

TEST REPORT

Reference No. : WTD25D11310672W005
FCC ID..... : 2AEPIBLACK6
Applicant..... : COLOMBIANA DE COMERCIO S.A.
Address : Car. 43E No 8-71, Medellin, Colombia
Manufacturer : Sichuan Koobee Communication Equipment Co., Ltd.
Address : 3 Floor, Building 2, 69 Gangyuan Road West Section, Lingang
Development Zone, Yibin City, Sichuan Province, China
Product..... : Smart Phone
Model(s)..... : Black 6
Brand Name..... : Kalley
Standards..... : FCC 47CFR Part 15 Section 15.407
Date of Receipt sample..... : 2025-11-25
Date of Test..... : 2025-11-25 to 2025-12-09
Date of Issue : 2025-12-16
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
WTD25D11310672W005	2025-11-25	2025-11-25 to 2025-12-09	2025-12-16	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	Smart Phone
Model(s):	Black 6
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:	KS50GF_01A
Software Version:	Kalley_Claro_Black_6_V02_20251114

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: 11.16dBm U-NII-2A: 9.96dBm U-NII-2C: 13.25dBm U-NII-3: 11.91dBm
Type of Modulation:	OFDM
Antenna installation:	Internal antenna
Antenna Gain:	0.49dBi
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 3.88V, 4900mAh, 19.02Wh
Adapter:	Model No.: 552A-033G-1C Input: 100-240V~, 50/60Hz, 1.0A Output: 5.0V==3.0A, 15.0W; 9.0V==3.0A, 27.0W; 12.0V==2.5A, 30.0W; 15.0V==2.0A, 30.0W; 20.0V==1.5A, 30.0W (PPS): 5.0-11.0V==3.0A (33.0W MAX) 5.0-16.0V==2.0A (32.0W MAX) Manufacturer: SHENZHEN BAIJUNDA ELECTRONICS CO.,LTD

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	5580
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	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	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.

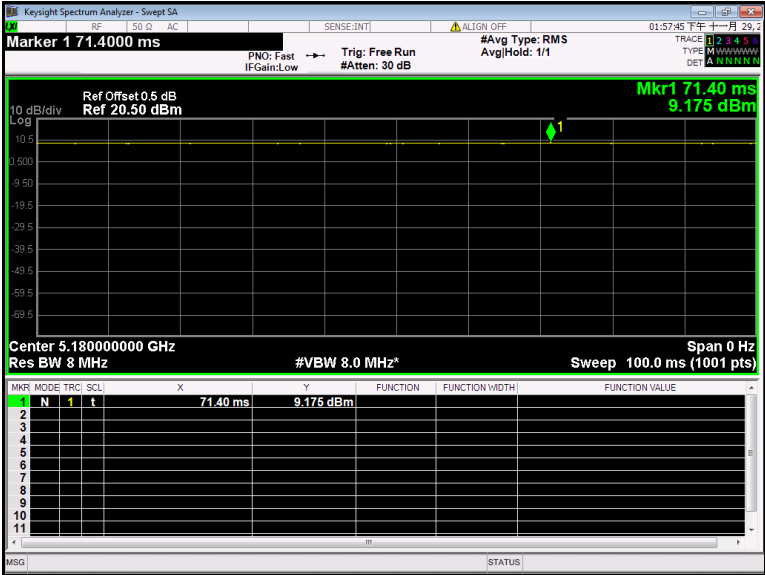
7.1 Summary of Test Results

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	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-1 802.11n(HT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-1 802.11n(HT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-1 802.11ac(VHT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-1 802.11ac(VHT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-1 802.11ac(VHT80)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2A 802.11a	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2A 802.11n(HT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2A 802.11n(HT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2A 802.11ac(VHT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2A 802.11ac(VHT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2A 802.11ac(VHT80)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2C 802.11a	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2C 802.11n(HT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2C 802.11n(HT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2C 802.11ac(VHT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2C 802.11ac(VHT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-2C 802.11ac(VHT80)	100.000	100.000	1.00	100.00	0.00	0.00

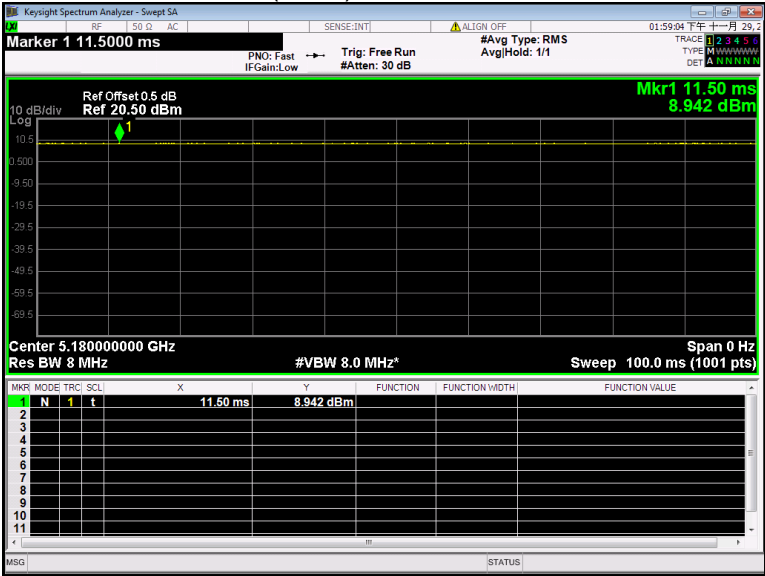
U-NII-3 802.11a	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-3 802.11n(HT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-3 802.11n(HT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-3 802.11ac(VHT20)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-3 802.11ac(VHT40)	100.000	100.000	1.00	100.00	0.00	0.00
U-NII-3 802.11ac(VHT80)	100.000	100.000	1.00	100.00	0.00	0.00

Test result plots shown as follows:

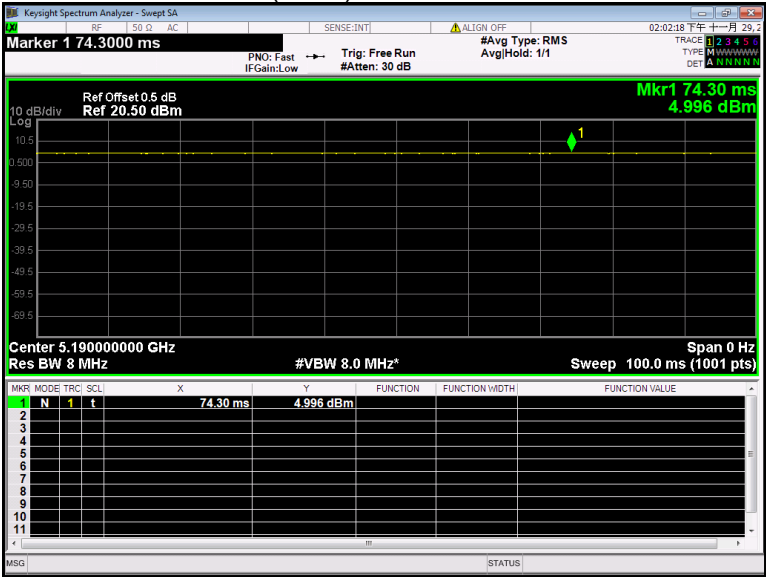
802.11a U-NII-1 Low channel



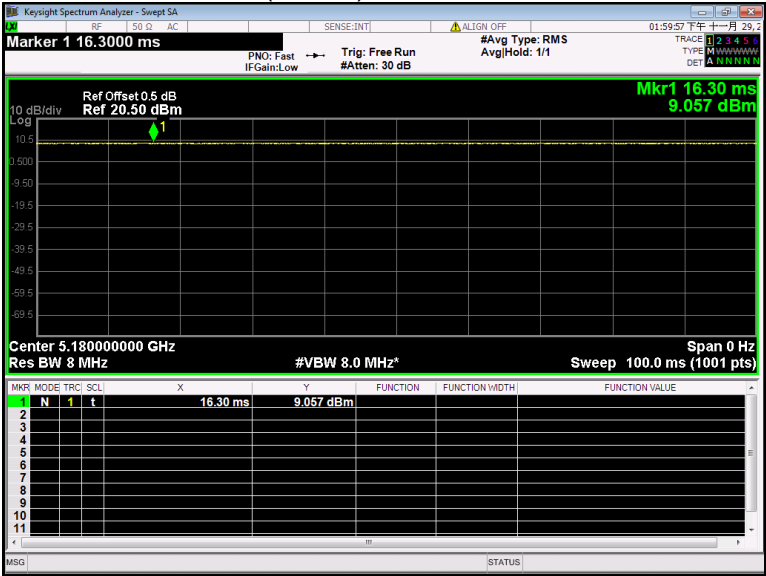
802.11n(HT20) U-NII-1 Low channel



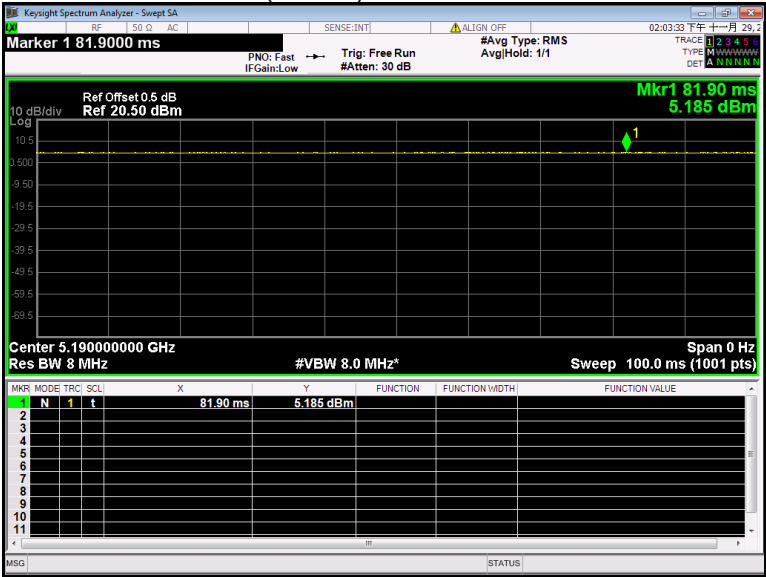
802.11n(HT40) U-NII-1 Low channel



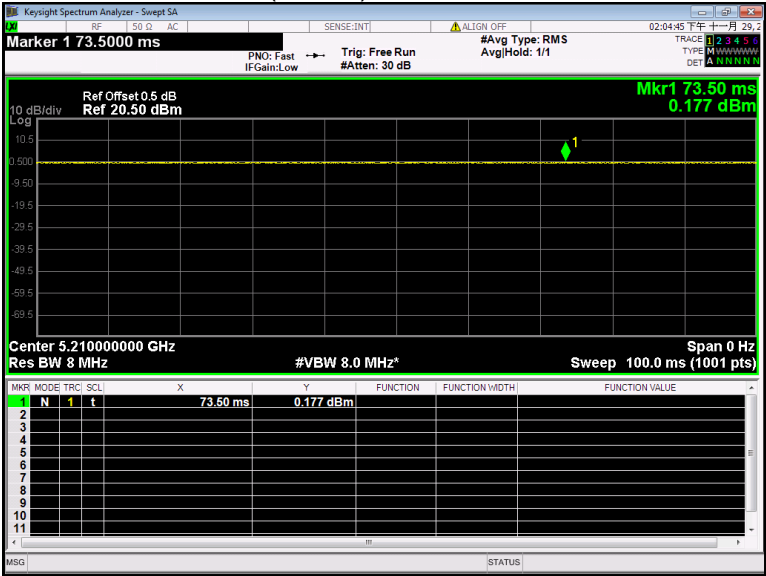
802.11ac(VHT20) U-NII-1 Low channel



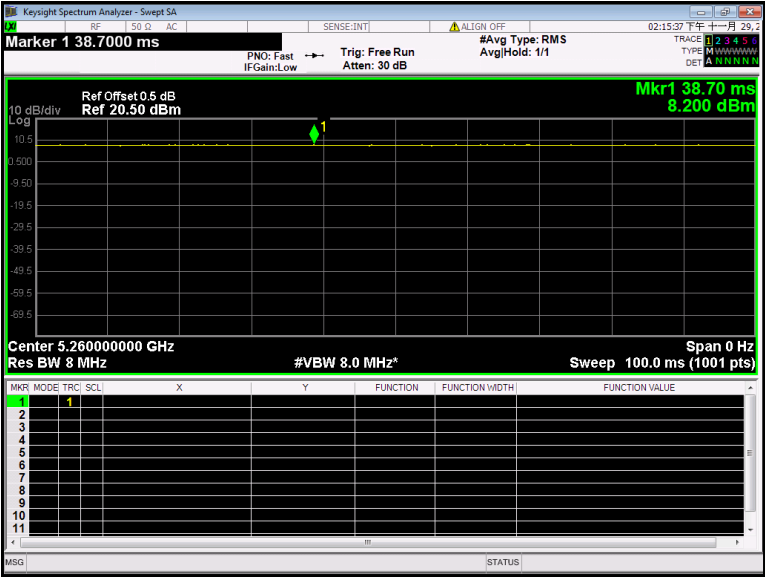
802.11ac(VHT40) U-NII-1 Low channel



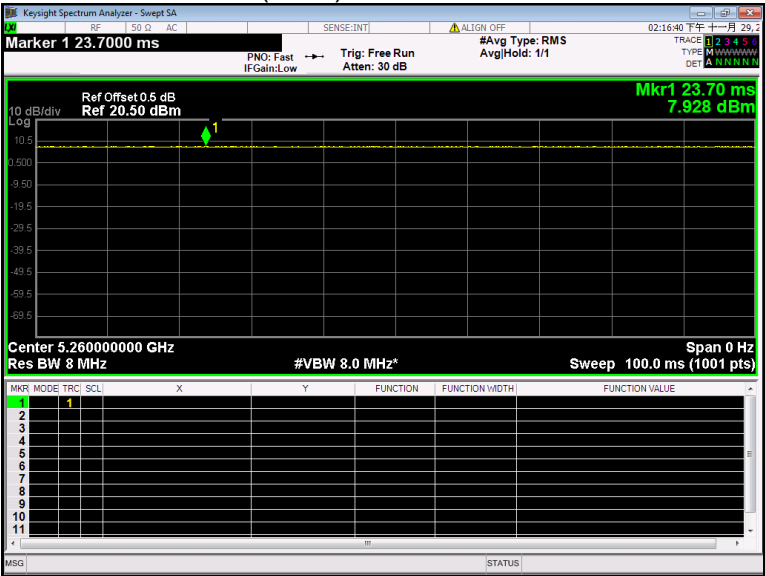
802.11ac(VHT80) U-NII-1 Low channel



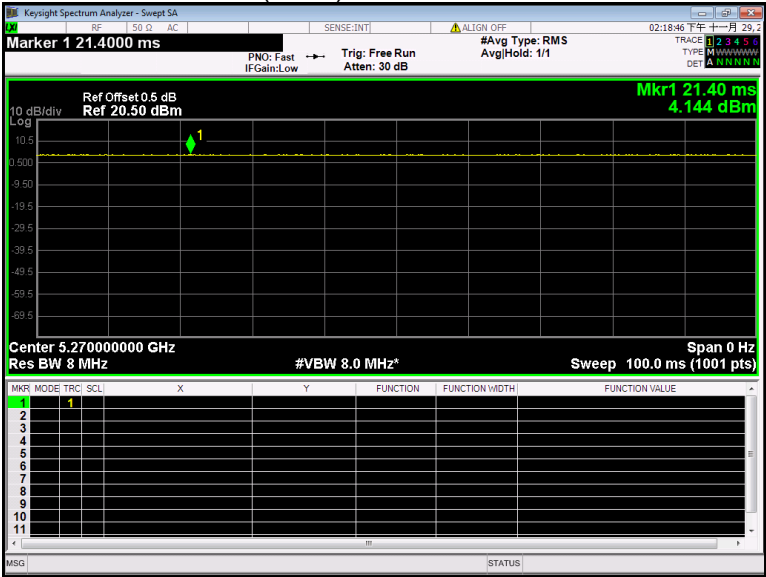
802.11a U-NII-2A Low channel



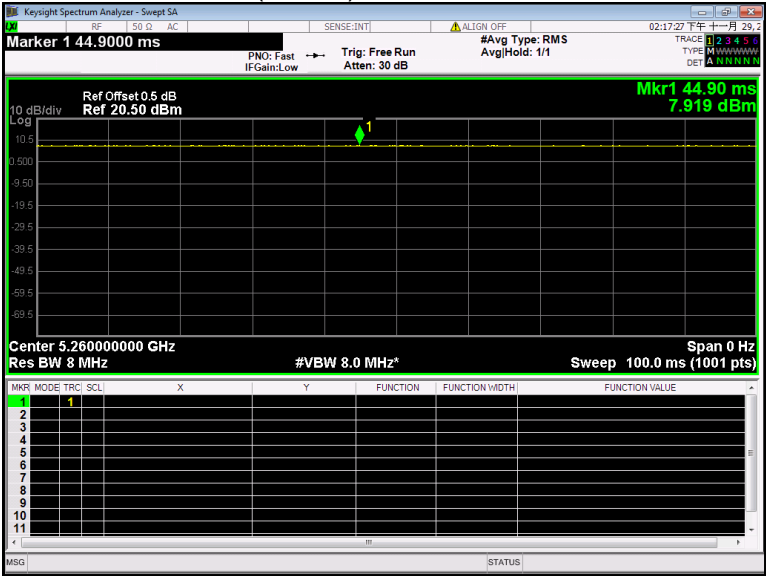
802.11n(HT20) U-NII-2A Low channel



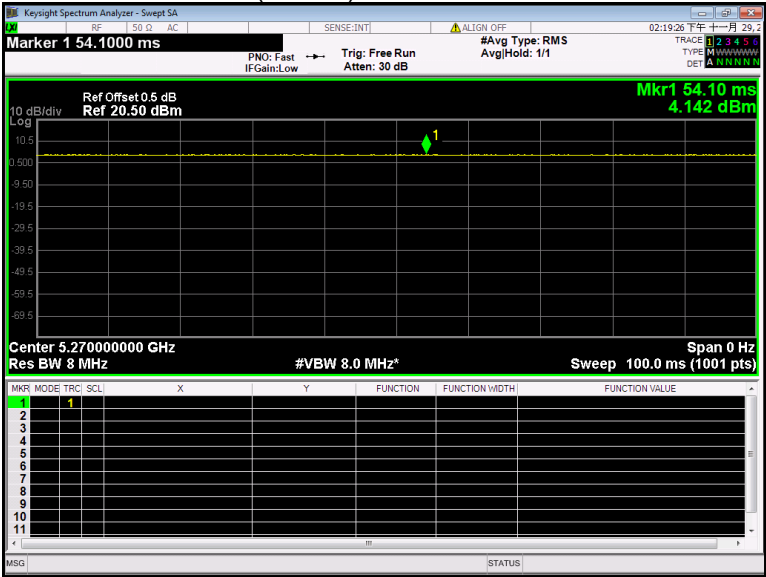
802.11n(HT40) U-NII-2A Low channel



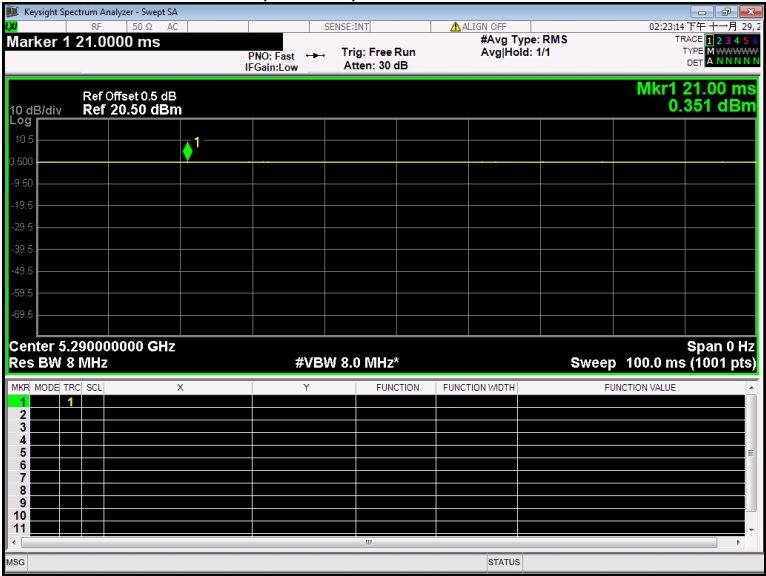
802.11ac(VHT20) U-NII-2A Low channel



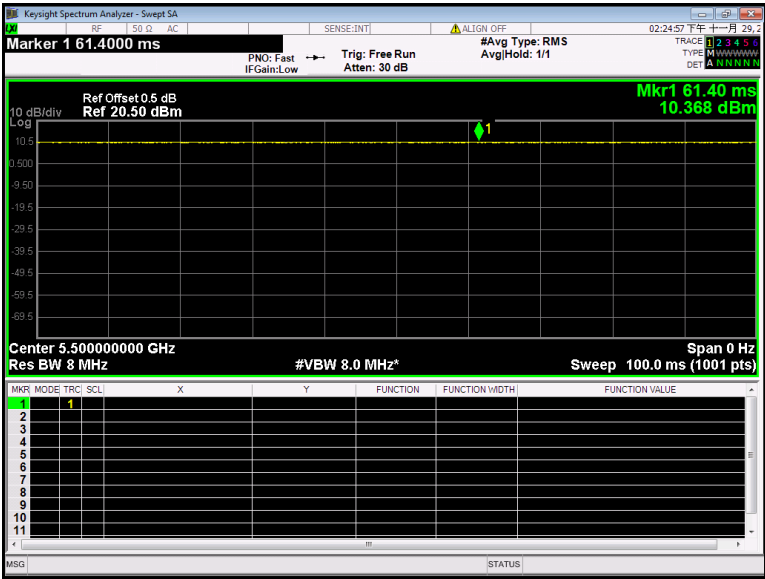
802.11ac(VHT40) U-NII-2A Low channel



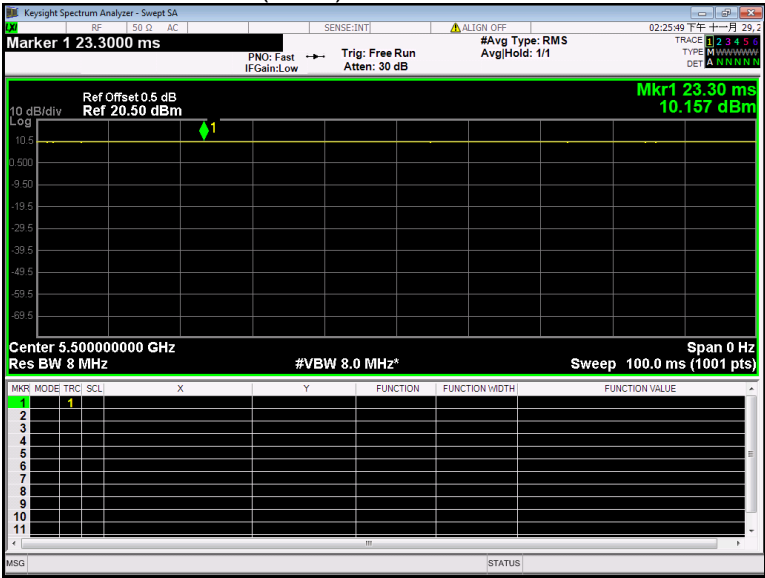
802.11ac(VHT80) U-NII-2A Low channel



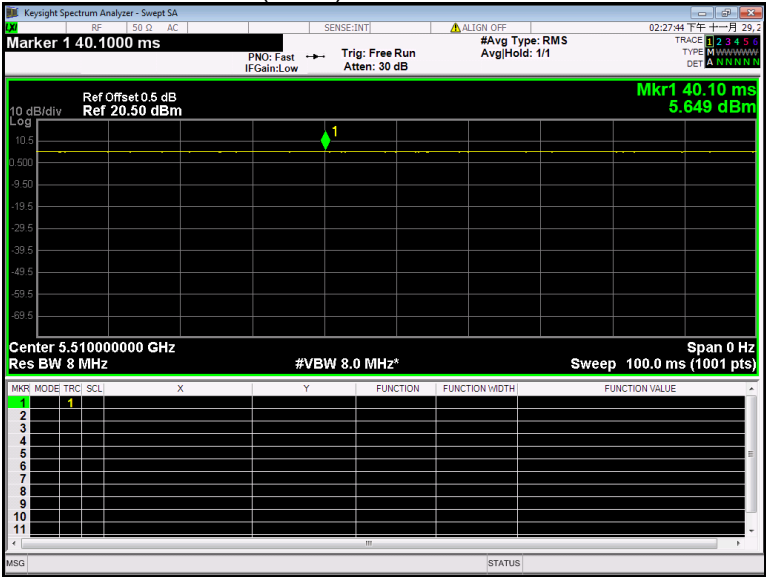
802.11a U-NII-2C Low channel



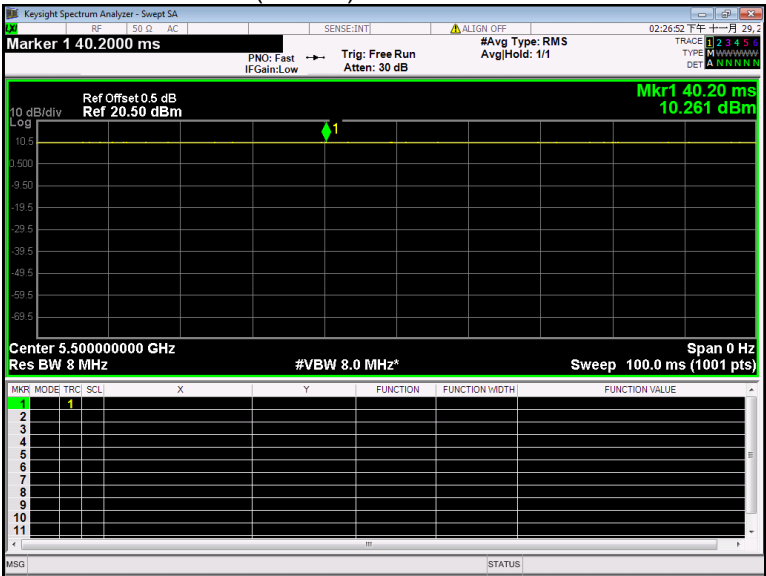
802.11n(HT20) U-NII-2C Low channel



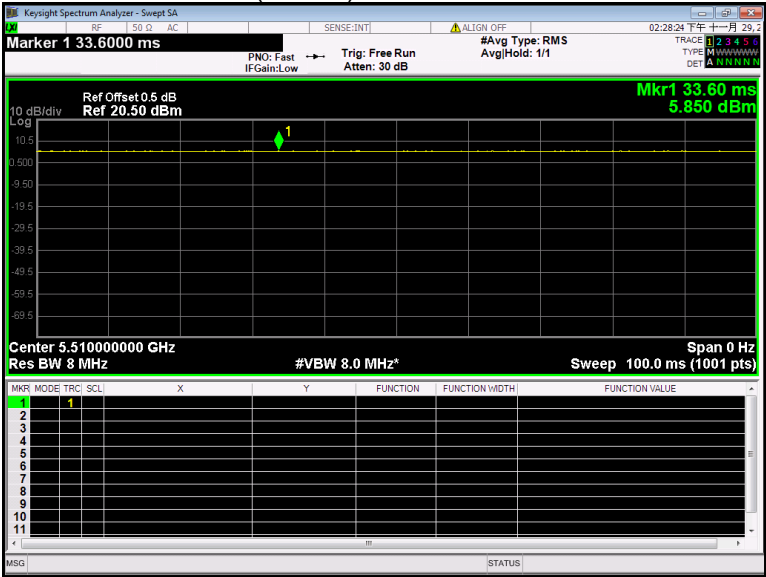
802.11n(HT40) U-NII-2C Low channel



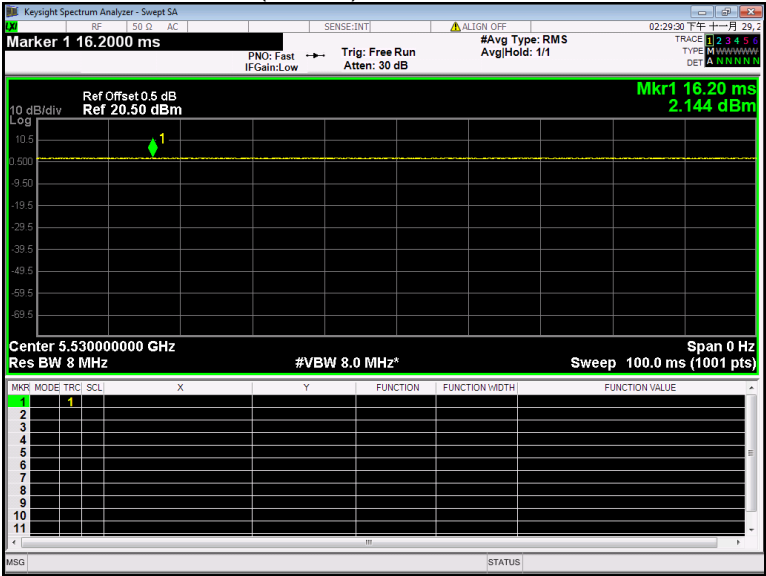
802.11ac(VHT20) U-NII-2C Low channel



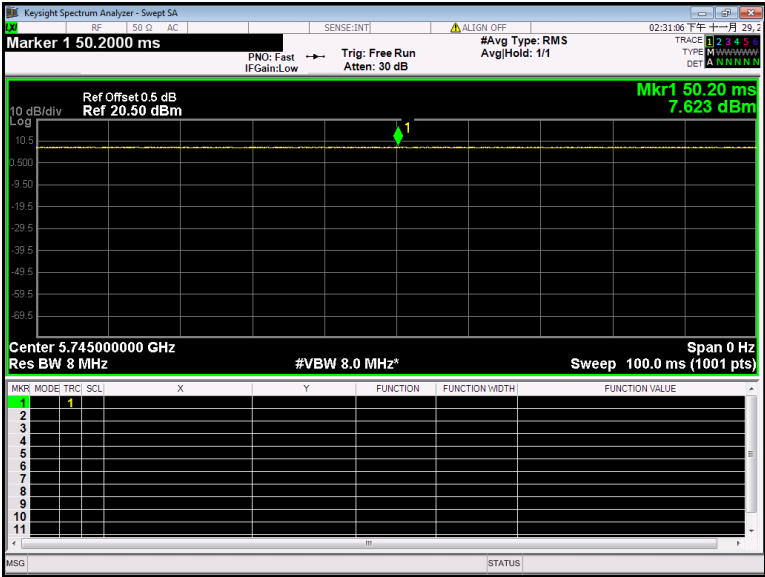
802.11ac(VHT40) U-NII-2C Low channel



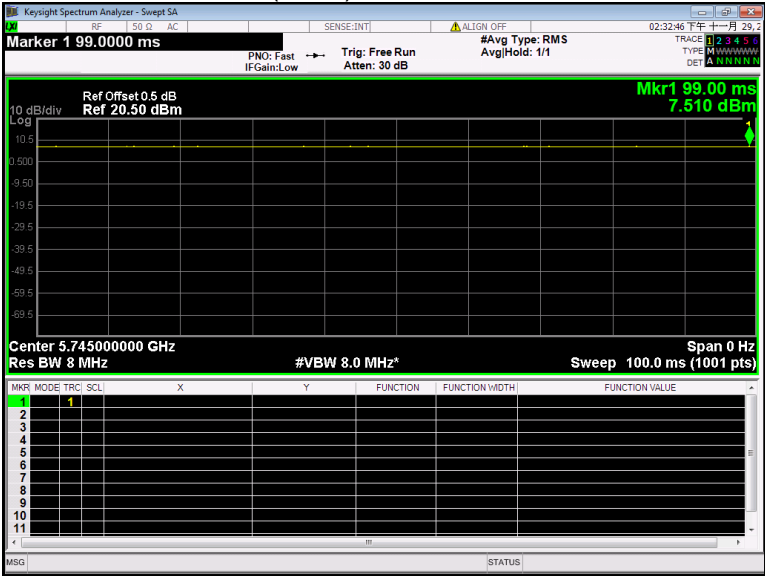
802.11ac(VHT80) U-NII-2C Low channel



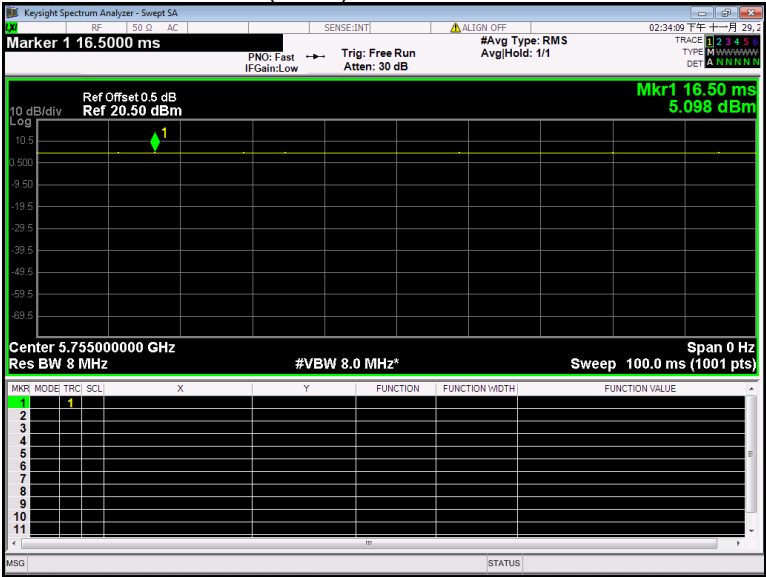
802.11a U-NII-3 Low channel



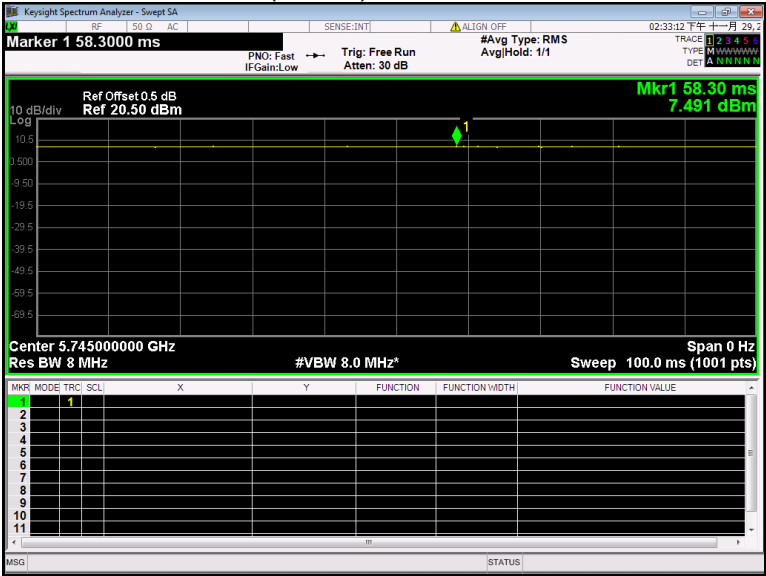
802.11n(HT20) U-NII-3 Low channel



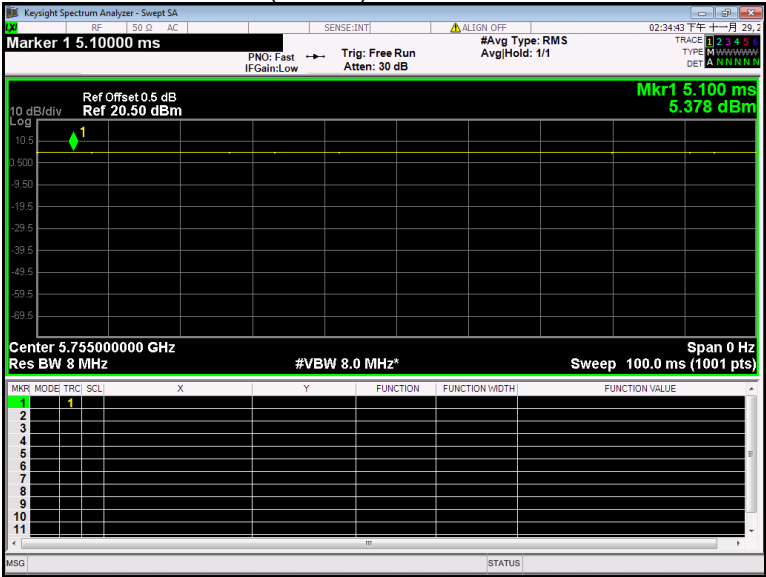
802.11n(HT40) U-NII-3 Low channel



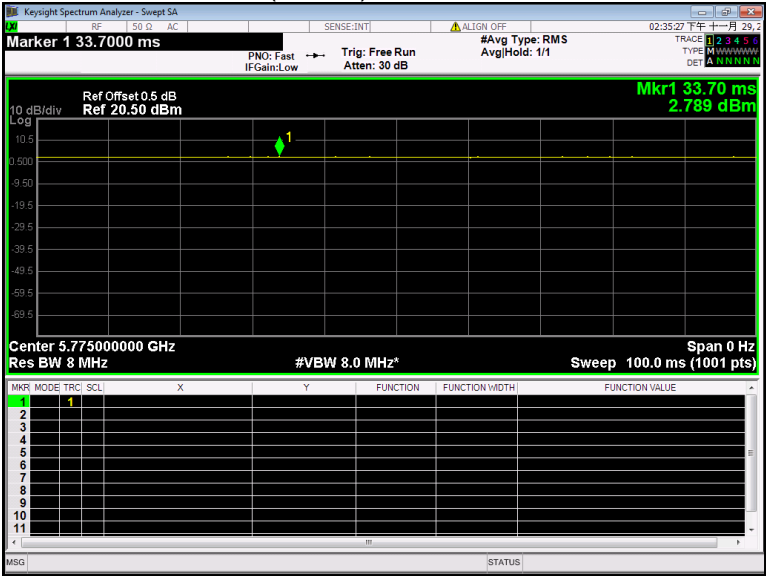
802.11ac(VHT20) U-NII-3 Low channel



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 (dBμV)	
	Quasi-peak	Average
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

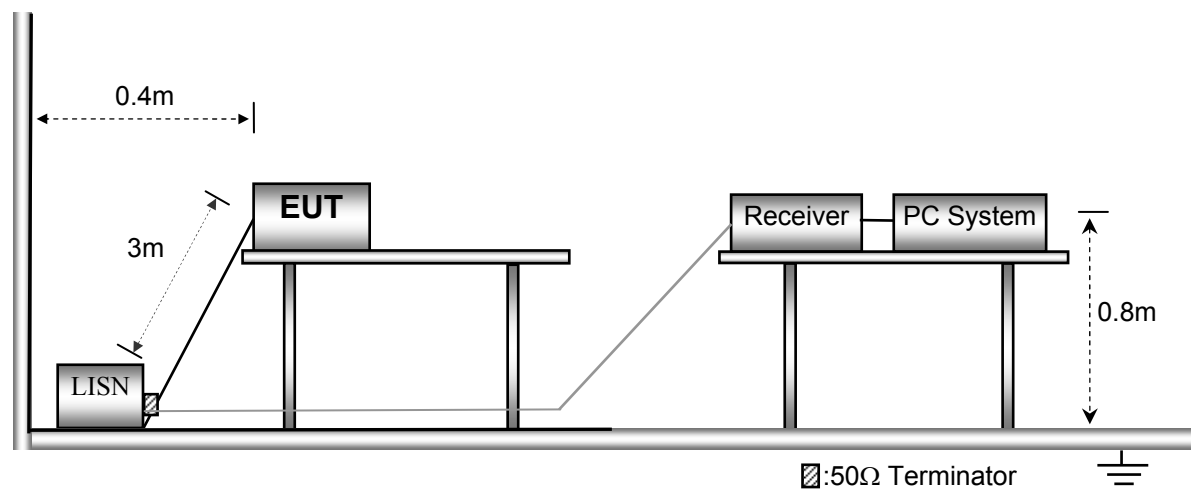
8.1 **E.U.T. Operation**

Operating Environment :
Temperature: 24.5°C
Humidity: 38.7%RH
Atmospheric Pressure: 101.6kPa

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.



