

TEST REPORT

Reference No. : WTD26D06190405W005
FCC ID..... : 2AEPIBLACKS3
Applicant..... : COLOMBIANA DE COMERCIO S.A.
Address : Car. 43E No 8-71, Medellin, Colombia
Manufacturer : Mobewire 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 S3
Brand Name..... : Kalley
Standards..... : FCC 47CFR Part 15 Section 15.407
Date of Receipt sample..... : 2026-07-03
Date of Test..... : 2026-07-08 to 2026-08-19
Date of Issue : 2026-09-01
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.

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD26D06190405W005	2026-07-03	2026-07-08 to 2026-08-19	2026-09-01	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	Smart Phone
Model(s):	Black S3
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:	V00
Software Version:	Kalley_BLACK_S3_V01_20260616

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: 13.64dBm U-NII-2A: 12.30dBm U-NII-2C: 12.30dBm U-NII-3: 12.78dBm

Type of Modulation:	OFDM
Antenna installation:	FPC Antenna
Antenna Gain:	1.1dBi

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, 4900mAh, 18.97Wh
Adapter:	Model: 491 Input: 100-240V~, 50/60Hz, 0.3A Output: 5.0V==2.0A, 10.0W

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	116	5580
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	2026-07-01	2027-06-30
2	LISN	R&S	ENV216	100115	2026-06-11	2027-06-10
3	Cable	Top	TYPE16(3.5M)	-	2026-06-11	2027-06-10
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	2026-04-07	2027-04-06
2	Amplifier	Agilent	8447D	2944A10178	2026-07-01	2027-06-30
3	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	2025-07-20 2026-07-18	2026-07-19 2027-07-17
4	Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	-	2026-04-07	2027-04-06
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09 2026-08-08	2026-08-08 2027-08-07
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2026-07-01	2027-06-30
7	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	NA	2026-07-01	2027-06-30
8	Coaxial Cable (above 1GHz)	ZT26-NJ-NJ-8M/FA	1GHz-18GHz	-	2026-04-07	2027-04-06
9	Microwave Amplifier	SCHWARZBECK	BBV 9721	100472	2026-07-01	2027-06-30
10	Coaxial Cable	Top	ZT40-2.92J-2.92J-2.0M	17100919	2026-07-01	2027-06-30
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	2026-04-07	2027-04-06
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2025-07-05 2026-07-04	2026-07-04 2027-07-03
3	Active Loop Antenna	Com-Power Corp.	AL-130R	10160007	2026-04-19	2027-04-18
4	Amplifier	ANRITSU	MH648A	M43381	2026-04-07	2027-04-06
5	Cable	HUBER+SUHNER	CBL2	525178	2026-04-07	2027-04-06

RF Conducted Testing						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	Spectrum Analyzer	R&S	FSP40	100501	2026-07-01	2027-06-30
2.	EXA Signal Analyzer	Malaysia Keysight	N9010A	MY50520207	2026-04-07	2027-04-06

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.

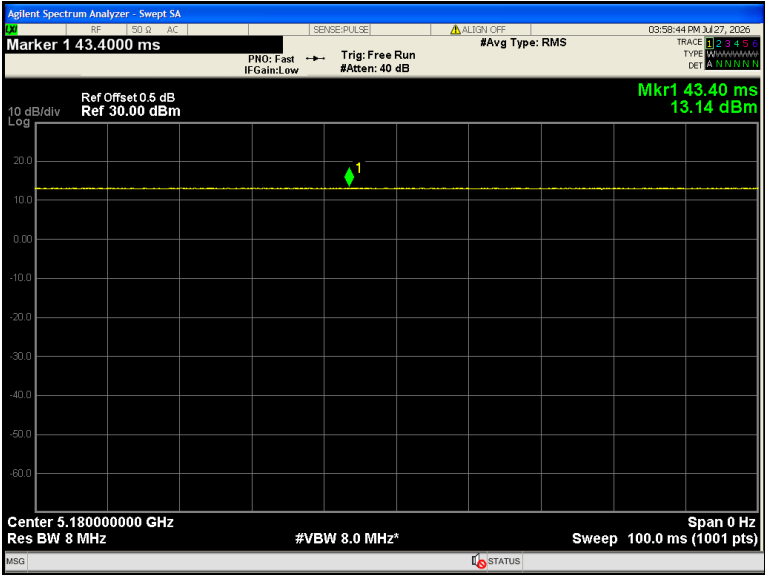
7.1 Summary of Test Results

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	100	100	1.00	100.00	0.00	0.00
U-NII-1 802.11n(HT20)	100	100	1.00	100.00	0.00	0.00
U-NII-1 802.11n(HT40)	100	100	1.00	100.00	0.00	0.00
U-NII-1 802.11ac(VHT20)	100	100	1.00	100.00	0.00	0.00
U-NII-1 802.11ac(VHT40)	100	100	1.00	100.00	0.00	0.00
U-NII-1 802.11ac(VHT80)	100	100	1.00	100.00	0.00	0.00
U-NII-2A 802.11a	100	100	1.00	100.00	0.00	0.00
U-NII-2A 802.11n(HT20)	100	100	1.00	100.00	0.00	0.00
U-NII-2A 802.11n(HT40)	100	100	1.00	100.00	0.00	0.00
U-NII-2A 802.11ac(VHT20)	100	100	1.00	100.00	0.00	0.00
U-NII-2A 802.11ac(VHT40)	100	100	1.00	100.00	0.00	0.00
U-NII-2A 802.11ac(VHT80)	100	100	1.00	100.00	0.00	0.00
U-NII-2C 802.11a	100	100	1.00	100.00	0.00	0.00
U-NII-2C 802.11n(HT20)	100	100	1.00	100.00	0.00	0.00
U-NII-2C 802.11n(HT40)	100	100	1.00	100.00	0.00	0.00
U-NII-2C 802.11ac(VHT20)	100	100	1.00	100.00	0.00	0.00
U-NII-2C 802.11ac(VHT40)	100	100	1.00	100.00	0.00	0.00
U-NII-2C 802.11ac(VHT80)	100	100	1.00	100.00	0.00	0.00

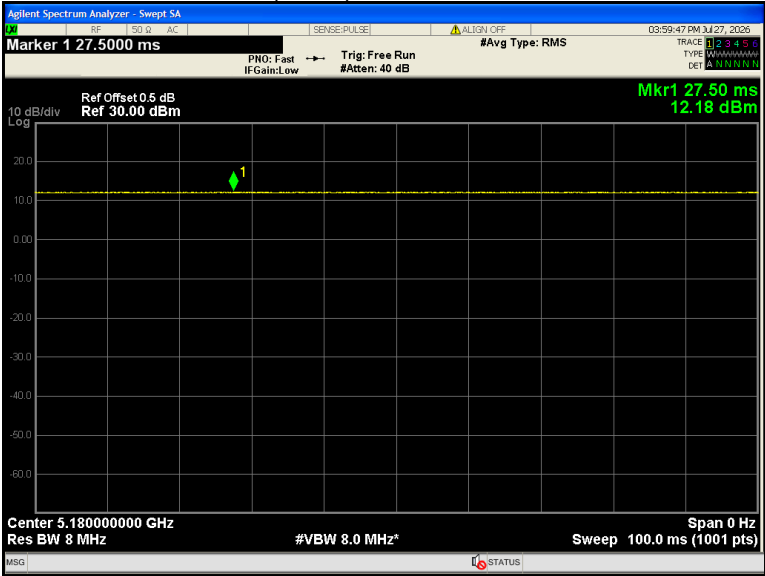
U-NII-3 802.11a	100	100	1.00	100.00	0.00	0.00
U-NII-3 802.11n(HT20)	100	100	1.00	100.00	0.00	0.00
U-NII-3 802.11n(HT40)	100	100	1.00	100.00	0.00	0.00
U-NII-3 802.11ac(VHT20)	100	100	1.00	100.00	0.00	0.00
U-NII-3 802.11ac(VHT40)	100	100	1.00	100.00	0.00	0.00
U-NII-3 802.11ac(VHT80)	100	100	1.00	100.00	0.00	0.00

Test result plots shown as follows:

