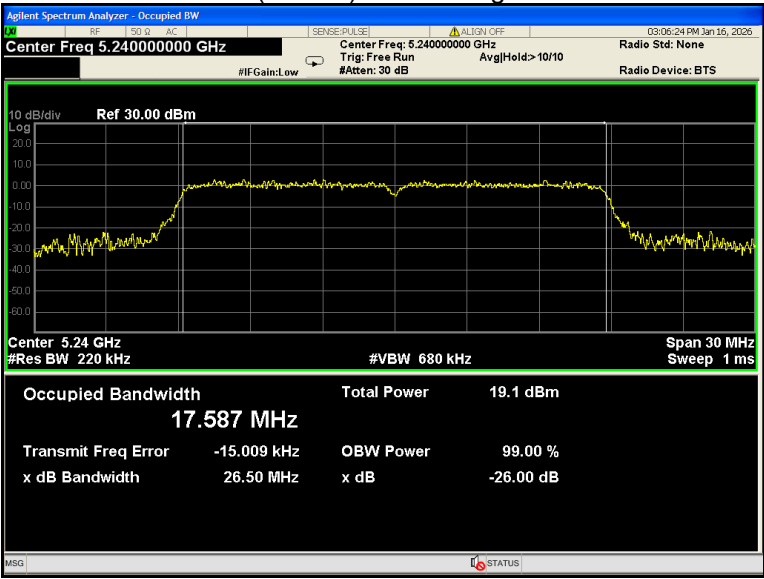
802.11ac(VHT20) U-NII-1 Low channel



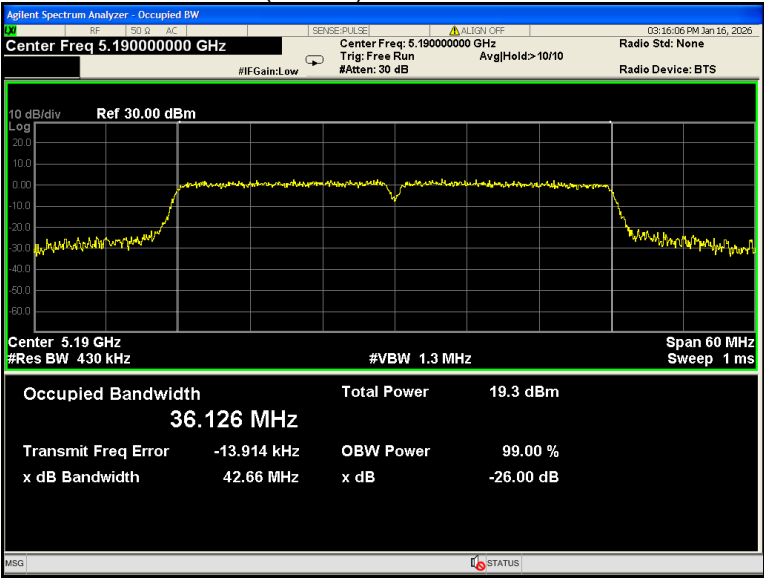
802.11ac(VHT20) U-NII-1 Middle channel



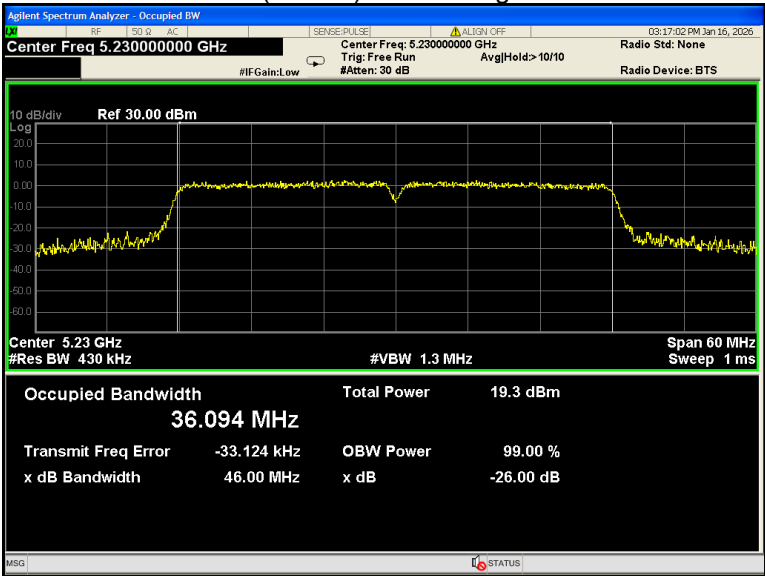
802.11ac(VHT20) U-NII-1 High channel



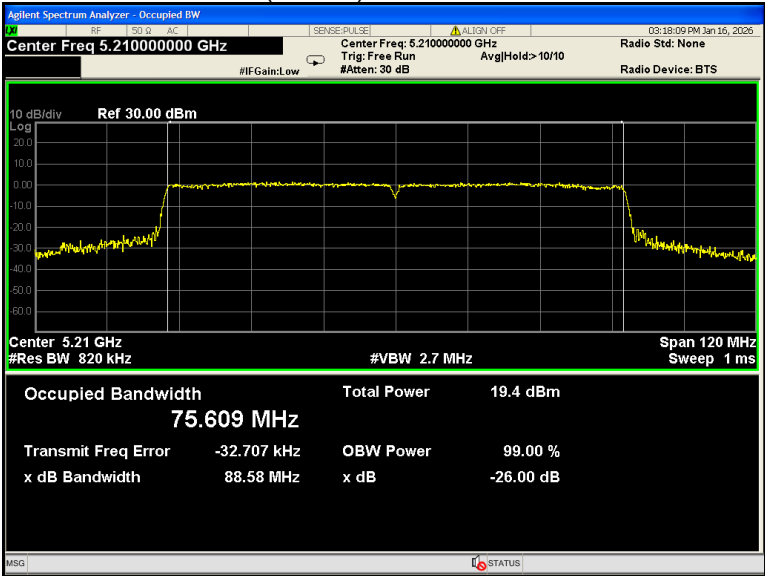
802.11ac(VHT40) U-NII-1 Low channel