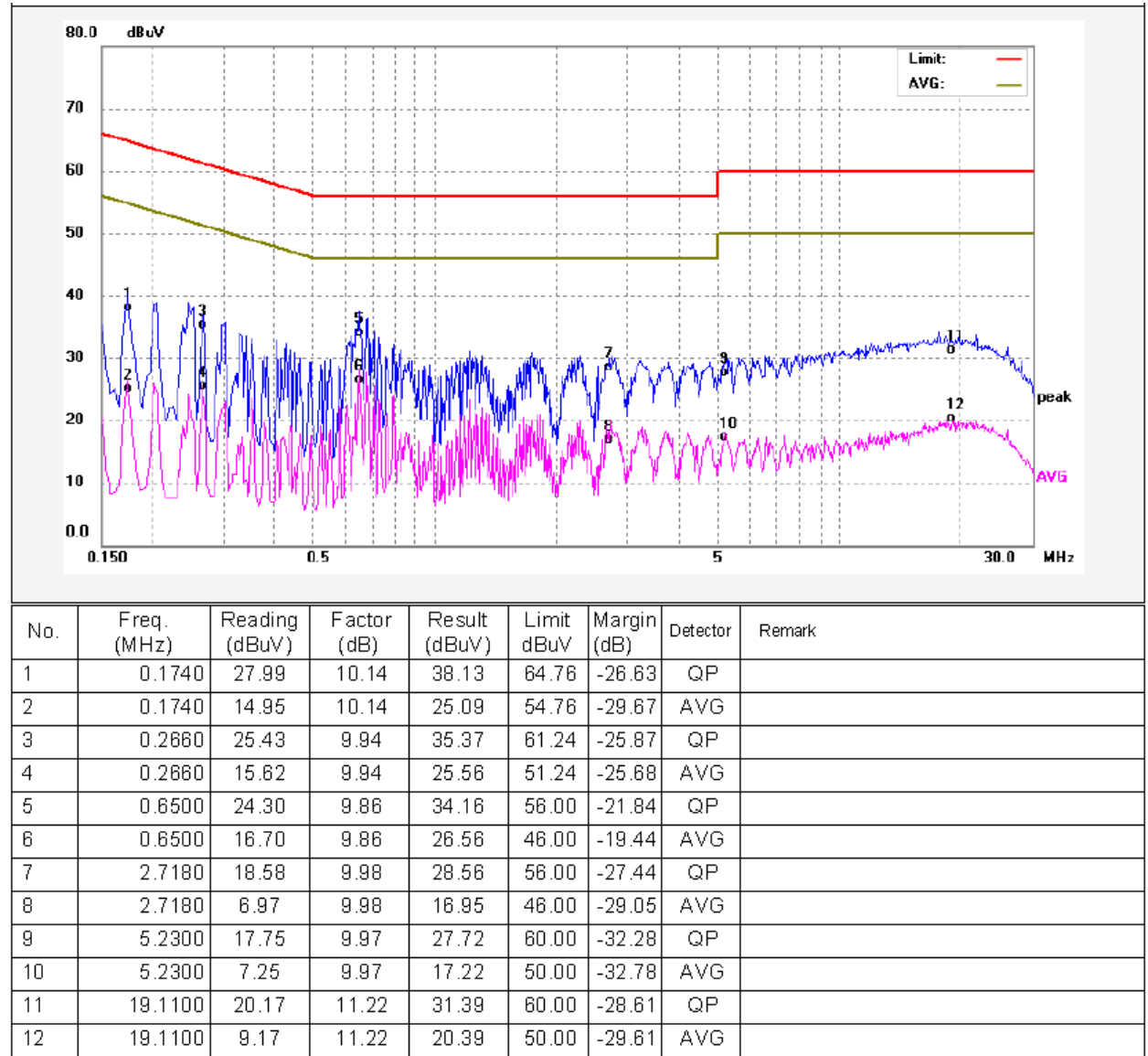
8.3 **Measurement Description**

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.

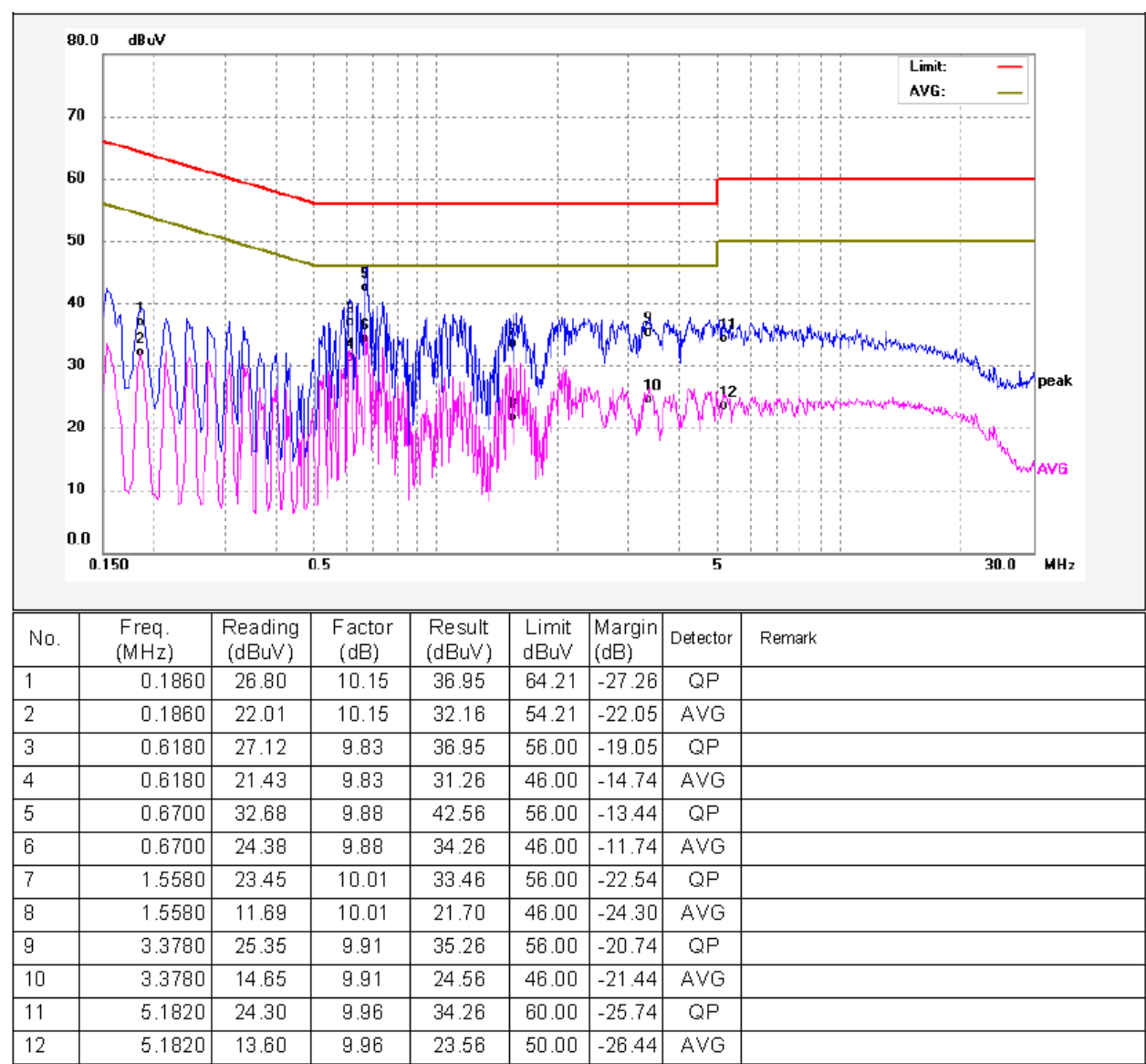
8.4 Conducted Emission Test Result

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: 27.1 °C

Humidity: 41.5 % RH

Atmospheric Pressure: 101.1kPa

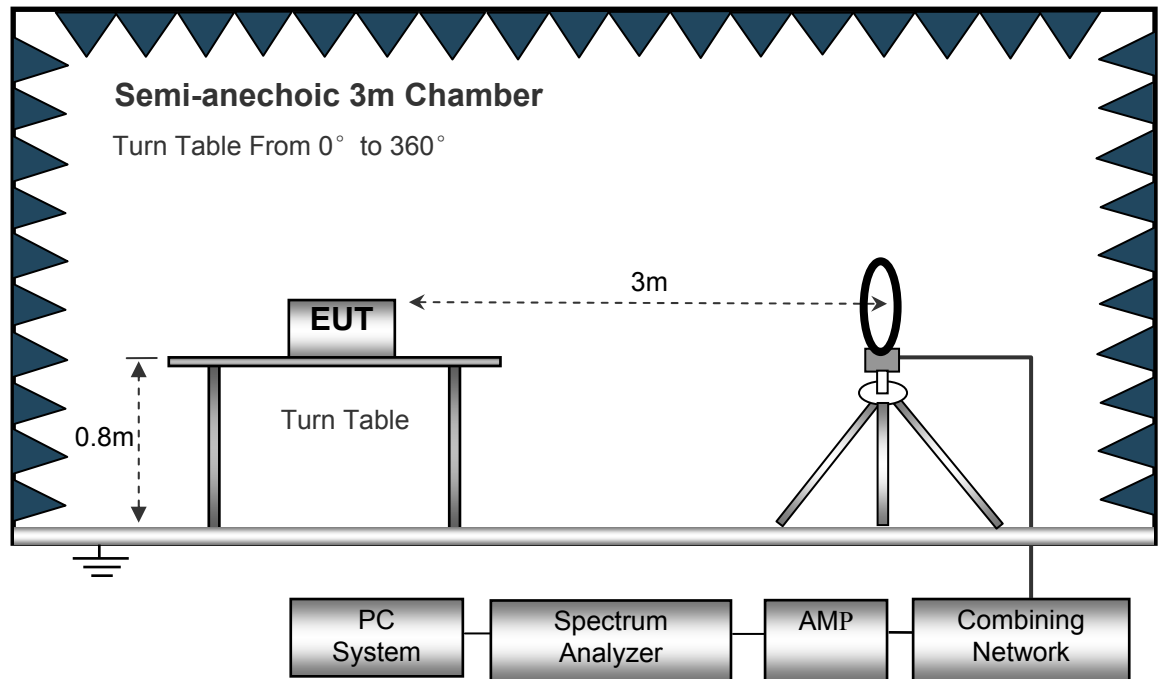
EUT Operation :

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

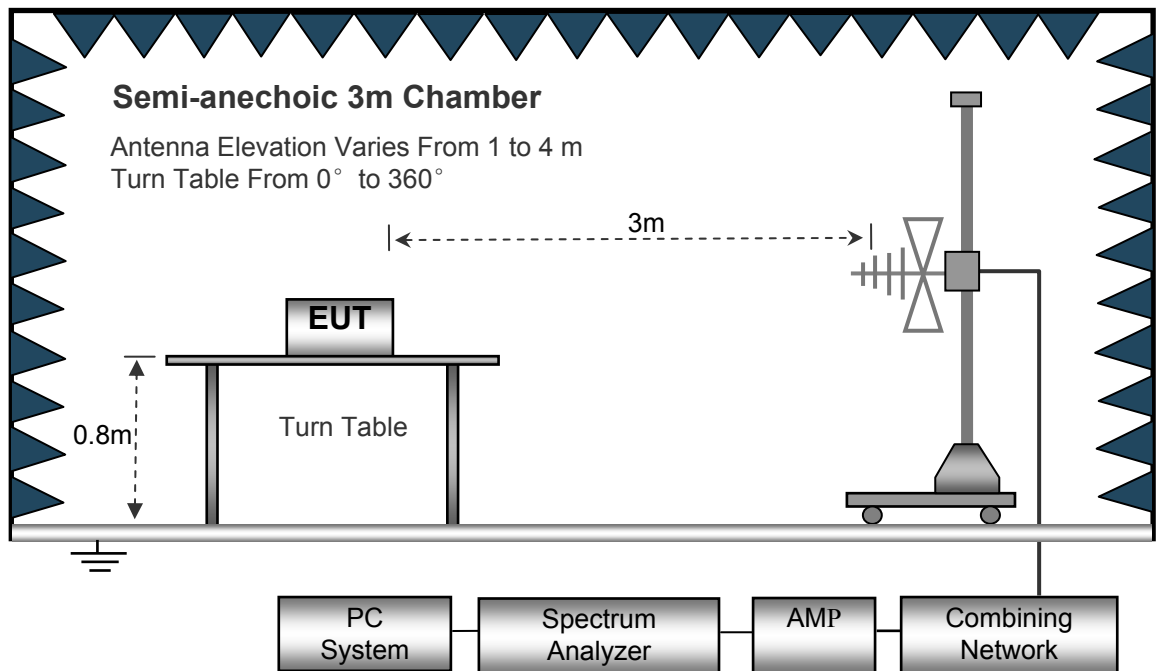
9.2 Test Setup

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

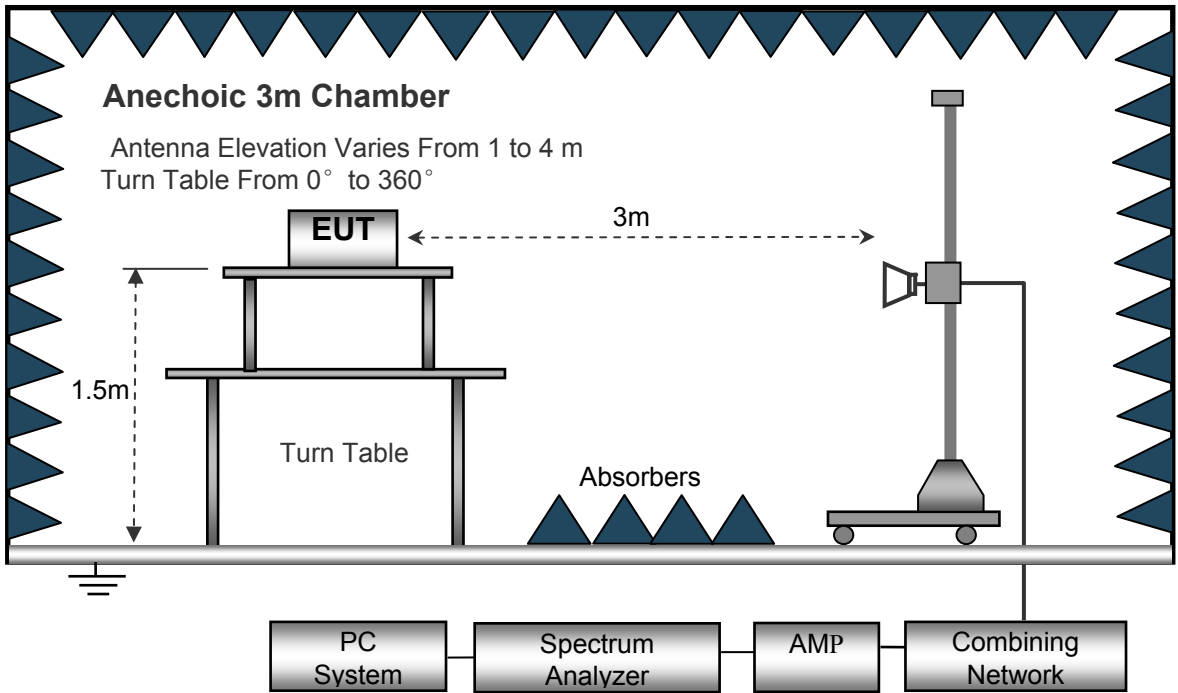
The test setup for emission measurement below 30MHz.



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									
218.88	47.38	QP	254	1.5	H	-11.62	35.76	46.00	-10.24
218.88	43.96	QP	274	1.9	V	-11.62	32.34	46.00	-13.66
4508.48	58.71	PK	35	1.8	H	-2.03	56.68	74.00	-17.32
4508.48	43.86	Ave	35	1.8	H	-2.03	41.83	54.00	-12.17
5144.80	49.47	PK	354	1.4	H	-1.02	48.45	74.00	-25.55
5144.80	39.64	Ave	354	1.4	H	-1.02	38.62	54.00	-15.38
10360.00	41.45	PK	51	1.1	H	5.33	46.78	74.00	-27.22
10360.00	29.65	Ave	51	1.1	H	5.33	34.98	54.00	-19.02
802.11a U-NII-1 Middle channel 5200MHz									
218.88	47.02	QP	28	1.4	H	-11.62	35.40	46.00	-10.60
218.88	43.49	QP	294	1.2	V	-11.62	31.87	46.00	-14.13
4503.55	58.51	PK	286	1.4	H	-1.94	56.57	74.00	-17.43
4503.55	42.89	Ave	286	1.4	H	-1.94	40.95	54.00	-13.05
5134.67	49.92	PK	57	1.4	H	-1.06	48.86	74.00	-25.14
5134.67	38.75	Ave	57	1.4	H	-1.06	37.69	54.00	-16.31
10400.00	40.61	PK	36	1.5	H	5.21	45.82	74.00	-28.18
10400.00	28.85	Ave	36	1.5	H	5.21	34.06	54.00	-19.94

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)
802.11a U-NII-1 High channel 5240MHz									
218.88	45.60	QP	352	1.7	H	-11.62	33.98	46.00	-12.02
218.88	43.41	QP	300	1.3	V	-11.62	31.79	46.00	-14.21
4529.79	57.79	PK	117	1.4	H	-2.24	55.55	74.00	-18.45
4529.79	42.65	Ave	117	1.4	H	-2.24	40.41	54.00	-13.59
5120.15	48.96	PK	12	2.0	H	-1.09	47.87	74.00	-26.13
5120.15	39.21	Ave	12	2.0	H	-1.09	38.12	54.00	-15.88
10480.00	40.19	PK	272	1.3	H	5.14	45.33	74.00	-28.67
10480.00	29.04	Ave	272	1.3	H	5.14	34.18	54.00	-19.82
802.11a U-NII-2A Low Channel 5260MHz									
218.88	45.87	QP	296	1.3	H	-11.62	34.25	46.00	-11.75
218.88	42.28	QP	9	1.8	V	-11.62	30.66	46.00	-15.34
4522.69	54.84	PK	343	1.6	H	-2.03	52.81	74.00	-21.19
4522.69	40.60	Ave	343	1.6	H	-2.03	38.57	54.00	-15.43
5146.15	52.59	PK	147	1.7	H	-1.02	51.57	74.00	-22.43
5146.15	38.62	Ave	147	1.7	H	-1.02	37.60	54.00	-16.40
10520.00	41.10	PK	288	1.4	H	5.33	46.43	74.00	-27.57
10520.00	33.57	Ave	288	1.4	H	5.33	38.90	54.00	-15.10

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									
218.88	44.75	QP	163	1.7	H	-11.62	33.13	46.00	-12.87
218.88	42.11	QP	174	1.2	V	-11.62	30.49	46.00	-15.51
4520.94	54.07	PK	202	1.2	H	-1.94	52.13	74.00	-21.87
4520.94	40.57	Ave	202	1.2	H	-1.94	38.63	54.00	-15.37
5139.78	52.07	PK	198	2.0	H	-1.06	51.01	74.00	-22.99
5139.78	38.04	Ave	198	2.0	H	-1.06	36.98	54.00	-17.02
10560.00	39.99	PK	207	2.0	H	5.21	45.20	74.00	-28.80
10560.00	33.42	Ave	207	2.0	H	5.21	38.63	54.00	-15.37
802.11a U-NII-2A High channel 5320MHz									
218.88	44.33	QP	159	2.0	H	-11.62	32.71	46.00	-13.29
218.88	41.40	QP	321	1.6	V	-11.62	29.78	46.00	-16.22
4537.41	53.64	PK	280	2.0	H	-2.24	51.40	74.00	-22.60
4537.41	40.05	Ave	280	2.0	H	-2.24	37.81	54.00	-16.19
5118.62	52.22	PK	62	1.0	H	-1.09	51.13	74.00	-22.87
5118.62	37.60	Ave	62	1.0	H	-1.09	36.51	54.00	-17.49
10640.00	39.79	PK	308	1.1	H	5.14	44.93	74.00	-29.07
10640.00	32.49	Ave	308	1.1	H	5.14	37.63	54.00	-16.37

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)
802.11a U-NII-2C Low Channel 5500MHz									
218.88	41.72	QP	269	1.4	H	-11.62	30.10	46.00	-15.90
218.88	46.13	QP	72	1.7	V	-11.62	34.51	46.00	-11.49
4505.73	52.74	PK	129	1.4	H	-2.03	50.71	74.00	-23.29
4505.73	39.82	Ave	129	1.4	H	-2.03	37.79	54.00	-16.21
5141.72	53.68	PK	61	1.6	H	-1.02	52.66	74.00	-21.34
5141.72	39.16	Ave	61	1.6	H	-1.02	38.14	54.00	-15.86
11000.00	41.22	PK	309	1.4	H	5.33	46.55	74.00	-27.45
11000.00	37.19	Ave	309	1.4	H	5.33	42.52	54.00	-11.48
802.11a U-NII-2C Middle channel 5580MHz									
218.88	41.12	QP	199	1.7	H	-11.62	29.50	46.00	-16.50
218.88	46.08	QP	5	1.7	V	-11.62	34.46	46.00	-11.54
4527.61	51.55	PK	9	1.9	H	-1.94	49.61	74.00	-24.39
4527.61	38.64	Ave	9	1.9	H	-1.94	36.70	54.00	-17.30
5141.31	53.04	PK	88	1.5	H	-1.06	51.98	74.00	-22.02
5141.31	38.31	Ave	88	1.5	H	-1.06	37.25	54.00	-16.75
11200.00	40.68	PK	84	1.5	H	5.21	45.89	74.00	-28.11
11200.00	36.87	Ave	84	1.5	H	5.21	42.08	54.00	-11.92