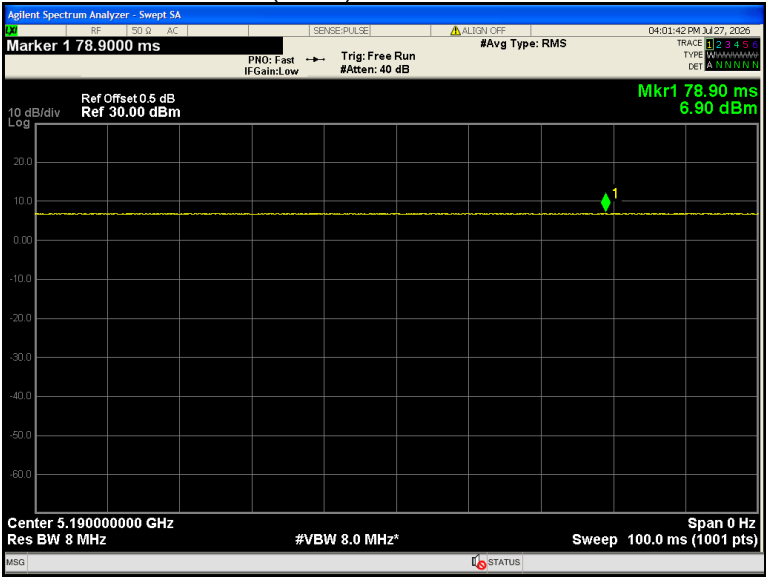
802.11a U-NII-1 Low channel



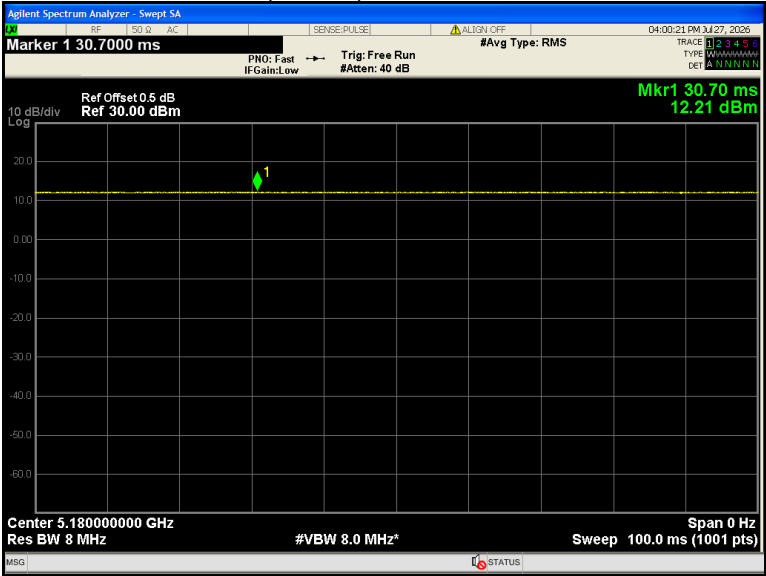
802.11n(HT20) U-NII-1 Low channel



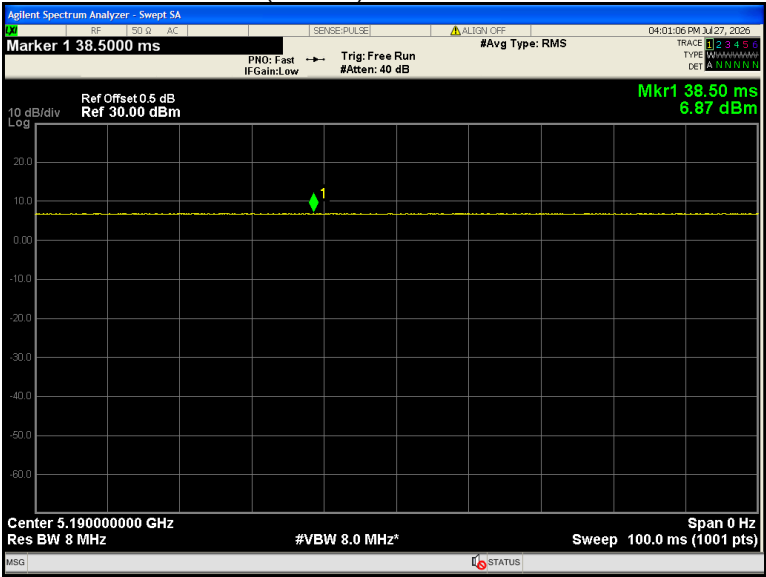
802.11n(HT40) U-NII-1 Low channel



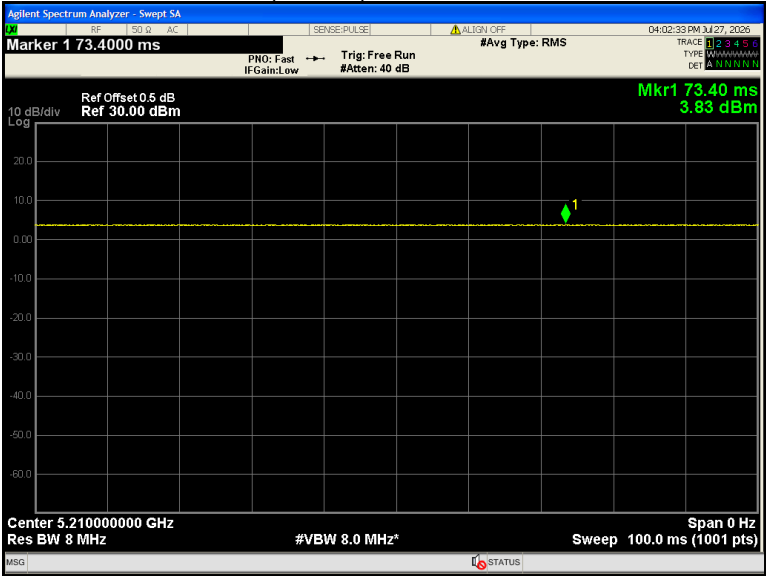
802.11ac(VHT20) U-NII-1 Low channel



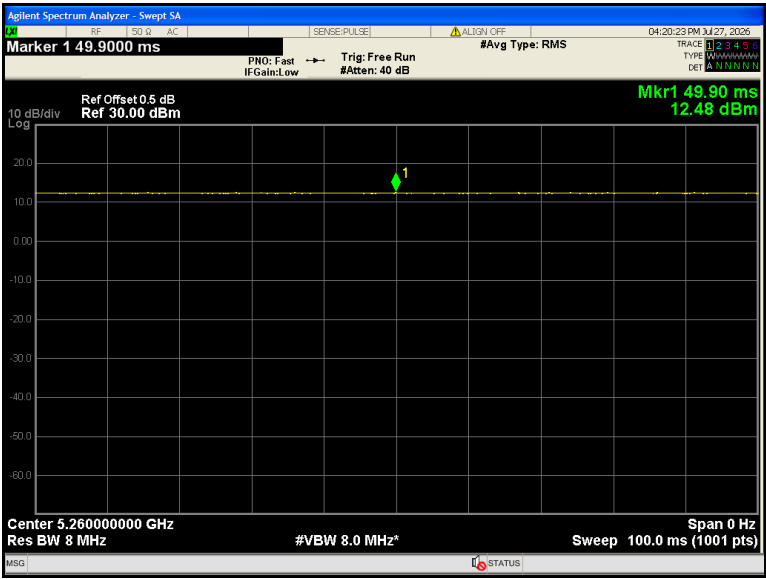
802.11ac(VHT40) U-NII-1 Low channel



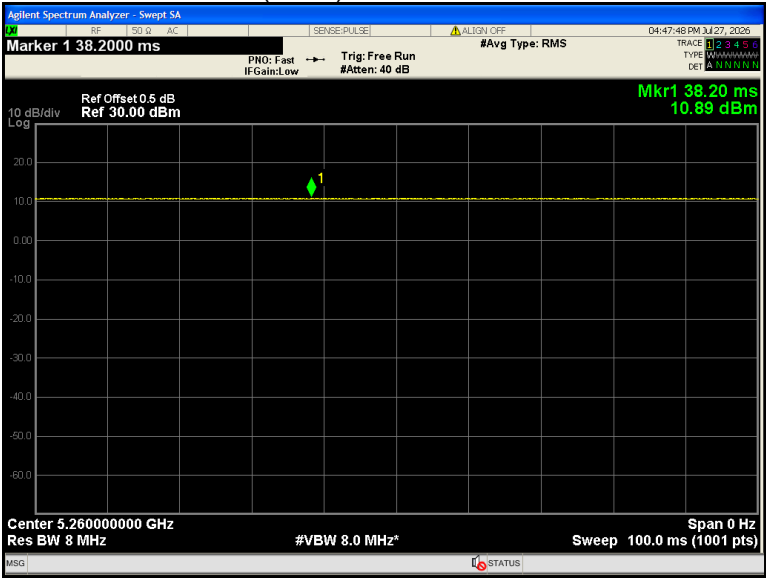
802.11ac(VHT80) U-NII-1 Low channel



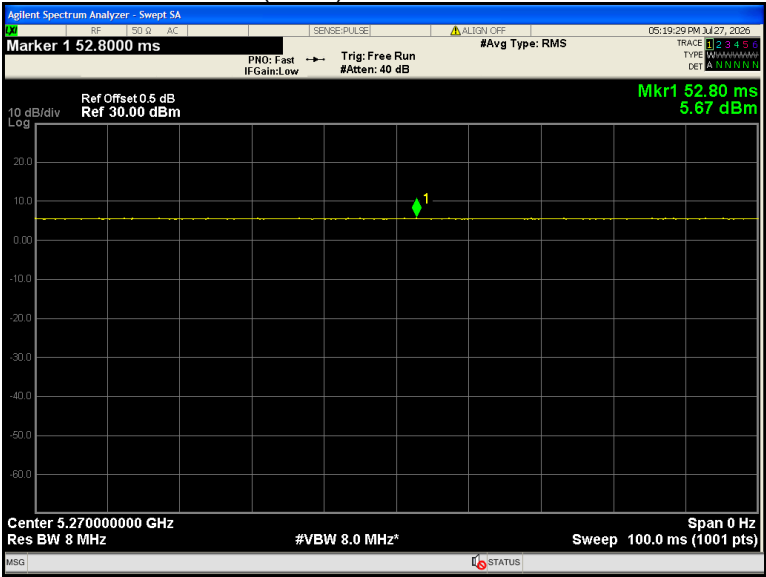
802.11a U-NII-2A Low channel



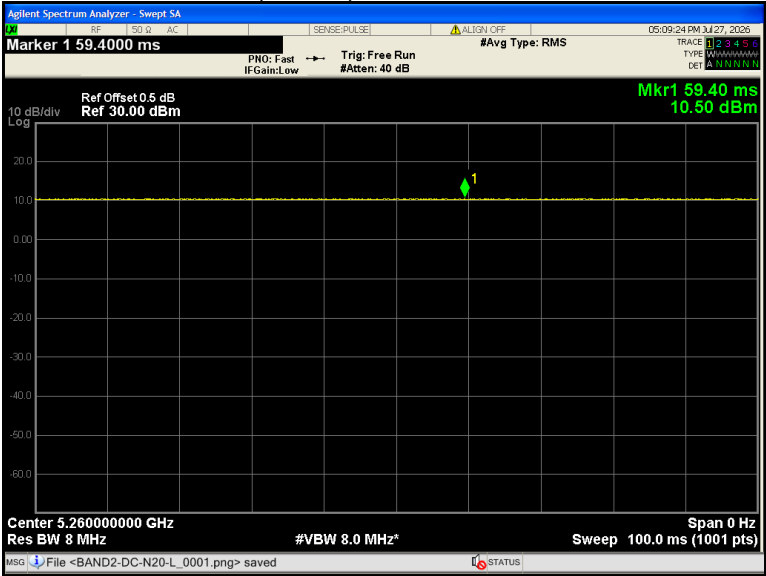
802.11n(HT20) U-NII-2A Low channel



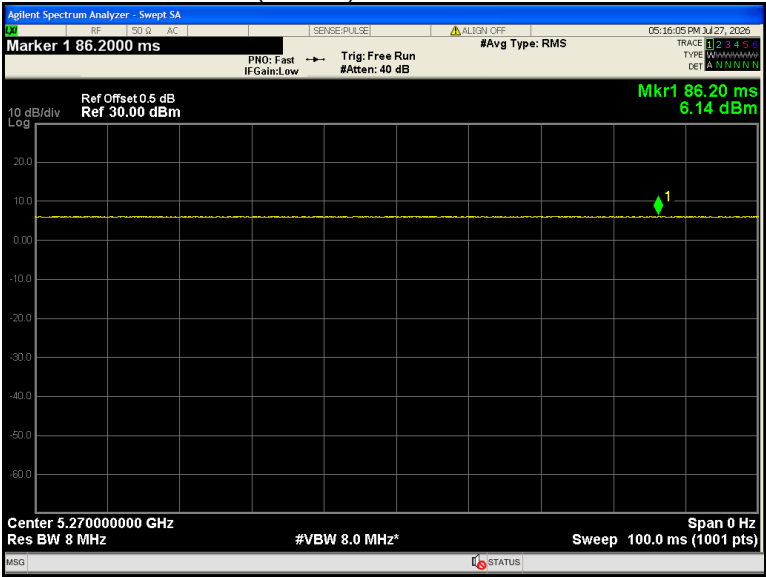
802.11n(HT40) U-NII-2A Low channel



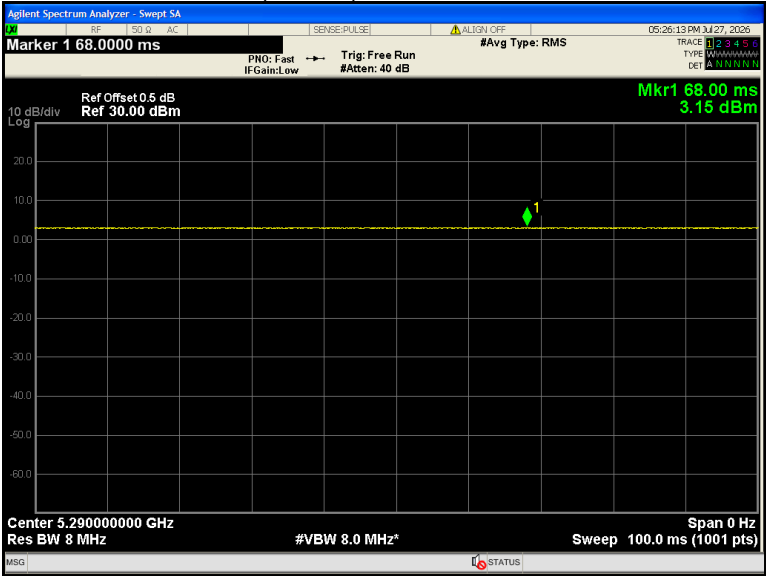
802.11ac(VHT20) U-NII-2A Low channel



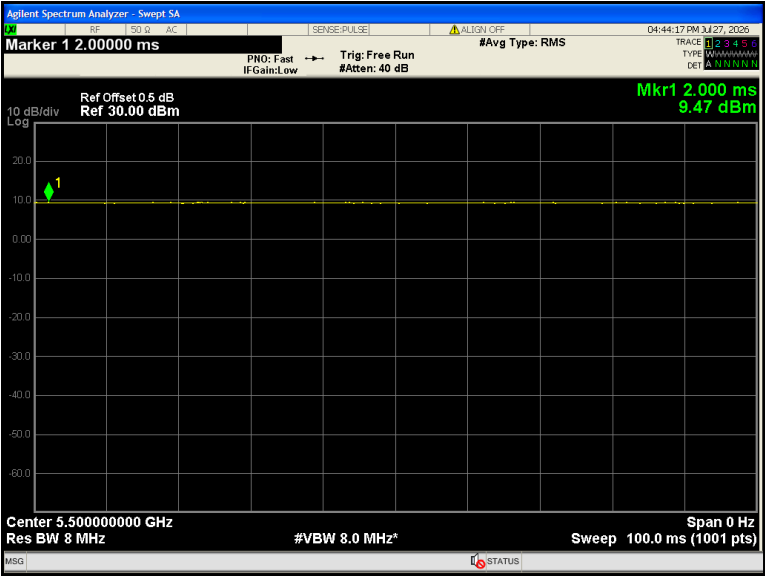
802.11ac(VHT40) U-NII-2A Low channel



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



802.11a U-NII-2C Low channel



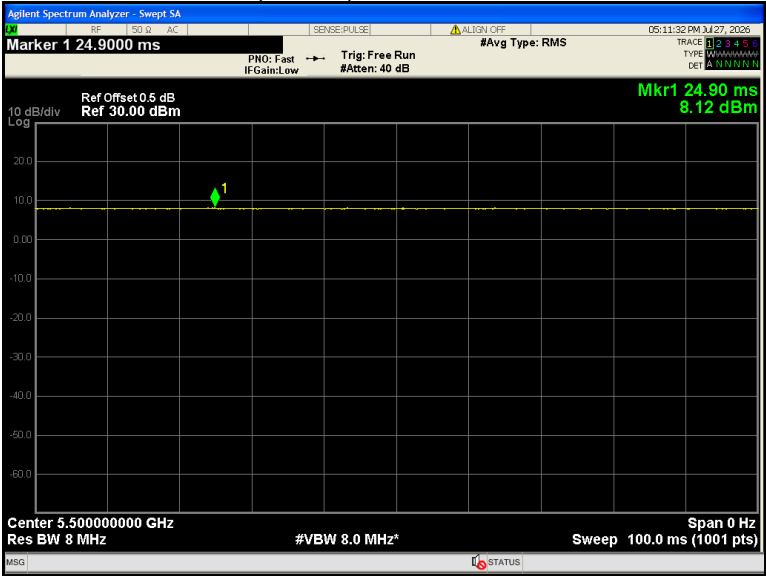
802.11n(HT20) U-NII-2C Low channel



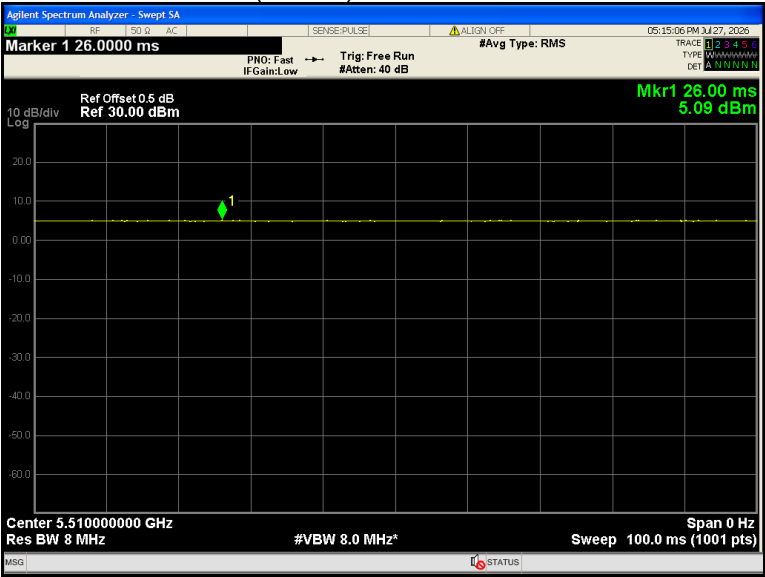
802.11n(HT40) U-NII-2C Low channel



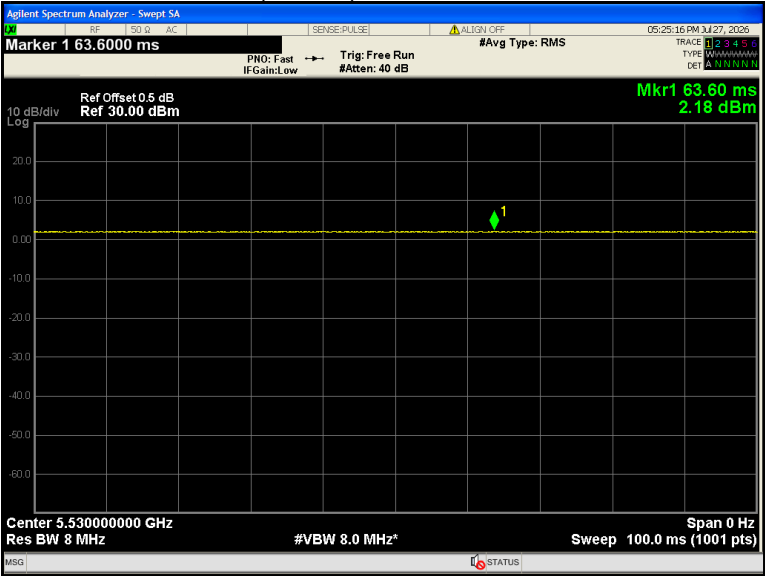
802.11ac(VHT20) U-NII-2C Low channel



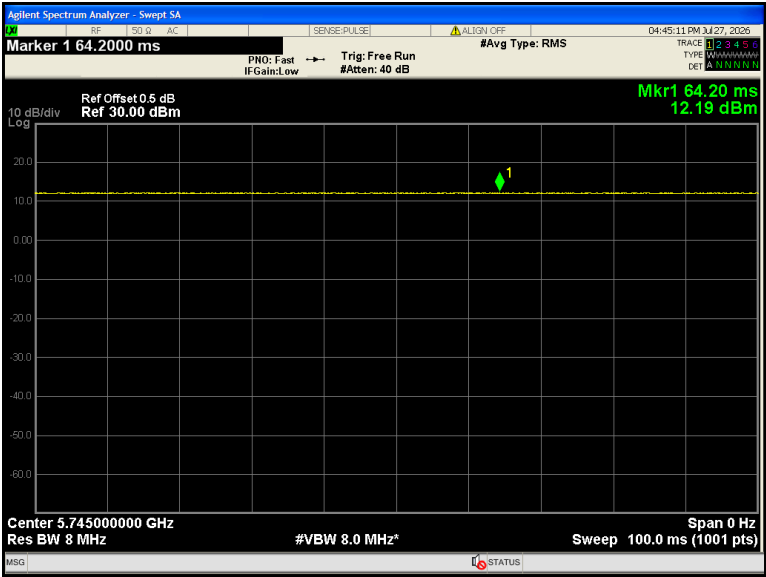
802.11ac(VHT40) U-NII-2C Low channel



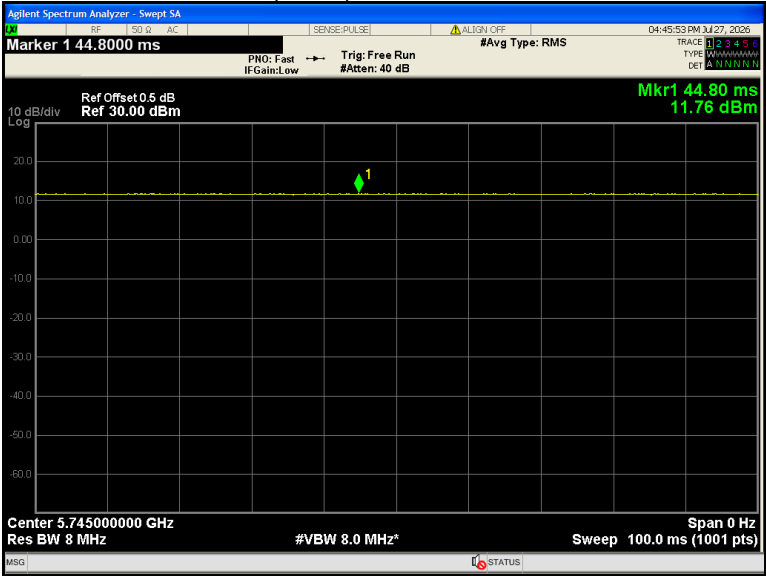
802.11ac(VHT80) U-NII-2C Low channel



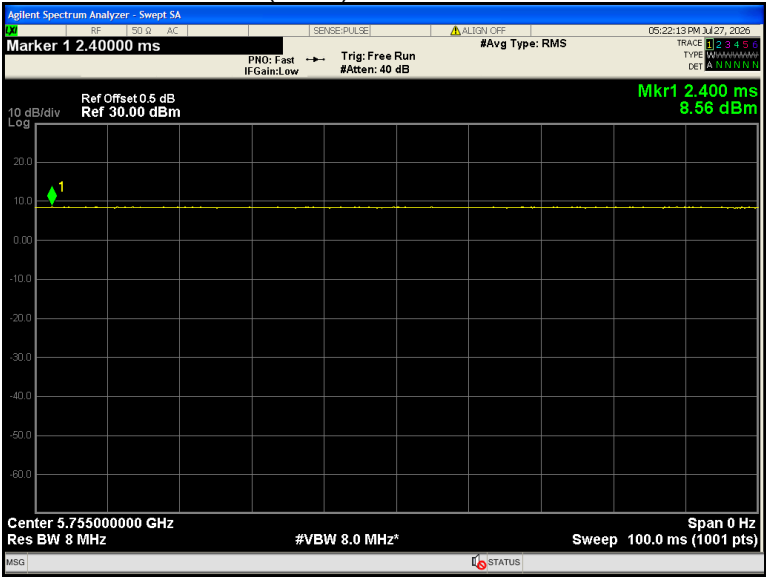
802.11a U-NII-3 Low channel



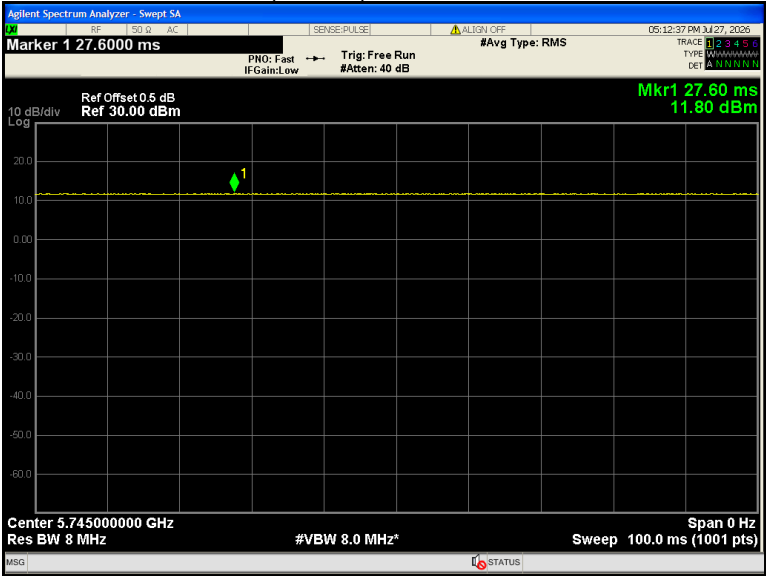
802.11n(HT20) U-NII-3 Low channel



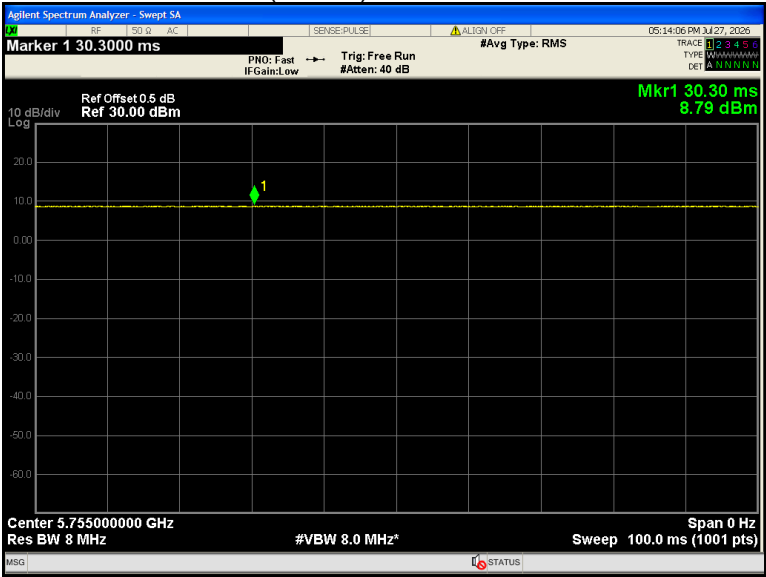
802.11n(HT40) U-NII-3 Low channel



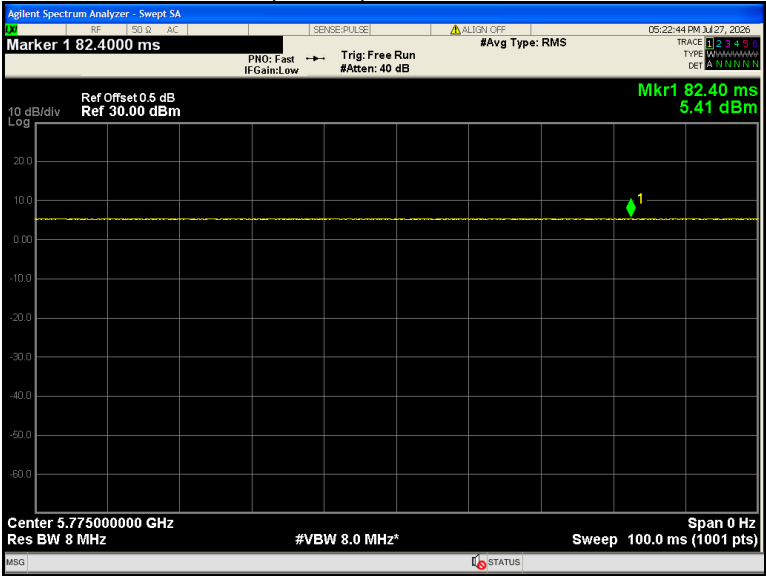
802.11ac(VHT20) U-NII-3 Low channel



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	5	46
5 o 30	60	50

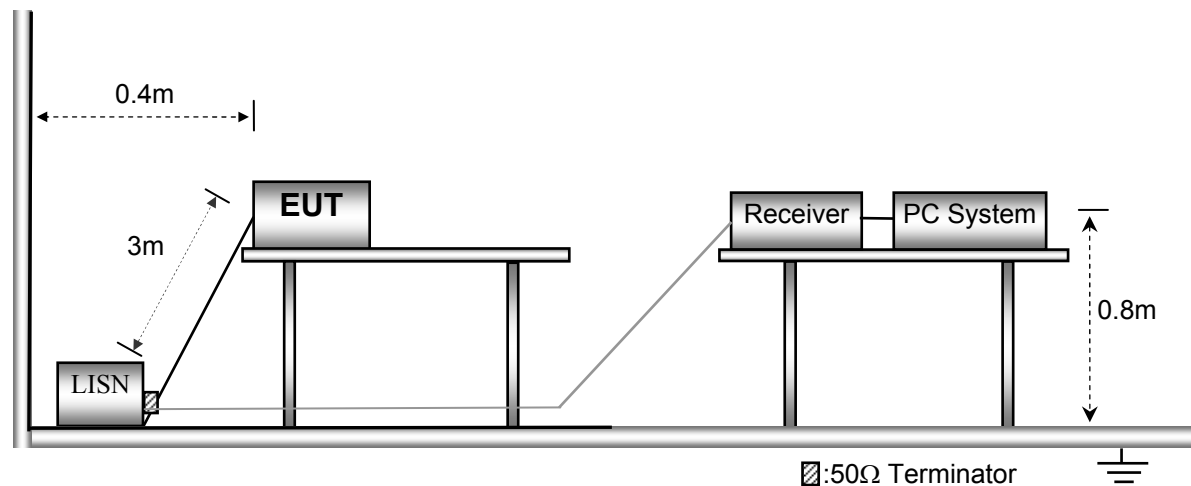
8.1 E.U.T. Operation

Operating Environment :
Temperature: 24.7°C
Humidity: 54.9%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.



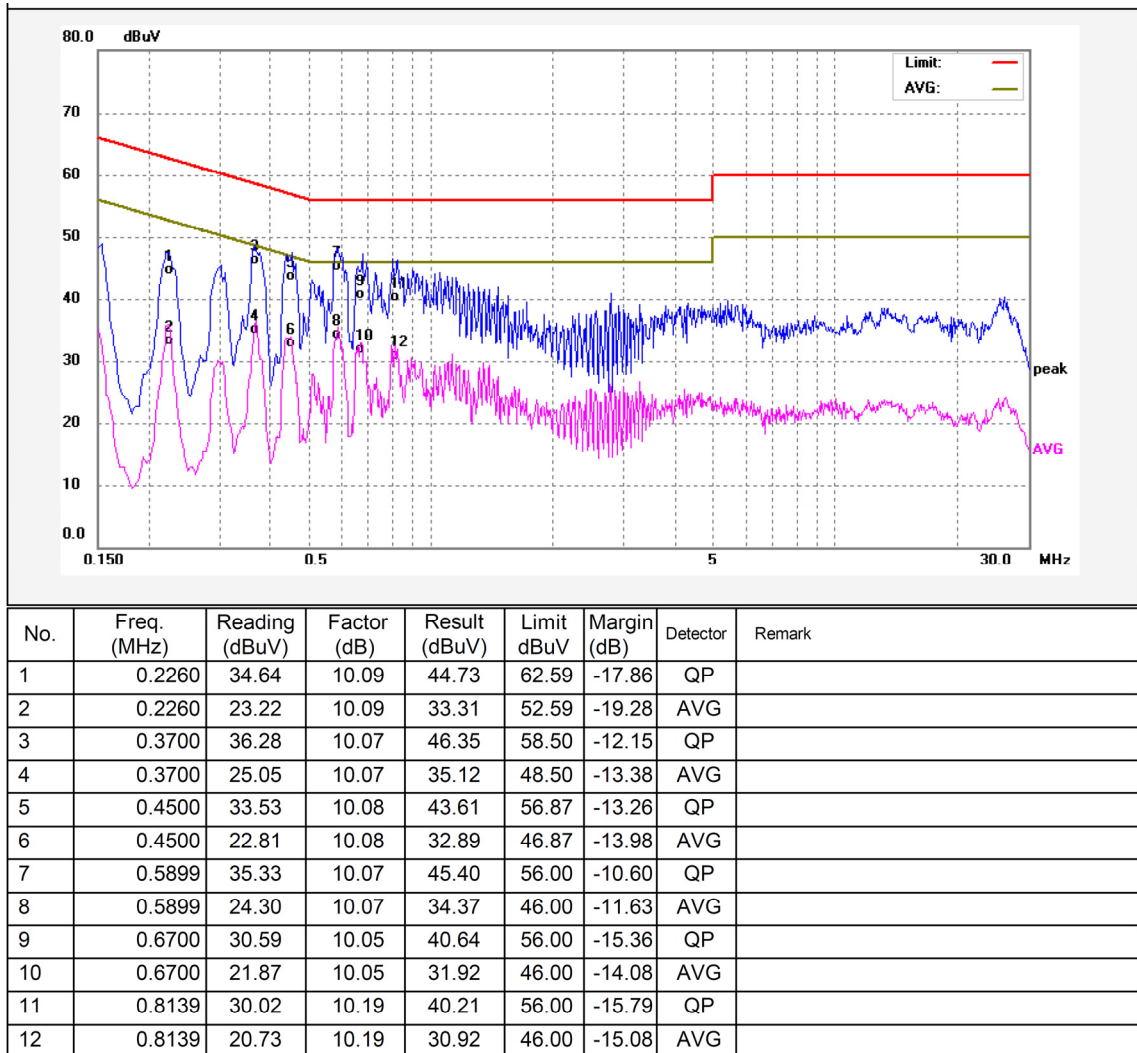
8.3 Measurement Description

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.

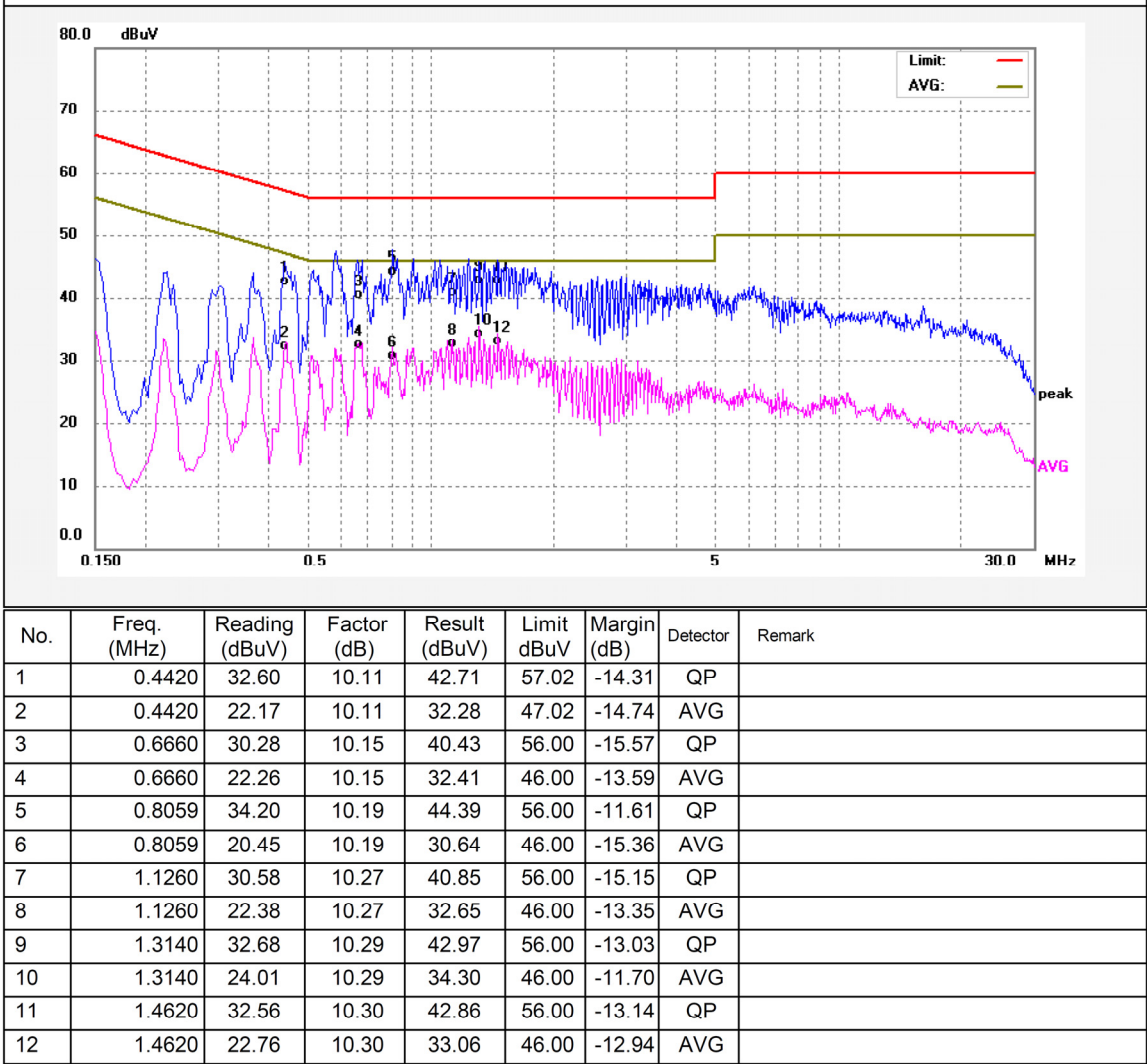
8.4 Conducted Emission Test Result

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

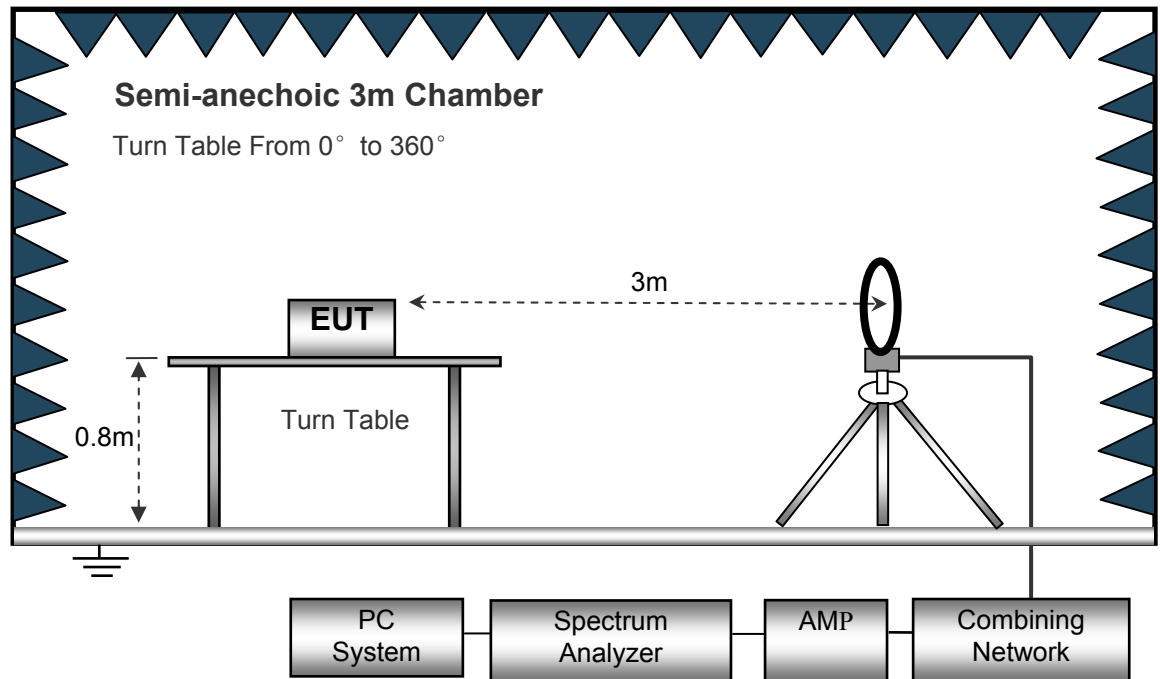
EUT Operation :

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

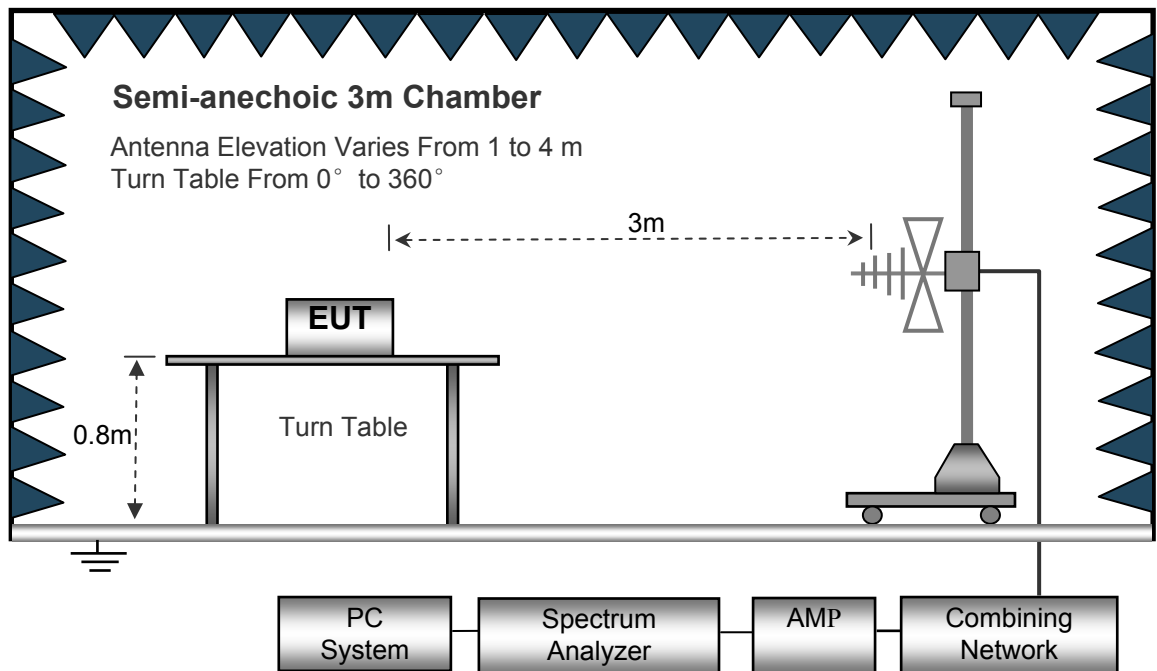
9.2 Test Setup

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

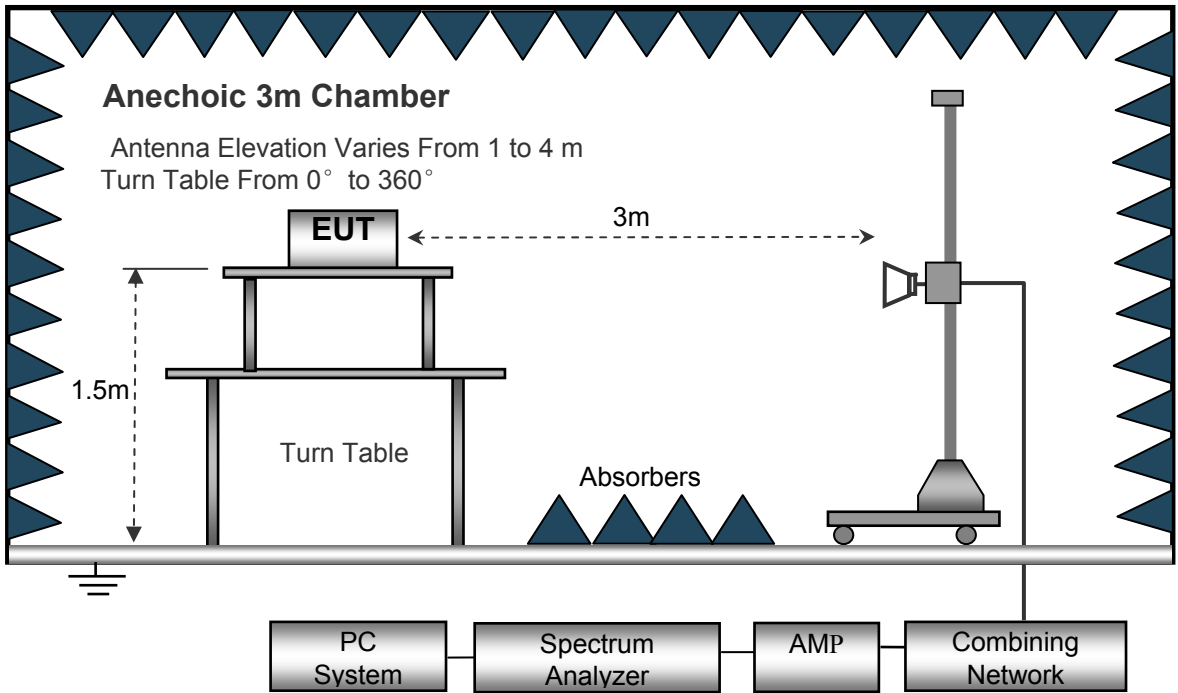
The test setup for emission measurement below 30MHz.



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									
916.07	42.74	QP	71	1.5	H	-9.35	33.39	46.00	-12.61
916.07	47.71	QP	134	1.1	V	-9.35	38.36	46.00	-7.64
4514.91	60.24	PK	59	1.4	H	-2.03	58.21	74.00	-15.79
4514.91	45.81	Ave	59	1.4	H	-2.03	43.78	54.00	-10.22
5149.75	50.97	PK	122	1.4	H	-1.02	49.95	74.00	-24.05
5149.75	38.81	Ave	122	1.4	H	-1.02	37.79	54.00	-16.21
10360.00	47.46	PK	322	1.3	H	5.33	52.79	74.00	-21.21
10360.00	34.00	Ave	322	1.3	H	5.33	39.33	54.00	-14.67
802.11a U-NII-1 Middle channel 5200MHz									
916.07	41.32	QP	131	1.9	H	-9.35	31.97	46.00	-14.03
916.07	47.48	QP	329	1.9	V	-9.35	38.13	46.00	-7.87
4503.47	59.38	PK	329	2.0	H	-1.94	57.44	74.00	-16.56
4503.47	45.08	Ave	329	2.0	H	-1.94	43.14	54.00	-10.86
5119.64	51.10	PK	87	1.2	H	-1.06	50.04	74.00	-23.96
5119.64	39.05	Ave	87	1.2	H	-1.06	37.99	54.00	-16.01
10400.00	46.78	PK	206	1.8	H	5.21	51.99	74.00	-22.01
10400.00	33.71	Ave	206	1.8	H	5.21	38.92	54.00	-15.08

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)
802.11a U-NII-1 High channel 5240MHz									
916.07	40.47	QP	355	1.9	H	-9.35	31.12	46.00	-14.88
916.07	47.00	QP	256	1.4	V	-9.35	37.65	46.00	-8.35
4531.12	59.14	PK	101	2.0	H	-2.24	56.90	74.00	-17.10
4531.12	44.65	Ave	101	2.0	H	-2.24	42.41	54.00	-11.59
5125.48	50.35	PK	104	1.7	H	-1.09	49.26	74.00	-24.74
5125.48	38.17	Ave	104	1.7	H	-1.09	37.08	54.00	-16.92
10480.00	46.99	PK	345	1.8	H	5.14	52.13	74.00	-21.87
10480.00	33.07	Ave	345	1.8	H	5.14	38.21	54.00	-15.79
802.11a U-NII-2A Low Channel 5260MHz									
916.07	40.35	QP	152	1.9	H	-9.35	31.00	46.00	-15.00
916.07	46.20	QP	345	1.3	V	-9.35	36.85	46.00	-9.15
4504.03	57.83	PK	42	1.8	H	-2.03	55.80	74.00	-18.20
4504.03	43.92	Ave	42	1.8	H	-2.03	41.89	54.00	-12.11
5126.66	58.84	PK	299	1.7	H	-1.02	57.82	74.00	-16.18
5126.66	44.89	Ave	299	1.7	H	-1.02	43.87	54.00	-10.13
10520.00	44.12	PK	176	1.5	H	5.33	49.45	74.00	-24.55
10520.00	33.75	Ave	176	1.5	H	5.33	39.08	54.00	-14.92

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									
916.07	39.35	QP	156	1.3	H	-9.35	30.00	46.00	-16.00
916.07	45.65	QP	148	1.8	V	-9.35	36.30	46.00	-9.70
4506.77	56.89	PK	140	2.0	H	-1.94	54.95	74.00	-19.05
4506.77	43.55	Ave	140	2.0	H	-1.94	41.61	54.00	-12.39
5119.46	58.14	PK	78	1.3	H	-1.06	57.08	74.00	-16.92
5119.46	45.29	Ave	78	1.3	H	-1.06	44.23	54.00	-9.77
10560.00	43.00	PK	113	1.7	H	5.21	48.21	74.00	-25.79
10560.00	32.05	Ave	113	1.7	H	5.21	37.26	54.00	-16.74
802.11a U-NII-2A High channel 5320MHz									
916.07	39.15	QP	319	1.1	H	-9.35	29.80	46.00	-16.20
916.07	45.45	QP	204	1.3	V	-9.35	36.10	46.00	-9.90
4516.56	55.52	PK	26	1.3	H	-2.24	53.28	74.00	-20.72
4516.56	42.88	Ave	26	1.3	H	-2.24	40.64	54.00	-13.36
5122.09	57.80	PK	221	1.9	H	-1.09	56.71	74.00	-17.29
5122.09	44.62	Ave	221	1.9	H	-1.09	43.53	54.00	-10.47
10640.00	43.32	PK	180	1.8	H	5.14	48.46	74.00	-25.54
10640.00	32.41	Ave	180	1.8	H	5.14	37.55	54.00	-16.45