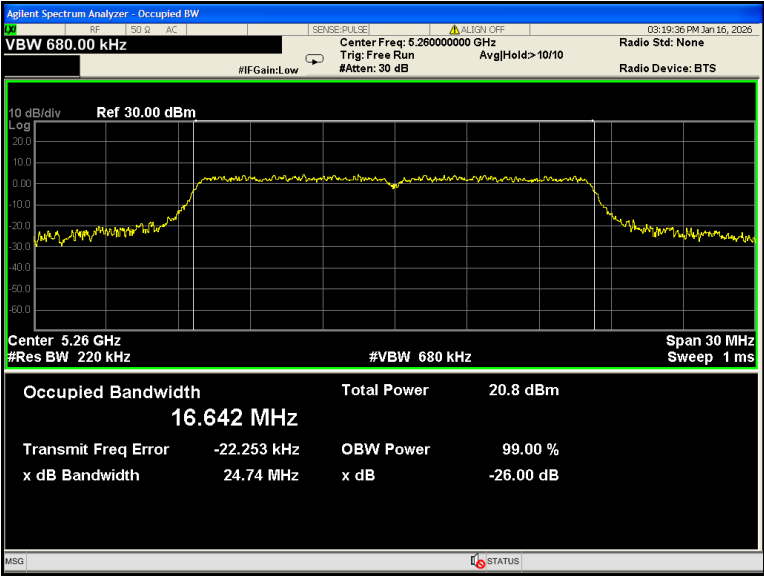
802.11ac(VHT40) U-NII-1 High channel



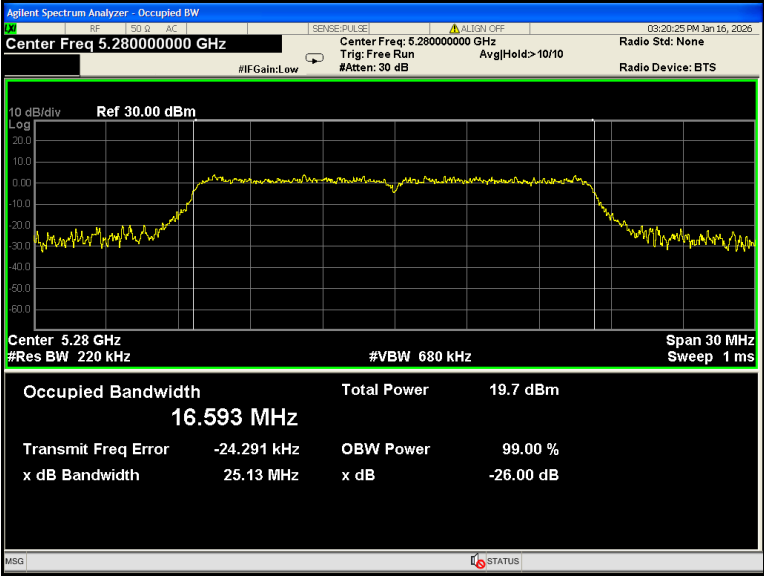
802.11ac(VHT80) U-NII-1 Low channel



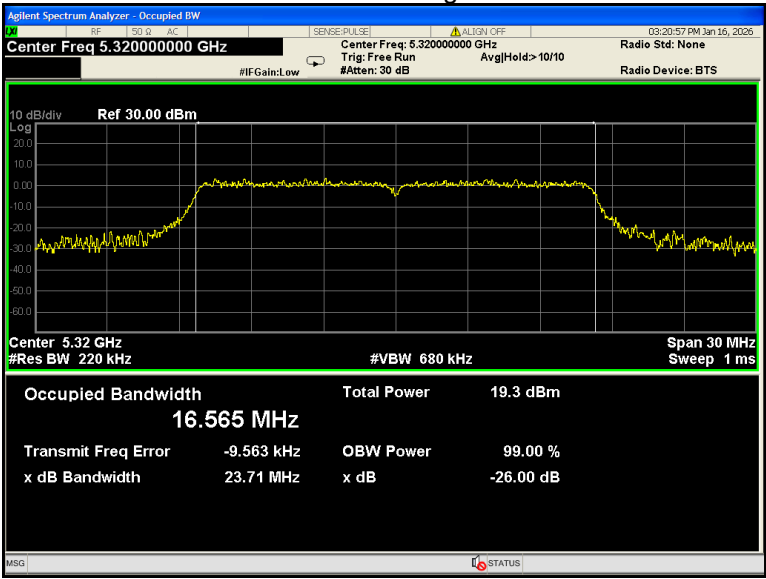
802.11a U-NII-2A Low channel



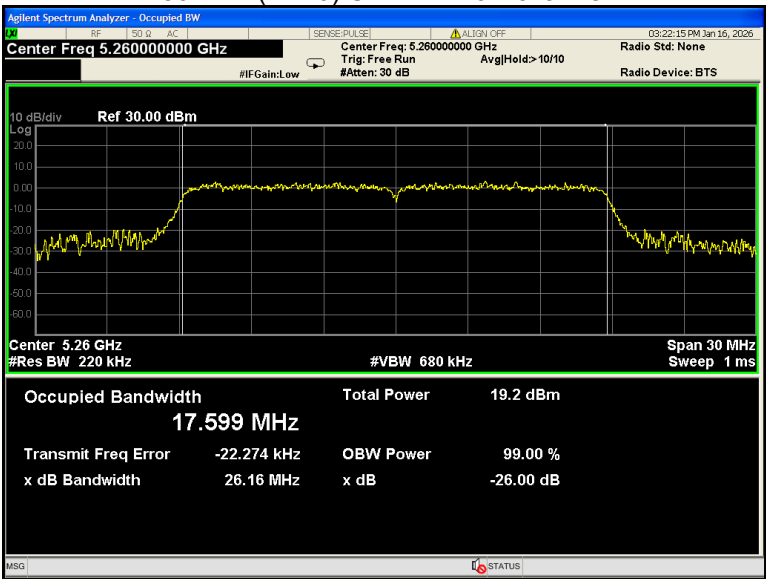