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-2C High channel 5700MHz									
218.88	40.90	QP	106	1.4	H	-11.62	29.28	46.00	-16.72
218.88	45.63	QP	203	1.6	V	-11.62	34.01	46.00	-11.99
4505.60	50.07	PK	205	2.0	H	-2.24	47.83	74.00	-26.17
4505.60	38.09	Ave	205	2.0	H	-2.24	35.85	54.00	-18.15
5143.87	53.25	PK	33	1.7	H	-1.09	52.16	74.00	-21.84
5143.87	38.78	Ave	33	1.7	H	-1.09	37.69	54.00	-16.31
11400.00	40.95	PK	259	2.0	H	5.14	46.09	74.00	-27.91
11400.00	36.56	Ave	259	2.0	H	5.14	41.70	54.00	-12.30
802.11a U-NII-3 Low Channel 5745MHz									
218.88	44.62	QP	69	1.6	H	-11.62	33.00	46.00	-13.00
218.88	40.95	QP	73	1.8	V	-11.62	29.33	46.00	-16.67
4505.04	57.00	PK	102	1.1	H	-2.06	54.94	74.00	-19.06
4505.04	41.79	Ave	102	1.1	H	-2.06	39.73	54.00	-14.27
5383.33	45.13	PK	296	1.3	H	-1.25	43.88	74.00	-30.12
5383.33	38.28	Ave	296	1.3	H	-1.25	37.03	54.00	-16.97
11490.00	41.52	PK	298	1.8	H	5.93	47.45	74.00	-26.55
11490.00	27.94	Ave	298	1.8	H	5.93	33.87	54.00	-20.13

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									
218.88	43.32	QP	324	1.4	H	-11.62	31.70	46.00	-14.30
218.88	39.55	QP	82	1.5	V	-11.62	27.93	46.00	-18.07
4505.25	56.29	PK	318	1.1	H	-2.03	54.26	74.00	-19.74
4505.25	41.73	Ave	318	1.1	H	-2.03	39.70	54.00	-14.30
5369.09	46.80	PK	281	1.2	H	-1.22	45.58	74.00	-28.42
5369.09	38.10	Ave	281	1.2	H	-1.22	36.88	54.00	-17.12
11570.00	41.81	PK	251	1.7	H	5.81	47.62	74.00	-26.38
11570.00	28.80	Ave	251	1.7	H	5.81	34.61	54.00	-19.39
802.11a U-NII-3 High channel 5825MHz									
218.88	42.48	QP	166	1.8	H	-11.62	30.86	46.00	-15.14
218.88	38.39	QP	357	1.3	V	-11.62	26.77	46.00	-19.23
4503.59	55.89	PK	296	1.6	H	-1.84	54.05	74.00	-19.95
4503.59	40.52	Ave	296	1.6	H	-1.84	38.68	54.00	-15.32
5359.37	45.12	PK	149	1.1	H	-1.30	43.82	74.00	-30.18
5359.37	39.61	Ave	149	1.1	H	-1.30	38.31	54.00	-15.69
11650.00	41.61	PK	334	1.8	H	5.84	47.45	74.00	-26.55
11650.00	28.62	Ave	334	1.8	H	5.84	34.46	54.00	-19.54

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									
218.88	42.21	QP	200	1.7	H	-11.62	30.59	46.00	-15.41
218.88	37.56	QP	113	1.5	V	-11.62	25.94	46.00	-20.06
4511.06	54.87	PK	142	1.6	H	-2.14	52.73	74.00	-21.27
4511.06	39.65	Ave	142	1.6	H	-2.14	37.51	54.00	-16.49
5117.27	44.83	PK	37	1.6	H	-1.06	43.77	74.00	-30.23
5117.27	36.98	Ave	37	1.6	H	-1.06	35.92	54.00	-18.08
10360.00	40.85	PK	49	1.9	H	5.33	46.18	74.00	-27.82
10360.00	28.52	Ave	49	1.9	H	5.33	33.85	54.00	-20.15
802.11n(HT20) U-NII-1 Middle channel 5200MHz									
218.88	41.59	QP	338	1.2	H	-11.62	29.97	46.00	-16.03
218.88	36.80	QP	262	1.9	V	-11.62	25.18	46.00	-20.82
4508.92	54.45	PK	301	1.5	H	-2.12	52.33	74.00	-21.67
4508.92	38.75	Ave	301	1.5	H	-2.12	36.63	54.00	-17.37
5114.17	44.47	PK	48	2.0	H	-1.06	43.41	74.00	-30.59
5114.17	36.04	Ave	48	2.0	H	-1.06	34.98	54.00	-19.02
10400.00	41.09	PK	40	1.2	H	5.21	46.30	74.00	-27.70
10400.00	27.86	Ave	40	1.2	H	5.21	33.07	54.00	-20.93

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)
802.11n(HT20) U-NII-1 High channel 5240MHz									
218.88	42.93	QP	128	1.9	H	-11.62	31.31	46.00	-14.69
218.88	37.82	QP	158	1.3	V	-11.62	26.20	46.00	-19.80
4527.82	53.15	PK	31	1.6	H	-1.96	51.19	74.00	-22.81
4527.82	38.04	Ave	31	1.6	H	-1.96	36.08	54.00	-17.92
5115.80	45.60	PK	168	1.5	H	-1.06	44.54	74.00	-29.46
5115.80	37.19	Ave	168	1.5	H	-1.06	36.13	54.00	-17.87
10480.00	41.62	PK	209	1.5	H	5.14	46.76	74.00	-27.24
10480.00	30.40	Ave	209	1.5	H	5.14	35.54	54.00	-18.46
802.11n(HT20) U-NII-2A Low Channel 5260MHz									
218.88	43.93	QP	131	1.2	H	-11.62	32.31	46.00	-13.69
218.88	43.69	QP	304	1.1	V	-11.62	32.07	46.00	-13.93
4527.86	52.15	PK	18	1.1	H	-2.03	50.12	74.00	-23.88
4527.86	41.98	Ave	18	1.1	H	-2.03	39.95	54.00	-14.05
5135.34	54.01	PK	64	1.1	H	-1.02	52.99	74.00	-21.01
5135.34	38.23	Ave	64	1.1	H	-1.02	37.21	54.00	-16.79
10520.00	45.65	PK	14	1.3	H	5.33	50.98	74.00	-23.02
10520.00	32.48	Ave	14	1.3	H	5.33	37.81	54.00	-16.19

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									
218.88	43.63	QP	111	1.2	H	-11.62	32.01	46.00	-13.99
218.88	42.38	QP	17	1.5	V	-11.62	30.76	46.00	-15.24
4503.41	52.50	PK	102	1.7	H	-1.94	50.56	74.00	-23.44
4503.41	40.50	Ave	102	1.7	H	-1.94	38.56	54.00	-15.44
5123.70	55.01	PK	152	1.6	H	-1.06	53.95	74.00	-20.05
5123.70	37.56	Ave	152	1.6	H	-1.06	36.50	54.00	-17.50
10560.00	44.25	PK	61	1.0	H	5.21	49.46	74.00	-24.54
10560.00	32.30	Ave	61	1.0	H	5.21	37.51	54.00	-16.49
802.11n(HT20) U-NII-2A High channel 5320MHz									
218.88	41.54	QP	322	1.1	H	-11.62	29.92	46.00	-16.08
218.88	41.18	QP	190	1.9	V	-11.62	29.56	46.00	-16.44
4530.15	51.11	PK	64	1.7	H	-2.24	48.87	74.00	-25.13
4530.15	40.06	Ave	64	1.7	H	-2.24	37.82	54.00	-16.18
5114.20	55.03	PK	327	1.2	H	-1.09	53.94	74.00	-20.06
5114.20	37.30	Ave	327	1.2	H	-1.09	36.21	54.00	-17.79
10640.00	45.30	PK	252	1.6	H	5.14	50.44	74.00	-23.56
10640.00	31.13	Ave	252	1.6	H	5.14	36.27	54.00	-17.73

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)
802.11n(HT20) U-NII-2C Low Channel 5500MHz									
218.88	41.49	QP	9	1.3	H	-11.62	29.87	46.00	-16.13
218.88	42.75	QP	177	1.8	V	-11.62	31.13	46.00	-14.87
4518.88	55.39	PK	350	1.5	H	-2.03	53.36	74.00	-20.64
4518.88	32.16	Ave	350	1.5	H	-2.03	30.13	54.00	-23.87
5122.67	46.09	PK	12	1.1	H	-1.02	45.07	74.00	-28.93
5122.67	36.88	Ave	12	1.1	H	-1.02	35.86	54.00	-18.14
11000.00	48.10	PK	334	1.9	H	5.33	53.43	74.00	-20.57
11000.00	35.42	Ave	334	1.9	H	5.33	40.75	54.00	-13.25
802.11n(HT20) U-NII-2C Middle channel 5580MHz									
218.88	40.69	QP	64	1.6	H	-11.62	29.07	46.00	-16.93
218.88	43.88	QP	215	1.6	V	-11.62	32.26	46.00	-13.74
4531.16	55.66	PK	85	1.3	H	-1.94	53.72	74.00	-20.28
4531.16	32.34	Ave	85	1.3	H	-1.94	30.40	54.00	-23.60
5129.06	46.03	PK	270	1.4	H	-1.06	44.97	74.00	-29.03
5129.06	36.00	Ave	270	1.4	H	-1.06	34.94	54.00	-19.06
11200.00	47.57	PK	141	1.6	H	5.21	52.78	74.00	-21.22
11200.00	34.82	Ave	141	1.6	H	5.21	40.03	54.00	-13.97

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									
218.88	39.25	QP	62	1.9	H	-11.62	27.63	46.00	-18.37
218.88	43.22	QP	132	1.8	V	-11.62	31.60	46.00	-14.40
4515.74	54.65	PK	282	1.2	H	-2.24	52.41	74.00	-21.59
4515.74	33.27	Ave	282	1.2	H	-2.24	31.03	54.00	-22.97
5146.32	47.92	PK	289	1.5	H	-1.09	46.83	74.00	-27.17
5146.32	35.98	Ave	289	1.5	H	-1.09	34.89	54.00	-19.11
11400.00	47.51	PK	213	1.1	H	5.14	52.65	74.00	-21.35
11400.00	35.59	Ave	213	1.1	H	5.14	40.73	54.00	-13.27
802.11n(HT20) U-NII-3 Low Channel 5745MHz									
218.88	33.38	QP	19	1.7	H	-11.62	21.76	46.00	-24.24
218.88	37.98	QP	271	1.8	V	-11.62	26.36	46.00	-19.64
4500.09	57.77	PK	183	1.9	H	-2.06	55.71	74.00	-18.29
4500.09	46.39	Ave	183	1.9	H	-2.06	44.33	54.00	-9.67
5361.04	46.48	PK	305	1.2	H	-1.25	45.23	74.00	-28.77
5361.04	37.09	Ave	305	1.2	H	-1.25	35.84	54.00	-18.16
11490.00	43.10	PK	44	1.1	H	5.93	49.03	74.00	-24.97
11490.00	35.51	Ave	44	1.1	H	5.93	41.44	54.00	-12.56

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									
218.88	36.63	QP	295	1.3	H	-11.62	25.01	46.00	-20.99
218.88	42.10	QP	343	1.4	V	-11.62	30.48	46.00	-15.52
4526.82	59.51	PK	40	1.4	H	-2.03	57.48	74.00	-16.52
4526.82	45.84	Ave	40	1.4	H	-2.03	43.81	54.00	-10.19
5360.71	46.28	PK	110	1.1	H	-1.22	45.06	74.00	-28.94
5360.71	38.28	Ave	110	1.1	H	-1.22	37.06	54.00	-16.94
11570.00	50.60	PK	127	1.7	H	5.81	56.41	74.00	-17.59
11570.00	36.89	Ave	127	1.7	H	5.81	42.70	54.00	-11.30
802.11n(HT20) U-NII-3 High channel 5825MHz									
218.88	37.08	QP	27	1.6	H	-11.62	25.46	46.00	-20.54
218.88	42.88	QP	103	1.2	V	-11.62	31.26	46.00	-14.74
4503.90	57.24	PK	138	1.1	H	-1.84	55.40	74.00	-18.60
4503.90	42.16	Ave	138	1.1	H	-1.84	40.32	54.00	-13.68
5370.27	46.39	PK	99	1.8	H	-1.30	45.09	74.00	-28.91
5370.27	38.75	Ave	99	1.8	H	-1.30	37.45	54.00	-16.55
11650.00	49.41	PK	45	1.7	H	5.84	55.25	74.00	-18.75
11650.00	38.95	Ave	45	1.7	H	5.84	44.79	54.00	-9.21

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									
218.88	36.67	QP	296	2.0	H	-11.62	25.05	46.00	-20.95
218.88	43.67	QP	40	1.9	V	-11.62	32.05	46.00	-13.95
4520.16	46.99	PK	205	1.4	H	-1.86	45.13	74.00	-28.87
4520.16	39.46	Ave	205	1.4	H	-1.86	37.60	54.00	-16.40
5138.85	42.96	PK	285	1.6	H	-1.06	41.90	74.00	-32.10
5138.85	37.95	Ave	285	1.6	H	-1.06	36.89	54.00	-17.11
10360.00	46.79	PK	193	1.3	H	5.33	52.12	74.00	-21.88
10360.00	39.97	Ave	193	1.3	H	5.33	45.30	54.00	-8.70
802.11ac(VHT20) U-NII-1 Middle channel 5200MHz									
218.88	36.49	QP	231	1.7	H	-11.62	24.87	46.00	-21.13
218.88	44.36	QP	332	1.8	V	-11.62	32.74	46.00	-13.26
4537.76	47.00	PK	191	1.3	H	-1.82	45.18	74.00	-28.82
4537.76	39.65	Ave	191	1.3	H	-1.82	37.83	54.00	-16.17
5139.28	44.64	PK	67	1.2	H	-1.06	43.58	74.00	-30.42
5139.28	39.56	Ave	67	1.2	H	-1.06	38.50	54.00	-15.50
10400.00	41.61	PK	215	1.6	H	5.21	46.82	74.00	-27.18
10400.00	29.82	Ave	215	1.6	H	5.21	35.03	54.00	-18.97

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									
218.88	35.79	QP	282	1.8	H	-11.62	24.17	46.00	-21.83
218.88	43.90	QP	216	1.4	V	-11.62	32.28	46.00	-13.72
4533.13	46.27	PK	48	2.0	H	-1.81	44.46	74.00	-29.54
4533.13	39.10	Ave	48	2.0	H	-1.81	37.29	54.00	-16.71
5145.43	44.25	PK	352	1.1	H	-1.06	43.19	74.00	-30.81
5145.43	39.64	Ave	352	1.1	H	-1.06	38.58	54.00	-15.42
10480.00	40.86	PK	346	1.4	H	5.14	46.00	74.00	-28.00
10480.00	29.61	Ave	346	1.4	H	5.14	34.75	54.00	-19.25
802.11ac(VHT20) U-NII-2A Low Channel 5260MHz									
218.88	45.14	QP	202	1.7	H	-11.62	33.52	46.00	-12.48
218.88	40.25	QP	35	1.6	V	-11.62	28.63	46.00	-17.37
4532.40	41.52	PK	219	1.2	H	-2.03	39.49	74.00	-34.51
4532.40	28.36	Ave	219	1.2	H	-2.03	26.33	54.00	-27.67
5113.44	44.44	PK	195	1.2	H	-1.02	43.42	74.00	-30.58
5113.44	38.62	Ave	195	1.2	H	-1.02	37.60	54.00	-16.40
10520.00	44.85	PK	301	1.8	H	5.33	50.18	74.00	-23.82
10520.00	37.73	Ave	301	1.8	H	5.33	43.06	54.00	-10.94

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)
802.11ac(VHT20) U-NII-2A middle channel 5280MHz									
218.88	44.59	QP	114	1.7	H	-11.62	32.97	46.00	-13.03
218.88	40.79	QP	128	1.1	V	-11.62	29.17	46.00	-16.83
4532.38	40.05	PK	113	1.9	H	-1.94	38.11	74.00	-35.89
4532.38	28.75	Ave	113	1.9	H	-1.94	26.81	54.00	-27.19
5119.40	45.59	PK	309	1.3	H	-1.06	44.53	74.00	-29.47
5119.40	38.43	Ave	309	1.3	H	-1.06	37.37	54.00	-16.63
10560.00	46.04	PK	314	1.9	H	5.21	51.25	74.00	-22.75
10560.00	37.35	Ave	314	1.9	H	5.21	42.56	54.00	-11.44
802.11ac(VHT20) U-NII-2A High channel 5320MHz									
218.88	44.77	QP	334	1.9	H	-11.62	33.15	46.00	-12.85
218.88	41.95	QP	61	1.8	V	-11.62	30.33	46.00	-15.67
4514.85	39.73	PK	97	1.6	H	-2.24	37.49	74.00	-36.51
4514.85	28.94	Ave	97	1.6	H	-2.24	26.70	54.00	-27.30
5131.07	45.24	PK	96	1.1	H	-1.09	44.15	74.00	-29.85
5131.07	39.08	Ave	96	1.1	H	-1.09	37.99	54.00	-16.01
10640.00	43.65	PK	67	1.0	H	5.14	48.79	74.00	-25.21
10640.00	38.14	Ave	67	1.0	H	5.14	43.28	54.00	-10.72

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									
218.88	40.40	QP	10	1.8	H	-11.62	28.78	46.00	-17.22
218.88	38.99	QP	34	1.3	V	-11.62	27.37	46.00	-18.63
4529.50	48.22	PK	51	1.5	H	-2.03	46.19	74.00	-27.81
4529.50	39.15	Ave	51	1.5	H	-2.03	37.12	54.00	-16.88
5116.78	46.59	PK	328	1.5	H	-1.02	45.57	74.00	-28.43
5116.78	36.94	Ave	328	1.5	H	-1.02	35.92	54.00	-18.08
11000.00	39.37	PK	328	1.9	H	5.33	44.70	74.00	-29.30
11000.00	33.45	Ave	328	1.9	H	5.33	38.78	54.00	-15.22
802.11ac(VHT20) U-NII-2C Middle channel 5580MHz									
218.88	40.36	QP	270	1.5	H	-11.62	28.74	46.00	-17.26
218.88	41.78	QP	298	1.4	V	-11.62	30.16	46.00	-15.84
4512.40	44.92	PK	277	1.4	H	-1.94	42.98	74.00	-31.02
4512.40	39.77	Ave	277	1.4	H	-1.94	37.83	54.00	-16.17
5139.52	50.02	PK	214	1.3	H	-1.06	48.96	74.00	-25.04
5139.52	39.80	Ave	214	1.3	H	-1.06	38.74	54.00	-15.26
11200.00	41.36	PK	181	1.5	H	5.21	46.57	74.00	-27.43
11200.00	39.45	Ave	181	1.5	H	5.21	44.66	54.00	-9.34

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)
802.11ac(VHT20) U-NII-2C High channel 5700MHz									
218.88	43.37	QP	141	1.0	H	-11.62	31.75	46.00	-14.25
218.88	42.18	QP	344	1.1	V	-11.62	30.56	46.00	-15.44
4532.65	40.38	PK	69	1.4	H	-2.24	38.14	74.00	-35.86
4532.65	38.12	Ave	69	1.4	H	-2.24	35.88	54.00	-18.12
5142.38	46.87	PK	114	1.7	H	-1.09	45.78	74.00	-28.22
5142.38	43.06	Ave	114	1.7	H	-1.09	41.97	54.00	-12.03
11400.00	40.30	PK	103	1.6	H	5.14	45.44	74.00	-28.56
11400.00	39.53	Ave	103	1.6	H	5.14	44.67	54.00	-9.33
802.11ac(VHT20) U-NII-3 Low Channel 5745MHz									
218.88	30.01	QP	48	1.5	H	-11.62	18.39	46.00	-27.61
218.88	42.02	QP	54	1.9	V	-11.62	30.40	46.00	-15.60
4510.12	39.63	PK	69	1.9	H	-1.92	37.71	74.00	-36.29
4510.12	33.57	Ave	69	1.9	H	-1.92	31.65	54.00	-22.35
5362.89	46.29	PK	353	1.9	H	-1.03	45.26	74.00	-28.74
5362.89	39.75	Ave	353	1.9	H	-1.03	38.72	54.00	-15.28
11490.00	39.68	PK	275	1.6	H	5.93	45.61	74.00	-28.39
11490.00	27.38	Ave	275	1.6	H	5.93	33.31	54.00	-20.69