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									
916.07	41.16	QP	324	1.1	H	-9.35	31.81	46.00	-14.19
916.07	46.10	QP	212	1.8	V	-9.35	36.75	46.00	-9.25
4510.06	53.46	PK	227	1.4	H	-2.03	51.43	74.00	-22.57
4510.06	41.11	Ave	227	1.4	H	-2.03	39.08	54.00	-14.92
5148.74	56.14	PK	324	1.1	H	-1.02	55.12	74.00	-18.88
5148.74	43.89	Ave	324	1.1	H	-1.02	42.87	54.00	-11.13
11000.00	43.87	PK	228	1.2	H	5.33	49.20	74.00	-24.80
11000.00	35.44	Ave	228	1.2	H	5.33	40.77	54.00	-13.23
802.11a U-NII-2C Middle channel 5580MHz									
916.07	40.23	QP	272	1.0	H	-9.35	30.88	46.00	-15.12
916.07	45.37	QP	231	1.8	V	-9.35	36.02	46.00	-9.98
4529.40	53.27	PK	129	1.6	H	-1.94	51.33	74.00	-22.67
4529.40	40.86	Ave	129	1.6	H	-1.94	38.92	54.00	-15.08
5113.46	55.94	PK	109	1.9	H	-1.06	54.88	74.00	-19.12
5113.46	43.79	Ave	109	1.9	H	-1.06	42.73	54.00	-11.27
11160.00	43.24	PK	300	1.2	H	5.21	48.45	74.00	-25.55
11160.00	34.01	Ave	300	1.2	H	5.21	39.22	54.00	-14.78

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)
802.11a U-NII-2C High channel 5700MHz									
916.07	39.72	QP	1	1.5	H	-9.35	30.37	46.00	-15.63
916.07	44.36	QP	60	1.5	V	-9.35	35.01	46.00	-10.99
4538.21	52.25	PK	282	1.8	H	-2.24	50.01	74.00	-23.99
4538.21	39.68	Ave	282	1.8	H	-2.24	37.44	54.00	-16.56
5148.54	53.89	PK	240	1.3	H	-1.09	52.80	74.00	-21.20
5148.54	41.79	Ave	240	1.3	H	-1.09	40.70	54.00	-13.30
11400.00	42.24	PK	56	1.7	H	5.14	47.38	74.00	-26.62
11400.00	34.17	Ave	56	1.7	H	5.14	39.31	54.00	-14.69
802.11a U-NII-3 Low Channel 5745MHz									
916.07	39.27	QP	18	1.6	H	-9.35	29.92	46.00	-16.08
916.07	45.06	QP	333	1.6	V	-9.35	35.71	46.00	-10.29
4537.22	57.10	PK	97	1.0	H	-2.06	55.04	74.00	-18.96
4537.22	45.14	Ave	97	1.0	H	-2.06	43.08	54.00	-10.92
5386.11	47.01	PK	67	1.4	H	5.93	52.94	74.00	-21.06
5386.11	34.15	Ave	67	1.4	H	5.93	40.08	54.00	-13.92
11490.00	45.85	PK	326	1.3	H	-1.25	44.60	74.00	-29.40
11490.00	37.21	Ave	326	1.3	H	-1.25	35.96	54.00	-18.04

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									
916.07	38.79	QP	128	1.3	H	-9.35	29.44	46.00	-16.56
916.07	44.81	QP	109	1.4	V	-9.35	35.46	46.00	-10.54
4536.82	55.24	PK	41	1.1	H	-2.03	53.21	74.00	-20.79
4536.82	42.97	Ave	41	1.1	H	-2.03	40.94	54.00	-13.06
5361.11	47.69	PK	155	1.1	H	5.81	53.50	74.00	-20.50
5361.11	33.55	Ave	155	1.1	H	5.81	39.36	54.00	-14.64
11570.00	45.02	PK	117	1.1	H	-1.22	43.80	74.00	-30.20
11570.00	38.04	Ave	117	1.1	H	-1.22	36.82	54.00	-17.18
802.11a U-NII-3 High channel 5825MHz									
916.07	38.26	QP	94	1.2	H	-9.35	28.91	46.00	-17.09
916.07	45.69	QP	96	1.4	V	-9.35	36.34	46.00	-9.66
4521.33	58.11	PK	19	1.8	H	-1.84	56.27	74.00	-17.73
4521.33	42.79	Ave	19	1.8	H	-1.84	40.95	54.00	-13.05
5361.27	45.83	PK	216	1.5	H	5.84	51.67	74.00	-22.33
5361.27	33.64	Ave	216	1.5	H	5.84	39.48	54.00	-14.52
11650.00	46.89	PK	253	1.7	H	-1.30	45.59	74.00	-28.41
11650.00	39.90	Ave	253	1.7	H	-1.30	38.60	54.00	-15.40

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									
916.07	40.08	QP	205	1.5	H	-9.35	30.73	46.00	-15.27
916.07	42.34	QP	359	1.1	V	-9.35	32.99	46.00	-13.01
4522.83	55.60	PK	315	1.3	H	-2.14	53.46	74.00	-20.54
4522.83	42.22	Ave	315	1.3	H	-2.14	40.08	54.00	-13.92
5120.00	45.58	PK	221	1.5	H	-1.06	44.52	74.00	-29.48
5120.00	32.29	Ave	221	1.5	H	-1.06	31.23	54.00	-22.77
10360.00	46.47	PK	194	1.2	H	5.33	51.80	74.00	-22.20
10360.00	32.97	Ave	194	1.2	H	5.33	38.30	54.00	-15.70
802.11n(HT20) U-NII-1 Middle channel 5200MHz									
916.07	38.24	QP	77	1.8	H	-9.35	28.89	46.00	-17.11
916.07	40.12	QP	202	1.5	V	-9.35	30.77	46.00	-15.23
4536.96	56.13	PK	105	1.8	H	-2.12	54.01	74.00	-19.99
4536.96	40.21	Ave	105	1.8	H	-2.12	38.09	54.00	-15.91
5124.66	46.02	PK	23	1.1	H	-1.06	44.96	74.00	-29.04
5124.66	35.19	Ave	23	1.1	H	-1.06	34.13	54.00	-19.87
10400.00	47.27	PK	295	1.7	H	5.21	52.48	74.00	-21.52
10400.00	33.36	Ave	295	1.7	H	5.21	38.57	54.00	-15.43

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									
916.07	37.83	QP	142	2.0	H	-9.35	28.48	46.00	-17.52
916.07	40.76	QP	163	1.7	V	-9.35	31.41	46.00	-14.59
4536.53	55.82	PK	93	2.0	H	-1.96	53.86	74.00	-20.14
4536.53	40.21	Ave	93	2.0	H	-1.96	38.25	54.00	-15.75
5111.86	47.30	PK	226	1.6	H	-1.06	46.24	74.00	-27.76
5111.86	36.68	Ave	226	1.6	H	-1.06	35.62	54.00	-18.38
10480.00	46.43	PK	210	1.5	H	5.14	51.57	74.00	-22.43
10480.00	35.59	Ave	210	1.5	H	5.14	40.73	54.00	-13.27
802.11n(HT20) U-NII-2A Low Channel 5260MHz									
916.07	39.48	QP	66	1.3	H	-9.35	30.13	46.00	-15.87
916.07	47.24	QP	355	1.7	V	-9.35	37.89	46.00	-8.11
4517.47	66.14	PK	56	1.9	H	-2.03	64.11	74.00	-9.89
4517.47	47.30	Ave	56	1.9	H	-2.03	45.27	54.00	-8.73
5144.90	56.32	PK	181	1.5	H	-1.02	55.30	74.00	-18.70
5144.90	41.63	Ave	181	1.5	H	-1.02	40.61	54.00	-13.39
10520.00	39.95	PK	91	1.4	H	5.33	45.28	74.00	-28.72
10520.00	26.24	Ave	91	1.4	H	5.33	31.57	54.00	-22.43

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									
916.07	40.63	QP	347	1.4	H	-9.35	31.28	46.00	-14.72
916.07	48.30	QP	320	1.9	V	-9.35	38.95	46.00	-7.05
4539.11	66.21	PK	231	1.9	H	-1.94	64.27	74.00	-9.73
4539.11	46.46	Ave	231	1.9	H	-1.94	44.52	54.00	-9.48
5118.35	57.34	PK	20	1.0	H	-1.06	56.28	74.00	-17.72
5118.35	41.53	Ave	20	1.0	H	-1.06	40.47	54.00	-13.53
10560.00	40.39	PK	333	1.5	H	5.21	45.60	74.00	-28.40
10560.00	24.75	Ave	333	1.5	H	5.21	29.96	54.00	-24.04
802.11n(HT20) U-NII-2A High channel 5320MHz									
916.07	39.06	QP	140	1.5	H	-9.35	29.71	46.00	-16.29
916.07	48.82	QP	13	1.6	V	-9.35	39.47	46.00	-6.53
4509.95	67.30	PK	348	1.7	H	-2.24	65.06	74.00	-8.94
4509.95	47.94	Ave	348	1.7	H	-2.24	45.70	54.00	-8.30
5116.60	57.74	PK	171	1.5	H	-1.09	56.65	74.00	-17.35
5116.60	42.44	Ave	171	1.5	H	-1.09	41.35	54.00	-12.65
10640.00	39.03	PK	147	1.9	H	5.14	44.17	74.00	-29.83
10640.00	26.49	Ave	147	1.9	H	5.14	31.63	54.00	-22.37

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(HT20) U-NII-2C Low Channel 5500MHz									
916.07	37.28	QP	3	1.6	H	-9.35	27.93	46.00	-18.07
916.07	47.09	QP	280	1.2	V	-9.35	37.74	46.00	-8.26
4527.37	51.44	PK	184	1.5	H	-2.03	49.41	74.00	-24.59
4527.37	24.51	Ave	184	1.5	H	-2.03	22.48	54.00	-31.52
5111.23	48.27	PK	325	1.3	H	-1.02	47.25	74.00	-26.75
5111.23	34.92	Ave	325	1.3	H	-1.02	33.90	54.00	-20.10
11000.00	41.15	PK	333	1.9	H	5.33	46.48	74.00	-27.52
11000.00	26.62	Ave	333	1.9	H	5.33	31.95	54.00	-22.05
802.11n(HT20) U-NII-2C Middle channel 5580MHz									
916.07	38.60	QP	81	1.6	H	-9.35	29.25	46.00	-16.75
916.07	48.25	QP	195	1.2	V	-9.35	38.90	46.00	-7.10
4530.66	50.23	PK	331	1.2	H	-1.94	48.29	74.00	-25.71
4530.66	25.26	Ave	331	1.2	H	-1.94	23.32	54.00	-30.68
5122.34	49.62	PK	271	1.1	H	-1.06	48.56	74.00	-25.44
5122.34	36.71	Ave	271	1.1	H	-1.06	35.65	54.00	-18.35
11160.00	42.57	PK	239	1.0	H	5.21	47.78	74.00	-26.22
11160.00	25.40	Ave	239	1.0	H	5.21	30.61	54.00	-23.39

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 High channel 5700MHz									
916.07	37.40	QP	333	1.9	H	-9.35	28.05	46.00	-17.95
916.07	48.21	QP	174	1.5	V	-9.35	38.86	46.00	-7.14
4523.42	50.75	PK	8	1.0	H	-2.24	48.51	74.00	-25.49
4523.42	25.75	Ave	8	1.0	H	-2.24	23.51	54.00	-30.49
5123.92	47.93	PK	93	1.8	H	-1.09	46.84	74.00	-27.16
5123.92	34.61	Ave	93	1.8	H	-1.09	33.52	54.00	-20.48
11400.00	40.30	PK	80	1.7	H	5.14	45.44	74.00	-28.56
11400.00	26.55	Ave	80	1.7	H	5.14	31.69	54.00	-22.31
802.11n(HT20) U-NII-3 Low Channel 5745MHz									
916.07	36.32	QP	143	1.4	H	-9.35	26.97	46.00	-19.03
916.07	42.42	QP	125	1.7	V	-9.35	33.07	46.00	-12.93
4513.03	56.57	PK	228	1.8	H	-2.06	54.51	74.00	-19.49
4513.03	46.68	Ave	228	1.8	H	-2.06	44.62	54.00	-9.38
5378.72	47.21	PK	259	1.0	H	5.93	53.14	74.00	-20.86
5378.72	34.78	Ave	259	1.0	H	5.93	40.71	54.00	-13.29
11490.00	46.13	PK	16	1.1	H	-1.25	44.88	74.00	-29.12
11490.00	38.63	Ave	16	1.1	H	-1.25	37.38	54.00	-16.62

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									
916.07	39.18	QP	38	1.9	H	-9.35	29.83	46.00	-16.17
916.07	45.91	QP	237	1.1	V	-9.35	36.56	46.00	-9.44
4507.84	56.69	PK	163	2.0	H	-2.03	54.66	74.00	-19.34
4507.84	45.58	Ave	163	2.0	H	-2.03	43.55	54.00	-10.45
5363.11	53.19	PK	103	1.9	H	5.81	59.00	74.00	-15.00
5363.11	38.03	Ave	103	1.9	H	5.81	43.84	54.00	-10.16
11570.00	46.55	PK	302	1.6	H	-1.22	45.33	74.00	-28.67
11570.00	37.70	Ave	302	1.6	H	-1.22	36.48	54.00	-17.52
802.11n(HT20) U-NII-3 High channel 5825MHz									
916.07	39.65	QP	342	1.7	H	-9.35	30.30	46.00	-15.70
916.07	46.41	QP	119	1.6	V	-9.35	37.06	46.00	-8.94
4504.38	56.51	PK	300	1.3	H	-1.84	54.67	74.00	-19.33
4504.38	46.12	Ave	300	1.3	H	-1.84	44.28	54.00	-9.72
5353.85	54.09	PK	223	1.4	H	5.84	59.93	74.00	-14.07
5353.85	40.41	Ave	223	1.4	H	5.84	46.25	54.00	-7.75
11650.00	45.39	PK	40	1.3	H	-1.30	44.09	74.00	-29.91
11650.00	37.88	Ave	40	1.3	H	-1.30	36.58	54.00	-17.42

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-1 Low Channel 5180MHz									
916.07	36.78	QP	176	1.8	H	-9.35	27.43	46.00	-18.57
916.07	45.77	QP	3	1.1	V	-9.35	36.42	46.00	-9.58
4509.44	45.81	PK	37	1.2	H	-1.86	43.95	74.00	-30.05
4509.44	37.92	Ave	37	1.2	H	-1.86	36.06	54.00	-17.94
5142.43	50.12	PK	278	1.3	H	-1.06	49.06	74.00	-24.94
5142.43	41.44	Ave	278	1.3	H	-1.06	40.38	54.00	-13.62
10360.00	46.43	PK	123	1.3	H	5.33	51.76	74.00	-22.24
10360.00	38.01	Ave	123	1.3	H	5.33	43.34	54.00	-10.66
802.11ac(VHT20) U-NII-1 Middle channel 5200MHz									
916.07	40.13	QP	297	1.2	H	-9.35	30.78	46.00	-15.22
916.07	47.85	QP	4	1.1	V	-9.35	38.50	46.00	-7.50
4505.02	46.67	PK	261	1.1	H	-1.82	44.85	74.00	-29.15
4505.02	40.21	Ave	261	1.1	H	-1.82	38.39	54.00	-15.61
5125.51	49.76	PK	234	1.9	H	-1.06	48.70	74.00	-25.30
5125.51	43.62	Ave	234	1.9	H	-1.06	42.56	54.00	-11.44
10400.00	48.07	PK	257	1.5	H	5.21	53.28	74.00	-20.72
10400.00	34.50	Ave	257	1.5	H	5.21	39.71	54.00	-14.29

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									
916.07	39.97	QP	215	1.4	H	-9.35	30.62	46.00	-15.38
916.07	47.19	QP	224	1.0	V	-9.35	37.84	46.00	-8.16
4512.82	46.65	PK	227	1.3	H	-1.81	44.84	74.00	-29.16
4512.82	39.42	Ave	227	1.3	H	-1.81	37.61	54.00	-16.39
5144.68	49.77	PK	17	1.8	H	-1.06	48.71	74.00	-25.29
5144.68	43.60	Ave	17	1.8	H	-1.06	42.54	54.00	-11.46
10480.00	48.50	PK	103	1.6	H	5.14	53.64	74.00	-20.36
10480.00	34.24	Ave	103	1.6	H	5.14	39.38	54.00	-14.62
802.11ac(VHT20) U-NII-2A Low Channel 5260MHz									
916.07	44.12	QP	44	1.1	H	-9.35	34.77	46.00	-11.23
916.07	45.85	QP	336	1.2	V	-9.35	36.50	46.00	-9.50
4504.70	46.23	PK	178	1.6	H	-2.03	44.20	74.00	-29.80
4504.70	33.66	Ave	178	1.6	H	-2.03	31.63	54.00	-22.37
5148.26	47.37	PK	53	1.9	H	-1.02	46.35	74.00	-27.65
5148.26	35.77	Ave	53	1.9	H	-1.02	34.75	54.00	-19.25
10520.00	40.00	PK	51	1.8	H	5.33	45.33	74.00	-28.67
10520.00	33.03	Ave	51	1.8	H	5.33	38.36	54.00	-15.64

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									
916.07	43.22	QP	16	1.8	H	-9.35	33.87	46.00	-12.13
916.07	46.66	QP	10	1.3	V	-9.35	37.31	46.00	-8.69
4516.68	46.30	PK	103	1.1	H	-1.94	44.36	74.00	-29.64
4516.68	34.00	Ave	103	1.1	H	-1.94	32.06	54.00	-21.94
5143.76	47.37	PK	318	1.2	H	-1.06	46.31	74.00	-27.69
5143.76	36.82	Ave	318	1.2	H	-1.06	35.76	54.00	-18.24
10560.00	38.99	PK	146	1.4	H	5.21	44.20	74.00	-29.80
10560.00	31.94	Ave	146	1.4	H	5.21	37.15	54.00	-16.85
802.11ac(VHT20) U-NII-2A High channel 5320MHz									
916.07	42.30	QP	160	1.0	H	-9.35	32.95	46.00	-13.05
916.07	46.26	QP	178	1.8	V	-9.35	36.91	46.00	-9.09
4522.00	47.02	PK	186	2.0	H	-2.24	44.78	74.00	-29.22
4522.00	35.26	Ave	186	2.0	H	-2.24	33.02	54.00	-20.98
5149.39	48.06	PK	214	1.5	H	-1.09	46.97	74.00	-27.03
5149.39	38.66	Ave	214	1.5	H	-1.09	37.57	54.00	-16.43
10640.00	44.59	PK	172	1.6	H	5.14	49.73	74.00	-24.27
10640.00	31.59	Ave	172	1.6	H	5.14	36.73	54.00	-17.27

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									
916.07	42.47	QP	89	1.5	H	-9.35	33.12	46.00	-12.88
916.07	45.63	QP	30	1.3	V	-9.35	36.28	46.00	-9.72
4513.40	46.63	PK	94	1.4	H	-2.03	44.60	74.00	-29.40
4513.40	38.29	Ave	94	1.4	H	-2.03	36.26	54.00	-17.74
5112.75	47.35	PK	6	1.4	H	-1.02	46.33	74.00	-27.67
5112.75	33.80	Ave	6	1.4	H	-1.02	32.78	54.00	-21.22
11000.00	42.33	PK	298	1.6	H	5.33	47.66	74.00	-26.34
11000.00	36.98	Ave	298	1.6	H	5.33	42.31	54.00	-11.69
802.11ac(VHT20) U-NII-2C Middle channel 5580MHz									
916.07	42.35	QP	248	1.3	H	-9.35	33.00	46.00	-13.00
916.07	44.36	QP	74	1.1	V	-9.35	35.01	46.00	-10.99
4538.24	45.58	PK	237	1.5	H	-1.94	43.64	74.00	-30.36
4538.24	38.17	Ave	237	1.5	H	-1.94	36.23	54.00	-17.77
5123.57	46.66	PK	112	1.7	H	-1.06	45.60	74.00	-28.40
5123.57	33.32	Ave	112	1.7	H	-1.06	32.26	54.00	-21.74
11160.00	43.66	PK	137	1.6	H	5.21	48.87	74.00	-25.13
11160.00	35.52	Ave	137	1.6	H	5.21	40.73	54.00	-13.27

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									
916.07	43.19	QP	315	1.3	H	-9.35	33.84	46.00	-12.16
916.07	45.80	QP	39	1.1	V	-9.35	36.45	46.00	-9.55
4518.87	45.95	PK	147	1.8	H	-2.24	43.71	74.00	-30.29
4518.87	37.77	Ave	147	1.8	H	-2.24	35.53	54.00	-18.47
5115.39	47.74	PK	338	1.8	H	-1.09	46.65	74.00	-27.35
5115.39	33.03	Ave	338	1.8	H	-1.09	31.94	54.00	-22.06
11400.00	42.29	PK	77	1.6	H	5.14	47.43	74.00	-26.57
11400.00	28.91	Ave	77	1.6	H	5.14	34.05	54.00	-19.95
802.11ac(VHT20) U-NII-3 Low Channel 5745MHz									
916.07	35.52	QP	124	1.1	H	-9.35	26.17	46.00	-19.83
916.07	40.92	QP	116	1.5	V	-9.35	31.57	46.00	-14.43
4520.72	44.71	PK	243	1.6	H	-1.92	42.79	74.00	-31.21
4520.72	36.57	Ave	243	1.6	H	-1.92	34.65	54.00	-19.35
5375.22	44.93	PK	179	2.0	H	5.93	50.86	74.00	-23.14
5375.22	32.36	Ave	179	2.0	H	5.93	38.29	54.00	-15.71
11490.00	47.00	PK	233	1.5	H	-1.03	45.97	74.00	-28.03
11490.00	38.15	Ave	233	1.5	H	-1.03	37.12	54.00	-16.88

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									
916.07	37.53	QP	136	1.3	H	-9.35	28.18	46.00	-17.82
916.07	40.28	QP	182	1.6	V	-9.35	30.93	46.00	-15.07
4505.82	43.83	PK	192	1.8	H	-1.97	41.86	74.00	-32.14
4505.82	33.83	Ave	192	1.8	H	-1.97	31.86	54.00	-22.14
5361.19	46.82	PK	18	1.2	H	5.81	52.63	74.00	-21.37
5361.19	35.59	Ave	18	1.2	H	5.81	41.40	54.00	-12.60
11570.00	46.99	PK	173	1.5	H	-1.05	45.94	74.00	-28.06
11570.00	39.20	Ave	173	1.5	H	-1.05	38.15	54.00	-15.85
802.11ac(VHT20) U-NII-3 High channel 5825MHz									
916.07	36.81	QP	209	1.5	H	-9.35	27.46	46.00	-18.54
916.07	39.59	QP	305	1.5	V	-9.35	30.24	46.00	-15.76
4526.23	43.59	PK	120	1.6	H	-1.88	41.71	74.00	-32.29
4526.23	33.76	Ave	120	1.6	H	-1.88	31.88	54.00	-22.12
5373.74	46.91	PK	148	1.1	H	5.84	52.75	74.00	-21.25
5373.74	35.54	Ave	148	1.1	H	5.84	41.38	54.00	-12.62
11650.00	46.89	PK	57	1.4	H	-1.06	45.83	74.00	-28.17
11650.00	37.66	Ave	57	1.4	H	-1.06	36.60	54.00	-17.40

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									
916.07	37.70	QP	349	1.8	H	-9.35	28.35	46.00	-17.65
916.07	48.69	QP	26	1.8	V	-9.35	39.34	46.00	-6.66
4521.91	53.47	PK	212	1.7	H	-1.89	51.58	74.00	-22.42
4521.91	37.78	Ave	212	1.7	H	-1.89	35.89	54.00	-18.11
5146.18	44.45	PK	93	1.1	H	-1.06	43.39	74.00	-30.61
5146.18	34.89	Ave	93	1.1	H	-1.06	33.83	54.00	-20.17
10380.00	45.98	PK	23	1.8	H	5.26	51.24	74.00	-22.76
10380.00	32.52	Ave	23	1.8	H	5.26	37.78	54.00	-16.22
802.11n(HT40) U-NII-1 High channel 5230MHz									
916.07	36.99	QP	15	1.5	H	-9.35	27.64	46.00	-18.36
916.07	47.88	QP	161	1.6	V	-9.35	38.53	46.00	-7.47
4510.54	53.93	PK	203	1.8	H	-1.94	51.99	74.00	-22.01
4510.54	38.37	Ave	203	1.8	H	-1.94	36.43	54.00	-17.57
5144.17	45.31	PK	38	1.3	H	-1.06	44.25	74.00	-29.75
5144.17	34.33	Ave	38	1.3	H	-1.06	33.27	54.00	-20.73
10460.00	47.06	PK	227	1.4	H	5.28	52.34	74.00	-21.66
10460.00	35.04	Ave	227	1.4	H	5.28	40.32	54.00	-13.68

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									
916.07	36.71	QP	241	1.0	H	-9.35	27.36	46.00	-18.64
916.07	47.51	QP	248	1.8	V	-9.35	38.16	46.00	-7.84
4516.35	58.98	PK	351	1.3	H	-1.89	57.09	74.00	-16.91
4516.35	45.40	Ave	351	1.3	H	-1.89	43.51	54.00	-10.49
5149.78	45.38	PK	188	1.9	H	-1.06	44.32	74.00	-29.68
5149.78	34.83	Ave	188	1.9	H	-1.06	33.77	54.00	-20.23
10540.00	45.33	PK	225	1.4	H	5.26	50.59	74.00	-23.41
10540.00	35.15	Ave	225	1.4	H	5.26	40.41	54.00	-13.59
802.11n(HT40) U-NII-2A High channel 5310MHz									
916.07	37.57	QP	55	1.2	H	-9.35	28.22	46.00	-17.78
916.07	48.14	QP	55	1.6	V	-9.35	38.79	46.00	-7.21
4501.83	59.49	PK	40	1.7	H	-1.94	57.55	74.00	-16.45
4501.83	45.36	Ave	40	1.7	H	-1.94	43.42	54.00	-10.58
5129.00	47.04	PK	67	1.0	H	-1.06	45.98	74.00	-28.02
5129.00	36.01	Ave	67	1.0	H	-1.06	34.95	54.00	-19.05
10620.00	46.39	PK	247	1.4	H	5.28	51.67	74.00	-22.33
10620.00	33.92	Ave	247	1.4	H	5.28	39.20	54.00	-14.80

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)
802.11n(HT40) U-NII-2C Low Channel 5510MHz									
916.07	37.32	QP	187	1.8	H	-9.35	27.97	46.00	-18.03
916.07	47.20	QP	249	1.1	V	-9.35	37.85	46.00	-8.15
4536.76	56.26	PK	185	1.1	H	-1.89	54.37	74.00	-19.63
4536.76	43.35	Ave	185	1.1	H	-1.89	41.46	54.00	-12.54
5113.55	54.83	PK	273	1.7	H	-1.06	53.77	74.00	-20.23
5113.55	34.68	Ave	273	1.7	H	-1.06	33.62	54.00	-20.38
11020.00	45.51	PK	296	1.4	H	5.26	50.77	74.00	-23.23
11020.00	30.98	Ave	296	1.4	H	5.26	36.24	54.00	-17.76
802.11n(HT40) U-NII-2C Middle channel 5550MHz									
916.07	37.74	QP	157	1.1	H	-9.35	28.39	46.00	-17.61
916.07	47.43	QP	237	2.0	V	-9.35	38.08	46.00	-7.92
4512.13	56.90	PK	201	1.8	H	-1.94	54.96	74.00	-19.04
4512.13	43.58	Ave	201	1.8	H	-1.94	41.64	54.00	-12.36
5114.80	55.34	PK	36	1.3	H	-1.06	54.28	74.00	-19.72
5114.80	34.99	Ave	36	1.3	H	-1.06	33.93	54.00	-20.07
11100.00	46.14	PK	340	1.6	H	5.28	51.42	74.00	-22.58
11100.00	34.27	Ave	340	1.6	H	5.28	39.55	54.00	-14.45
802.11n(HT40) U-NII-2C High channel 5670MHz									
916.07	39.65	QP	219	1.2	H	-9.35	30.30	46.00	-15.70
916.07	49.14	QP	200	1.1	V	-9.35	39.79	46.00	-6.21
4534.90	54.64	PK	208	1.7	H	-1.94	52.70	74.00	-21.30
4534.90	43.91	Ave	208	1.7	H	-1.94	41.97	54.00	-12.03
5141.77	55.76	PK	32	1.9	H	-1.06	54.70	74.00	-19.30
5141.77	32.19	Ave	32	1.9	H	-1.06	31.13	54.00	-22.87
11340.00	45.06	PK	311	1.8	H	5.28	50.34	74.00	-23.66
11340.00	32.81	Ave	311	1.8	H	5.28	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)
802.11n(HT40) U-NII-3 Low Channel 5755MHz									
916.07	40.92	QP	158	1.2	H	-9.35	31.57	46.00	-14.43
916.07	46.04	QP	192	1.5	V	-9.35	36.69	46.00	-9.31
4507.44	53.22	PK	197	1.1	H	-1.96	51.26	74.00	-22.74
4507.44	37.03	Ave	197	1.1	H	-1.96	35.07	54.00	-18.93
5358.06	45.03	PK	56	1.0	H	5.88	50.91	74.00	-23.09
5358.06	32.56	Ave	56	1.0	H	5.88	38.44	54.00	-15.56
11510.00	45.97	PK	259	1.5	H	-1.01	44.96	74.00	-29.04
11510.00	38.72	Ave	259	1.5	H	-1.01	37.71	54.00	-16.29
802.11n(HT40) U-NII-3 High Channel 5795MHz									
916.07	40.06	QP	66	1.5	H	-9.35	30.71	46.00	-15.29
916.07	45.17	QP	359	1.3	V	-9.35	35.82	46.00	-10.18
4520.77	52.27	PK	52	1.8	H	-1.92	50.35	74.00	-23.65
4520.77	37.61	Ave	52	1.8	H	-1.92	35.69	54.00	-18.31
5357.80	47.93	PK	223	1.7	H	5.63	53.56	74.00	-20.44
5357.80	34.08	Ave	223	1.7	H	5.63	39.71	54.00	-14.29
11590.00	45.25	PK	157	1.7	H	-1.04	44.21	74.00	-29.79
11590.00	37.11	Ave	157	1.7	H	-1.04	36.07	54.00	-17.93