802.11a U-NII-2A Middle channel



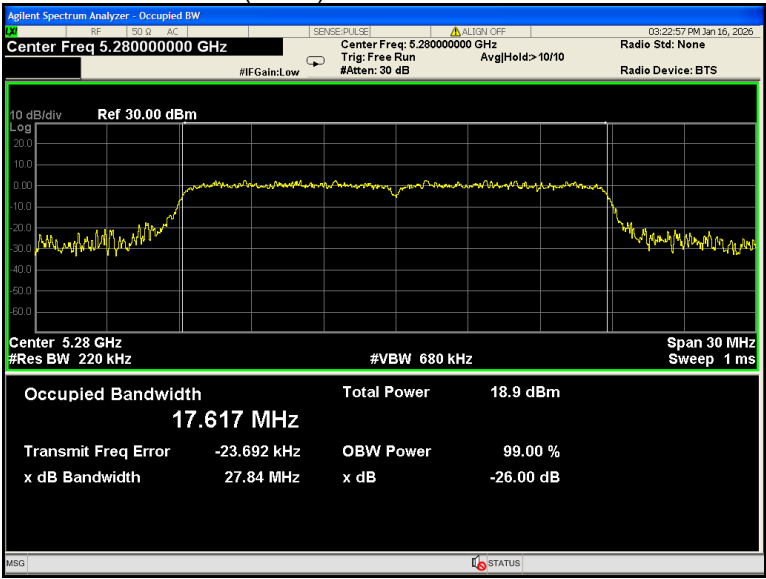
802.11a U-NII-2A High channel



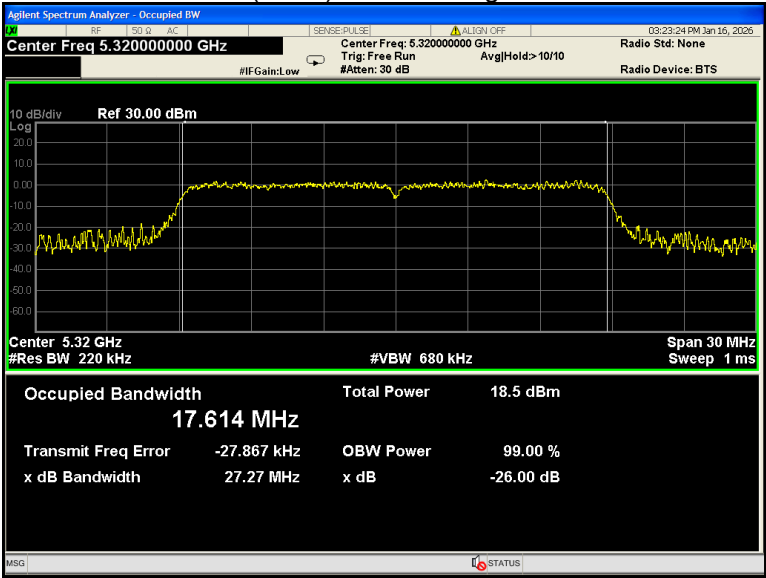
802.11n(HT20) U-NII-2A Low channel



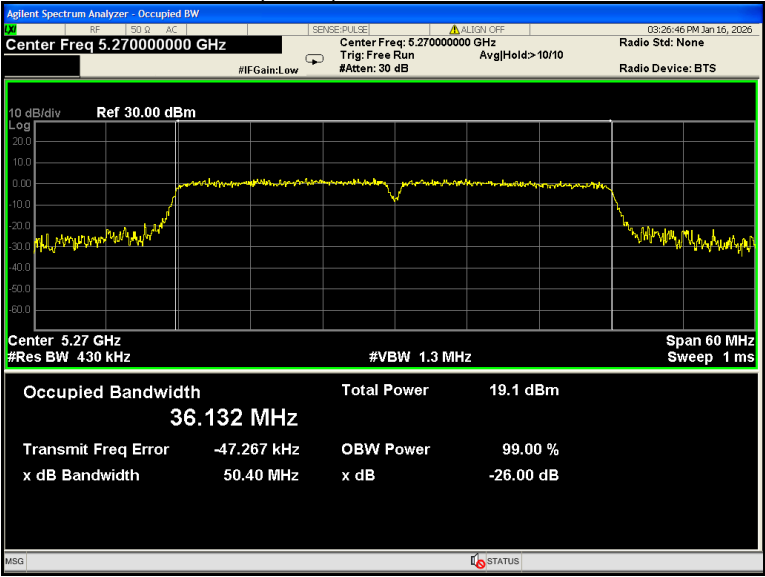
802.11n(HT20) U-NII-2A Middle channel



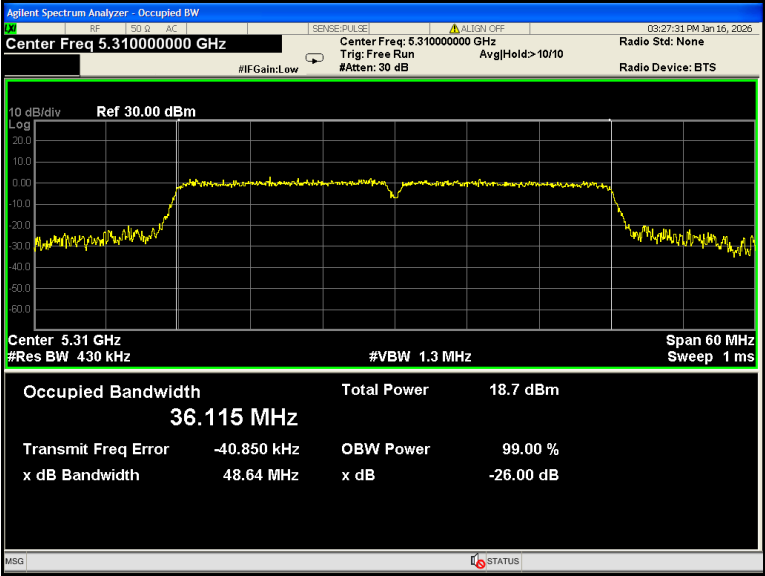