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(VHT20) U-NII-3 middle channel 5785MHz									
218.88	29.09	QP	151	1.2	H	-11.62	17.47	46.00	-28.53
218.88	42.66	QP	264	1.4	V	-11.62	31.04	46.00	-14.96
4537.07	40.29	PK	27	1.5	H	-1.97	38.32	74.00	-35.68
4537.07	32.74	Ave	27	1.5	H	-1.97	30.77	54.00	-23.23
5356.36	46.61	PK	352	1.5	H	-1.05	45.56	74.00	-28.44
5356.36	38.58	Ave	352	1.5	H	-1.05	37.53	54.00	-16.47
11570.00	41.29	PK	101	1.1	H	5.81	47.10	74.00	-26.90
11570.00	30.79	Ave	101	1.1	H	5.81	36.60	54.00	-17.40
802.11ac(VHT20) U-NII-3 High channel 5825MHz									
218.88	28.13	QP	168	1.6	H	-11.62	16.51	46.00	-29.49
218.88	42.47	QP	44	1.3	V	-11.62	30.85	46.00	-15.15
4504.62	40.38	PK	107	1.5	H	-1.88	38.50	74.00	-35.50
4504.62	32.14	Ave	107	1.5	H	-1.88	30.26	54.00	-23.74
5381.14	46.05	PK	55	1.3	H	-1.06	44.99	74.00	-29.01
5381.14	39.74	Ave	55	1.3	H	-1.06	38.68	54.00	-15.32
11650.00	41.12	PK	25	1.5	H	5.84	46.96	74.00	-27.04
11650.00	29.17	Ave	25	1.5	H	5.84	35.01	54.00	-18.99

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									
218.88	34.90	QP	82	1.5	H	-11.62	23.28	46.00	-22.72
218.88	42.14	QP	203	2.0	V	-11.62	30.52	46.00	-15.48
4512.07	54.84	PK	112	1.7	H	-1.89	52.95	74.00	-21.05
4512.07	38.57	Ave	112	1.7	H	-1.89	36.68	54.00	-17.32
5132.26	46.29	PK	310	1.1	H	-1.06	45.23	74.00	-28.77
5132.26	40.13	Ave	310	1.1	H	-1.06	39.07	54.00	-14.93
10380.00	39.79	PK	134	1.8	H	5.26	45.05	74.00	-28.95
10380.00	27.56	Ave	134	1.8	H	5.26	32.82	54.00	-21.18
802.11n(HT40) U-NII-1 High channel 5230MHz									
218.88	35.54	QP	152	1.3	H	-11.62	23.92	46.00	-22.08
218.88	42.97	QP	155	1.5	V	-11.62	31.35	46.00	-14.65
4525.87	54.67	PK	300	1.3	H	-1.94	52.73	74.00	-21.27
4525.87	38.07	Ave	300	1.3	H	-1.94	36.13	54.00	-17.87
5147.83	47.36	PK	81	1.7	H	-1.06	46.30	74.00	-27.70
5147.83	39.35	Ave	81	1.7	H	-1.06	38.29	54.00	-15.71
10460.00	42.59	PK	119	1.3	H	5.28	47.87	74.00	-26.13
10460.00	30.32	Ave	119	1.3	H	5.28	35.60	54.00	-18.40

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-2A Low Channel 5270MHz									
218.88	35.94	QP	332	1.4	H	-11.62	24.32	46.00	-21.68
218.88	42.86	QP	245	1.9	V	-11.62	31.24	46.00	-14.76
4532.66	54.02	PK	71	1.5	H	-1.89	52.13	74.00	-21.87
4532.66	40.84	Ave	71	1.5	H	-1.89	38.95	54.00	-15.05
5149.76	45.44	PK	229	1.0	H	-1.06	44.38	74.00	-29.62
5149.76	37.87	Ave	229	1.0	H	-1.06	36.81	54.00	-17.19
10540.00	44.49	PK	310	1.3	H	5.26	49.75	74.00	-24.25
10540.00	38.25	Ave	310	1.3	H	5.26	43.51	54.00	-10.49
802.11n(HT40) U-NII-2A High channel 5310MHz									
218.88	36.35	QP	227	1.1	H	-11.62	24.73	46.00	-21.27
218.88	43.33	QP	187	1.6	V	-11.62	31.71	46.00	-14.29
4534.04	53.45	PK	332	1.1	H	-1.94	51.51	74.00	-22.49
4534.04	40.11	Ave	332	1.1	H	-1.94	38.17	54.00	-15.83
5116.21	44.48	PK	24	1.0	H	-1.06	43.42	74.00	-30.58
5116.21	37.91	Ave	24	1.0	H	-1.06	36.85	54.00	-17.15
10620.00	41.50	PK	321	1.9	H	5.28	46.78	74.00	-27.22
10620.00	30.17	Ave	321	1.9	H	5.28	35.45	54.00	-18.55

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)
802.11n(HT40) U-NII-2C Low Channel 5510MHz									
218.88	37.30	QP	252	2.0	H	-11.62	25.68	46.00	-20.32
218.88	44.09	QP	249	1.8	V	-11.62	32.47	46.00	-13.53
4532.68	50.74	PK	120	1.5	H	-1.89	48.85	74.00	-25.15
4532.68	38.80	Ave	120	1.5	H	-1.89	36.91	54.00	-17.09
5116.74	55.85	PK	31	1.6	H	-1.06	54.79	74.00	-19.21
5116.74	36.90	Ave	31	1.6	H	-1.06	35.84	54.00	-18.16
11020.00	41.85	PK	316	1.6	H	5.26	47.11	74.00	-26.89
11020.00	36.24	Ave	316	1.6	H	5.26	41.50	54.00	-12.50
802.11n(HT40) U-NII-2C Middle channel 5550MHz									
218.88	37.38	QP	123	1.3	H	-11.62	25.76	46.00	-20.24
218.88	44.92	QP	7	1.7	V	-11.62	33.30	46.00	-12.70
4527.98	51.29	PK	318	1.9	H	-1.94	49.35	74.00	-24.65
4527.98	38.60	Ave	318	1.9	H	-1.94	36.66	54.00	-17.34
5144.24	57.06	PK	311	1.4	H	-1.06	56.00	74.00	-18.00
5144.24	38.76	Ave	311	1.4	H	-1.06	37.70	54.00	-16.30
11100.00	45.43	PK	46	1.3	H	5.28	50.71	74.00	-23.29
11100.00	38.37	Ave	46	1.3	H	5.28	43.65	54.00	-10.35
802.11n(HT40) U-NII-2C High channel 5670MHz									
218.88	36.65	QP	54	1.5	H	-11.62	25.03	46.00	-20.97
218.88	44.58	QP	21	1.3	V	-11.62	32.96	46.00	-13.04
4500.74	50.41	PK	133	1.6	H	-1.94	48.47	74.00	-25.53
4500.74	38.73	Ave	133	1.6	H	-1.94	36.79	54.00	-17.21
5135.79	57.54	PK	169	1.3	H	-1.06	56.48	74.00	-17.52
5135.79	39.06	Ave	169	1.3	H	-1.06	38.00	54.00	-16.00
11340.00	41.46	PK	190	2.0	H	5.28	46.74	74.00	-27.26
11340.00	33.91	Ave	190	2.0	H	5.28	39.19	54.00	-14.81

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)
802.11n(HT40) U-NII-3 Low Channel 5755MHz									
218.88	35.02	QP	231	1.9	H	-11.62	23.40	46.00	-22.60
218.88	41.84	QP	270	1.6	V	-11.62	30.22	46.00	-15.78
4521.66	52.15	PK	186	1.7	H	-1.96	50.19	74.00	-23.81
4521.66	36.76	Ave	186	1.7	H	-1.96	34.80	54.00	-19.20
5373.69	46.53	PK	156	1.2	H	-1.01	45.52	74.00	-28.48
5373.69	38.54	Ave	156	1.2	H	-1.01	37.53	54.00	-16.47
11510.00	40.70	PK	355	1.8	H	5.88	46.58	74.00	-27.42
11510.00	27.96	Ave	355	1.8	H	5.88	33.84	54.00	-20.16
802.11n(HT40) U-NII-3 High Channel 5795MHz									
218.88	35.06	QP	276	1.5	H	-11.62	23.44	46.00	-22.56
218.88	41.36	QP	110	1.1	V	-11.62	29.74	46.00	-16.26
4530.05	51.28	PK	32	1.5	H	-1.92	49.36	74.00	-24.64
4530.05	35.76	Ave	32	1.5	H	-1.92	33.84	54.00	-20.16
5360.72	46.37	PK	148	1.9	H	-1.04	45.33	74.00	-28.67
5360.72	38.47	Ave	148	1.9	H	-1.04	37.43	54.00	-16.57
11590.00	42.27	PK	150	1.3	H	5.63	47.90	74.00	-26.10
11590.00	30.70	Ave	150	1.3	H	5.63	36.33	54.00	-17.67

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									
218.88	35.50	QP	273	2.0	H	-11.62	23.88	46.00	-22.12
218.88	42.03	QP	72	1.1	V	-11.62	30.41	46.00	-15.59
4507.06	49.24	PK	303	2.0	H	-1.91	47.33	74.00	-26.67
4507.06	34.44	Ave	303	2.0	H	-1.91	32.53	54.00	-21.47
5142.26	45.93	PK	333	1.4	H	-1.06	44.87	74.00	-29.13
5142.26	37.37	Ave	333	1.4	H	-1.06	36.31	54.00	-17.69
10380.00	39.70	PK	111	1.2	H	5.26	44.96	74.00	-29.04
10380.00	27.04	Ave	111	1.2	H	5.26	32.30	54.00	-21.70
802.11ac(VHT40) U-NII-1 High channel 5230MHz									
218.88	36.34	QP	33	1.8	H	-11.62	24.72	46.00	-21.28
218.88	41.60	QP	314	1.7	V	-11.62	29.98	46.00	-16.02
4522.58	48.54	PK	3	1.4	H	-1.93	46.61	74.00	-27.39
4522.58	35.22	Ave	3	1.4	H	-1.93	33.29	54.00	-20.71
5110.16	46.36	PK	87	1.5	H	-1.06	45.30	74.00	-28.70
5110.16	36.88	Ave	87	1.5	H	-1.06	35.82	54.00	-18.18
10460.00	42.37	PK	70	1.3	H	5.28	47.65	74.00	-26.35
10460.00	30.49	Ave	70	1.3	H	5.28	35.77	54.00	-18.23

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									
218.88	37.08	QP	321	1.6	H	-11.62	25.46	46.00	-20.54
218.88	37.46	QP	56	1.2	V	-11.62	25.84	46.00	-20.16
4526.48	42.70	PK	197	1.3	H	-1.89	40.81	74.00	-33.19
4526.48	29.70	Ave	197	1.3	H	-1.89	27.81	54.00	-26.19
5112.25	47.49	PK	240	1.4	H	-1.06	46.43	74.00	-27.57
5112.25	37.75	Ave	240	1.4	H	-1.06	36.69	54.00	-17.31
10540.00	40.44	PK	203	1.9	H	5.26	45.70	74.00	-28.30
10540.00	32.19	Ave	203	1.9	H	5.26	37.45	54.00	-16.55
802.11ac(VHT40) U-NII-2A High channel 5310MHz									
218.88	34.41	QP	10	1.7	H	-11.62	22.79	46.00	-23.21
218.88	38.42	QP	203	1.5	V	-11.62	26.80	46.00	-19.20
4520.47	40.66	PK	59	1.1	H	-1.94	38.72	74.00	-35.28
4520.47	29.49	Ave	59	1.1	H	-1.94	27.55	54.00	-26.45
5130.13	45.54	PK	306	2.0	H	-1.06	44.48	74.00	-29.52
5130.13	41.92	Ave	306	2.0	H	-1.06	40.86	54.00	-13.14
10620.00	38.83	PK	304	1.1	H	5.28	44.11	74.00	-29.89
10620.00	32.68	Ave	304	1.1	H	5.28	37.96	54.00	-16.04

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)
802.11ac(VHT40) U-NII-2C Low Channel 5510MHz									
218.88	38.73	QP	219	1.7	H	-11.62	27.11	46.00	-18.89
218.88	38.58	QP	13	1.0	V	-11.62	26.96	46.00	-19.04
4514.74	41.69	PK	22	1.6	H	-1.89	39.80	74.00	-34.20
4514.74	41.92	Ave	22	1.6	H	-1.89	40.03	54.00	-13.97
5146.70	46.00	PK	74	1.4	H	-1.06	44.94	74.00	-29.06
5146.70	37.72	Ave	74	1.4	H	-1.06	36.66	54.00	-17.34
11020.00	40.79	PK	264	1.5	H	5.26	46.05	74.00	-27.95
11020.00	42.03	Ave	264	1.5	H	5.26	47.29	54.00	-6.71
802.11ac(VHT40) U-NII-2C Middle channel 5550MHz									
218.88	25.63	QP	155	1.7	H	-11.62	14.01	46.00	-31.99
218.88	38.42	QP	90	1.9	V	-11.62	26.80	46.00	-19.20
4525.39	43.39	Ave	136	1.2	H	-1.94	41.45	74.00	-32.55
4525.39	39.58	PK	136	1.2	H	-1.94	37.64	54.00	-16.36
5113.51	48.08	PK	232	1.9	H	-1.06	47.02	74.00	-26.98
5113.51	37.22	Ave	232	1.9	H	-1.06	36.16	54.00	-17.84
11100.00	40.78	PK	180	1.7	H	5.28	46.06	74.00	-27.94
11100.00	37.65	Ave	180	1.7	H	5.28	42.93	54.00	-11.07
802.11ac(VHT40) U-NII-2C High channel 5670MHz									
218.88	31.25	QP	175	1.3	H	-11.62	19.63	46.00	-26.37
218.88	36.39	QP	187	1.1	V	-11.62	24.77	46.00	-21.23
4503.42	40.36	PK	114	1.7	H	-1.94	38.42	74.00	-35.58
4503.42	32.02	Ave	114	1.7	H	-1.94	30.08	54.00	-23.92
5114.14	50.32	PK	238	1.3	H	-1.06	49.26	74.00	-24.74
5114.14	40.13	Ave	238	1.3	H	-1.06	39.07	54.00	-14.93
11340.00	40.65	PK	280	1.4	H	5.28	45.93	74.00	-28.07
11340.00	30.14	Ave	280	1.4	H	5.28	35.42	54.00	-18.58

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									
218.88	29.86	QP	303	1.9	H	-11.62	18.24	46.00	-27.76
218.88	35.73	QP	278	1.5	V	-11.62	24.11	46.00	-21.89
4520.66	43.98	PK	228	1.5	H	-1.92	42.06	74.00	-31.94
4520.66	31.43	Ave	228	1.5	H	-1.92	29.51	54.00	-24.49
5355.27	45.73	PK	150	1.4	H	-1.07	44.66	74.00	-29.34
5355.27	39.32	Ave	150	1.4	H	-1.07	38.25	54.00	-15.75
11510.00	41.12	PK	154	1.4	H	5.88	47.00	74.00	-27.00
11510.00	27.45	Ave	154	1.4	H	5.88	33.33	54.00	-20.67
802.11ac(VHT40) U-NII-3 High Channel 5795MHz									
218.88	29.60	QP	348	1.3	H	-11.62	17.98	46.00	-28.02
218.88	36.50	QP	125	1.5	V	-11.62	24.88	46.00	-21.12
4529.09	44.68	PK	4	1.7	H	-1.86	42.82	74.00	-31.18
4529.09	31.87	Ave	4	1.7	H	-1.86	30.01	54.00	-23.99
5385.95	45.98	PK	340	1.3	H	-1.03	44.95	74.00	-29.05
5385.95	37.16	Ave	340	1.3	H	-1.03	36.13	54.00	-17.87
11590.00	42.99	PK	326	1.9	H	5.63	48.62	74.00	-25.38
11590.00	29.73	Ave	326	1.9	H	5.63	35.36	54.00	-18.64

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(VHT80) U-NII-1 Low Channel 5210MHz									
218.88	37.26	QP	292	1.8	H	-11.62	25.64	46.00	-20.36
218.88	47.72	QP	93	1.1	V	-11.62	36.10	46.00	-9.90
4521.37	40.57	Ave	357	1.6	H	-1.88	38.69	74.00	-35.31
4521.37	37.73	PK	357	1.6	H	-1.88	35.85	54.00	-18.15
5118.65	45.35	Ave	97	2.0	H	-1.06	44.29	74.00	-29.71
5118.65	29.36	PK	97	2.0	H	-1.06	28.30	54.00	-25.70
10420.00	42.42	PK	244	1.6	H	4.65	47.07	74.00	-26.93
10420.00	29.86	Ave	244	1.6	H	4.65	34.51	54.00	-19.49
802.11ac(VHT80) U-NII-2A Low Channel 5290MHz									
218.88	37.55	QP	25	1.0	H	-11.62	25.93	46.00	-20.07
218.88	40.74	QP	132	1.7	V	-11.62	29.12	46.00	-16.88
4530.02	40.15	PK	109	1.4	H	-1.88	38.27	74.00	-35.73
4530.02	28.53	Ave	109	1.4	H	-1.88	26.65	54.00	-27.35
5146.77	47.13	PK	4	1.7	H	-1.06	46.07	74.00	-27.93
5146.77	41.58	Ave	4	1.7	H	-1.06	40.52	54.00	-13.48
10580.00	39.87	PK	300	1.1	H	4.65	44.52	74.00	-29.48
10580.00	29.61	Ave	300	1.1	H	4.65	34.26	54.00	-19.74

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									
218.88	43.41	QP	358	1.6	H	-11.62	31.79	46.00	-14.21
218.88	41.72	QP	303	1.5	V	-11.62	30.10	46.00	-15.90
4538.25	45.11	PK	198	1.2	H	-1.88	43.23	74.00	-30.77
4538.25	29.89	Ave	198	1.2	H	-1.88	28.01	54.00	-25.99
5115.05	42.21	PK	1	1.0	H	-1.06	41.15	74.00	-32.85
5115.05	29.21	Ave	1	1.0	H	-1.06	28.15	54.00	-25.85
11060.00	46.59	PK	75	1.3	H	4.65	51.24	74.00	-22.76
11060.00	37.41	Ave	75	1.3	H	4.65	42.06	54.00	-11.94
802.11ac(VHT80) U-NII-3 Low channel 5775MHz									
218.88	42.90	QP	64	1.1	H	-11.62	31.28	46.00	-14.72
218.88	40.84	QP	29	1.3	V	-11.62	29.22	46.00	-16.78
4538.13	42.20	PK	298	1.8	H	-1.85	40.35	74.00	-33.65
4538.13	35.34	Ave	298	1.8	H	-1.85	33.49	54.00	-20.51
5362.99	46.04	PK	221	1.2	H	-1.14	44.90	74.00	-29.10
5362.99	38.24	Ave	221	1.2	H	-1.14	37.10	54.00	-16.90
11550.00	41.31	PK	354	1.1	H	4.83	46.14	74.00	-27.86
11550.00	29.82	Ave	354	1.1	H	4.83	34.65	54.00	-19.35

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

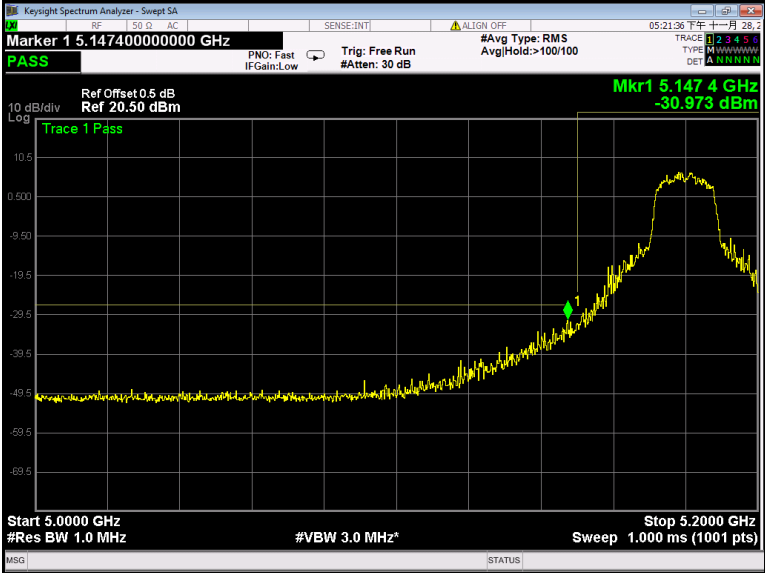
10.1 Test Produce

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.