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									
916.07	39.57	QP	331	1.5	H	-9.35	30.22	46.00	-15.78
916.07	45.10	QP	95	1.4	V	-9.35	35.75	46.00	-10.25
4522.18	50.13	PK	290	1.8	H	-1.91	48.22	74.00	-25.78
4522.18	36.18	Ave	290	1.8	H	-1.91	34.27	54.00	-19.73
5124.29	45.26	PK	356	1.1	H	-1.06	44.20	74.00	-29.80
5124.29	36.41	Ave	356	1.1	H	-1.06	35.35	54.00	-18.65
10380.00	45.99	PK	73	1.5	H	5.26	51.25	74.00	-22.75
10380.00	31.15	Ave	73	1.5	H	5.26	36.41	54.00	-17.59
802.11ac(VHT40) U-NII-1 High channel 5230MHz									
916.07	40.55	QP	242	1.2	H	-9.35	31.20	46.00	-14.80
916.07	45.62	QP	154	1.6	V	-9.35	36.27	46.00	-9.73
4527.67	50.98	PK	244	1.8	H	-1.93	49.05	74.00	-24.95
4527.67	35.80	Ave	244	1.8	H	-1.93	33.87	54.00	-20.13
5125.36	44.61	PK	92	1.8	H	-1.06	43.55	74.00	-30.45
5125.36	36.80	Ave	92	1.8	H	-1.06	35.74	54.00	-18.26
10460.00	48.33	PK	152	2.0	H	5.28	53.61	74.00	-20.39
10460.00	33.84	Ave	152	2.0	H	5.28	39.12	54.00	-14.88

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									
916.07	34.94	QP	86	1.4	H	-9.35	25.59	46.00	-20.41
916.07	39.59	QP	255	1.3	V	-9.35	30.24	46.00	-15.76
4539.11	46.96	PK	162	1.3	H	-1.89	45.07	74.00	-28.93
4539.11	34.62	Ave	162	1.3	H	-1.89	32.73	54.00	-21.27
5133.97	47.20	PK	205	1.9	H	-1.06	46.14	74.00	-27.86
5133.97	34.10	Ave	205	1.9	H	-1.06	33.04	54.00	-20.96
10540.00	43.16	PK	172	1.4	H	5.26	48.42	74.00	-25.58
10540.00	34.45	Ave	172	1.4	H	5.26	39.71	54.00	-14.29
802.11ac(VHT40) U-NII-2A High channel 5310MHz									
916.07	34.83	QP	258	1.3	H	-9.35	25.48	46.00	-20.52
916.07	38.70	QP	358	1.1	V	-9.35	29.35	46.00	-16.65
4535.64	47.10	PK	163	1.7	H	-1.94	45.16	74.00	-28.84
4535.64	34.22	Ave	163	1.7	H	-1.94	32.28	54.00	-21.72
5110.36	46.56	PK	41	1.2	H	-1.06	45.50	74.00	-28.50
5110.36	35.08	Ave	41	1.2	H	-1.06	34.02	54.00	-19.98
10620.00	43.29	PK	176	1.9	H	5.28	48.57	74.00	-25.43
10620.00	38.20	Ave	176	1.9	H	5.28	43.48	54.00	-10.52

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									
916.07	44.98	QP	333	1.7	H	-9.35	35.63	46.00	-10.37
916.07	36.38	QP	348	1.3	V	-9.35	27.03	46.00	-18.97
4523.87	41.52	PK	63	1.6	H	-1.89	39.63	74.00	-34.37
4523.87	38.66	Ave	63	1.6	H	-1.89	36.77	54.00	-17.23
5120.93	48.42	PK	323	1.5	H	-1.06	47.36	74.00	-26.64
5120.93	38.48	Ave	323	1.5	H	-1.06	37.42	54.00	-16.58
11020.00	41.34	PK	150	1.6	H	5.26	46.60	74.00	-27.40
11020.00	30.48	Ave	150	1.6	H	5.26	35.74	54.00	-18.26
802.11ac(VHT40) U-NII-2C Middle channel 5550MHz									
916.07	44.19	QP	68	1.2	H	-9.35	34.84	46.00	-11.16
916.07	36.93	QP	50	1.5	V	-9.35	27.58	46.00	-18.42
4532.30	42.31	PK	147	1.8	H	-1.94	40.37	74.00	-33.63
4532.30	38.30	Ave	147	1.8	H	-1.94	36.36	54.00	-17.64
5143.80	49.01	PK	224	1.6	H	-1.06	47.95	74.00	-26.05
5143.80	38.46	Ave	224	1.6	H	-1.06	37.40	54.00	-16.60
11100.00	41.99	PK	92	1.9	H	5.28	47.27	74.00	-26.73
11100.00	30.88	Ave	92	1.9	H	5.28	36.16	54.00	-17.84
802.11ac(VHT40) U-NII-2C High channel 5670MHz									
916.07	43.46	QP	178	1.6	H	-9.35	34.11	46.00	-11.89
916.07	36.36	QP	3	1.6	V	-9.35	27.01	46.00	-18.99
4530.97	41.41	PK	271	1.4	H	-1.94	39.47	74.00	-34.53
4530.97	37.32	Ave	271	1.4	H	-1.94	35.38	54.00	-18.62
5112.05	49.97	PK	66	1.6	H	-1.06	48.91	74.00	-25.09
5112.05	38.03	Ave	66	1.6	H	-1.06	36.97	54.00	-17.03
11340.00	44.06	PK	300	1.6	H	5.28	49.34	74.00	-24.66
11340.00	36.99	Ave	300	1.6	H	5.28	42.27	54.00	-11.73

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									
916.07	40.18	QP	37	1.5	H	-9.35	30.83	46.00	-15.17
916.07	47.62	QP	276	1.2	V	-9.35	38.27	46.00	-7.73
4533.18	45.65	PK	59	2.0	H	-1.92	43.73	74.00	-30.27
4533.18	35.63	Ave	59	2.0	H	-1.92	33.71	54.00	-20.29
5388.47	45.53	PK	11	1.1	H	5.88	51.41	74.00	-22.59
5388.47	31.74	Ave	11	1.1	H	5.88	37.62	54.00	-16.38
11510.00	45.01	PK	96	1.0	H	-1.07	43.94	74.00	-30.06
11510.00	38.17	Ave	96	1.0	H	-1.07	37.10	54.00	-16.90
802.11ac(VHT40) U-NII-3 High Channel 5795MHz									
916.07	39.86	QP	316	1.0	H	-9.35	30.51	46.00	-15.49
916.07	48.02	QP	313	1.1	V	-9.35	38.67	46.00	-7.33
4504.33	45.39	PK	218	1.3	H	-1.86	43.53	74.00	-30.47
4504.33	35.63	Ave	218	1.3	H	-1.86	33.77	54.00	-20.23
5379.71	47.23	PK	332	1.7	H	5.63	52.86	74.00	-21.14
5379.71	35.10	Ave	332	1.7	H	5.63	40.73	54.00	-13.27
11590.00	45.77	PK	185	1.2	H	-1.03	44.74	74.00	-29.26
11590.00	38.57	Ave	185	1.2	H	-1.03	37.54	54.00	-16.46

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									
916.07	37.84	QP	130	1.7	H	-9.35	28.49	46.00	-17.51
916.07	42.33	QP	242	1.2	V	-9.35	32.98	46.00	-13.02
4537.01	57.54	PK	8	1.1	H	-1.88	55.66	74.00	-18.34
4537.01	47.34	Ave	8	1.1	H	-1.88	45.46	54.00	-8.54
5124.48	46.83	PK	23	1.6	H	-1.06	45.77	74.00	-28.23
5124.48	36.22	Ave	23	1.6	H	-1.06	35.16	54.00	-18.84
10420.00	47.40	PK	297	1.9	H	4.65	52.05	74.00	-21.95
10420.00	33.38	Ave	297	1.9	H	4.65	38.03	54.00	-15.97
802.11ac(VHT80) U-NII-2A Low Channel 5290MHz									
916.07	37.56	QP	186	1.6	H	-9.35	28.21	46.00	-17.79
916.07	42.62	QP	112	1.4	V	-9.35	33.27	46.00	-12.73
4515.87	48.80	PK	254	1.9	H	-1.88	46.92	74.00	-27.08
4515.87	34.55	Ave	254	1.9	H	-1.88	32.67	54.00	-21.33
5131.97	47.08	PK	47	1.9	H	-1.06	46.02	74.00	-27.98
5131.97	39.10	Ave	47	1.9	H	-1.06	38.04	54.00	-15.96
10580.00	45.31	PK	230	1.7	H	4.65	49.96	74.00	-24.04
10580.00	33.67	Ave	230	1.7	H	4.65	38.32	54.00	-15.68

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									
916.07	41.24	QP	41	1.9	H	-9.35	31.89	46.00	-14.11
916.07	45.76	QP	36	1.4	V	-9.35	36.41	46.00	-9.59
4519.55	45.64	PK	60	1.6	H	-1.88	43.76	74.00	-30.24
4519.55	36.09	Ave	60	1.6	H	-1.88	34.21	54.00	-19.79
5134.84	49.85	PK	244	1.3	H	-1.06	48.79	74.00	-25.21
5134.84	33.67	Ave	244	1.3	H	-1.06	32.61	54.00	-21.39
11060.00	45.96	PK	216	1.8	H	4.65	50.61	74.00	-23.39
11060.00	32.80	Ave	216	1.8	H	4.65	37.45	54.00	-16.55
802.11ac(VHT80) U-NII-2C High Channel 5610MHz									
916.07	38.00	QP	10	1.7	H	-9.35	28.65	46.00	-17.35
916.07	44.08	QP	34	1.0	V	-9.35	34.73	46.00	-11.27
4502.60	53.88	PK	119	1.6	H	-1.88	52.00	74.00	-22.00
4502.60	41.47	Ave	119	1.6	H	-1.88	39.59	54.00	-14.41
5148.01	47.86	PK	349	1.0	H	-1.06	46.80	74.00	-27.20
5148.01	37.08	Ave	349	1.0	H	-1.06	36.02	54.00	-17.98
11220.00	44.06	PK	288	2.0	H	4.65	48.71	74.00	-25.29
11220.00	38.05	Ave	288	2.0	H	4.65	42.70	54.00	-11.30
802.11ac(VHT80) U-NII-3 Low channel 5775MHz									
916.07	38.57	QP	222	1.1	H	-9.35	29.22	46.00	-16.78
916.07	47.20	QP	122	1.3	V	-9.35	37.85	46.00	-8.15
4539.74	51.77	PK	243	1.3	H	-1.85	49.92	74.00	-24.08
4539.74	37.35	Ave	243	1.3	H	-1.85	35.50	54.00	-18.50
5357.80	48.13	PK	60	1.8	H	4.83	52.96	74.00	-21.04
5357.80	34.56	Ave	60	1.8	H	4.83	39.39	54.00	-14.61
11550.00	46.54	PK	90	1.7	H	-1.14	45.40	74.00	-28.60
11550.00	38.02	Ave	90	1.7	H	-1.14	36.88	54.00	-17.12

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 FCC 47CFR Part 15 Section 15.205
Test Method:	ANSI C63.10-2020
Test Limit:	For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.; or All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p. at 5850 MHz instead of 5725 MHz. Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following: 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.
Test Result:	PASS

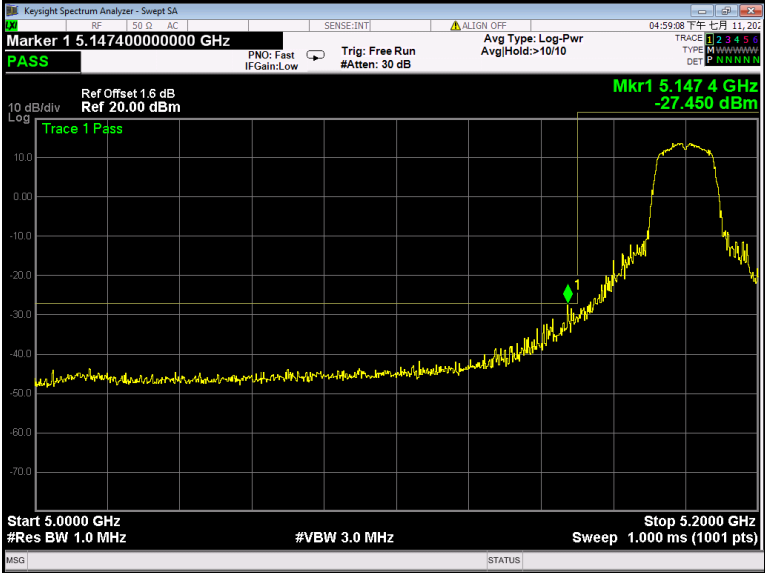
10.1 Test Produce

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. To convert the conducted power to EIRP as required by FCC 15.407, calculate and apply a Reference Level Offset or Correction factor table in the spectrum analyzer:
Path Loss: Measure the loss of the cable and any external attenuators set into Reference Level Offset.
Antenna Gain (G): Determine the maximum directional gain of the antenna in dBi.
MIMO/Beamforming: If the EUT supports multiple outputs, calculate the Directional Gain according to KDB 662911, set Directional Antenna Gain (dBi) into Correction factor table.
Follow the procedures specified in KDB Publication 662911 adjusting emission levels measured on individual outputs by $10\log(N_{ANT})$, where N_{ANT} is the number of outputs, set $10\log(N_{ANT})$, into Correction factor table.
4. Set RBW to 1000 kHz and VBW of spectrum analyzer to 3000 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
5. 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.
6. Repeat above procedures until all measured frequencies were complete.

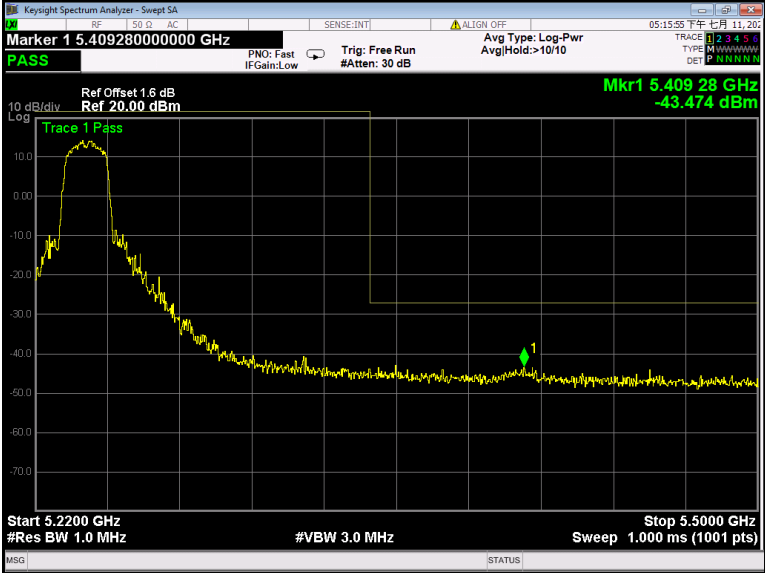
10.2 Test Result

Test result plots shown as follows:

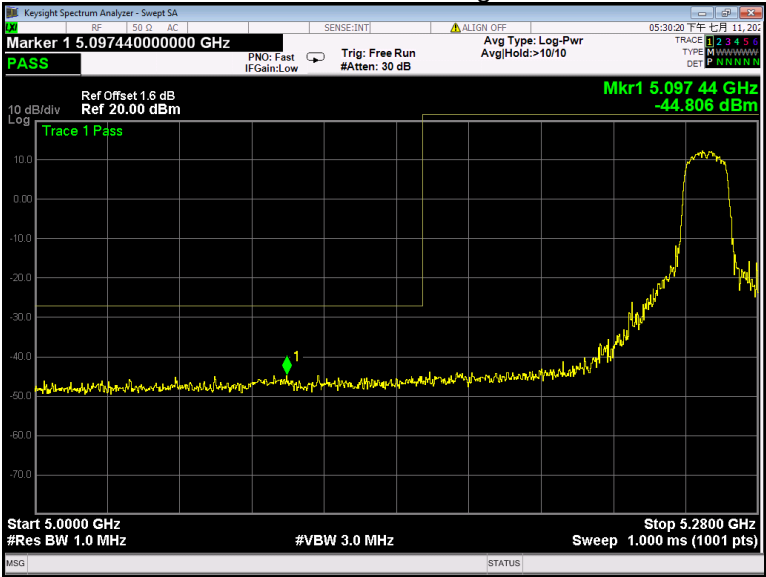
802.11a U-NII-1 Band edge-left side



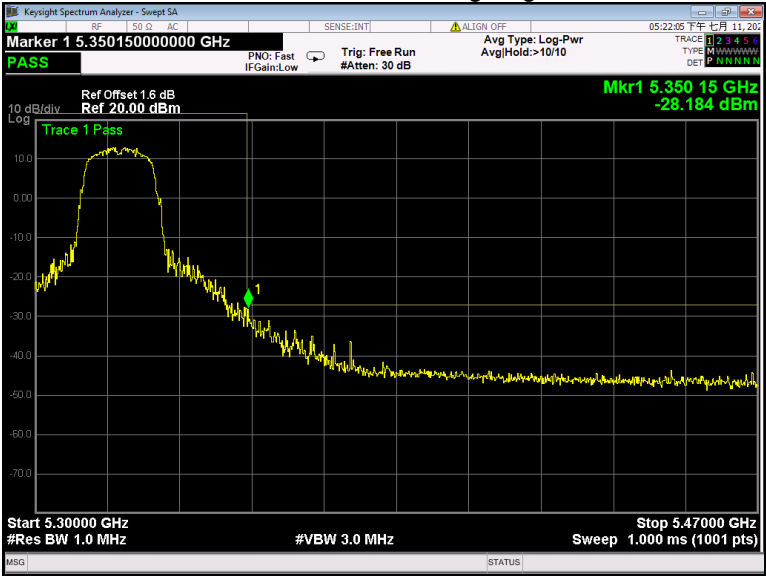
802.11a U-NII-1 Band edge-right side



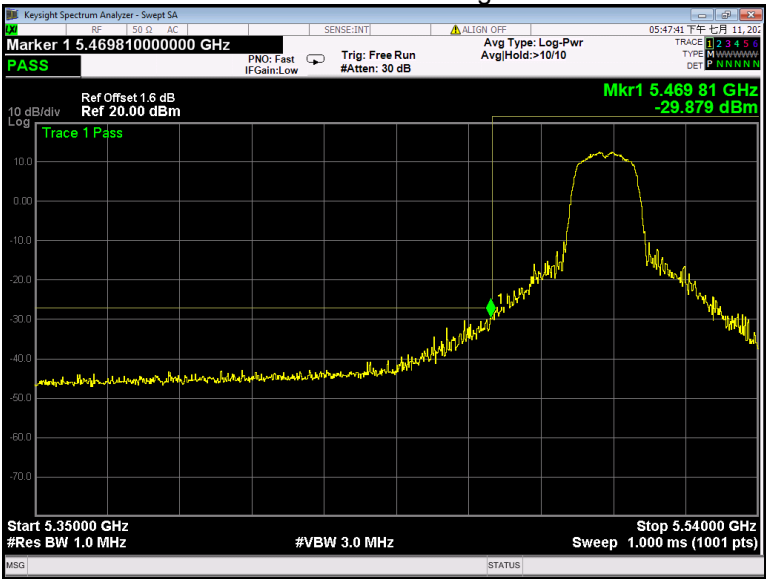
802.11a U-NII-2A Band edge-left side



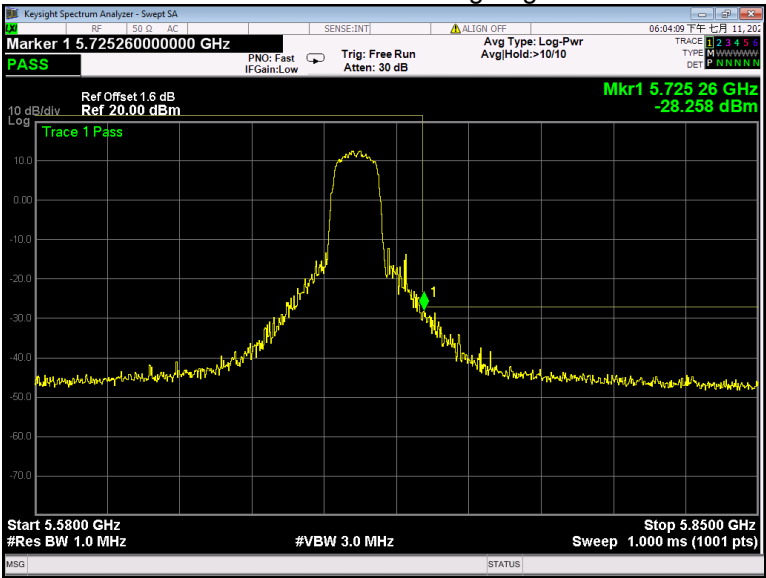
802.11a U-NII-2A Band edge-right side



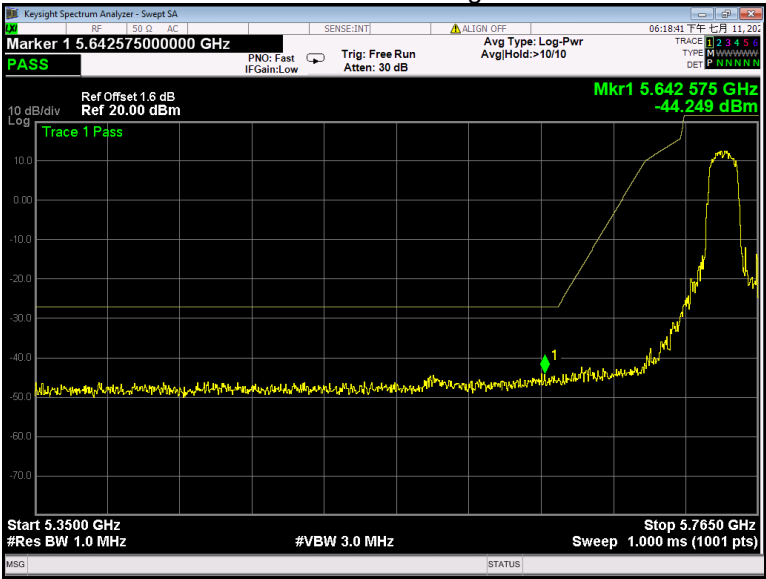
802.11a U-NII-2C Band edge-left side



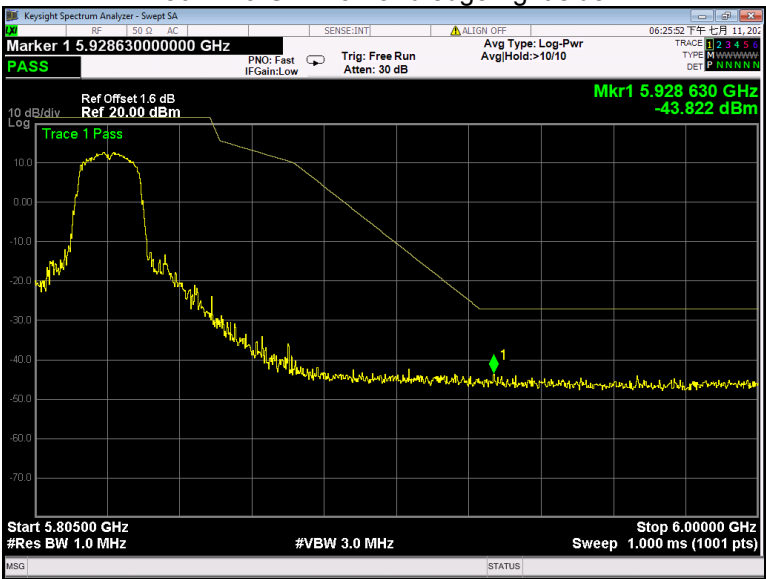
802.11a U-NII-2C Band edge-right side



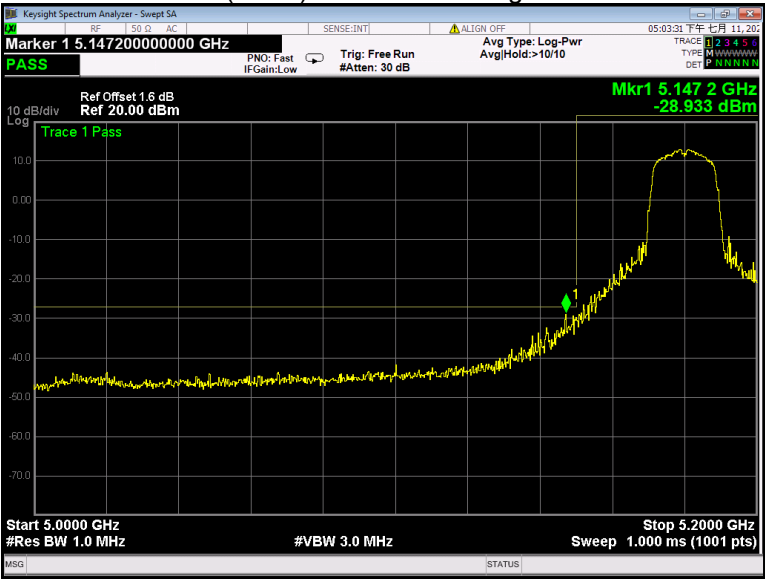
802.11a U-NII-3 Band edge-left side



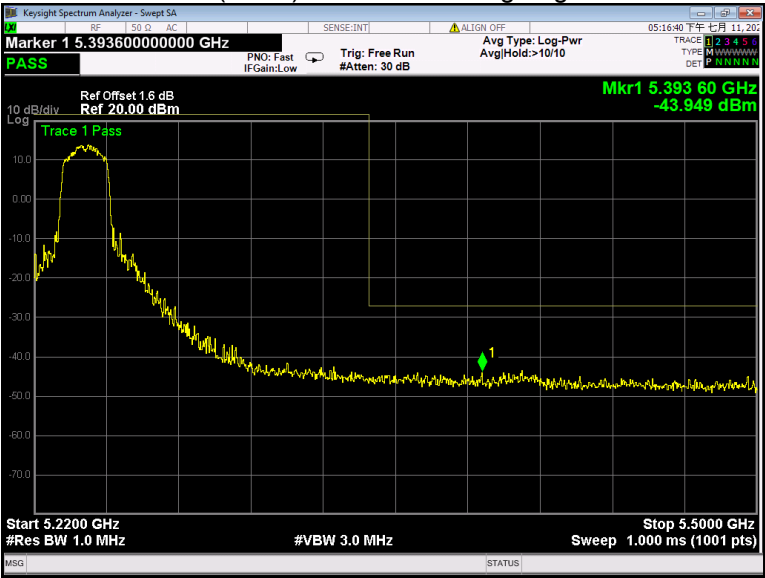
802.11a U-NII-3 Band edge-right side



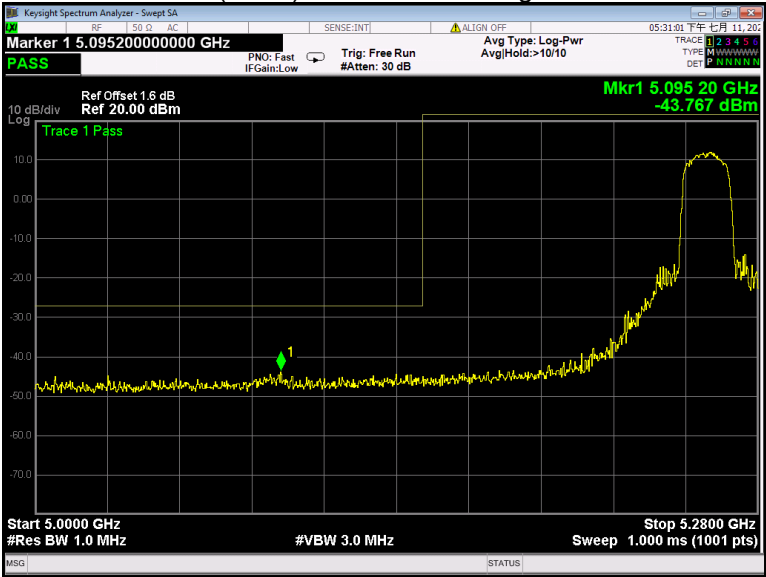
802.11n(HT20) U-NII-1 Band edge-left side



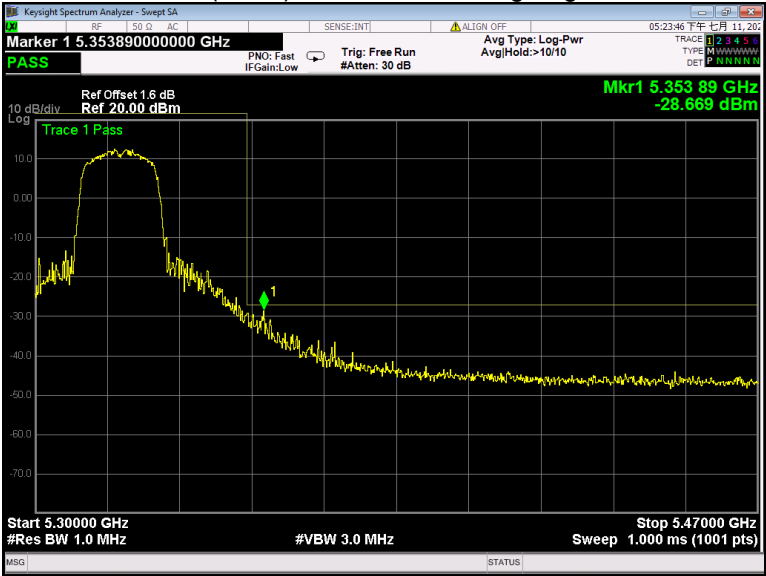
802.11n(HT20) U-NII-1 Band edge-right side