802.11n(HT20) U-NII-2A High channel



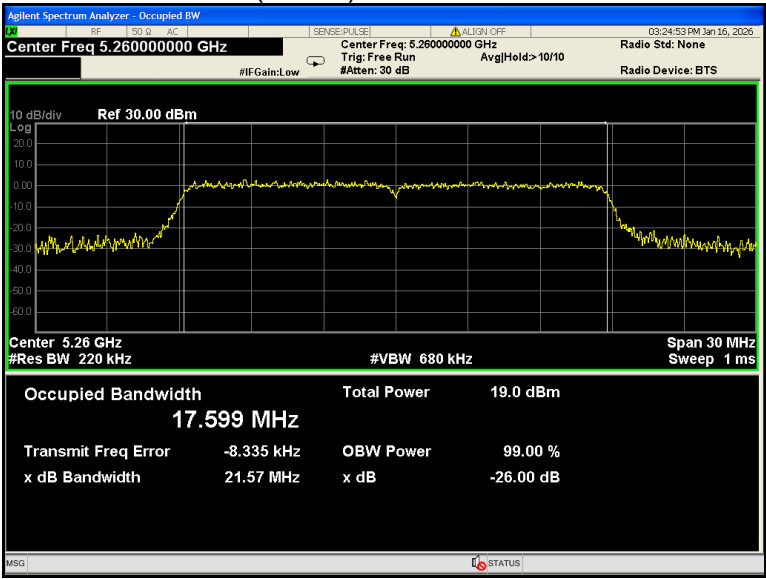
802.11n(HT40) U-NII-2A Low channel



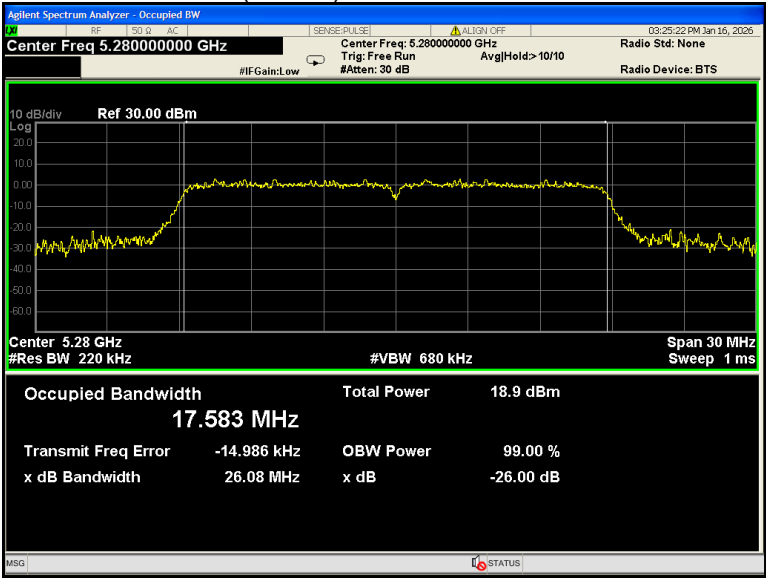
802.11n(HT40) U-NII-2A High channel



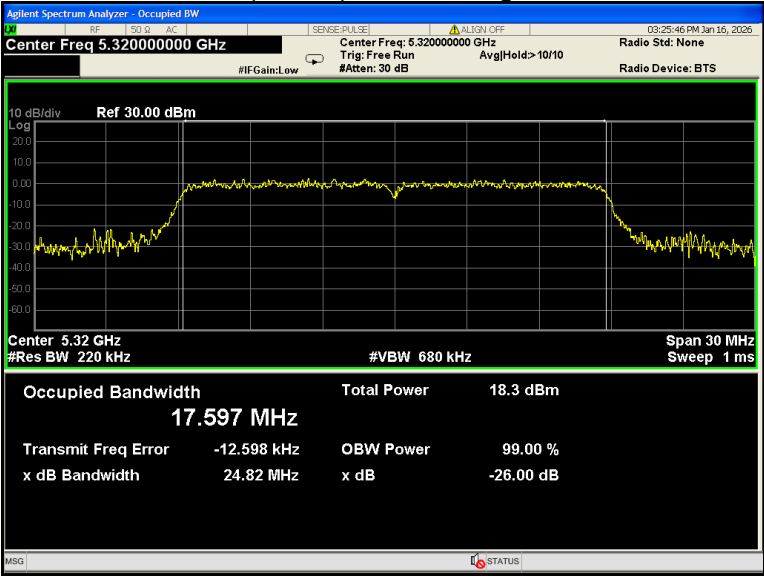
802.11ac(VHT20) U-NII-2A Low channel



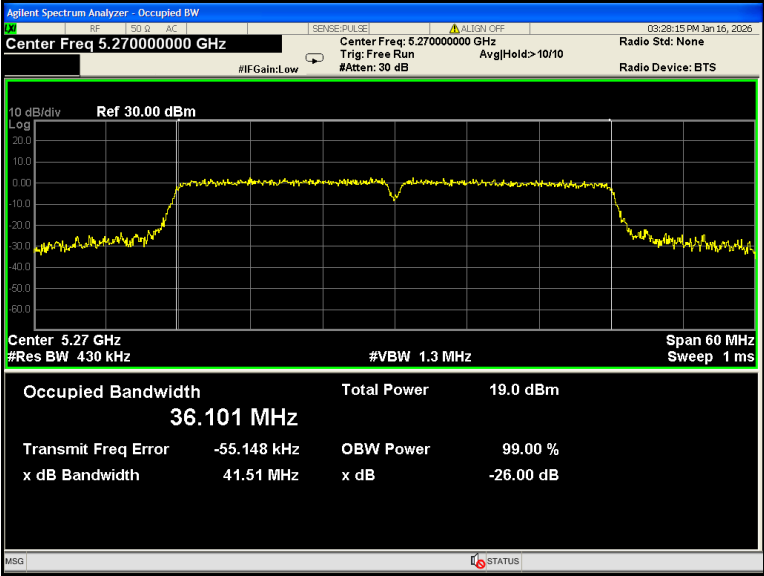