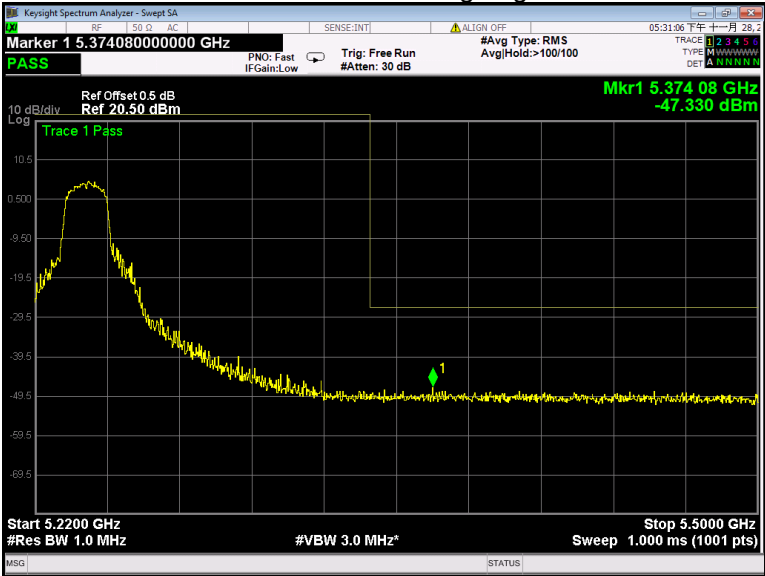
10.2 Test Result

Test result plots shown as follows:

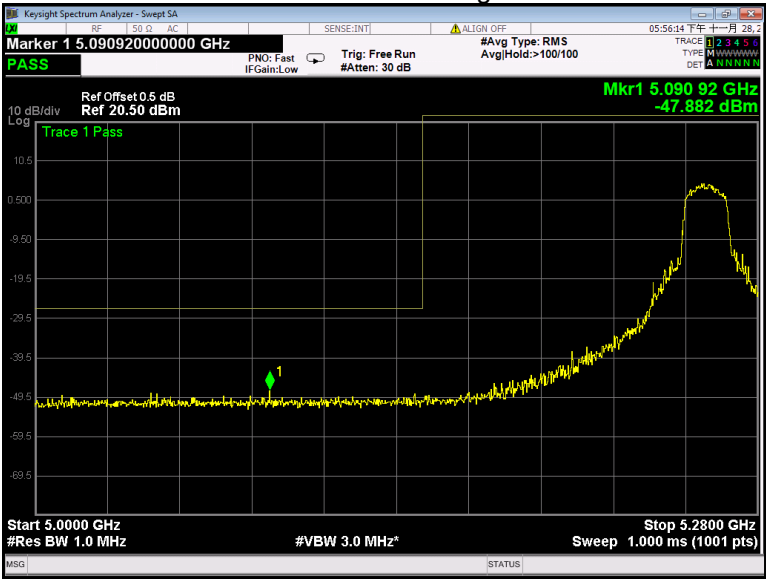
802.11a U-NII-1 Band edge-left side



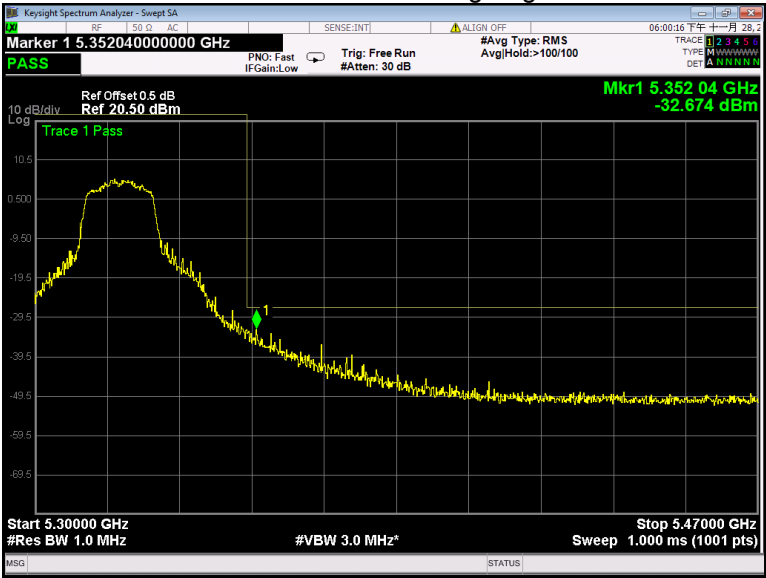
802.11a U-NII-1 Band edge-right side



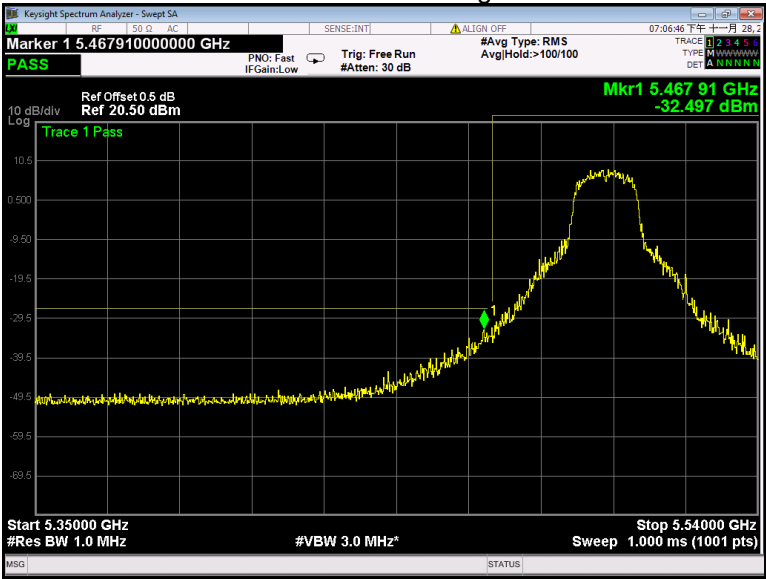
802.11a U-NII-2A Band edge-left side



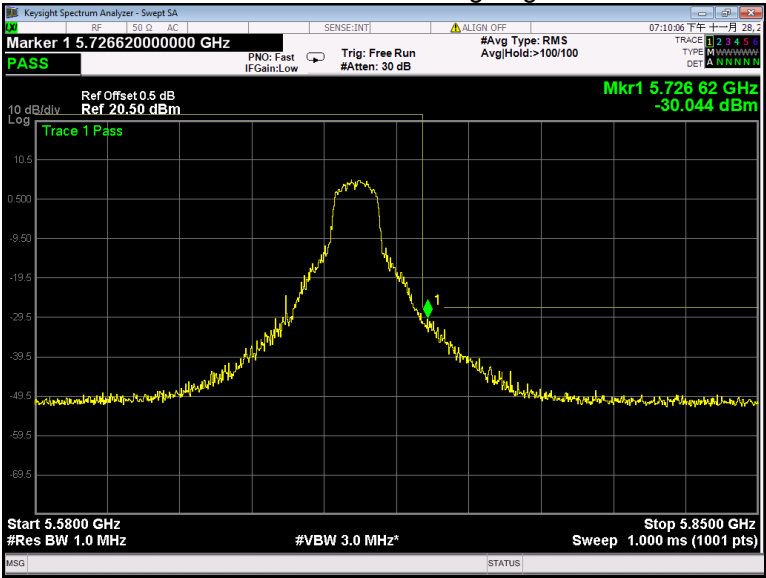
802.11a U-NII-2A Band edge-right side



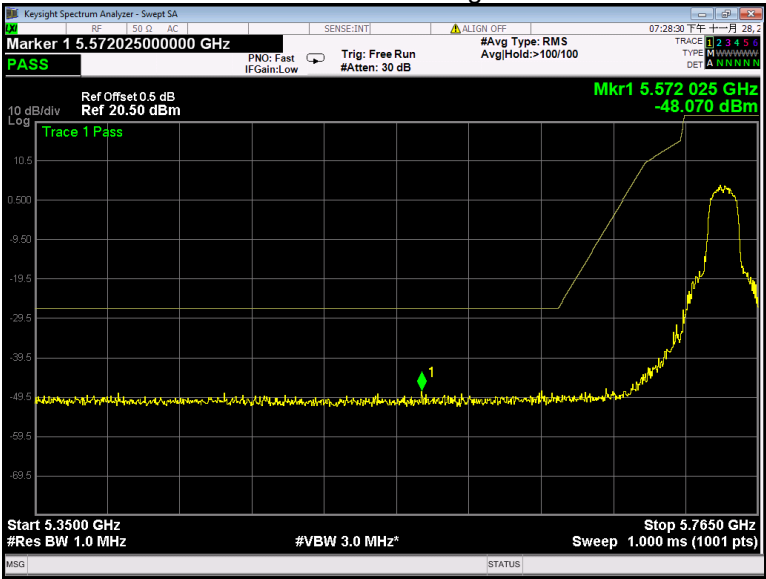
802.11a U-NII-2C Band edge-left side



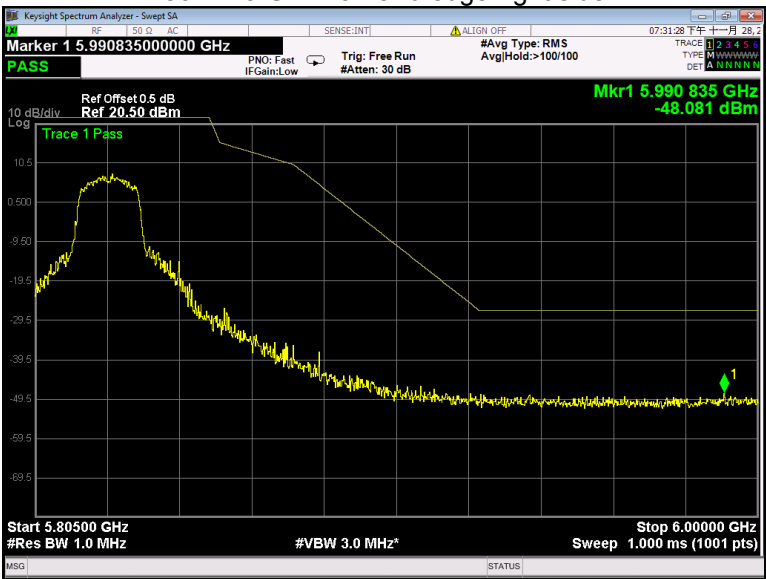
802.11a U-NII-2C Band edge-right side



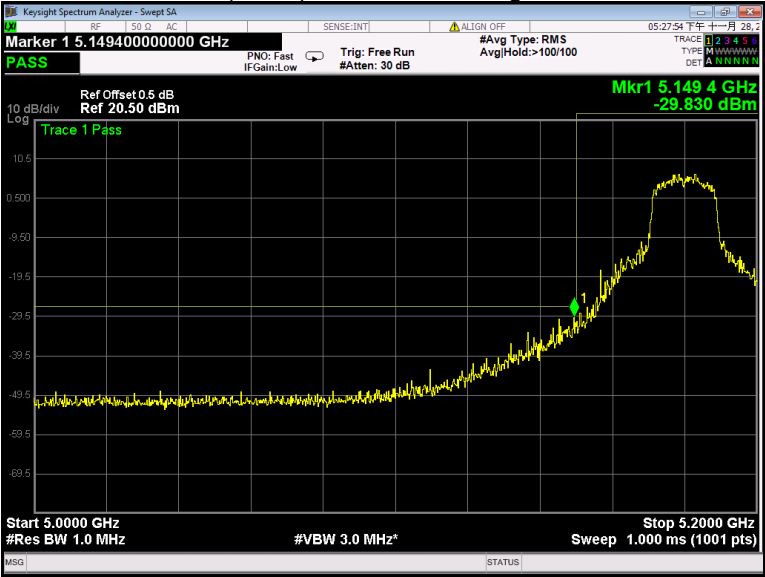
802.11a U-NII-3 Band edge-left side



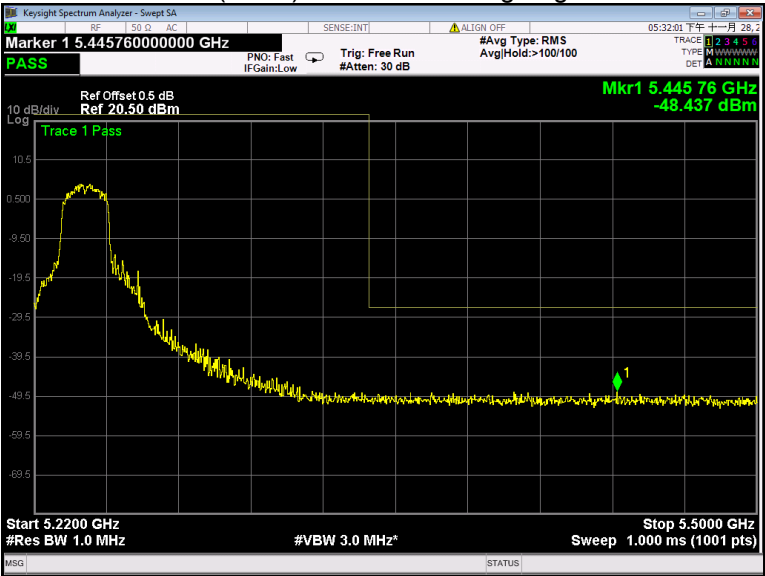
802.11a U-NII-3 Band edge-right side



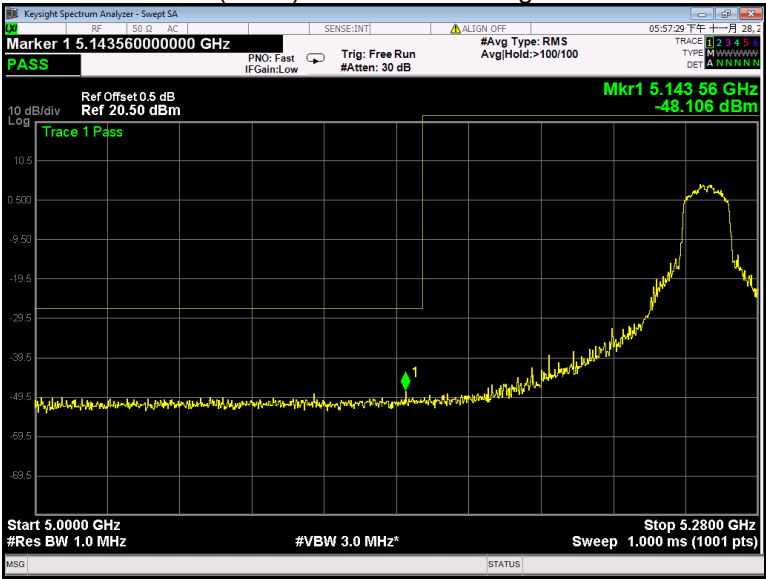
802.11n(HT20) U-NII-1 Band edge-left side



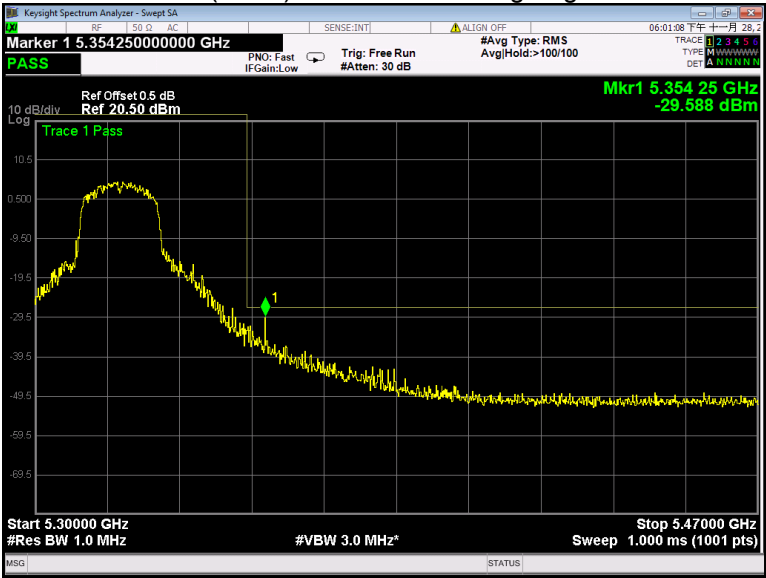
802.11n(HT20) U-NII-1 Band edge-right side



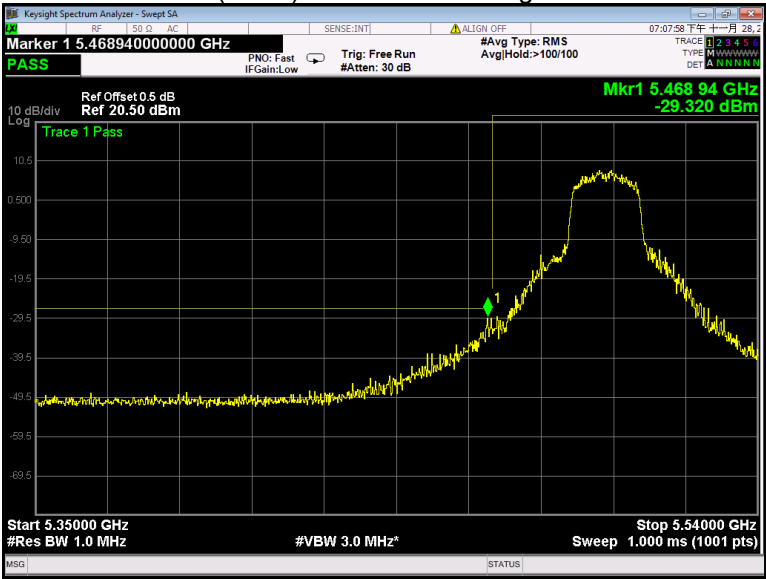
802.11n(HT20) U-NII-2A Band edge-left side



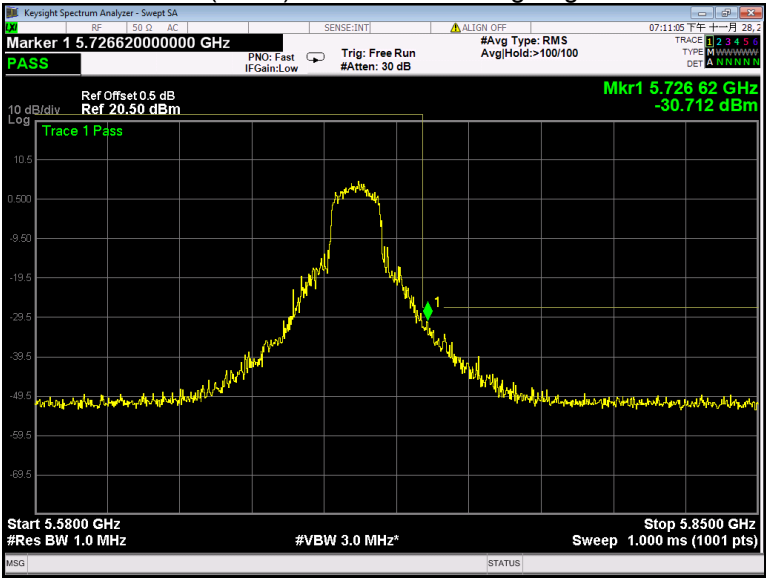
802.11n(HT20) U-NII-2A Band edge-right side



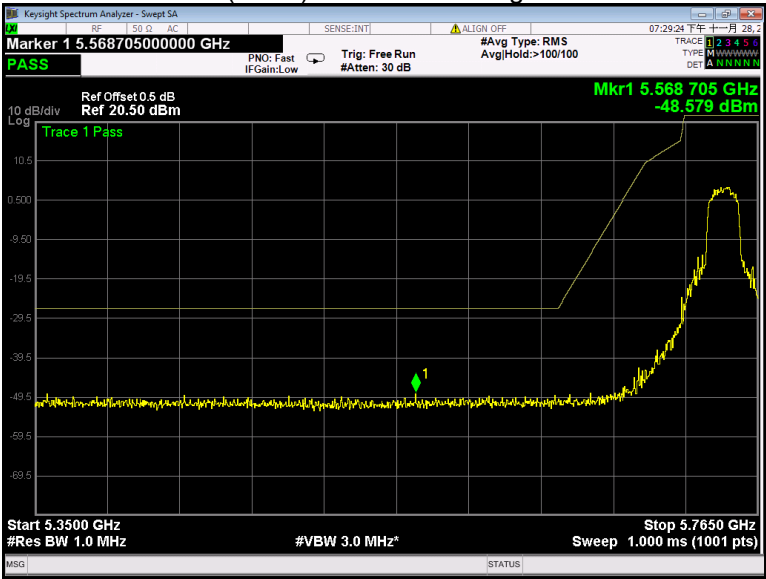
802.11n(HT20) U-NII-2C Band edge-left side