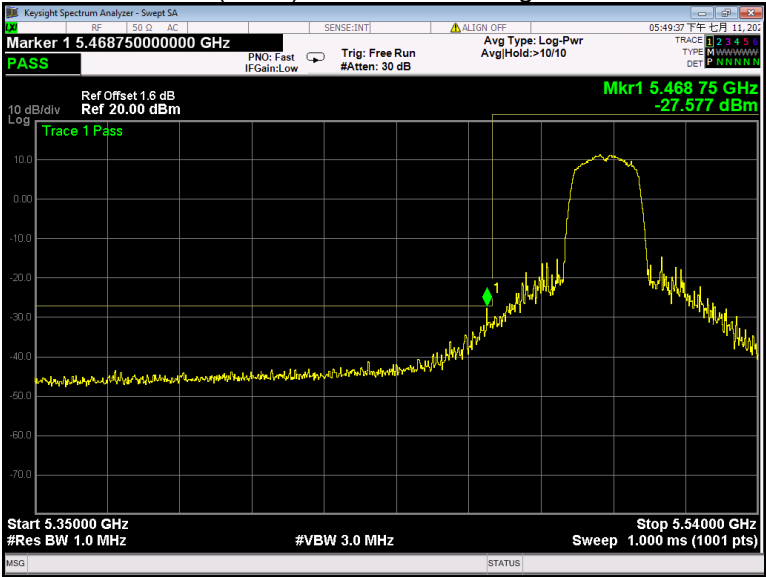
802.11n(HT20) U-NII-2A Band edge-left side



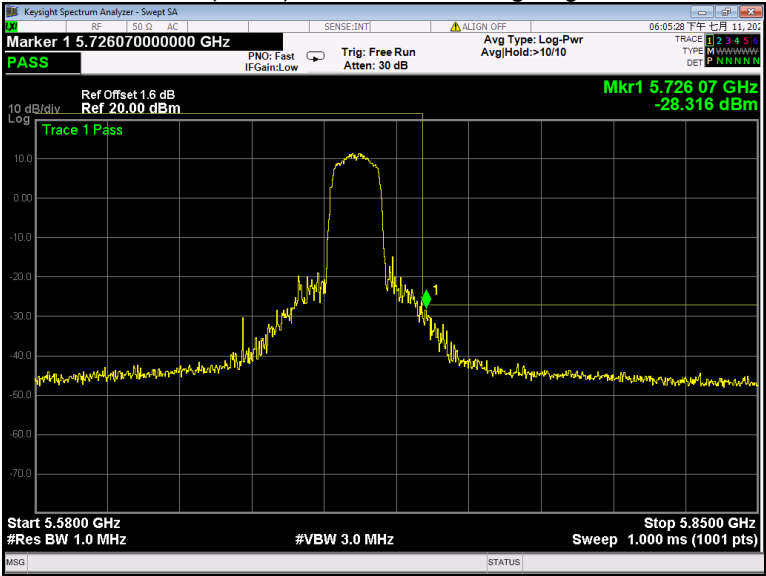
802.11n(HT20) U-NII-2A Band edge-right side



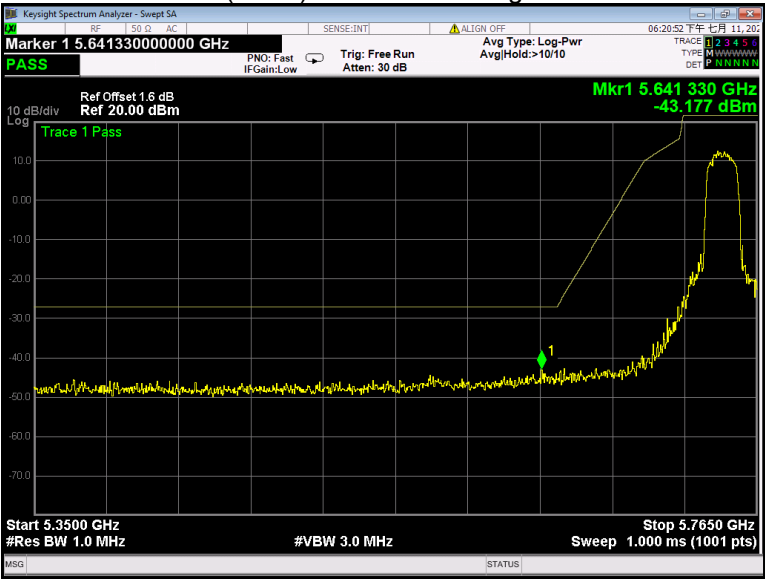
802.11n(HT20) U-NII-2C Band edge-left side



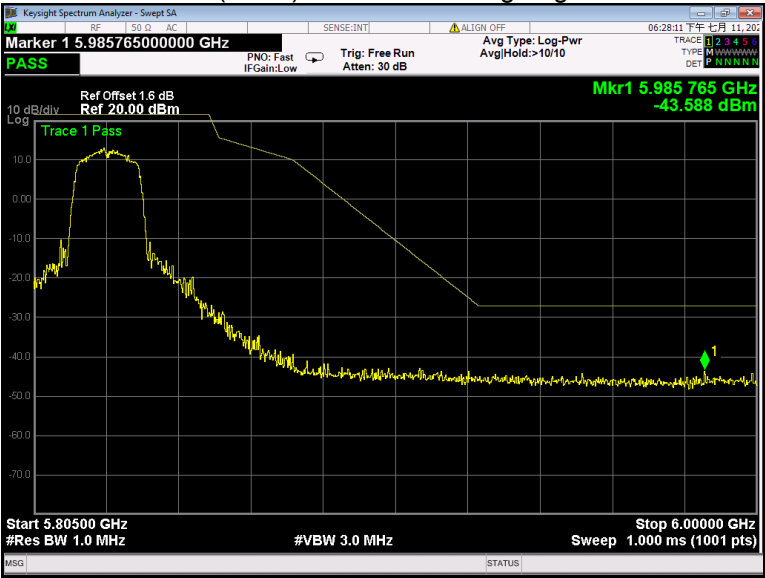
802.11n(HT20) U-NII-2C Band edge-right side



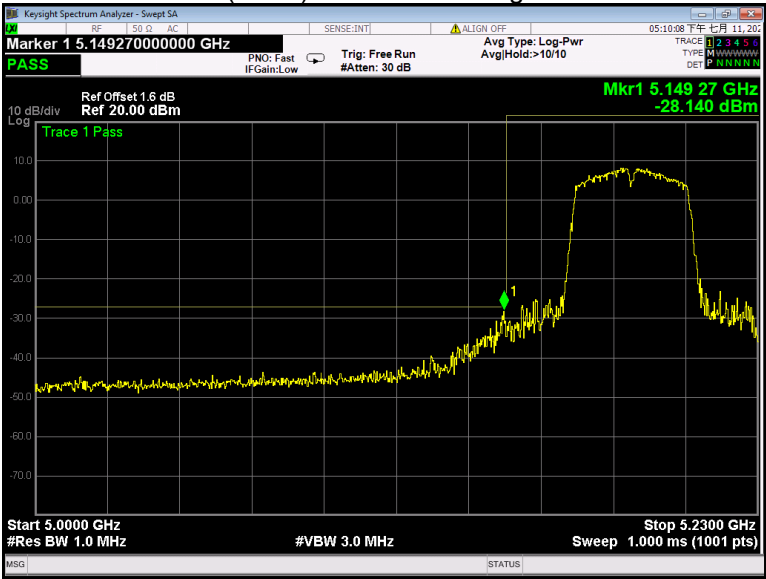
802.11n(HT20) U-NII-3 Band edge-left side



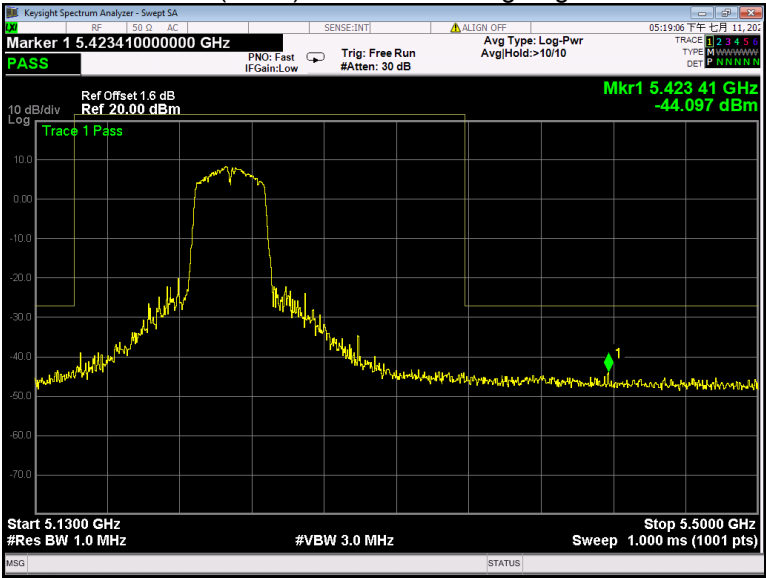
802.11n(HT20) U-NII-3 Band edge-right side



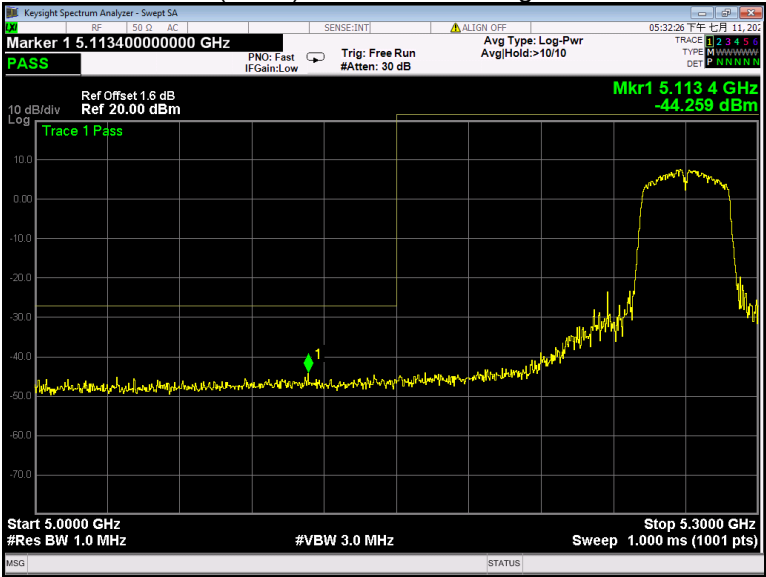
802.11n(HT40) U-NII-1 Band edge-left side



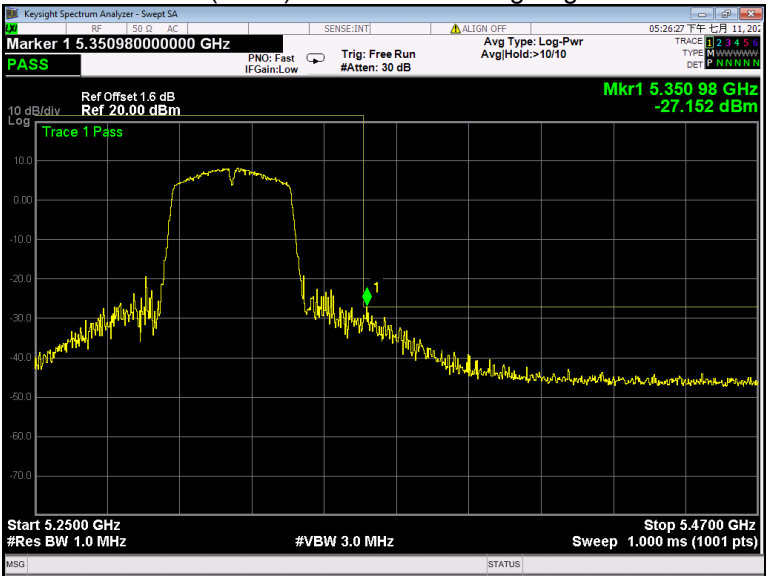
802.11n(HT40) U-NII-1 Band edge-right side



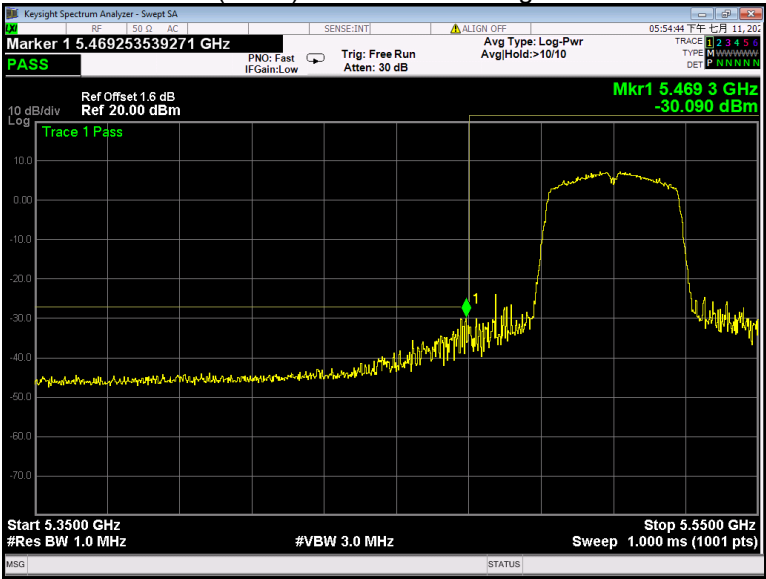
802.11n(HT40) U-NII-2A Band edge-left side



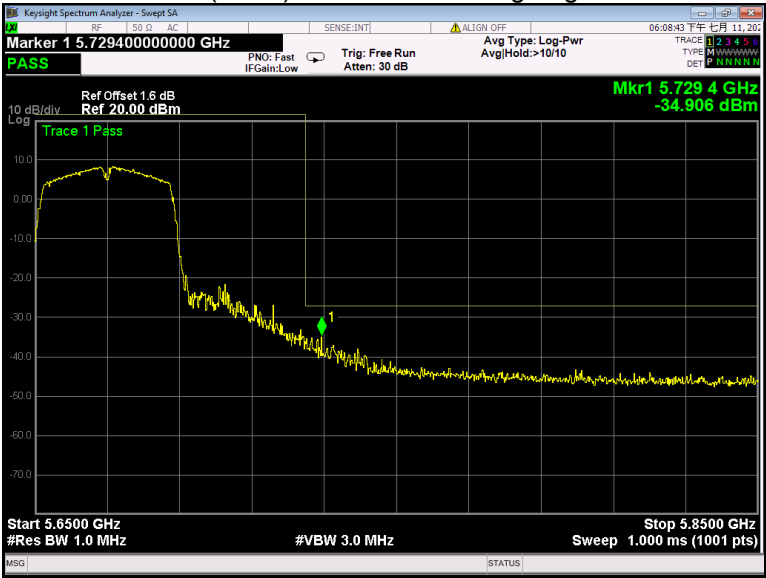
802.11n(HT40) U-NII-2A Band edge-right side



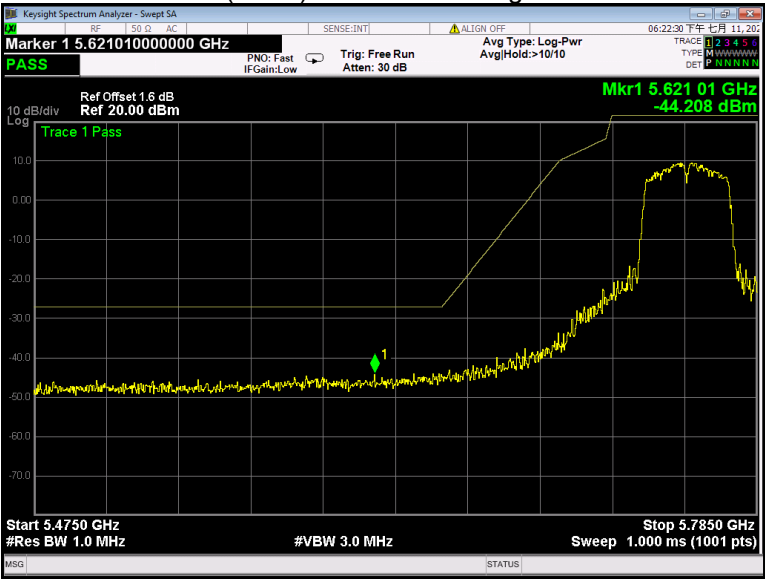
802.11n(HT40) U-NII-2C Band edge-left side



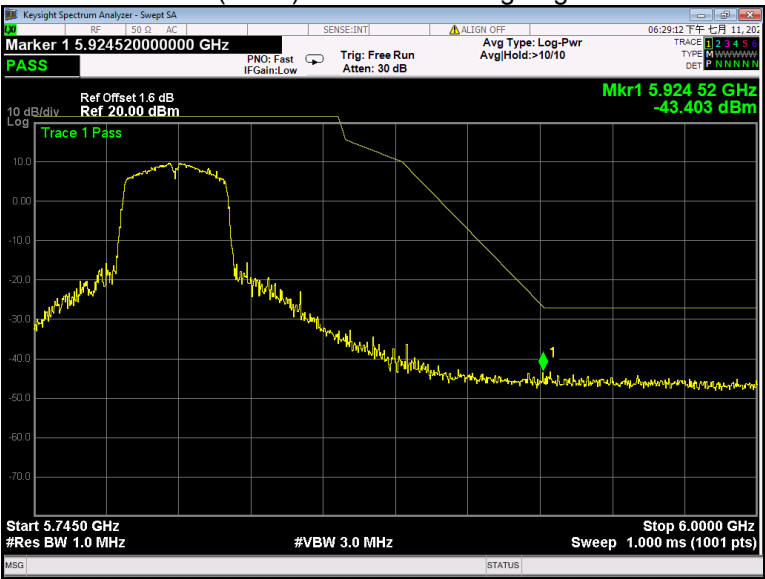
802.11n(HT40) U-NII-2C Band edge-right side



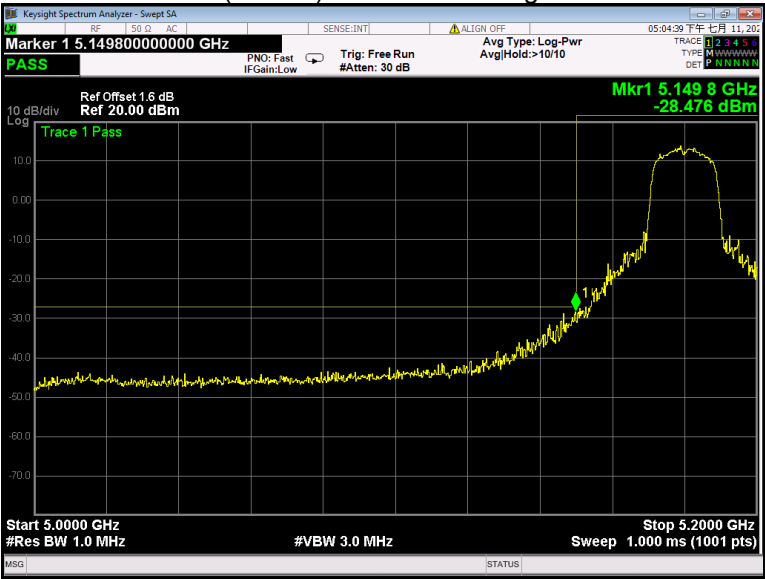
802.11n(HT40) U-NII-3 Band edge-left side



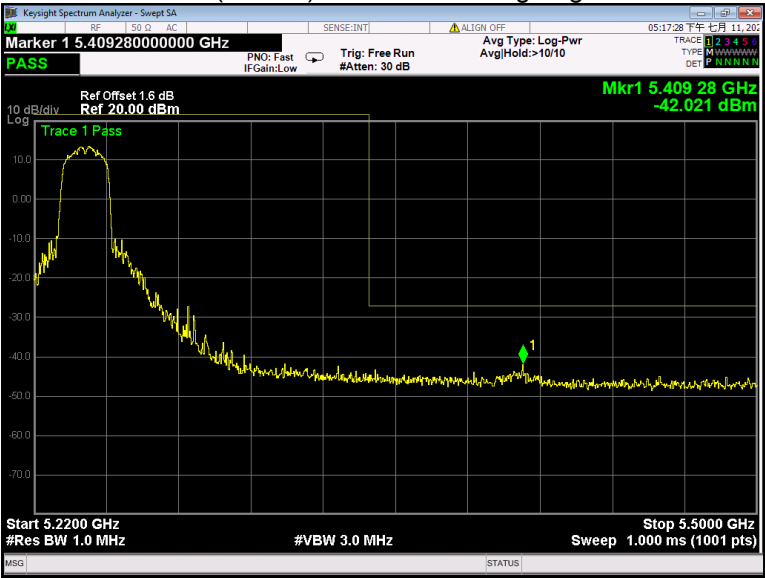
802.11n(HT40) U-NII-3 Band edge-right side



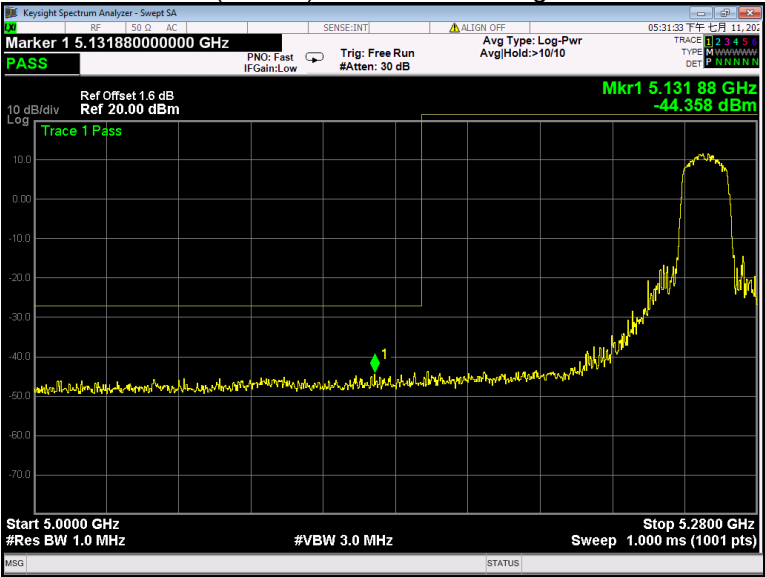
802.11ac(VHT20) U-NII-1 Band edge-left side



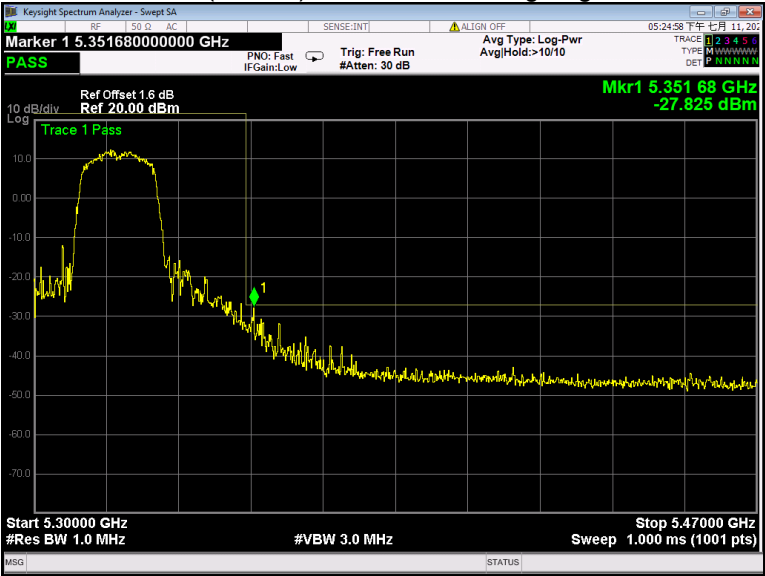
802.11ac(VHT20) U-NII-1 Band edge-right side



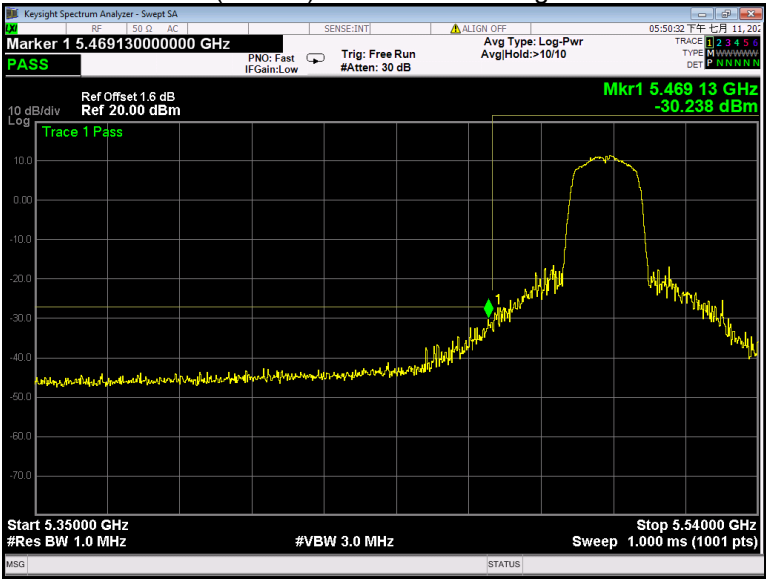
802.11ac(VHT20) U-NII-2A Band edge-left side



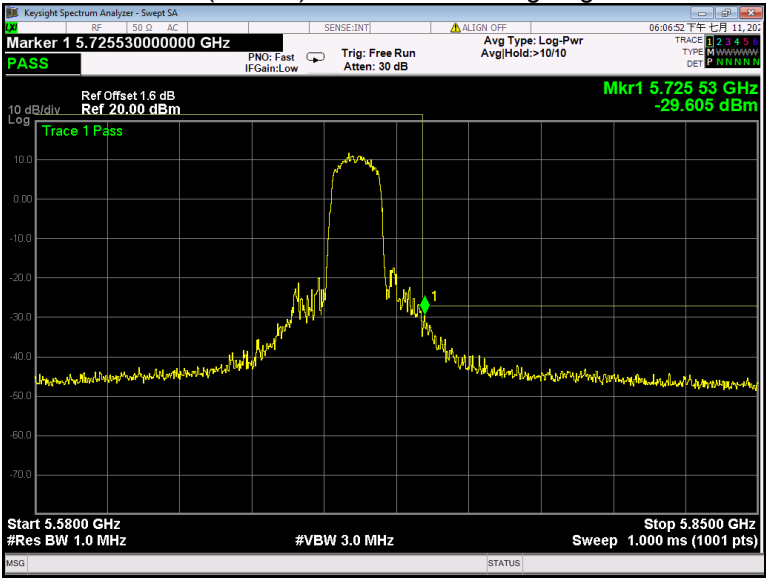
802.11ac(VHT20) U-NII-2A Band edge-right side



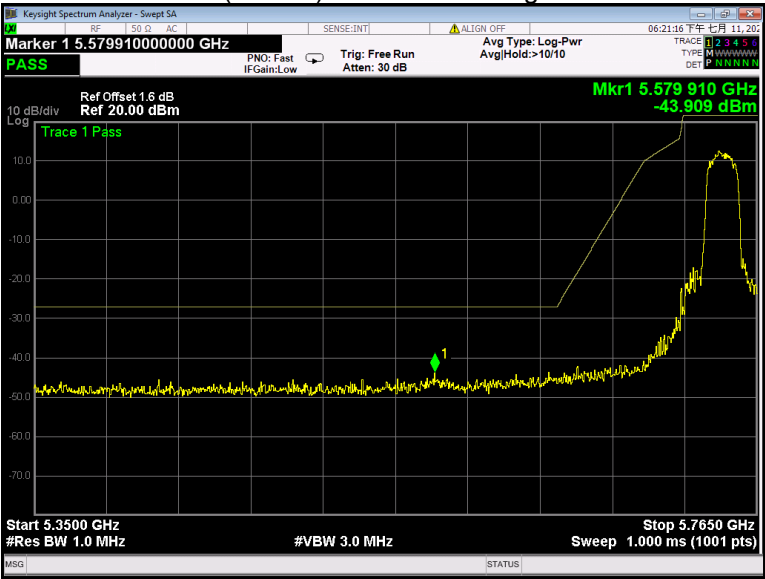
802.11ac(VHT20) U-NII-2C Band edge-left side



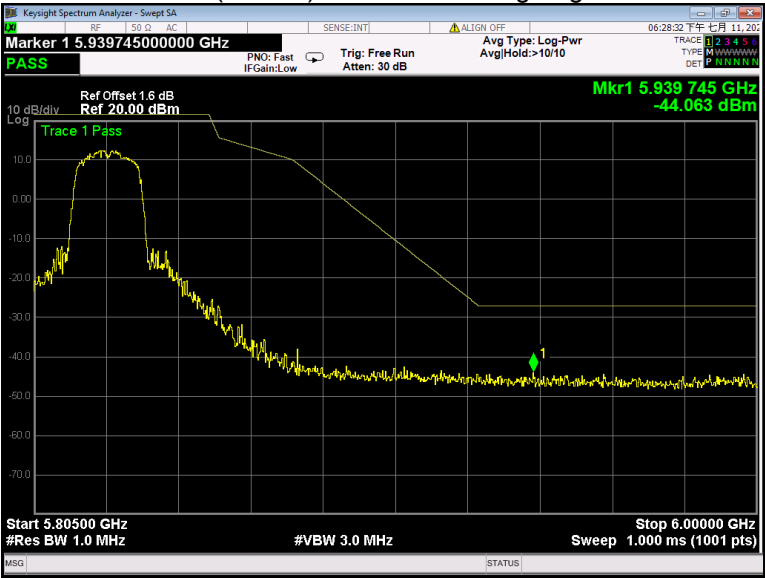
802.11ac(VHT20) U-NII-2C Band edge-right side