802.11ac(VHT20) U-NII-2A Middle channel



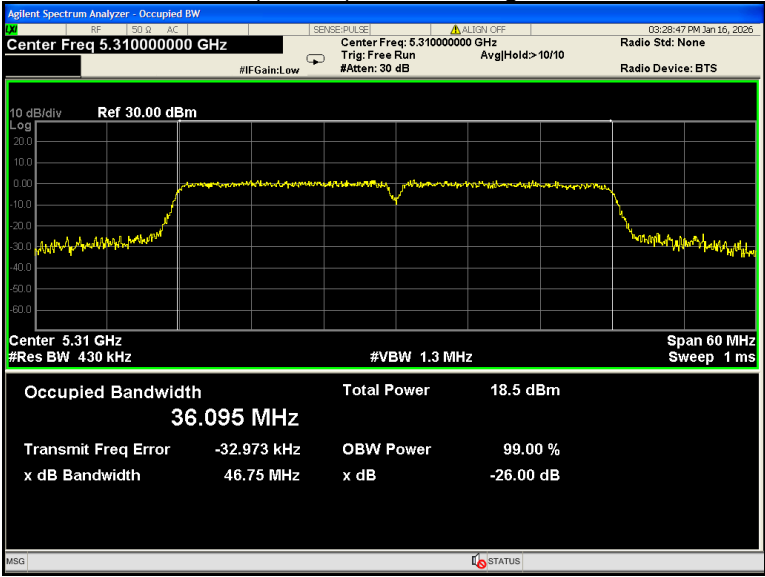
802.11ac(VHT20) U-NII-2A High channel



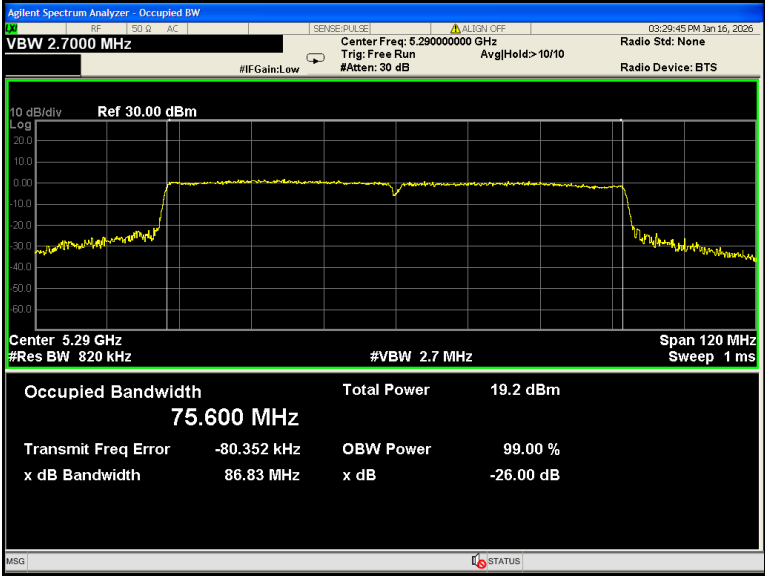
802.11ac(VHT40) U-NII-2A Low channel



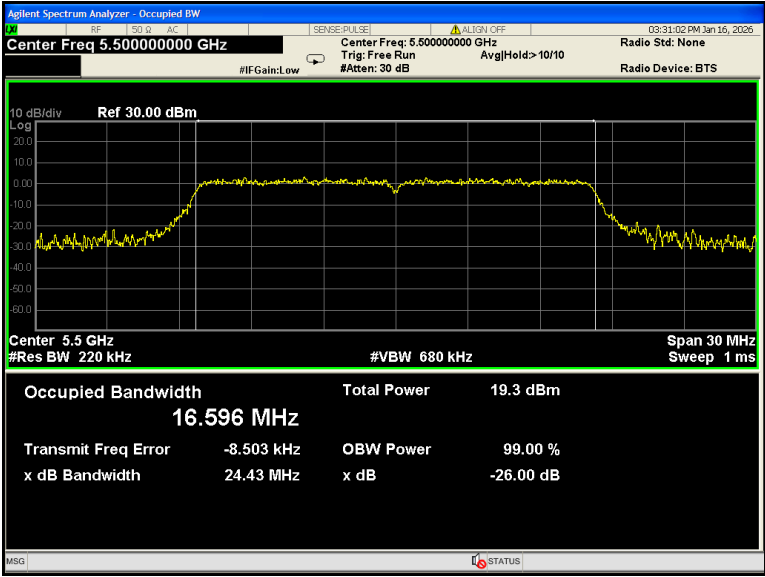
802.11ac(VHT40) U-NII-2A High channel