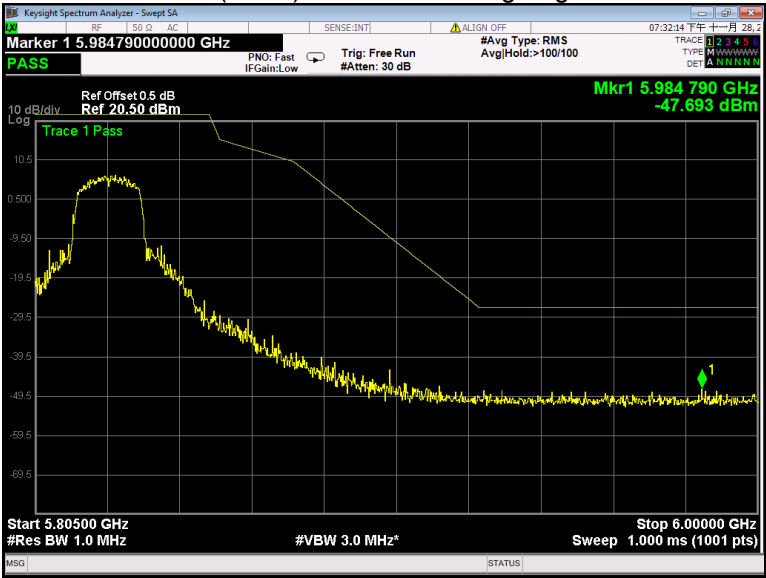
802.11n(HT20) U-NII-2C Band edge-right side



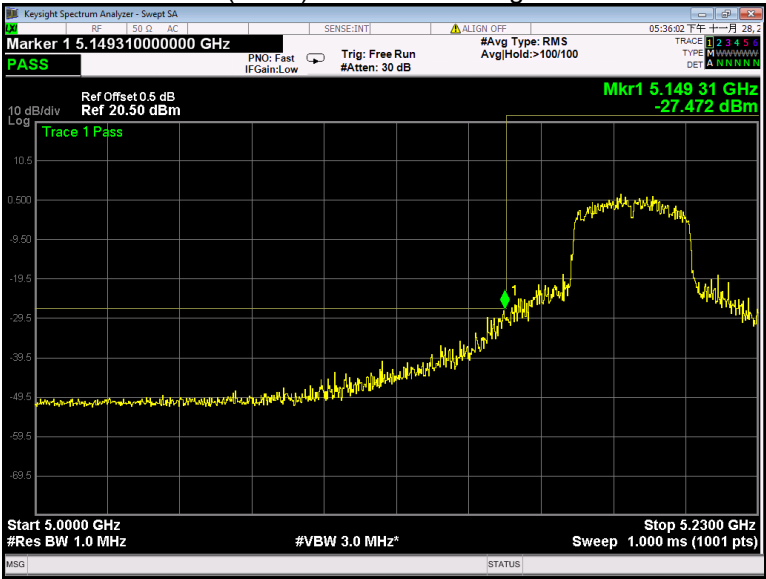
802.11n(HT20) U-NII-3 Band edge-left side



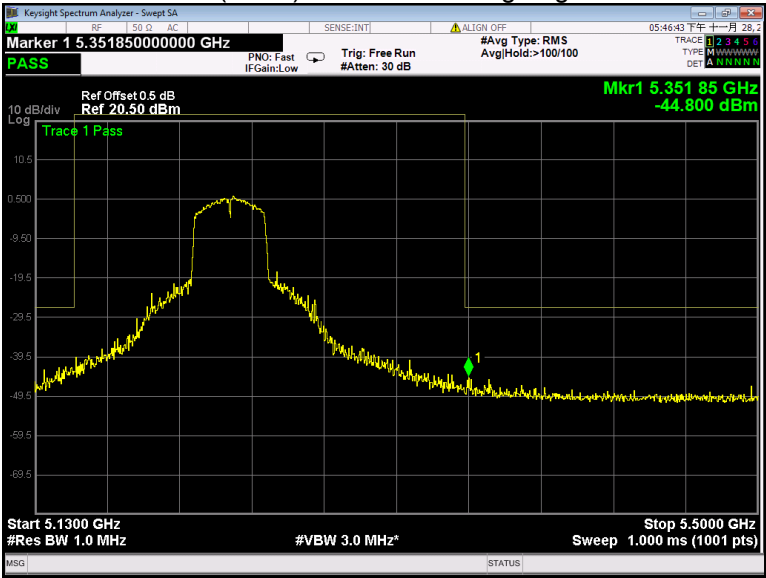
802.11n(HT20) U-NII-3 Band edge-right side



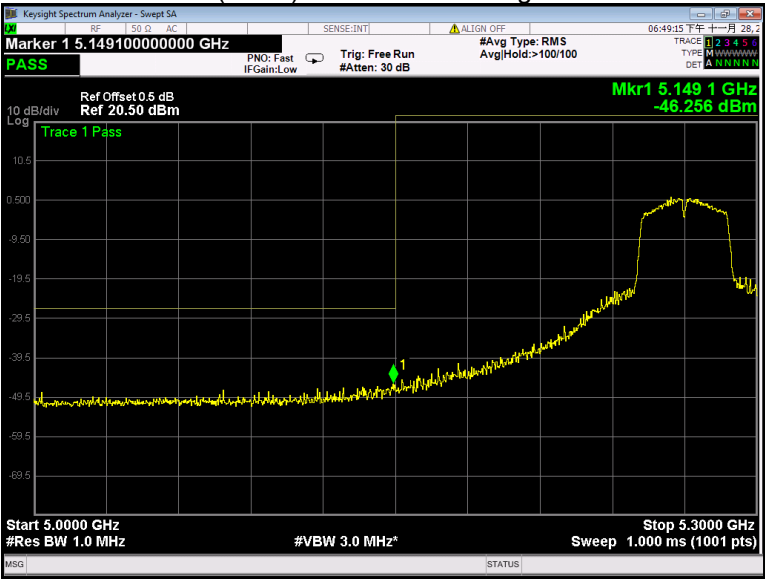
802.11n(HT40) U-NII-1 Band edge-left side



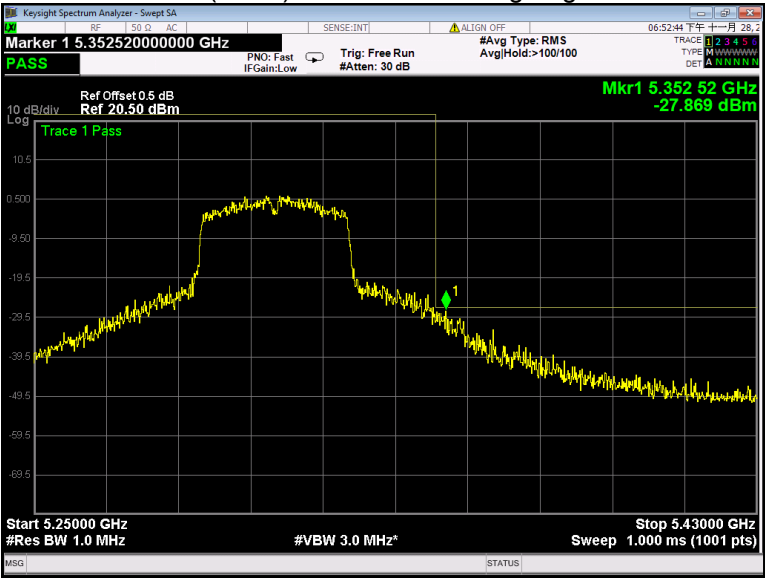
802.11n(HT40) U-NII-1 Band edge-right side



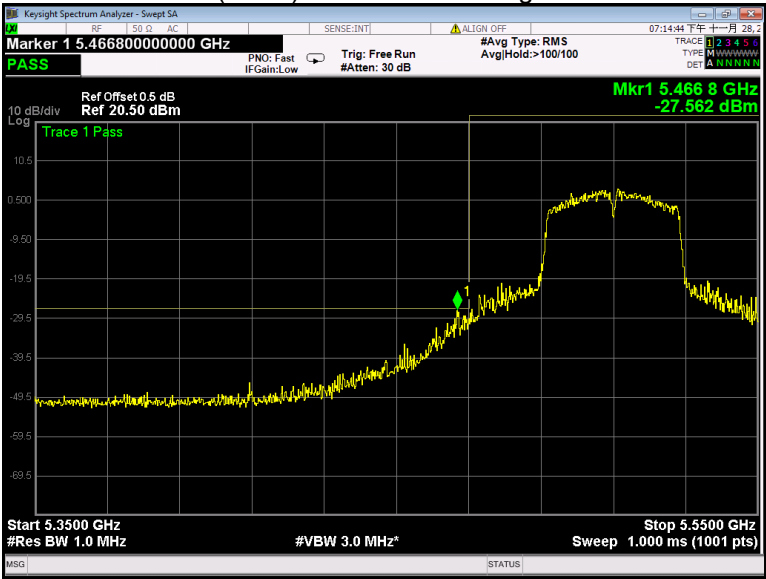
802.11n(HT40) U-NII-2A Band edge-left side



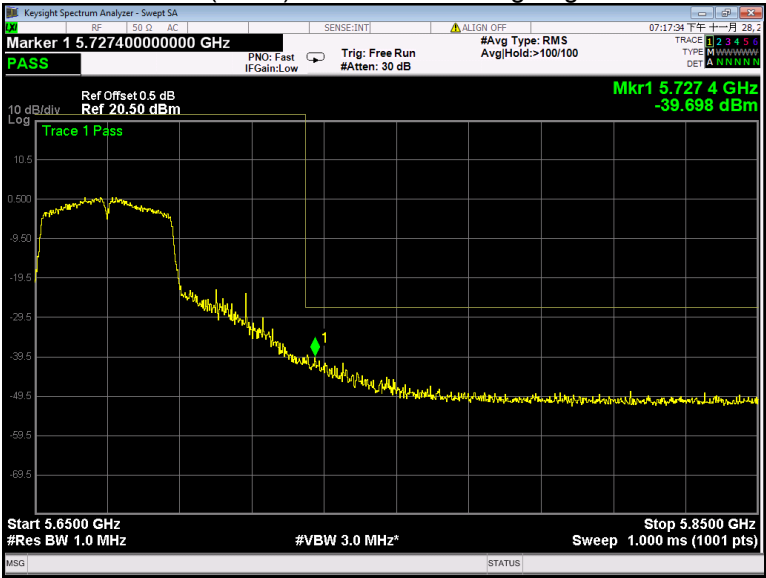
802.11n(HT40) U-NII-2A Band edge-right side



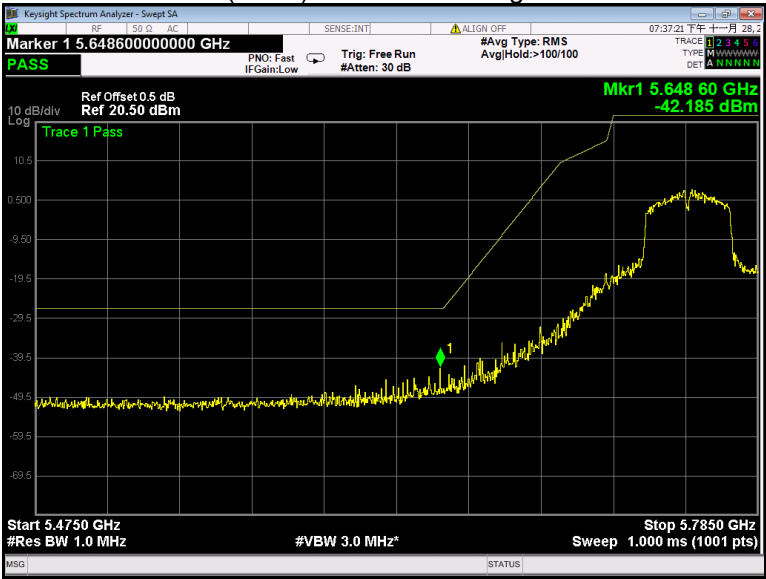
802.11n(HT40) U-NII-2C Band edge-left side



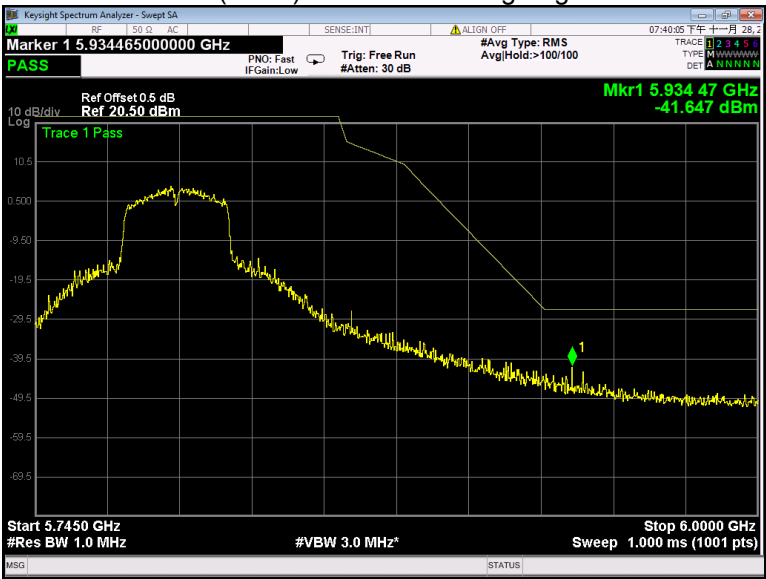
802.11n(HT40) U-NII-2C Band edge-right side



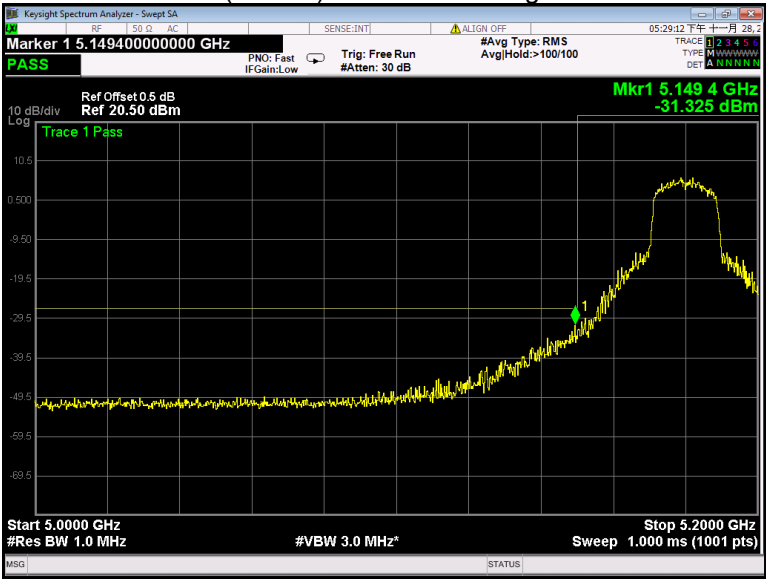
802.11n(HT40) U-NII-3 Band edge-left side



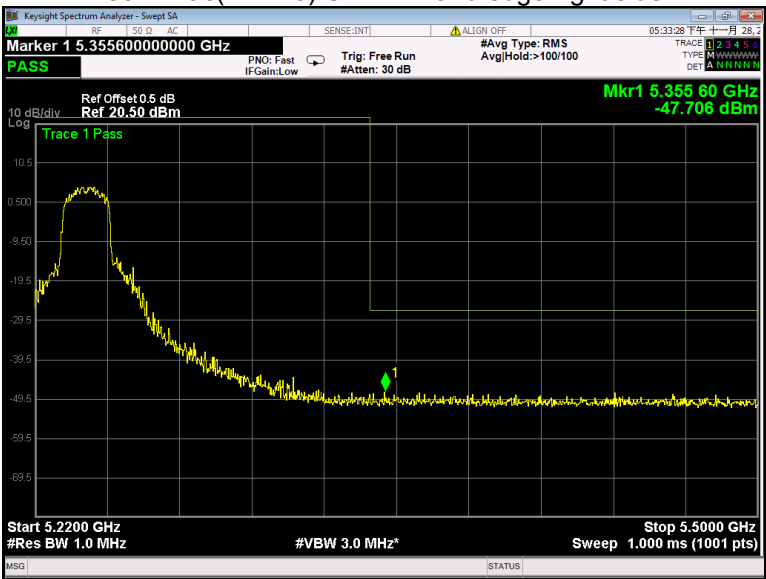
802.11n(HT40) U-NII-3 Band edge-right side



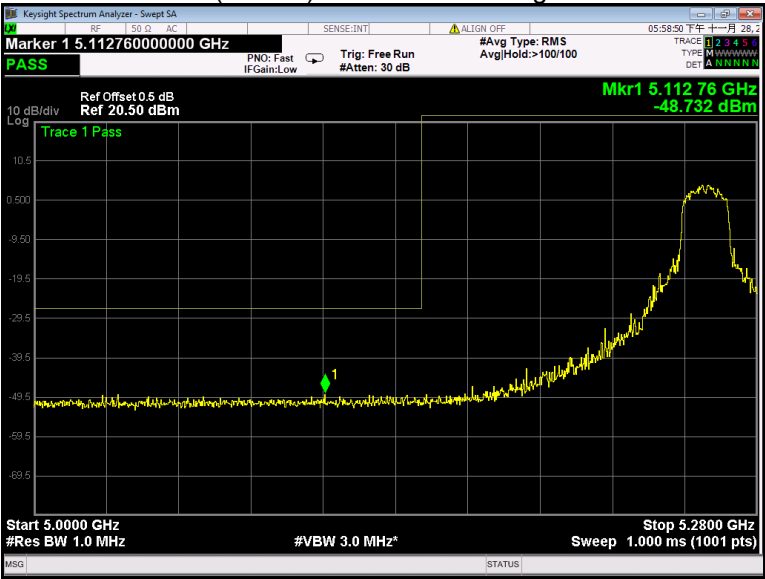
802.11ac(VHT20) U-NII-1 Band edge-left side



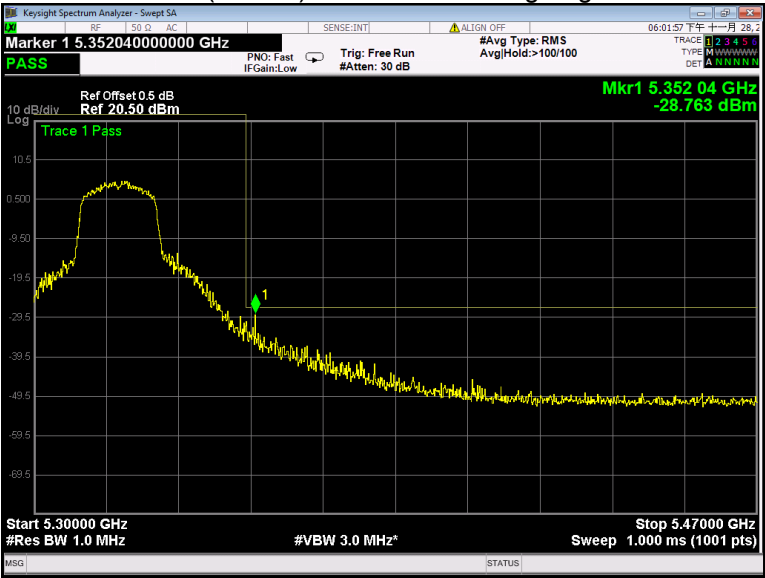
802.11ac(VHT20) U-NII-1 Band edge-right side



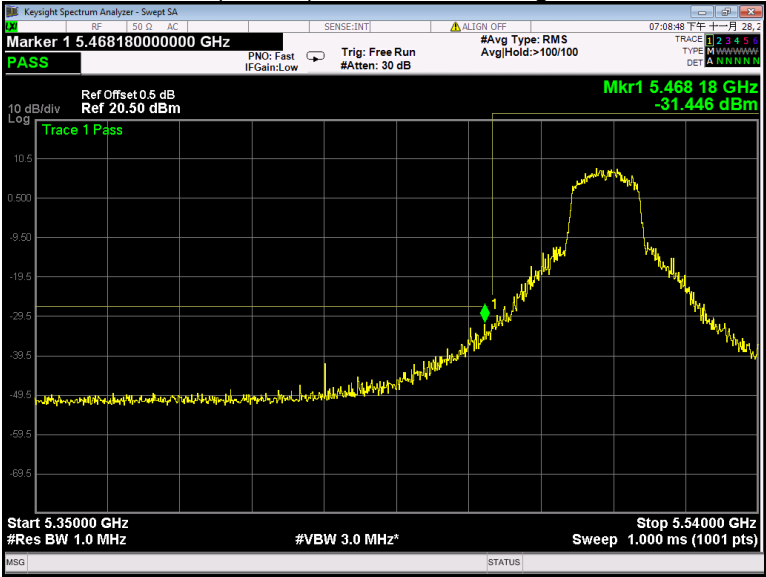
802.11ac(VHT20) U-NII-2A Band edge-left side