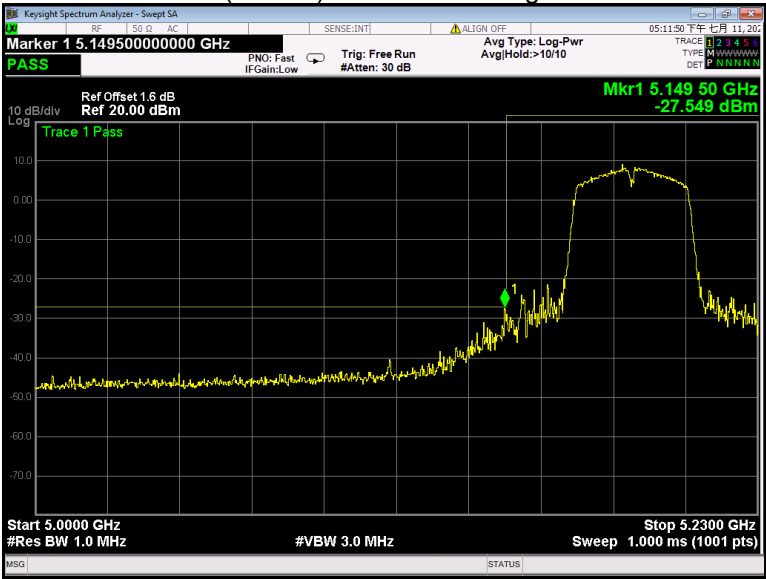
802.11ac(VHT20) U-NII-3 Band edge-left side



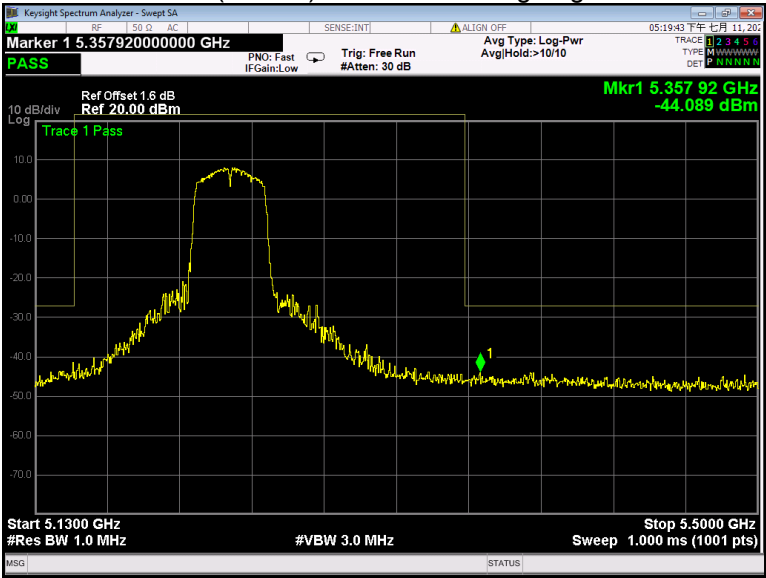
802.11ac(VHT20) U-NII-3 Band edge-right side



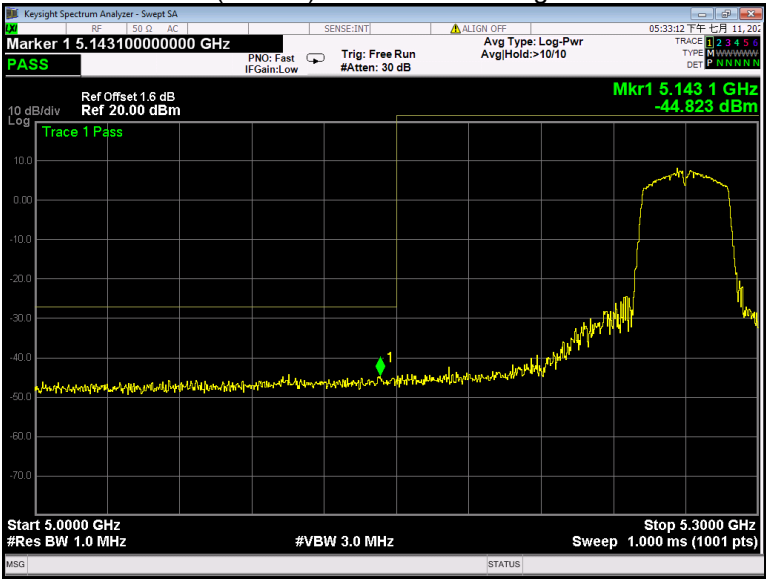
802.11ac(VHT40) U-NII-1 Band edge-left side



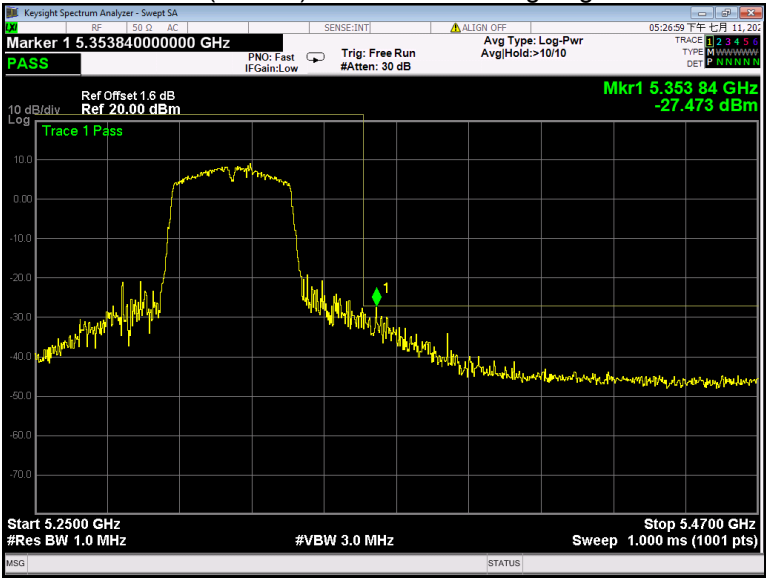
802.11ac(VHT40) U-NII-1 Band edge-right side



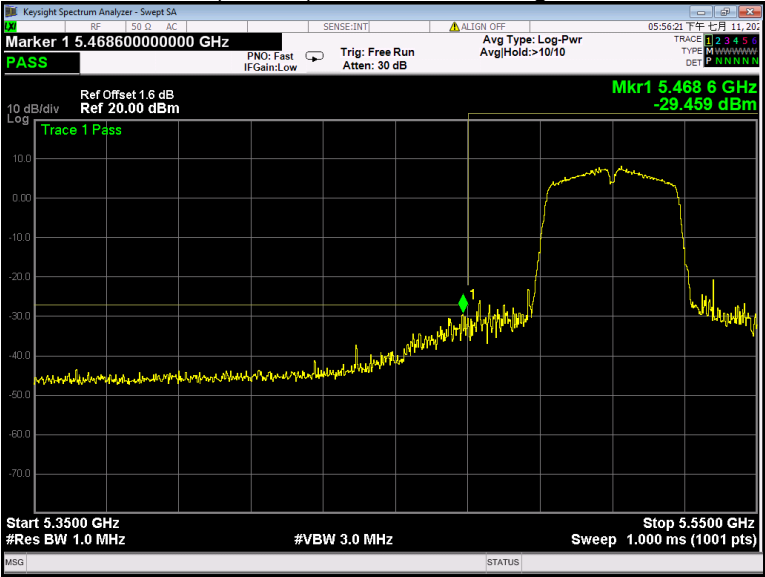
802.11ac(VHT40) U-NII-2A Band edge-left side



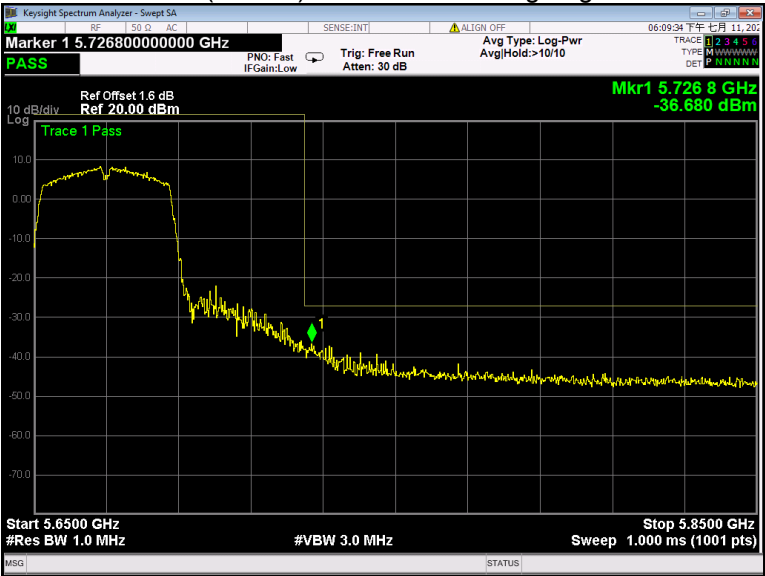
802.11ac(VHT40) U-NII-2A Band edge-right side



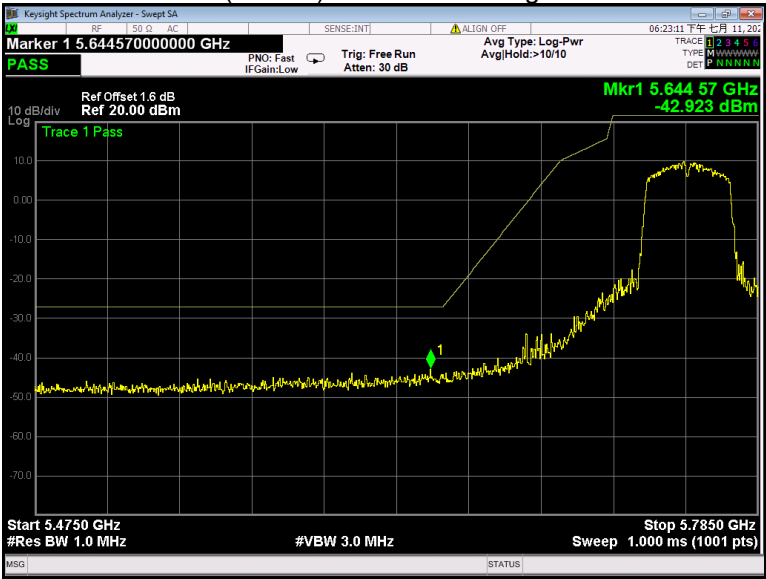
802.11ac(VHT40) U-NII-2C Band edge-left side



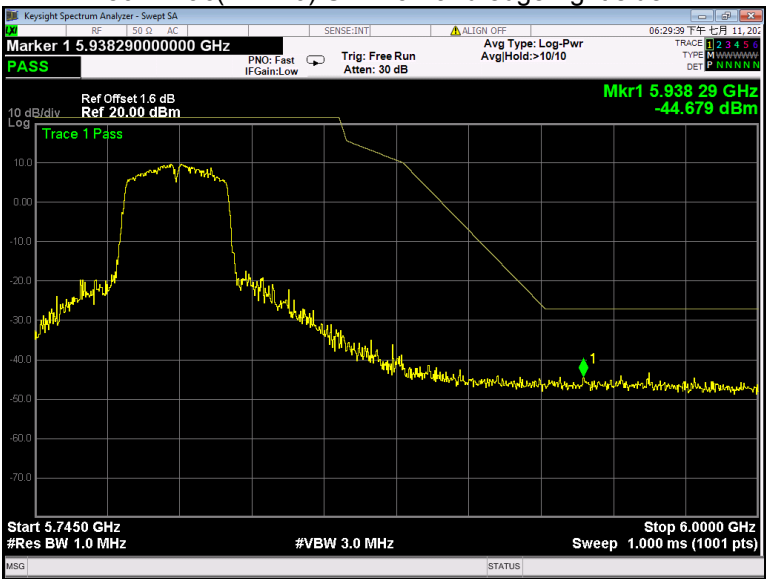
802.11ac(VHT40) U-NII-2C Band edge-right side



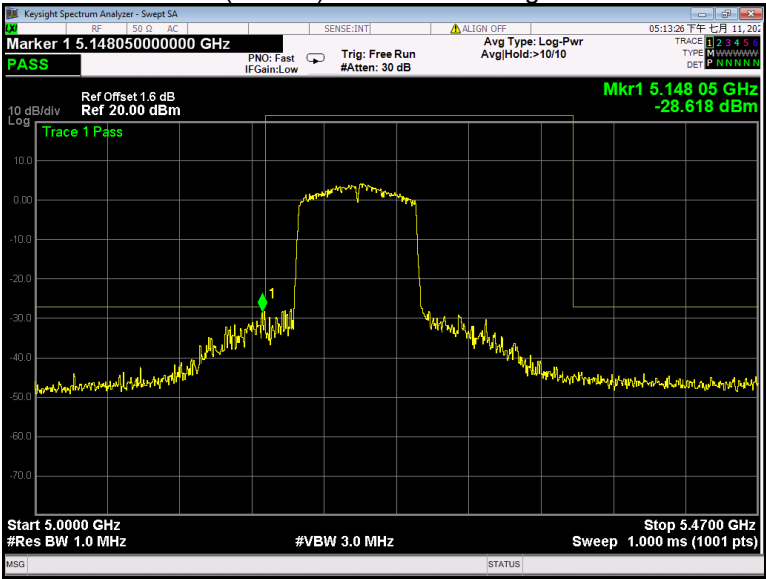
802.11ac(VHT40) U-NII-3 Band edge-left side



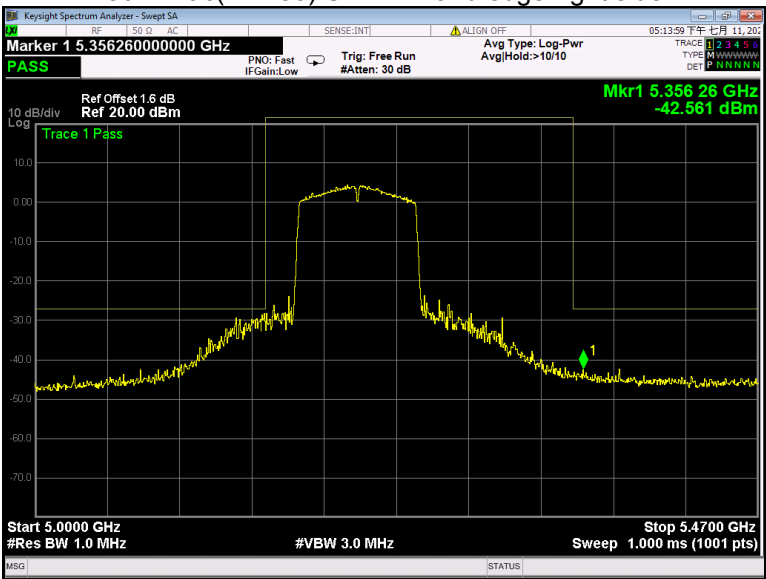
802.11ac(VHT40) U-NII-3 Band edge-right side



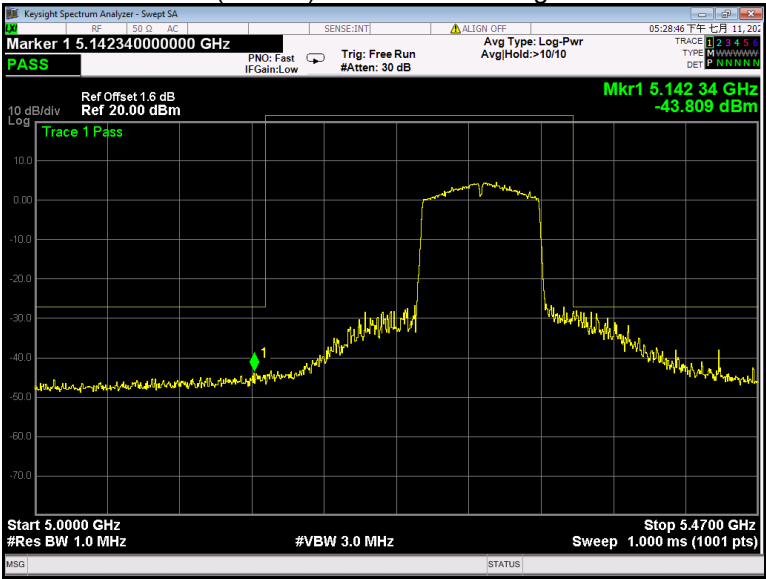
802.11ac(VHT80) U-NII-1 Band edge-left side



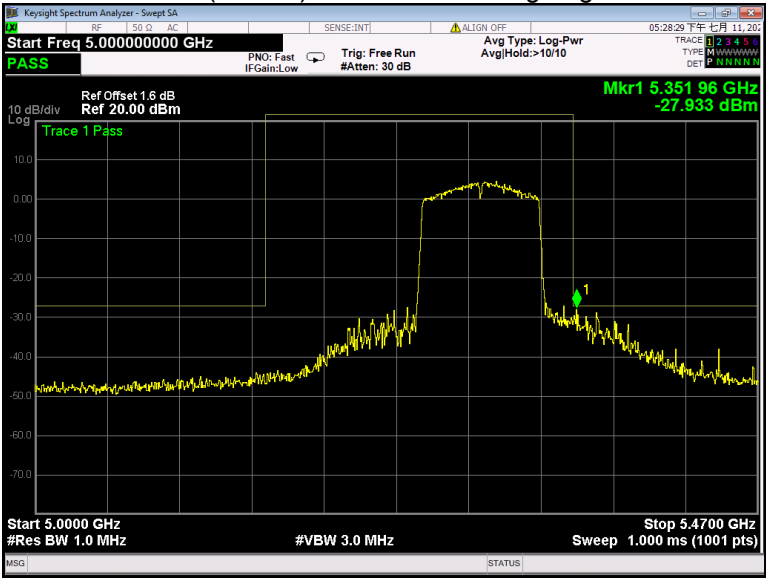
802.11ac(VHT80) U-NII-1 Band edge-right side



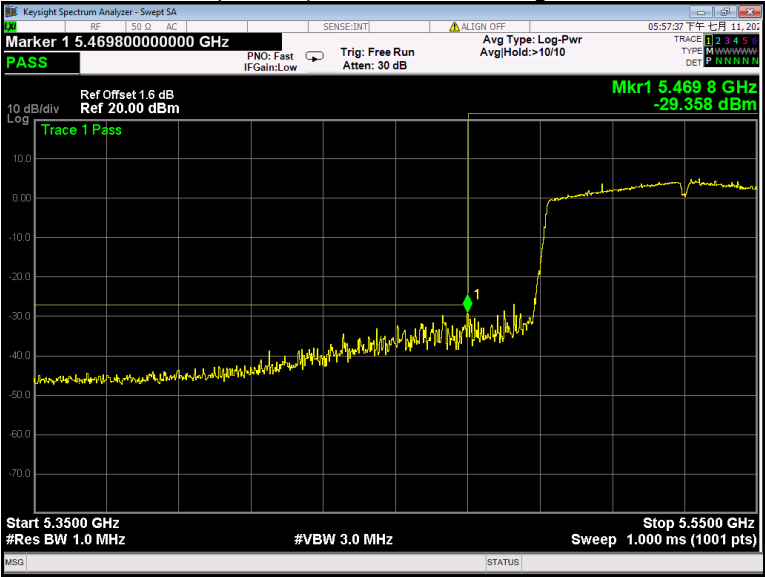
802.11ac(VHT80) U-NII-2A Band edge-left side



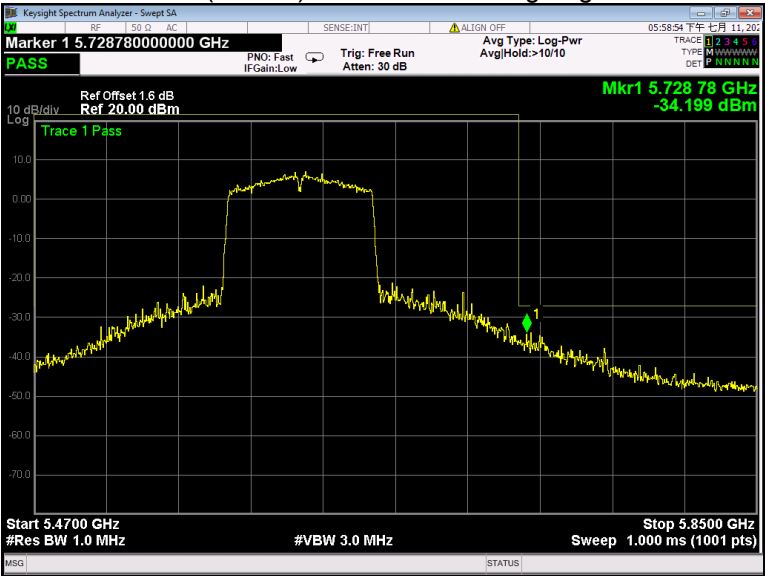
802.11ac(VHT80) U-NII-2A Band edge-right side



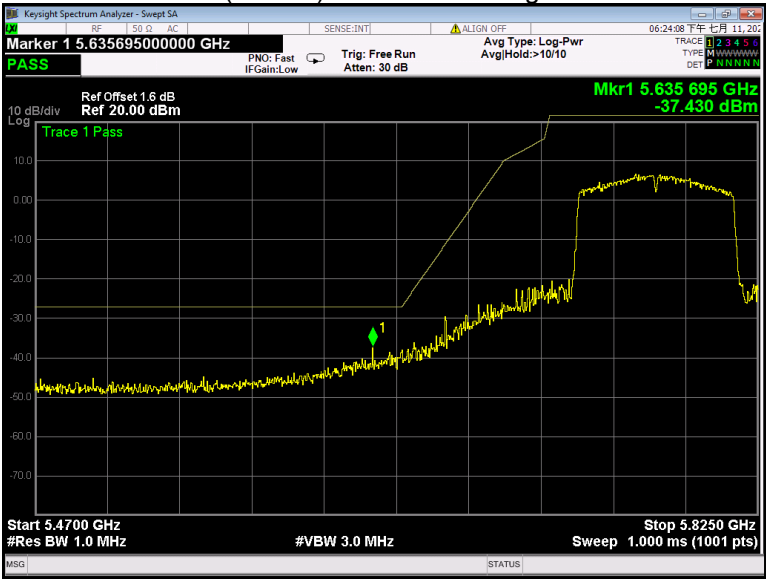
802.11ac(VHT80) U-NII-2C Band edge-left side



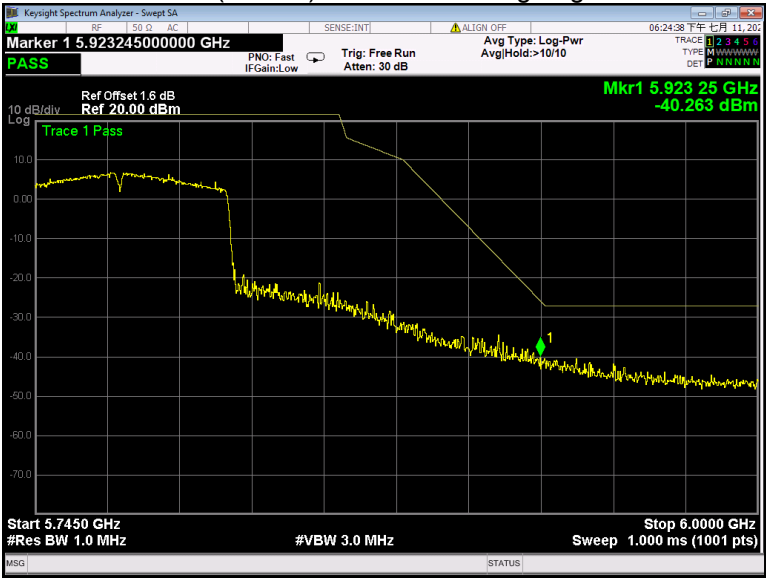
802.11ac(VHT80) U-NII-2C Band edge-right side



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

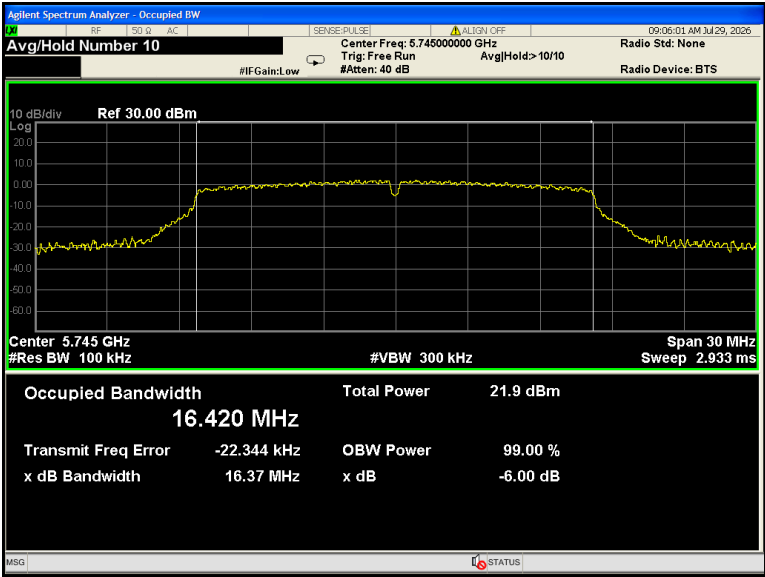
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

11.2 Test Result

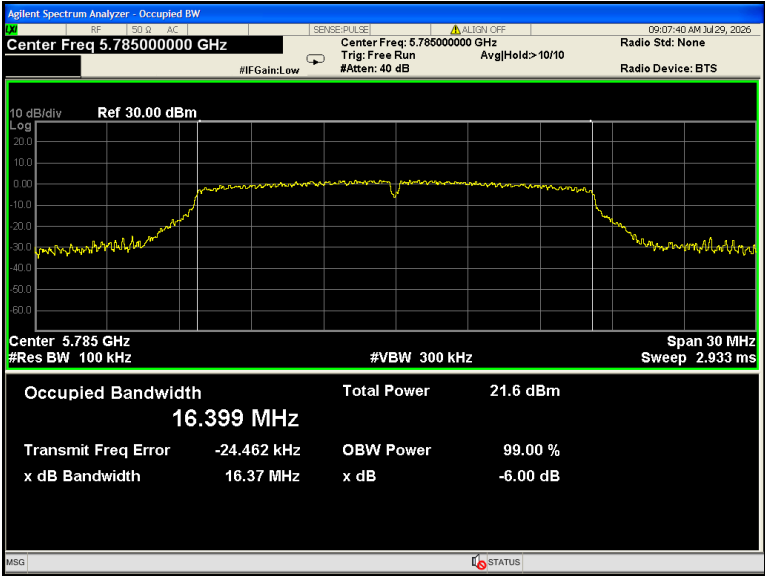
Band	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.37	16.37	16.36
	802.11n(HT20)	17.60	17.62	17.61
	802.11n(HT40)	36.32	/	36.32
	802.11ac(VHT20)	17.56	17.61	17.60
	802.11ac(VHT40)	36.09	/	36.08
	802.11ac(VHT80)	76.35	/	/

Test result plots shown as follows:

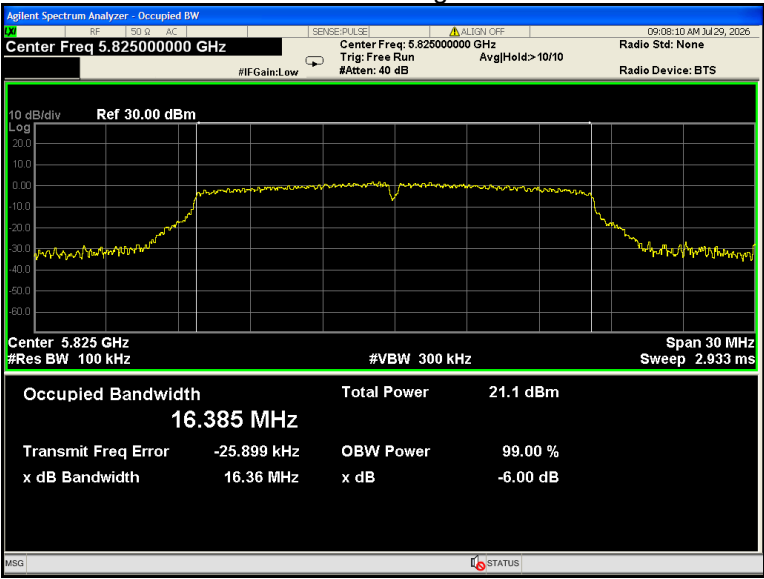
802.11a U-NII-3 Low channel



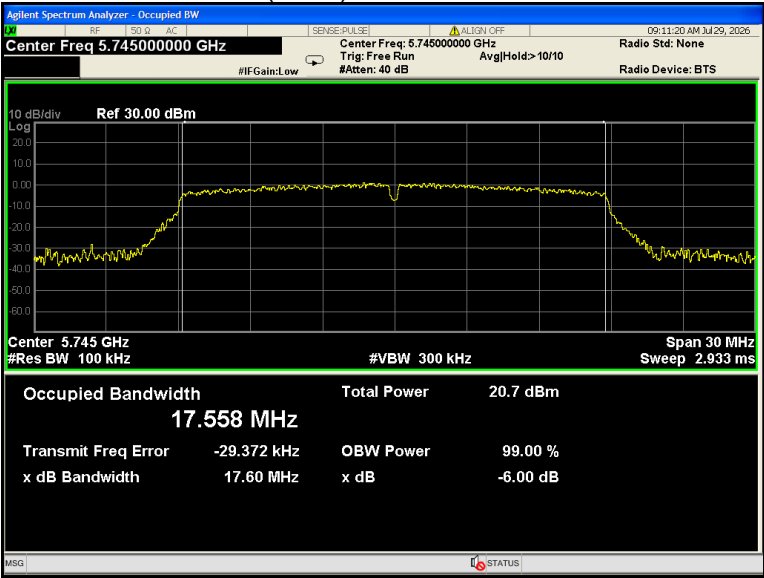
802.11a U-NII-3 Middle channel



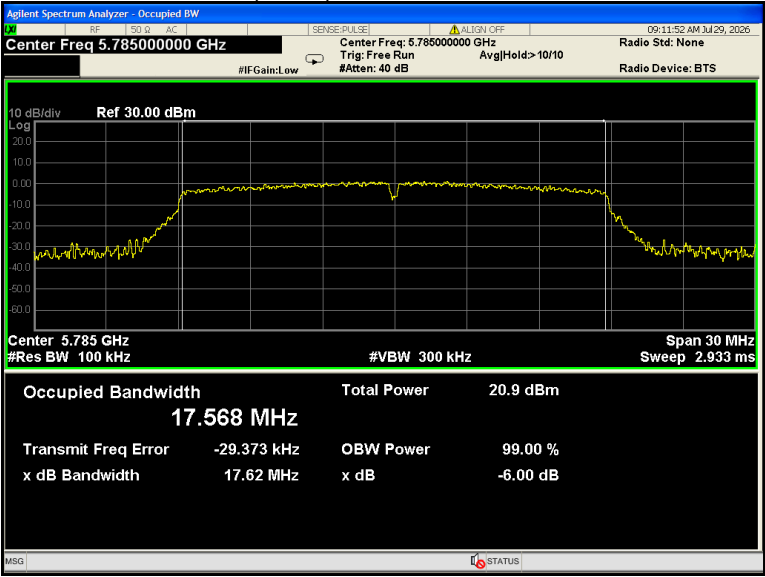
802.11a U-NII-3 High channel



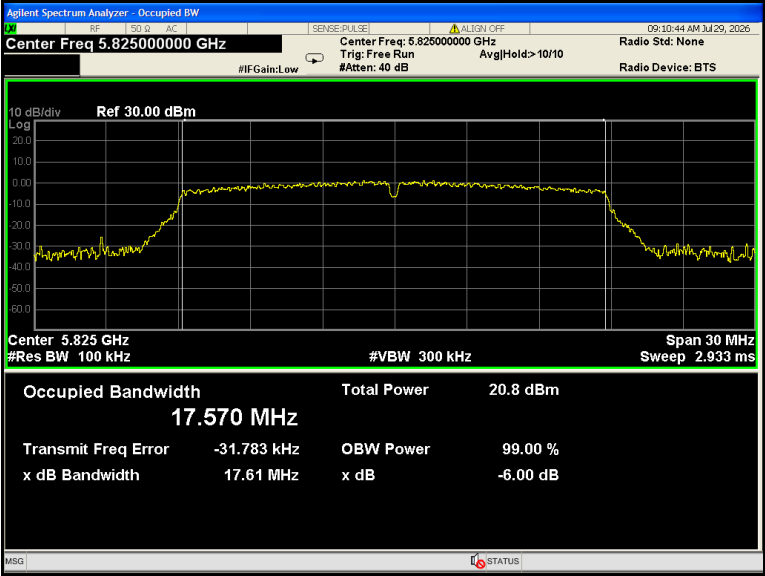
802.11n(HT20) U-NII-3 Low channel



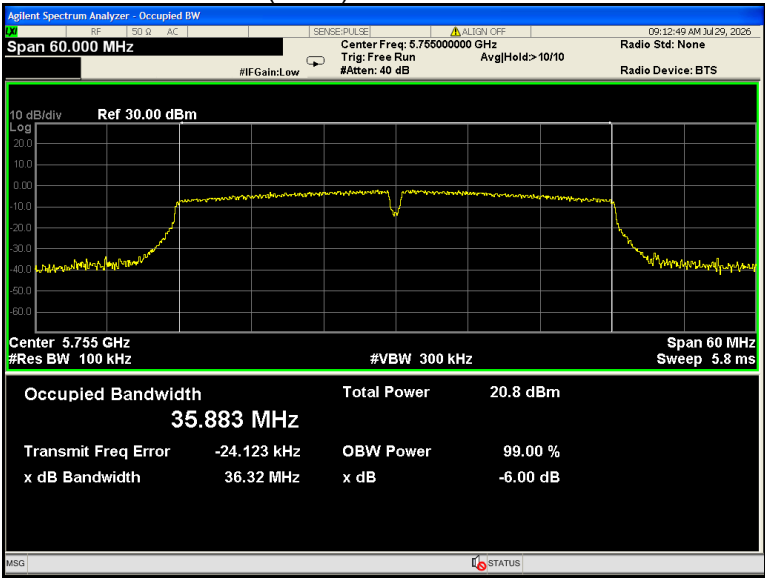
802.11n(HT20) U-NII-3 Middle channel



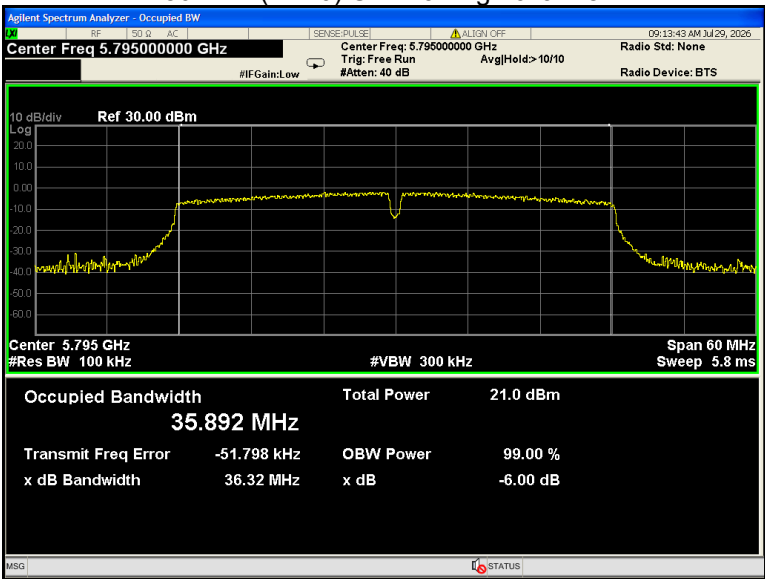
802.11n(HT20) U-NII-3 High channel



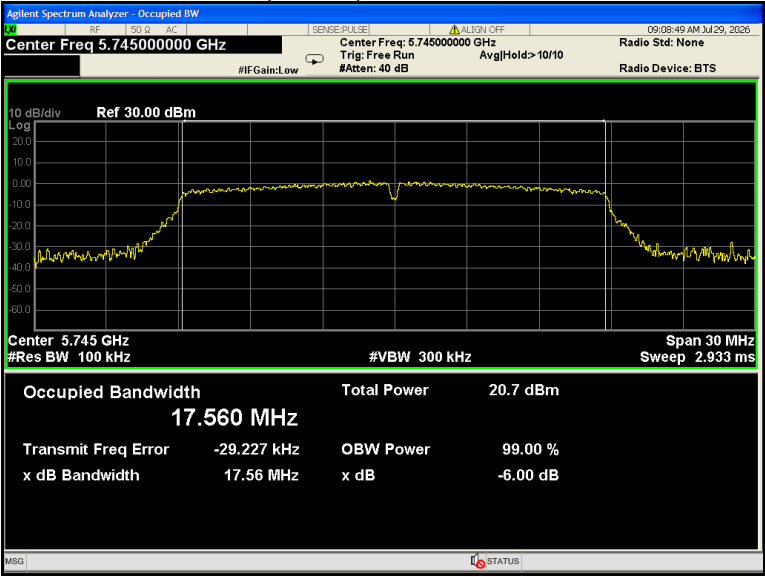
802.11n(HT40) U-NII-3 Low channel



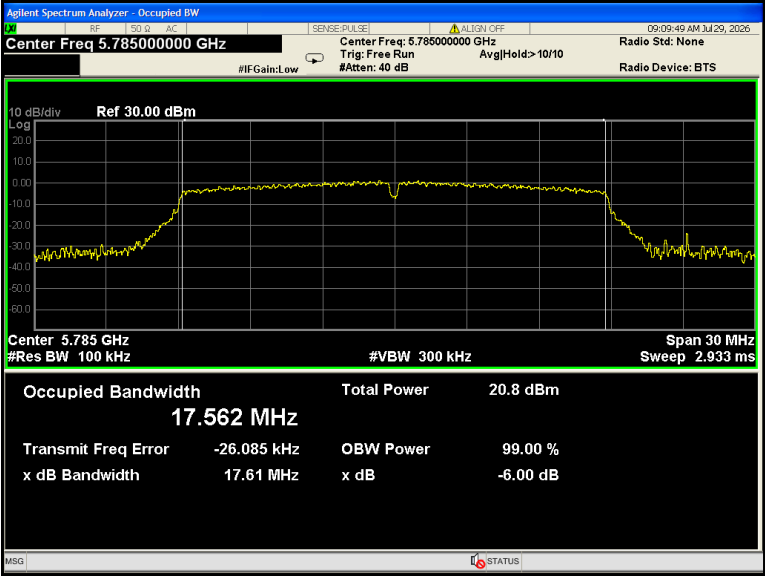
802.11n(HT40) U-NII-3 High channel



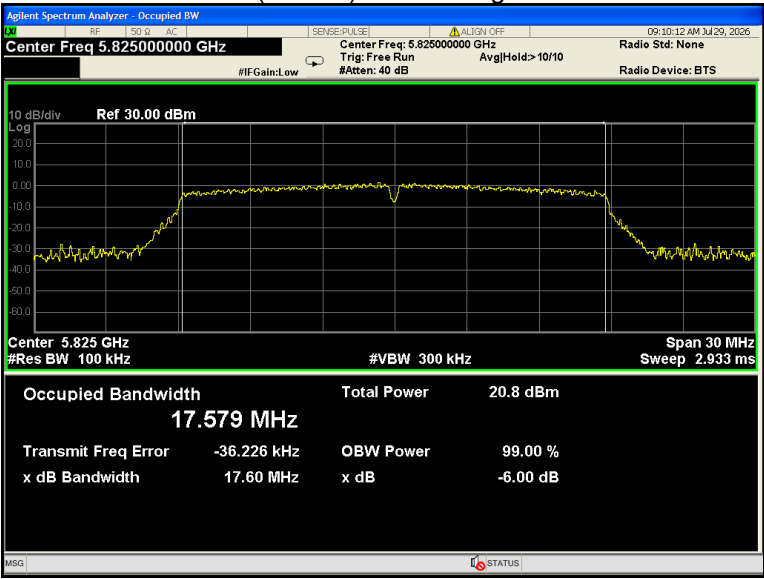
802.11ac(VHT20) U-NII-3 Low channel



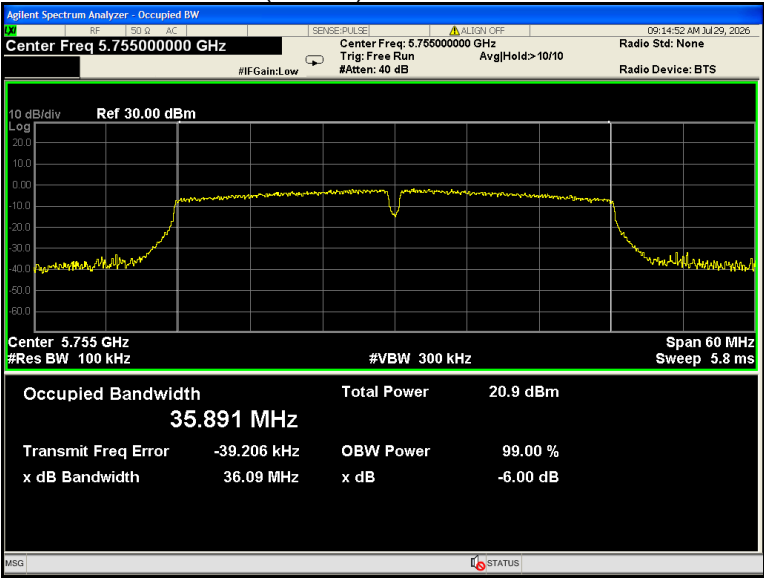
802.11ac(VHT20) U-NII-3 Middle channel



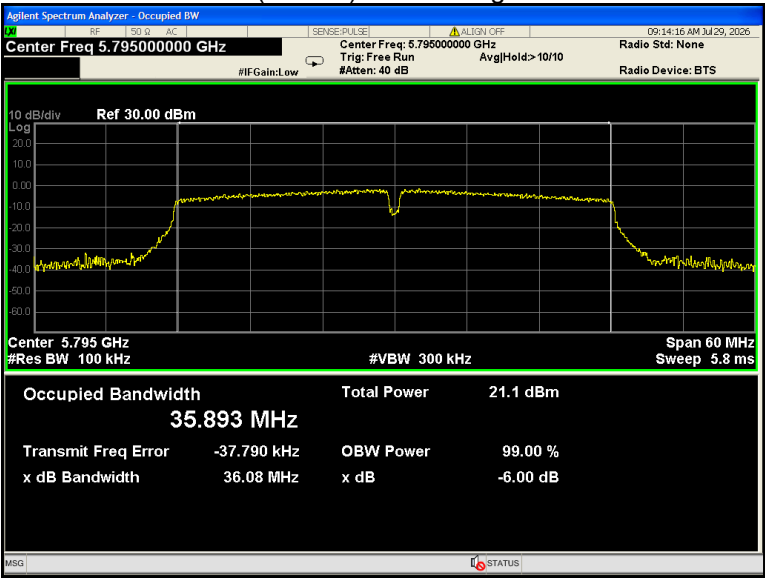
802.11ac(VHT20) U-NII-3 High channel



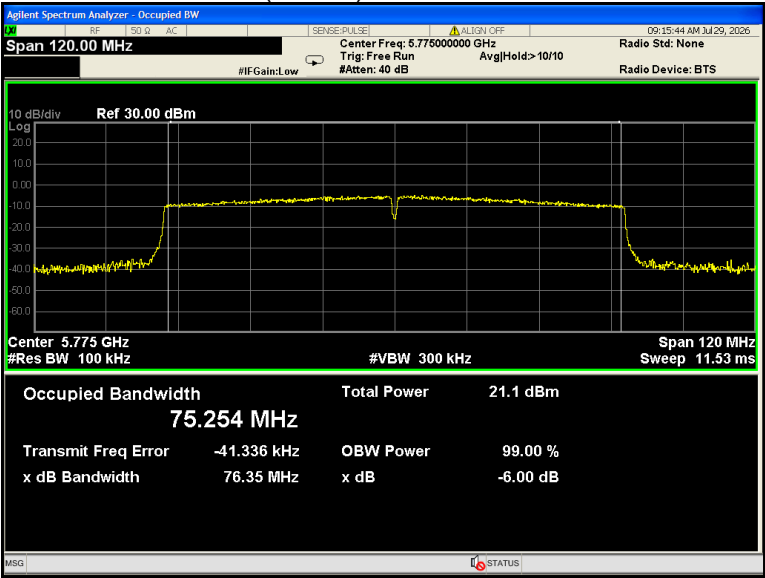
802.11ac(VHT40) U-NII-3 Low channel



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	24.05	24.21	20.02	16.539	16.520	16.498
	802.11n(HT20)	20.65	22.17	23.31	17.624	17.606	17.616
	802.11n(HT40)	39.90	/	40.05	35.981	/	35.893
	802.11ac(VHT20)	20.43	22.25	21.09	17.592	17.624	17.600
	802.11ac(VHT40)	40.25	/	40.11	35.922	/	35.973
	802.11ac(VHT80)	80.13	/	/	75.248	/	/

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2A	802.11a	19.89	20.95	19.88	16.462	16.426	16.443
	802.11n(HT20)	20.30	20.27	21.13	17.590	17.551	17.598
	802.11n(HT40)	40.13	/	39.89	35.964	/	35.930
	802.11ac(VHT20)	20.29	20.28	20.13	17.592	17.587	17.559
	802.11ac(VHT40)	40.01	/	39.81	35.927	/	35.928
	802.11ac(VHT80)	79.93	/	/	75.286	/	/

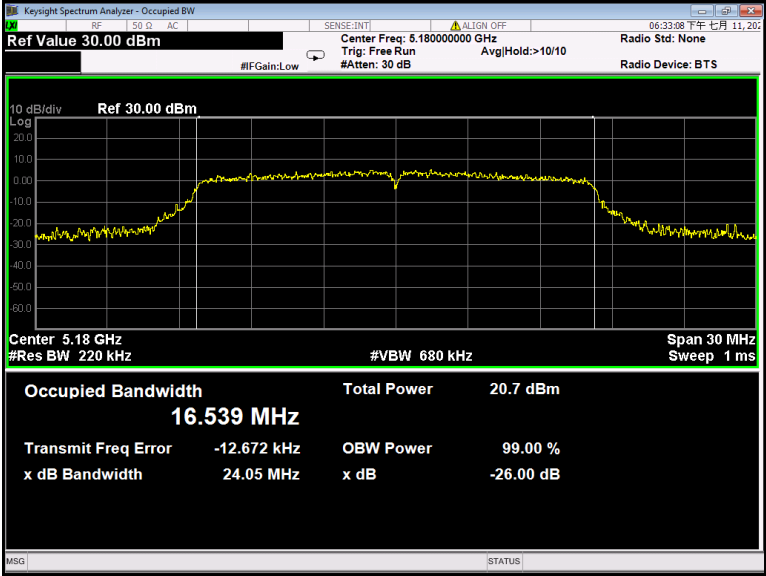
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2C	802.11a	19.62	19.69	19.73	16.402	16.409	16.454
	802.11n(HT20)	20.13	20.02	20.21	17.594	17.582	17.547
	802.11n(HT40)	39.95	39.90	40.14	35.985	35.907	35.946
	802.11ac(VHT20)	19.94	20.16	20.07	17.558	17.573	17.531
	802.11ac(VHT40)	40.21	39.92	39.70	35.952	35.883	35.916
	802.11ac(VHT80)	80.07	/	79.80	75.342	/	75.286

Band	Operation mode	99% Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.425	16.470	16.501
	802.11n(HT20)	17.582	17.606	17.608
	802.11n(HT40)	35.974	/	35.958
	802.11ac(VHT20)	17.597	17.572	17.563
	802.11ac(VHT40)	36.003	/	35.966
	802.11ac(VHT80)	75.383	/	/

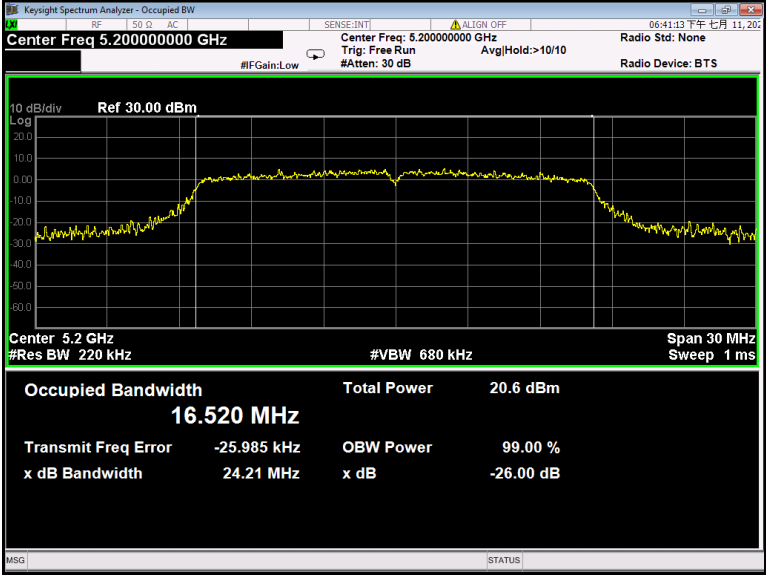
Test result plots shown as follows:

26 dB Bandwidth and 99% Occupied Bandwidth

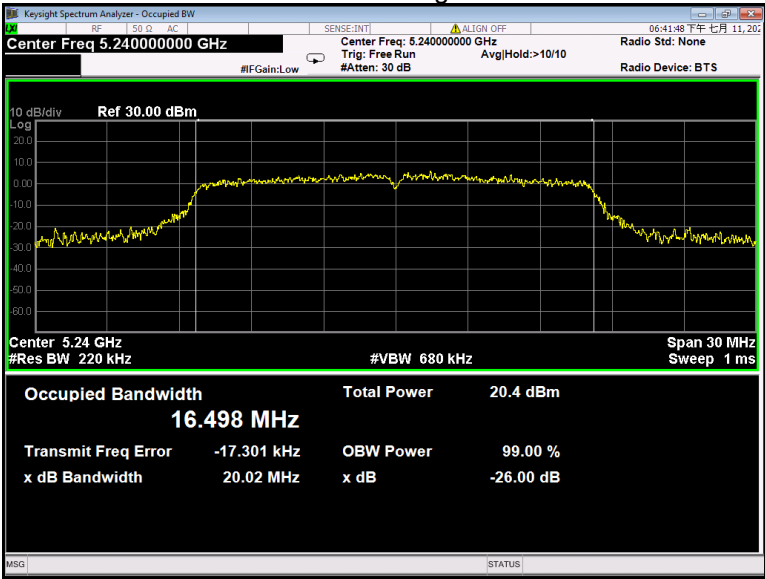
802.11a U-NII-1 Low channel



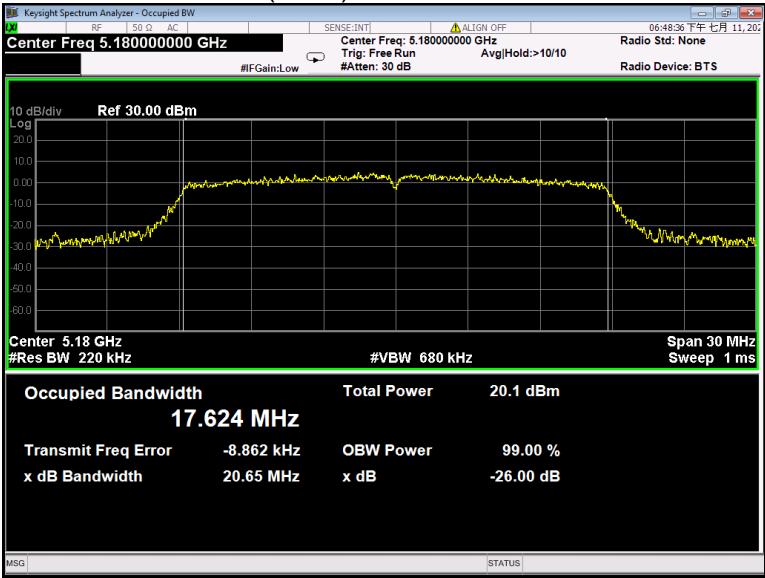
802.11a U-NII-1 Middle channel



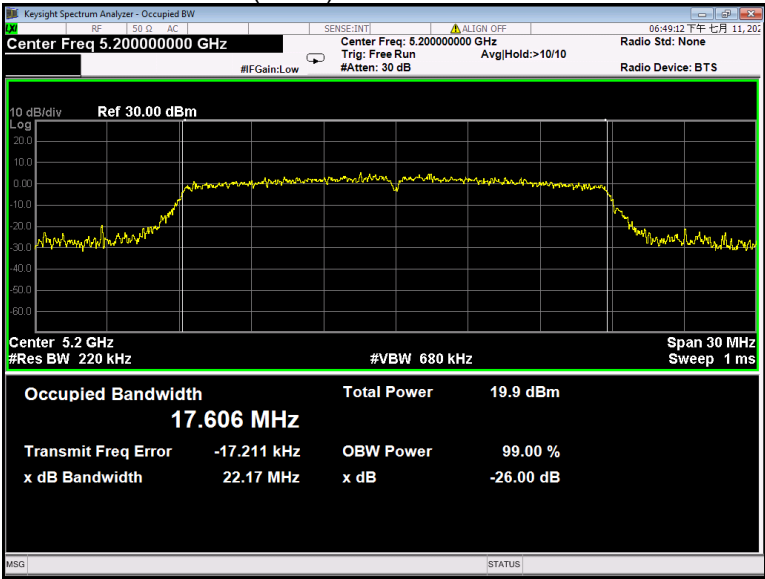
802.11a U-NII-1 High channel



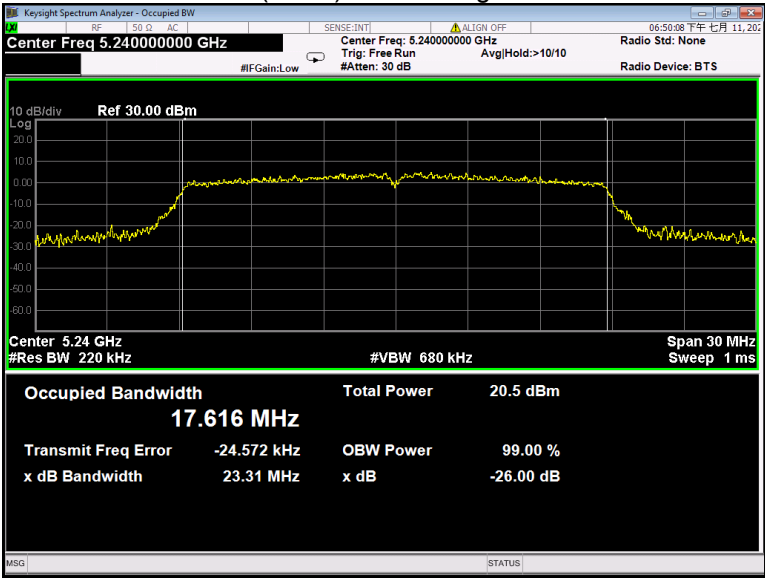
802.11n(HT20) U-NII-1 Low channel



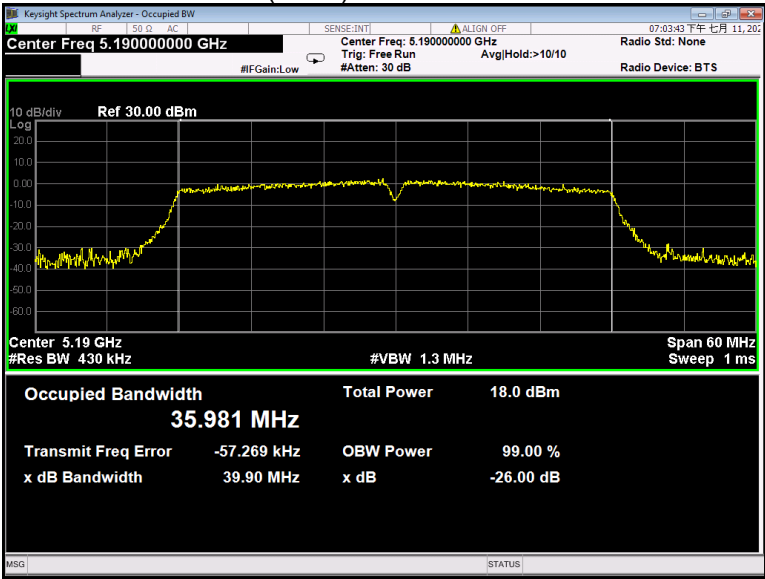
802.11n(HT20) U-NII-1 Middle channel



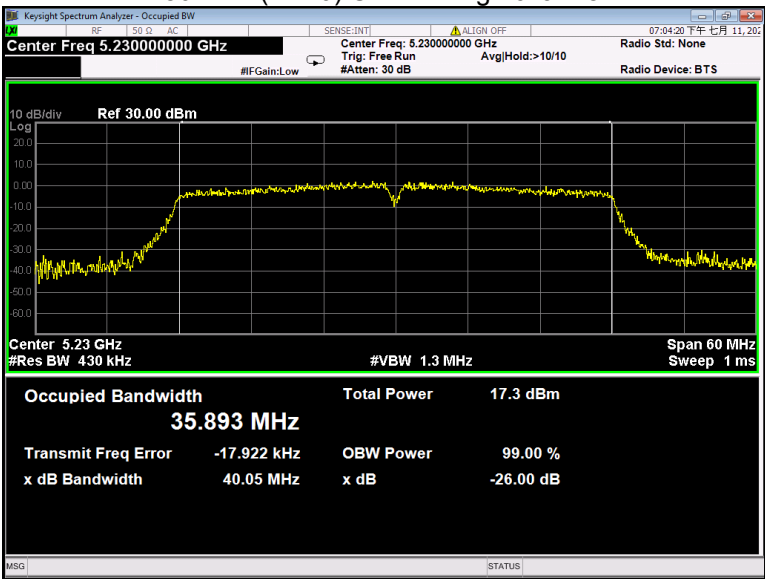
802.11n(HT20) U-NII-1 High channel

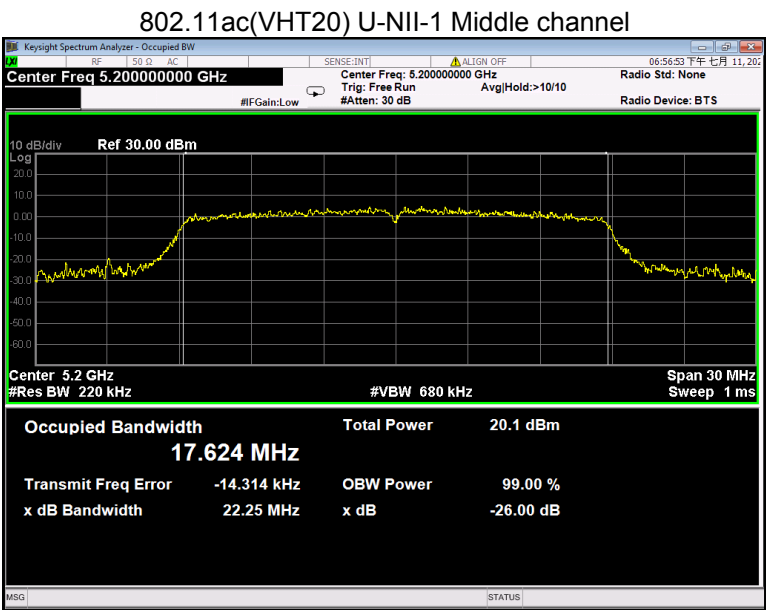
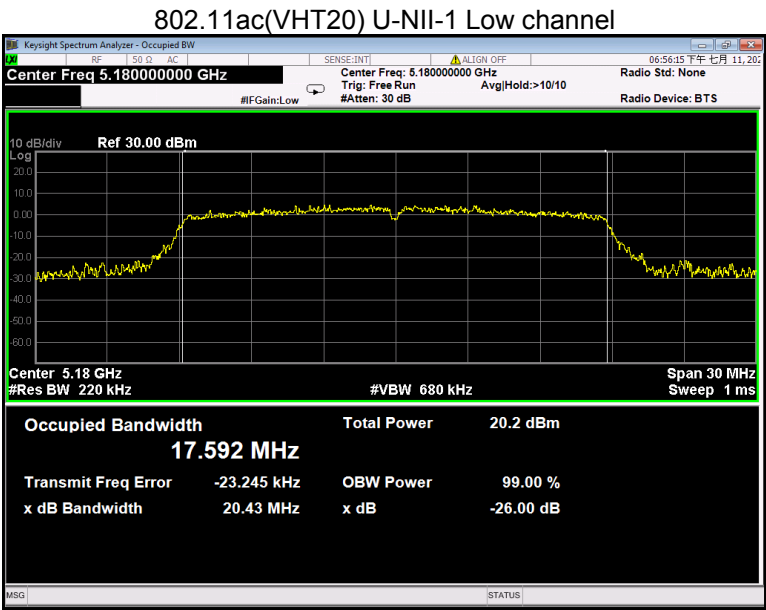