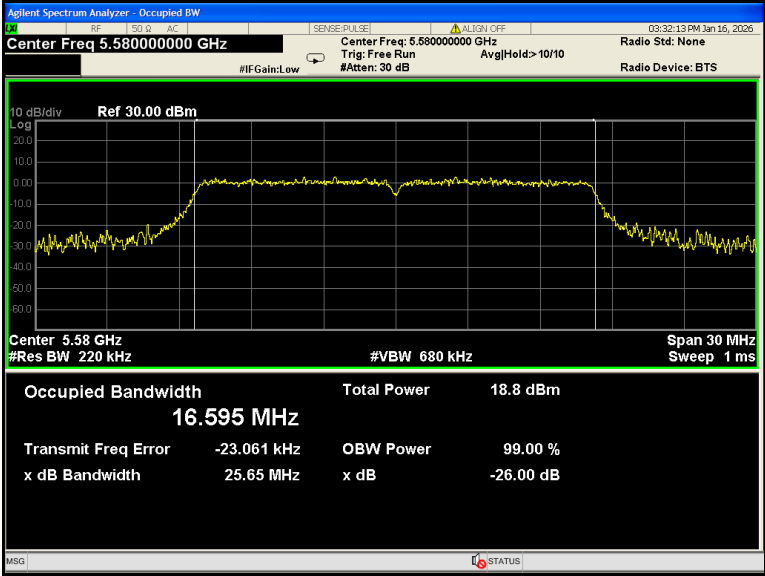
802.11ac(VHT80) U-NII-2A Low channel



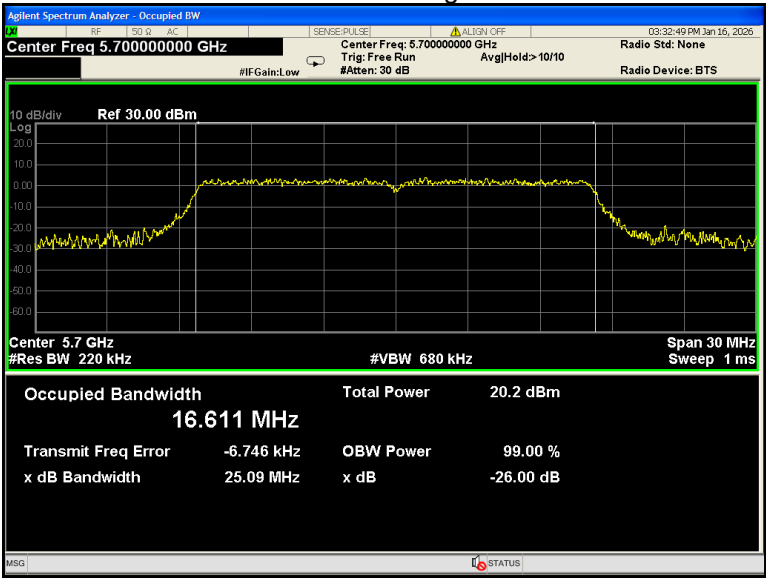
802.11a U-NII-2C Low channel



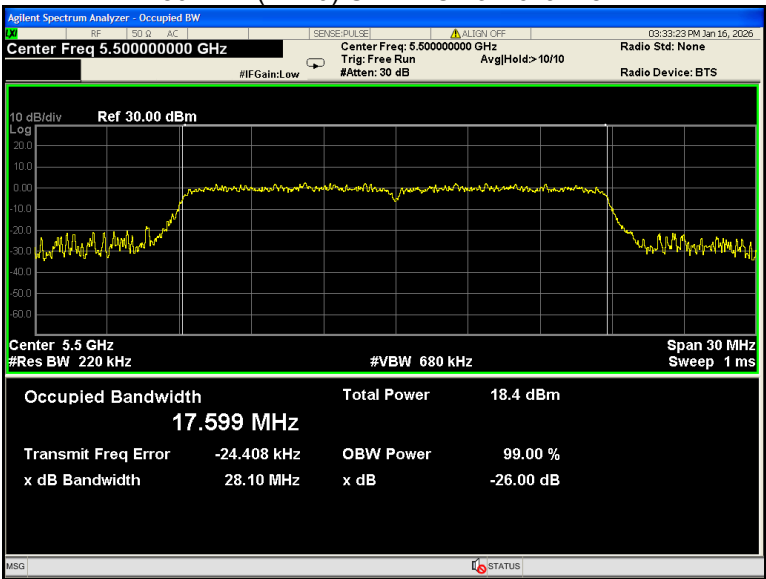
802.11a U-NII-2C Middle channel



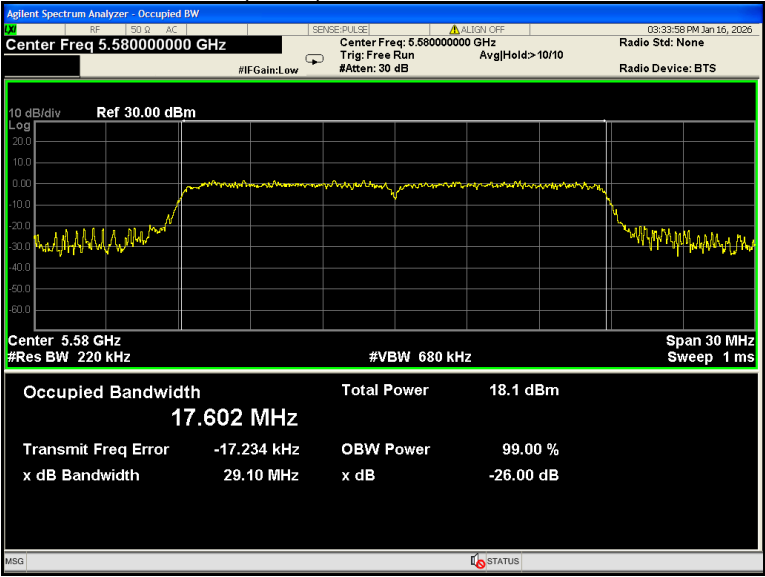
802.11a U-NII-2C High channel



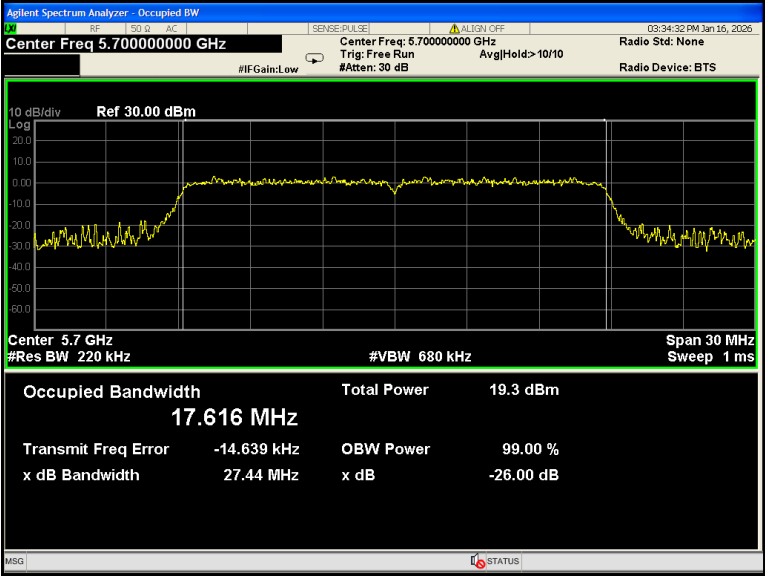
802.11n(HT20) U-NII-2C Low channel



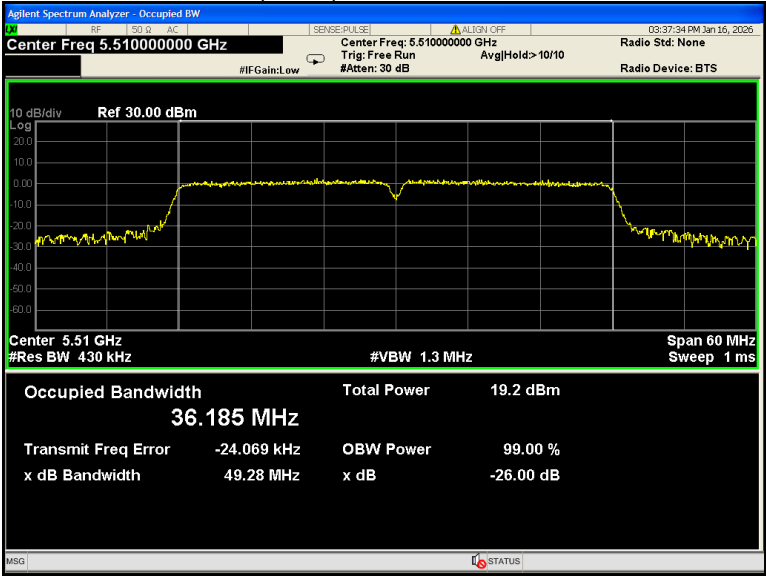
802.11n(HT20) U-NII-2C Middle channel



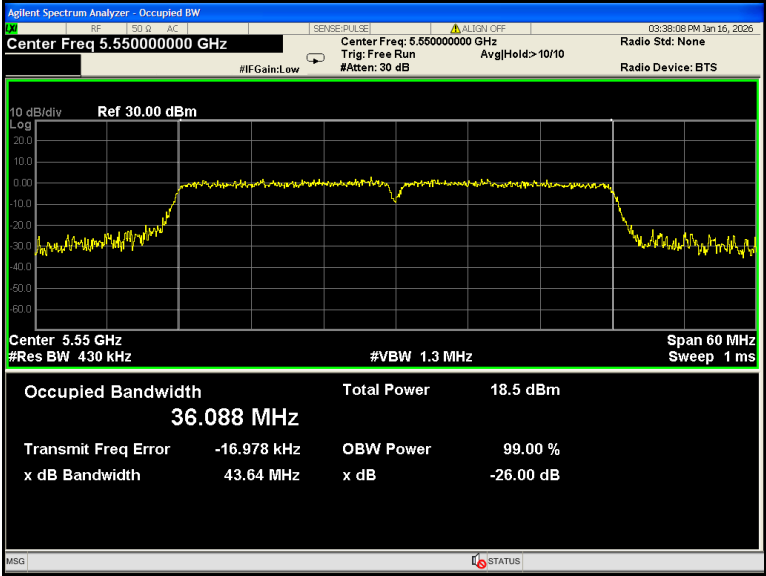
802.11n(HT20) U-NII-2C High channel

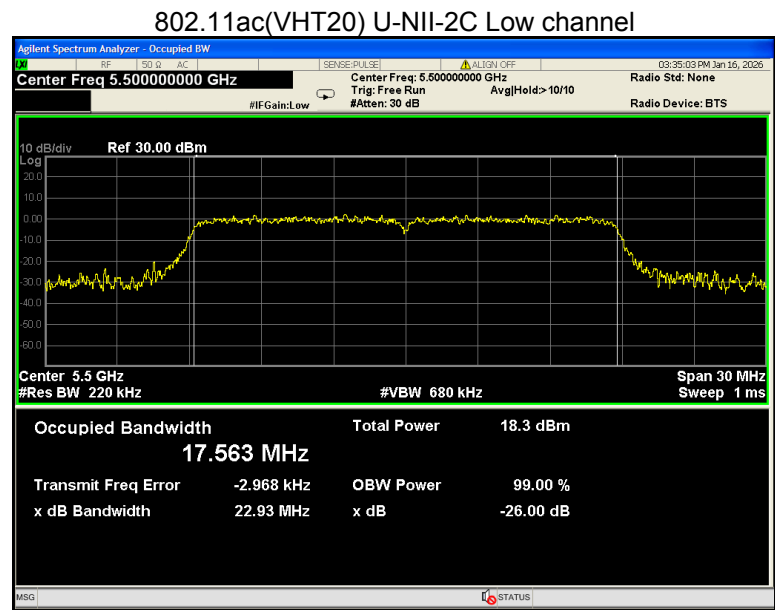
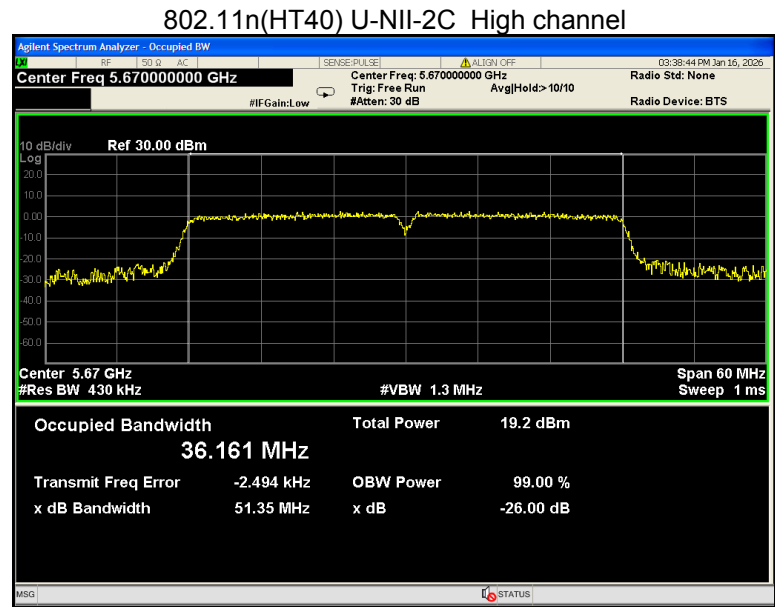