802.11n(HT40) U-NII-1 Low channel

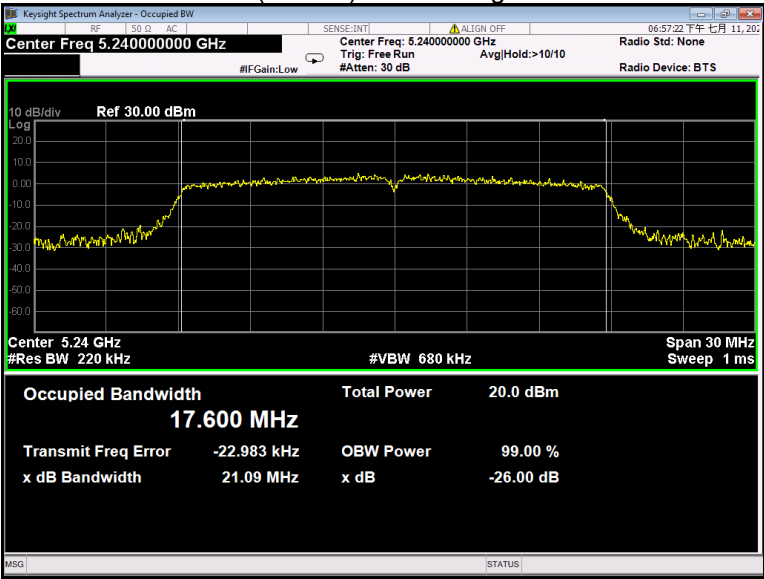


802.11n(HT40) U-NII-1 High channel

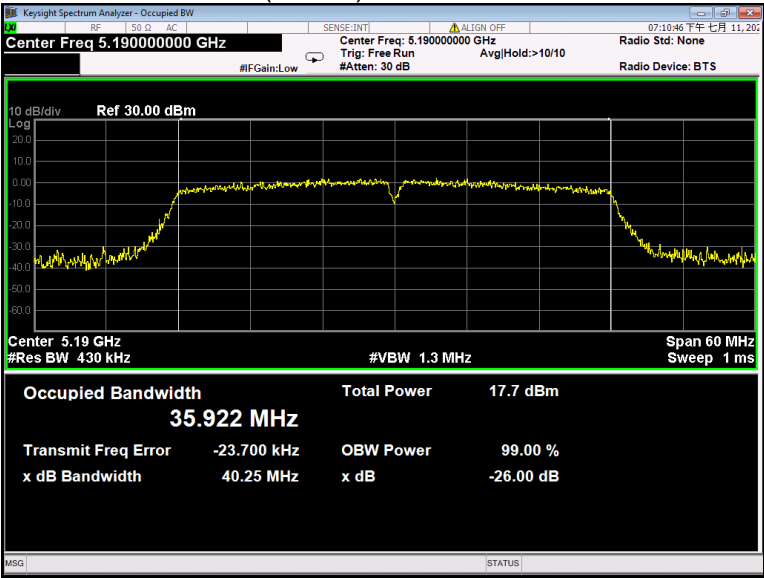




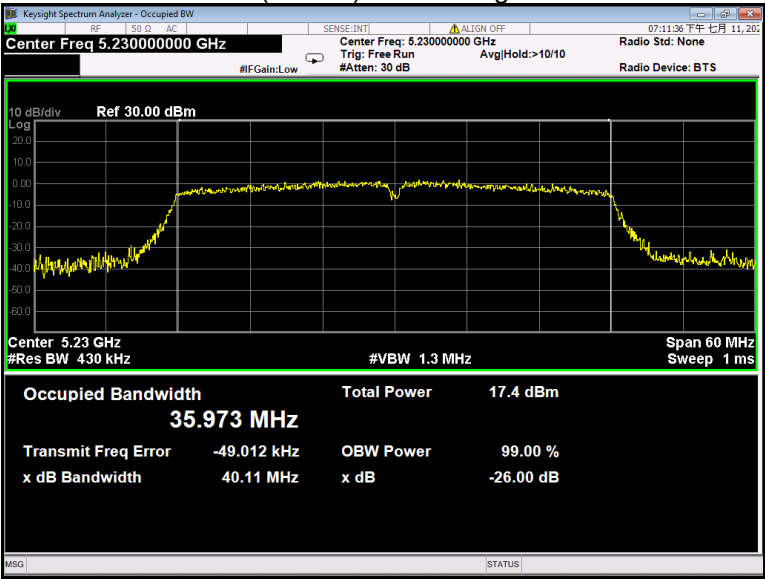
802.11ac(VHT20) U-NII-1 High channel



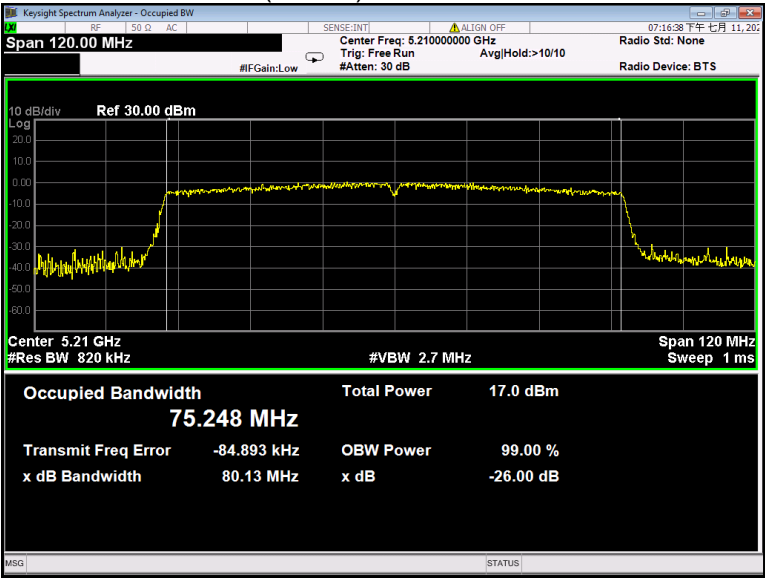
802.11ac(VHT40) U-NII-1 Low channel



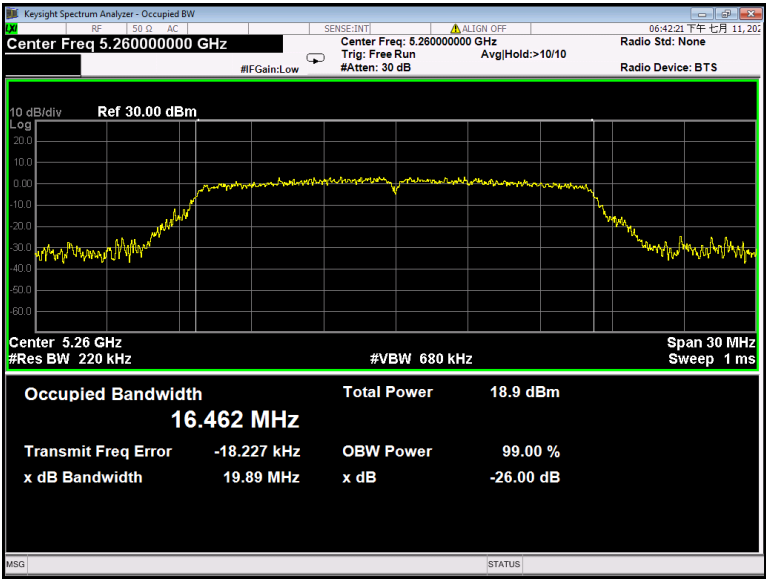
802.11 ac(VHT40) U-NII-1 High channel



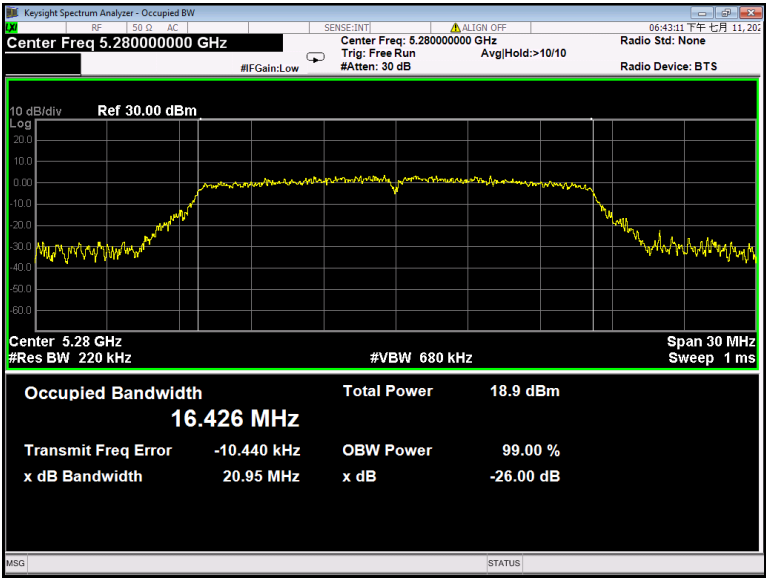
802.11ac(VHT80) U-NII-1 Low channel



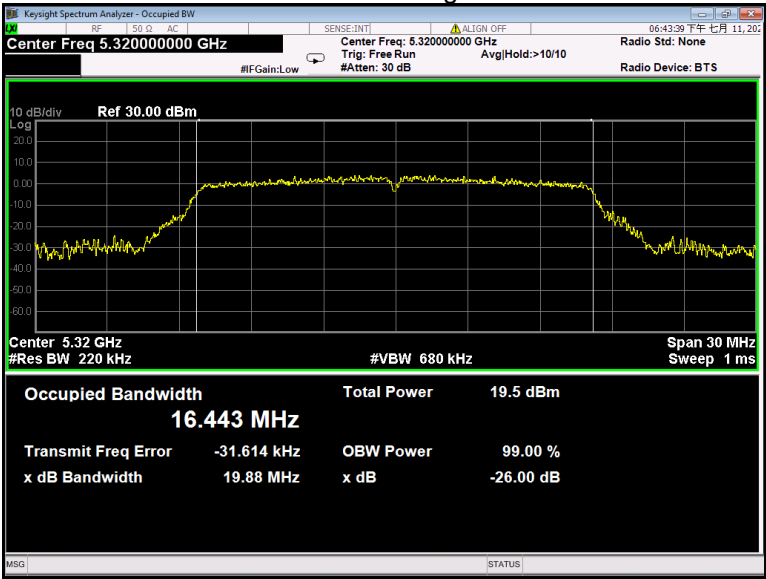
802.11a U-NII-2A Low channel



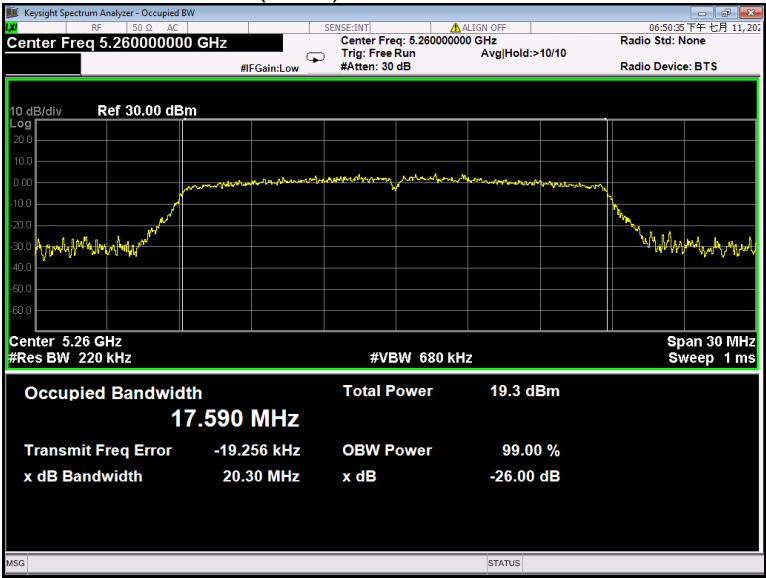
802.11a U-NII-2A Middle channel



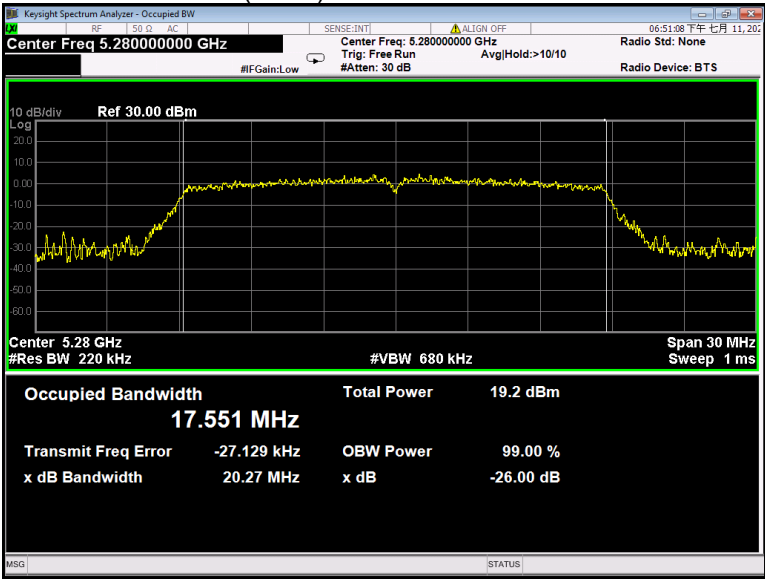
802.11a U-NII-2A High channel



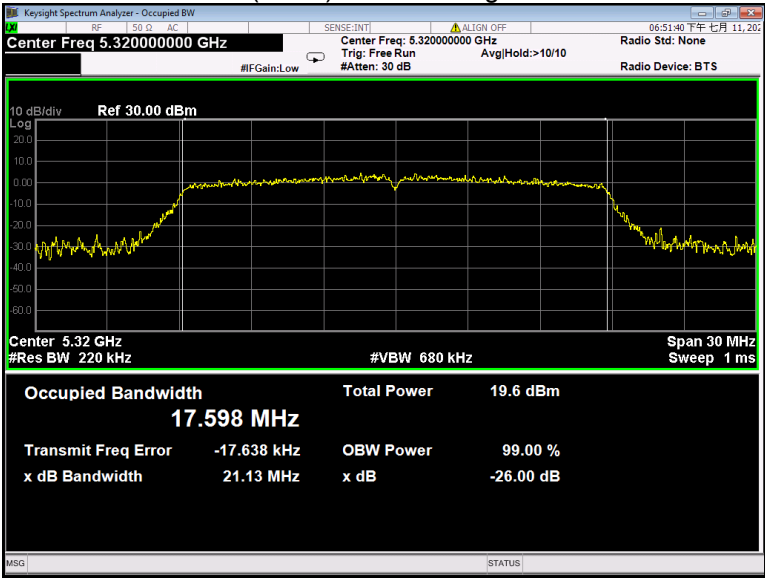
802.11n(HT20) U-NII-2A Low channel



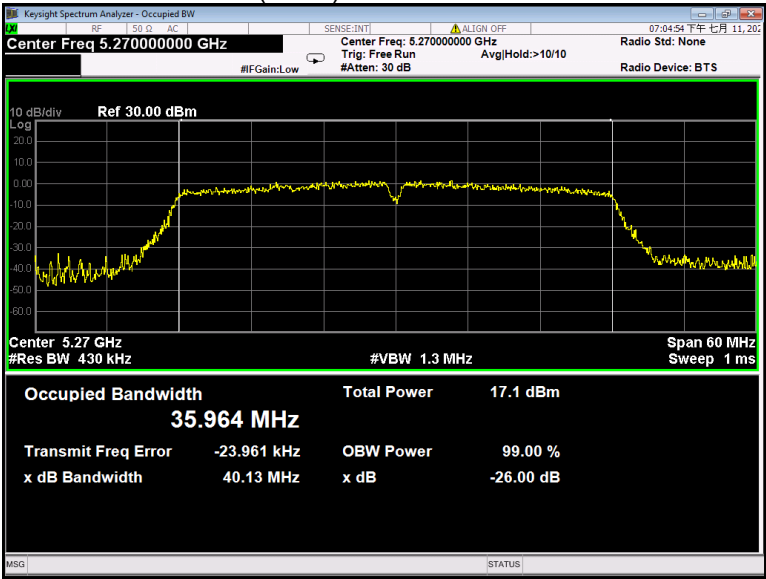
802.11n(HT20) U-NII-2A Middle channel



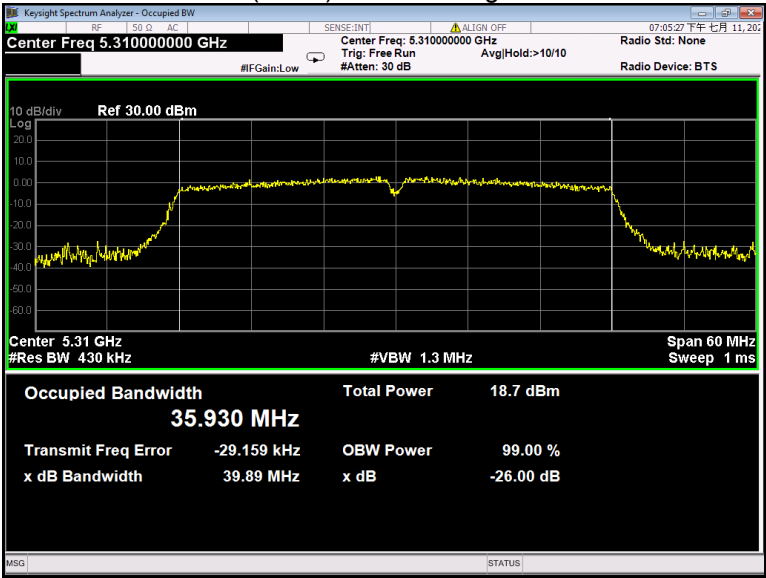
802.11n(HT20) U-NII-2A High channel



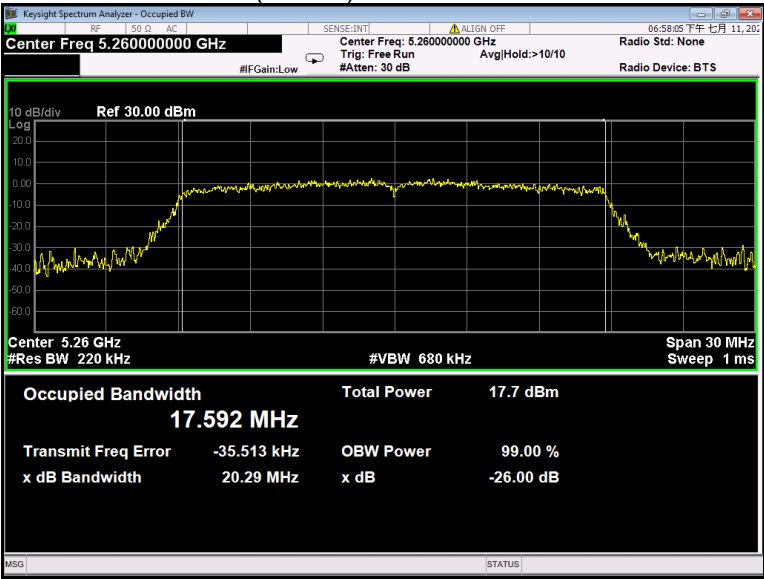
802.11n(HT40) U-NII-2A Low channel



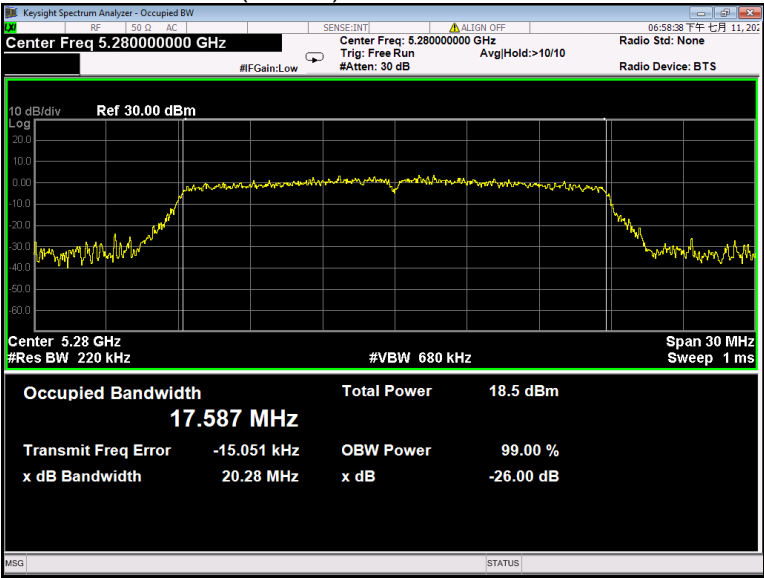
802.11n(HT40) U-NII-2A High channel



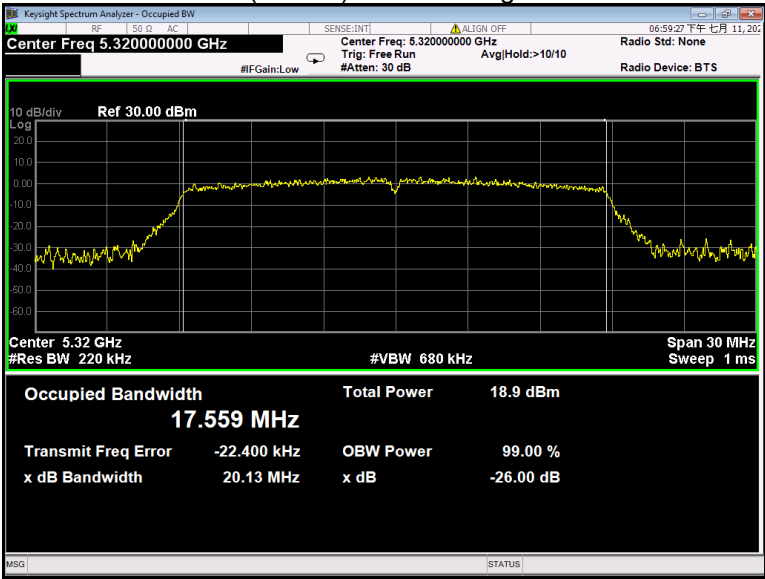
802.11ac(VHT20) U-NII-2A Low channel



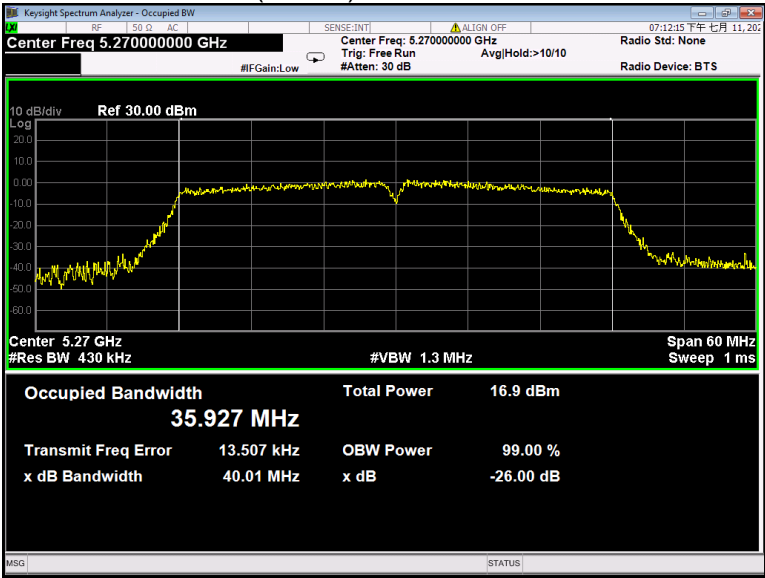
802.11ac(VHT20) U-NII-2A Middle channel



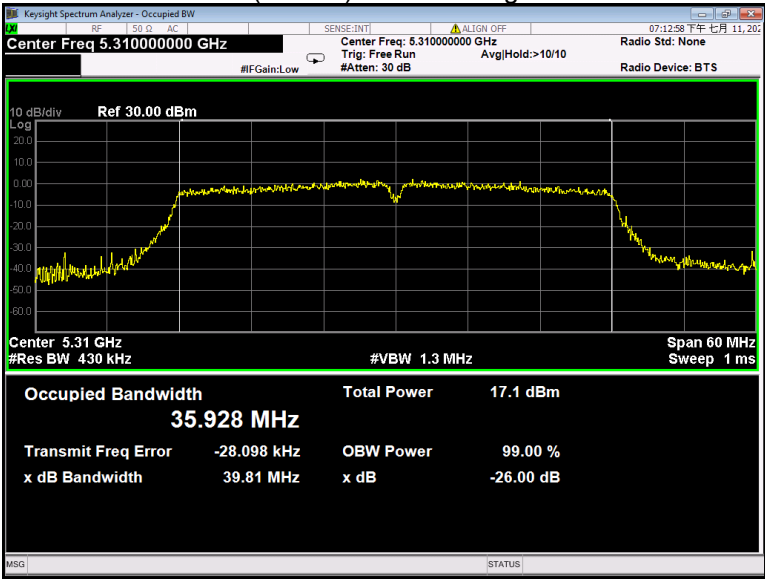
802.11ac(VHT20) U-NII-2A High channel



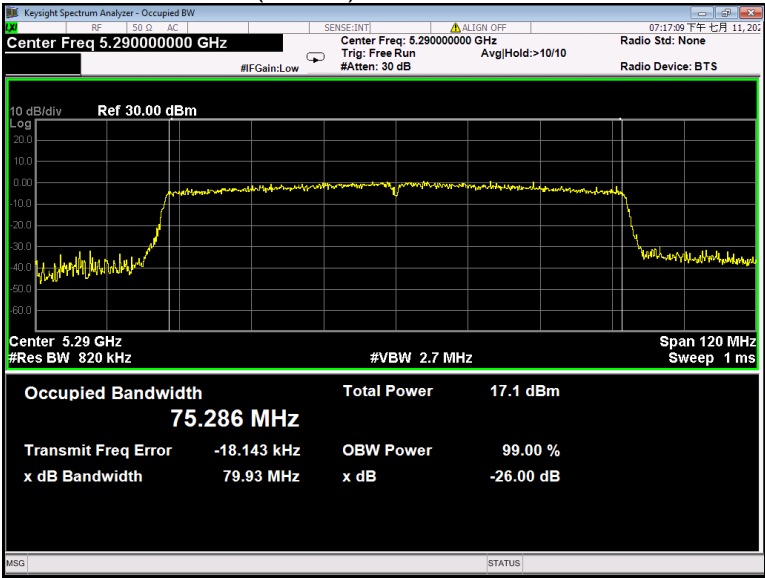
802.11ac(VHT40) U-NII-2A Low channel



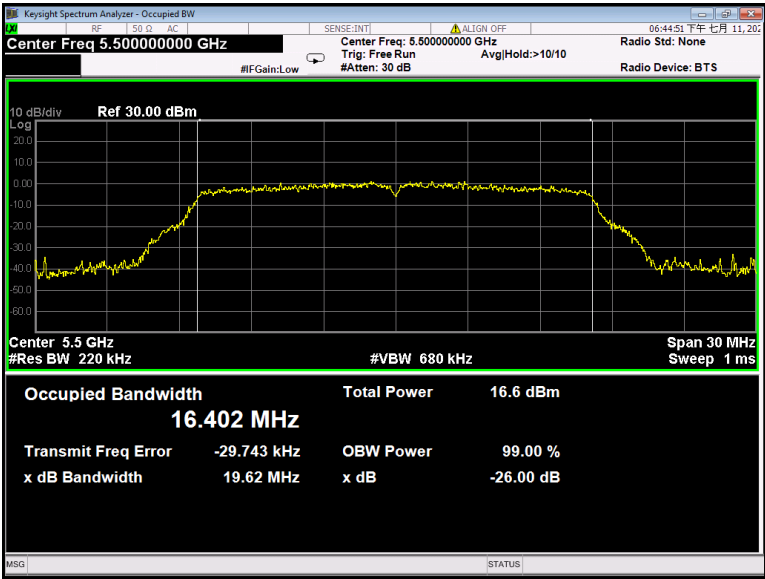
802.11ac(VHT40) U-NII-2A High channel



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



802.11a U-NII-2C Low channel



802.11a U-NII-2C Middle channel