802.11n(HT40) U-NII-2C Low channel

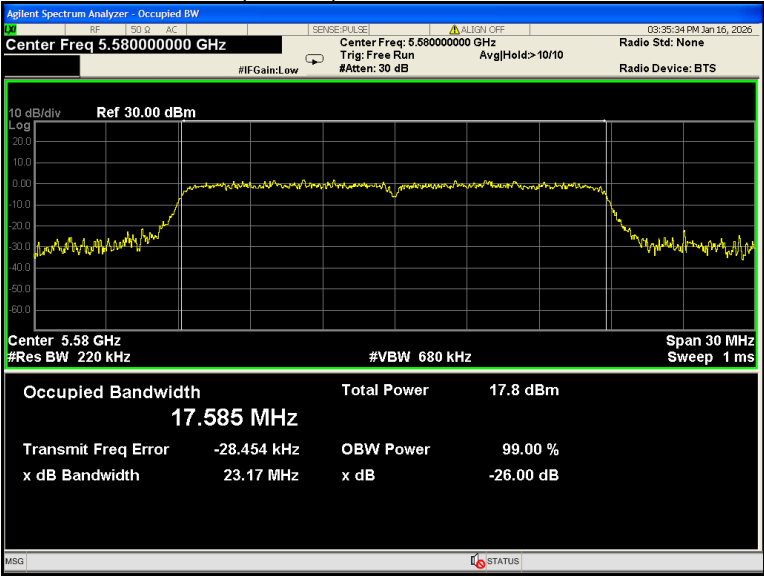


802.11n(HT40) U-NII-2C Middle channel

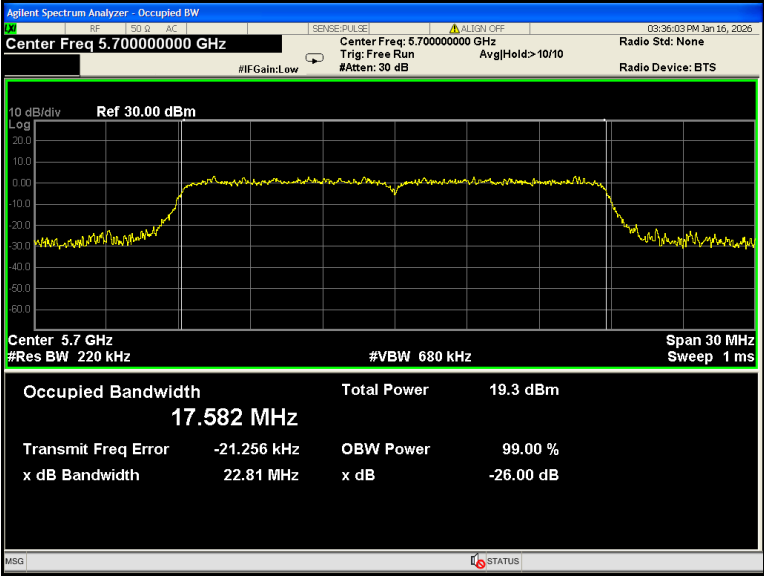




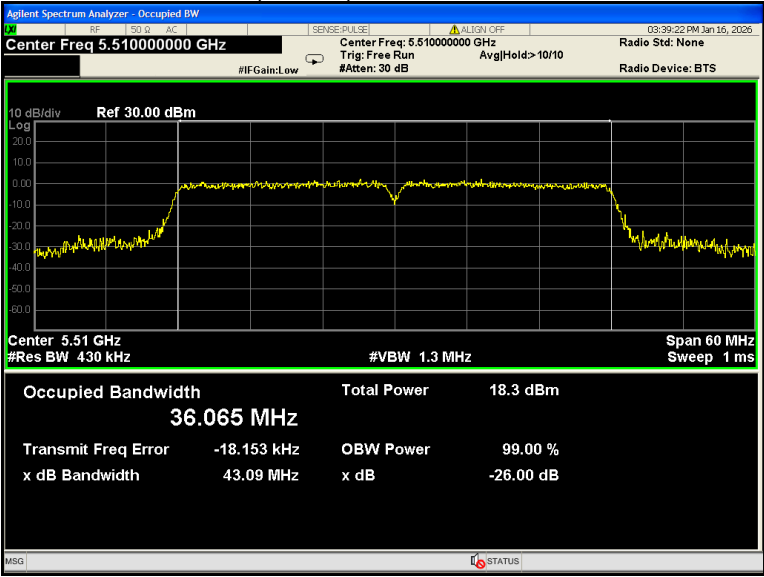
802.11ac(VHT20) U-NII-2C Middle channel



802.11ac(VHT20) U-NII-2C High channel



802.11ac(VHT40) U-NII-2C Low channel



02.11ac(VHT40) U-NII-2C Middle channel