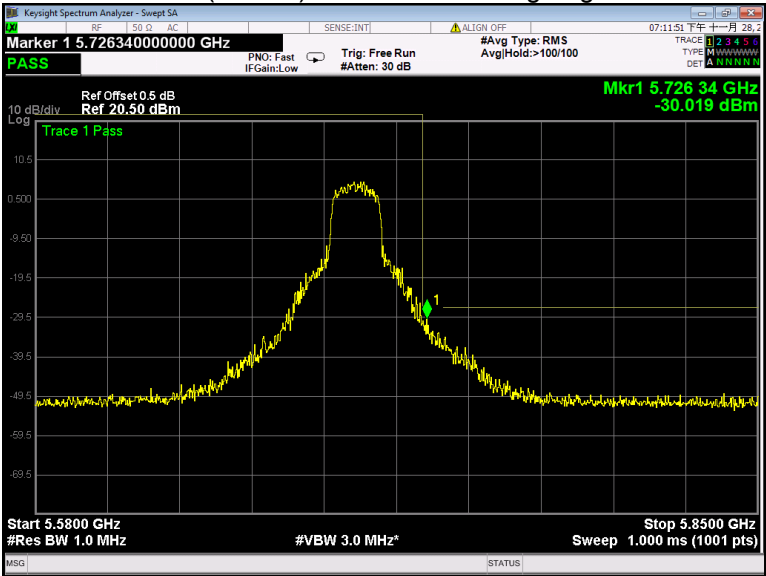
802.11ac(VHT20) U-NII-2A Band edge-right side



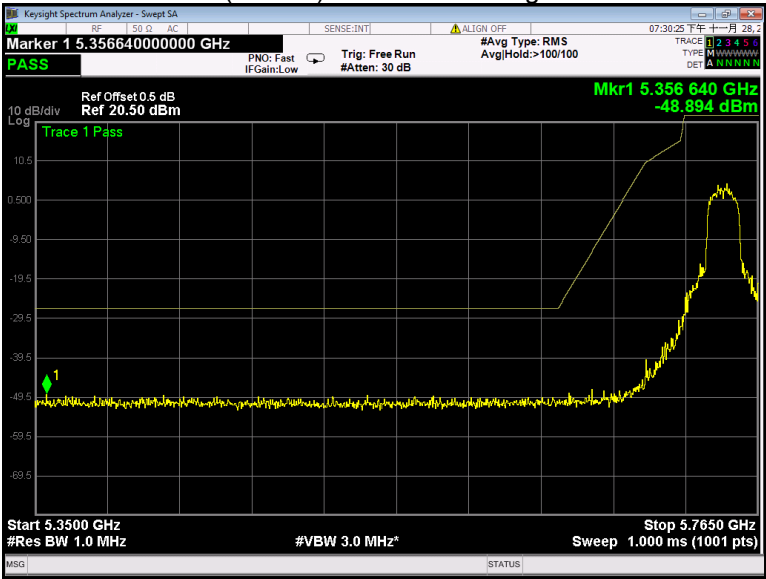
802.11ac(VHT20) U-NII-2C Band edge-left side



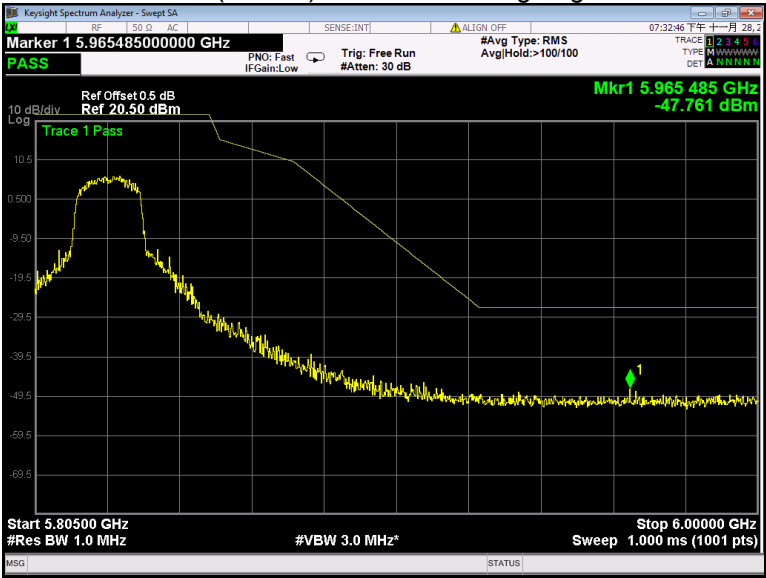
802.11ac(VHT20) U-NII-2C Band edge-right side



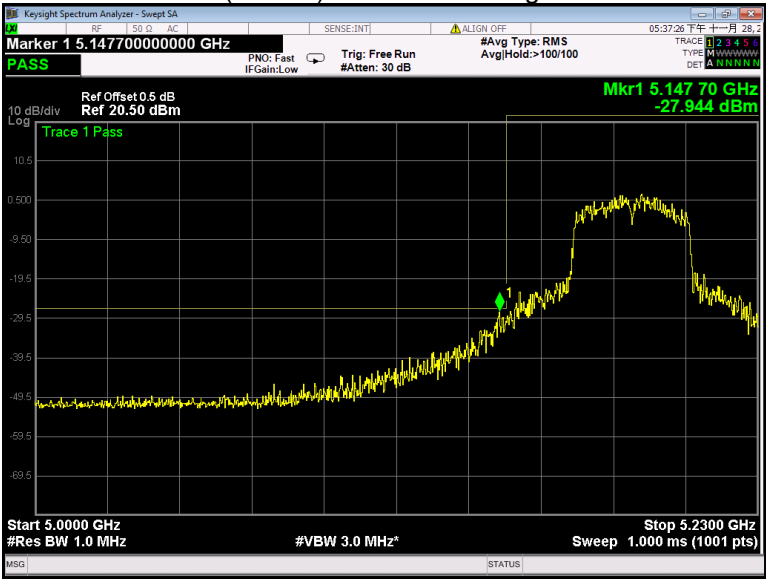
802.11ac(VHT20) U-NII-3 Band edge-left side



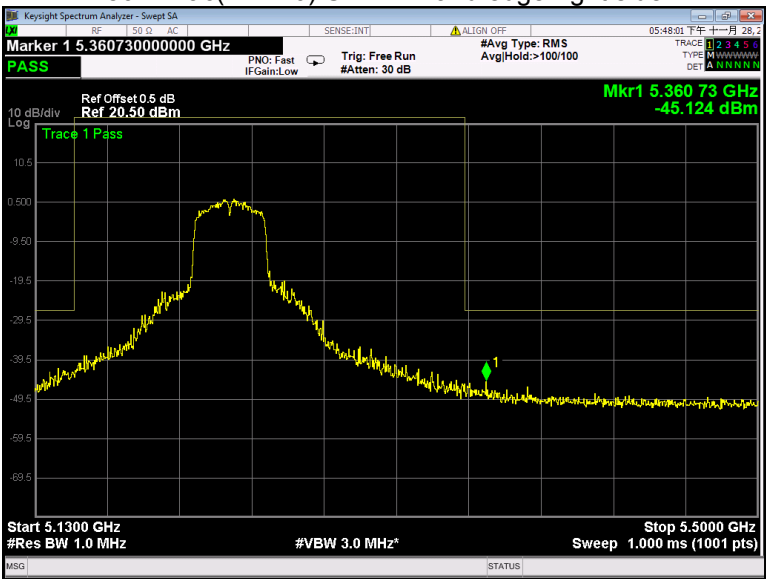
802.11ac(VHT20) U-NII-3 Band edge-right side



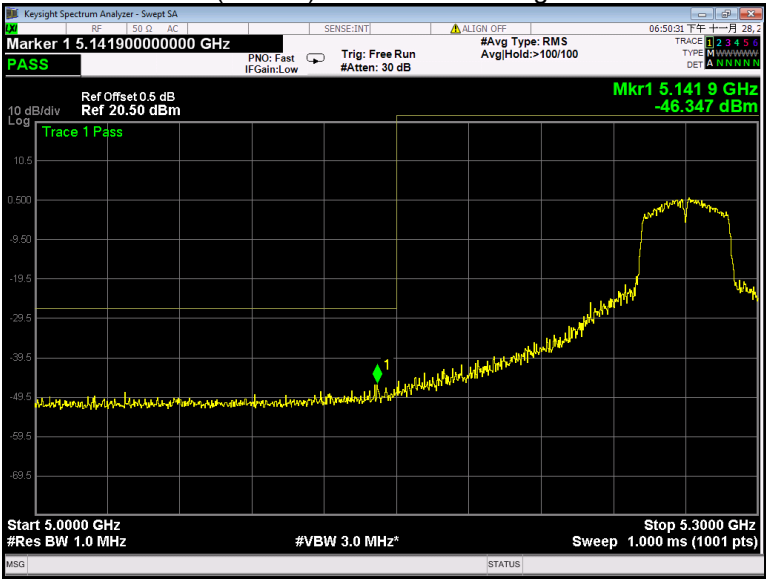
802.11ac(VHT40) U-NII-1 Band edge-left side



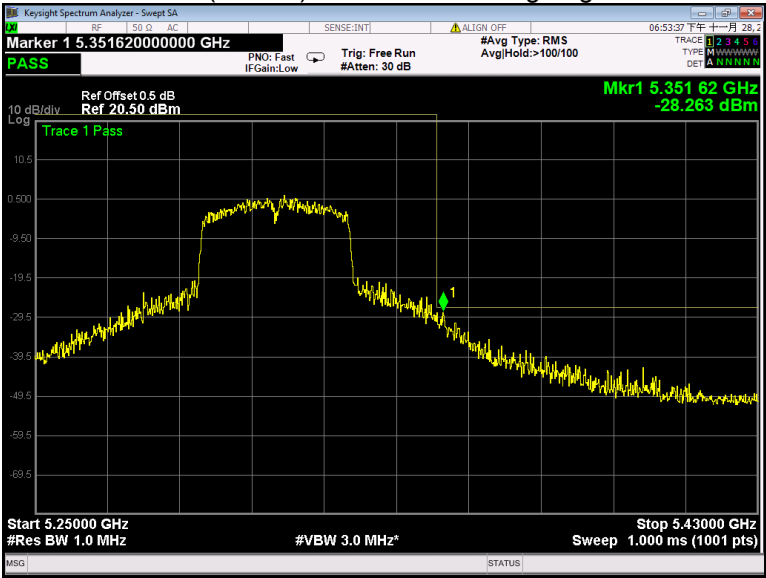
802.11ac(VHT40) U-NII-1 Band edge-right side



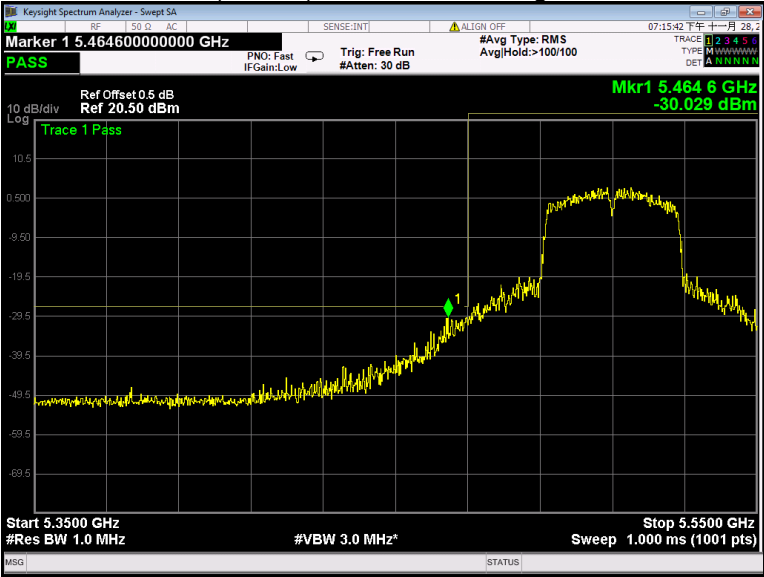
802.11ac(VHT40) U-NII-2A Band edge-left side



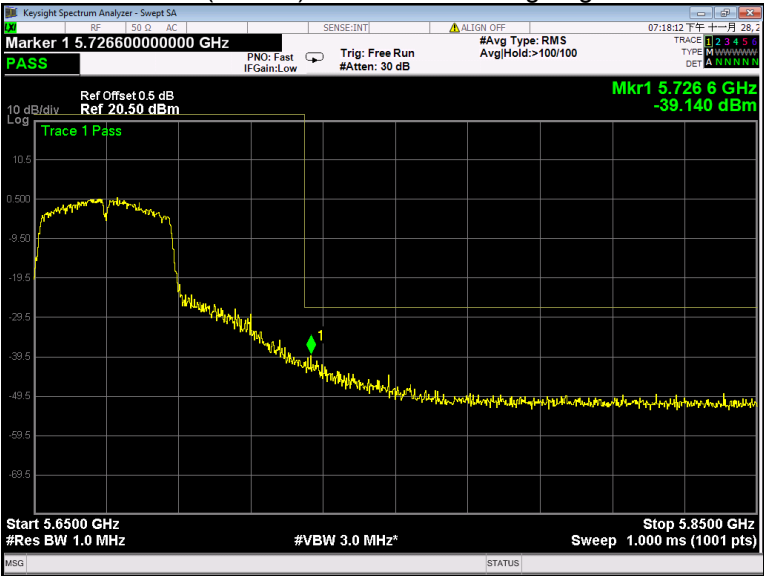
802.11ac(VHT40) U-NII-2A Band edge-right side



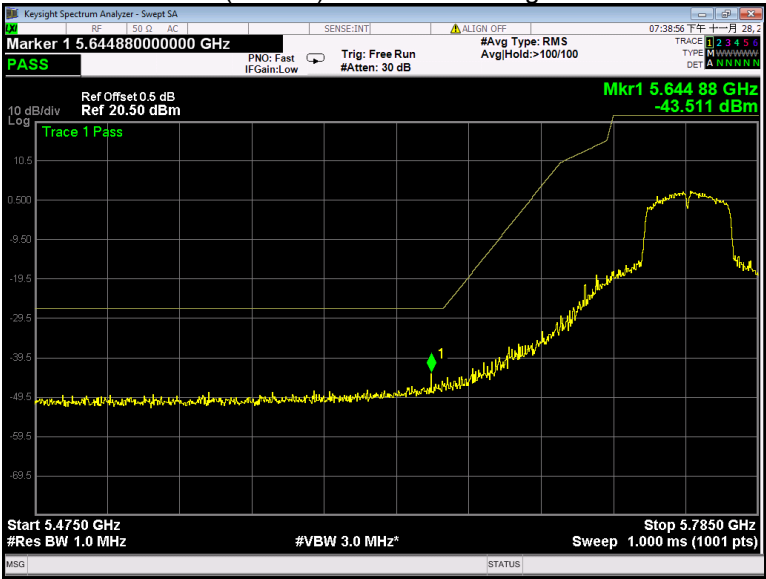
802.11ac(VHT40) U-NII-2C Band edge-left side



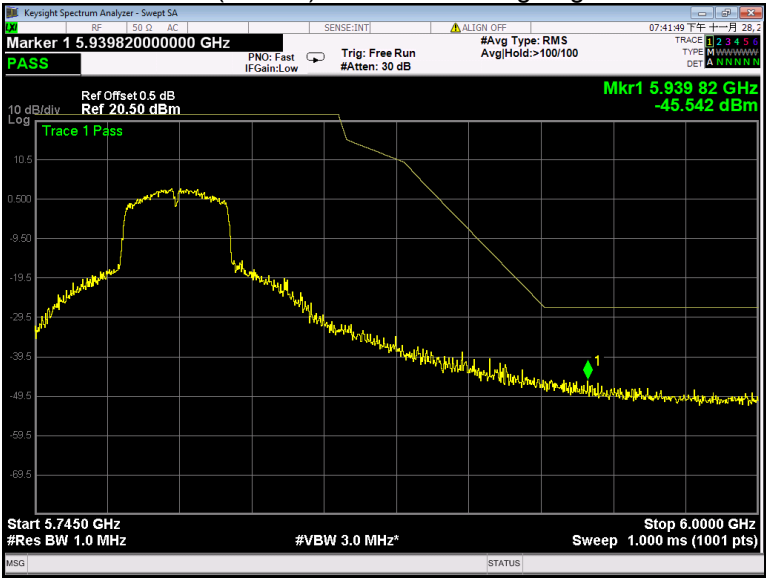
802.11ac(VHT40) U-NII-2C Band edge-right side



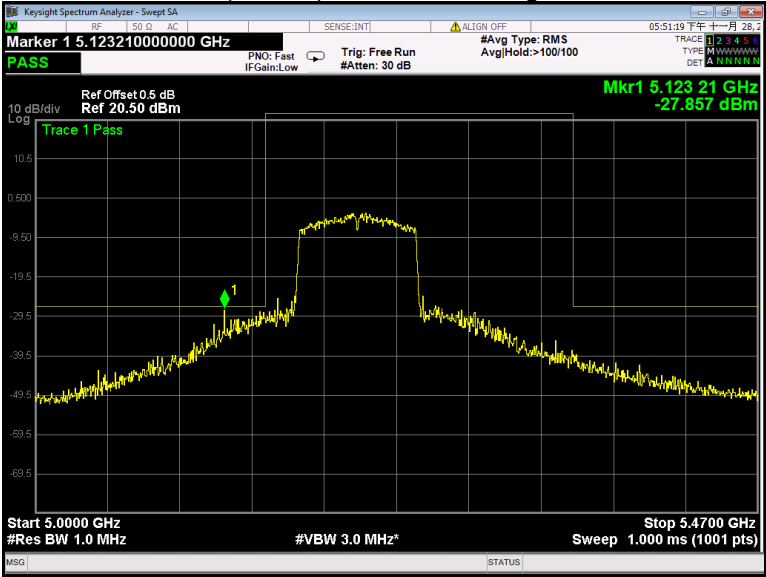
802.11ac(VHT40) U-NII-3 Band edge-left side



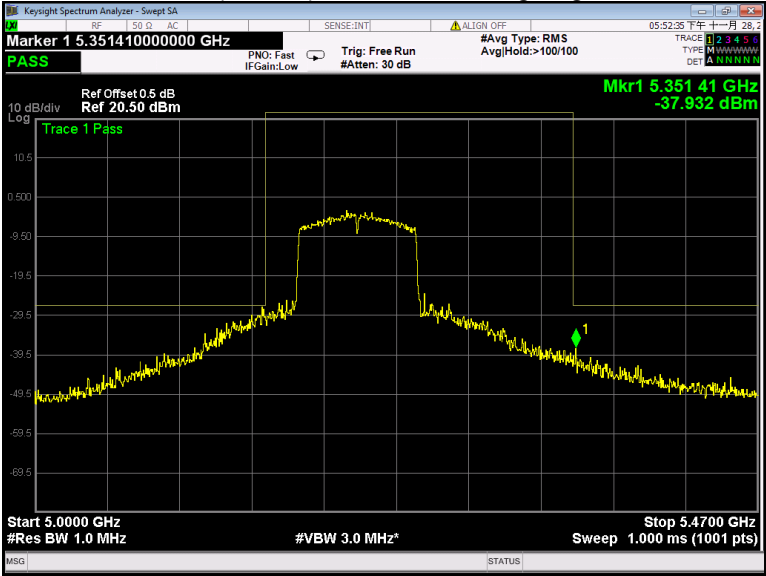
802.11ac(VHT40) U-NII-3 Band edge-right side



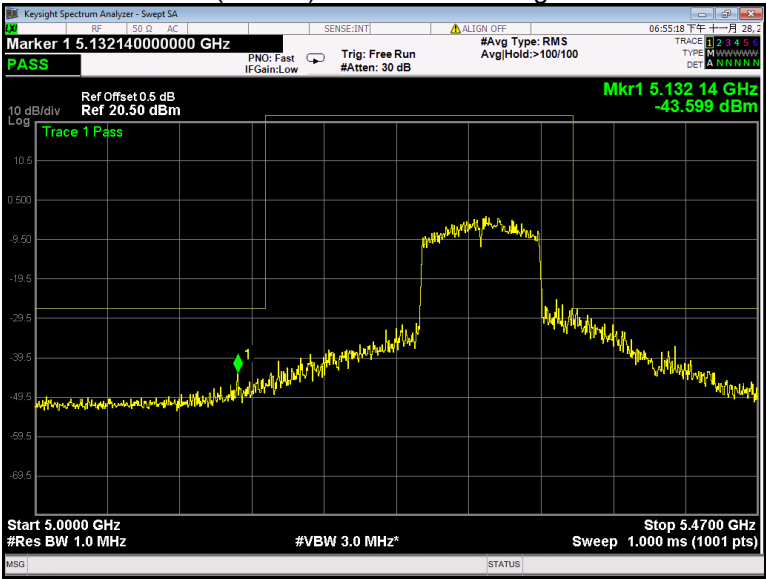
802.11ac(VHT80) U-NII-1 Band edge-left side



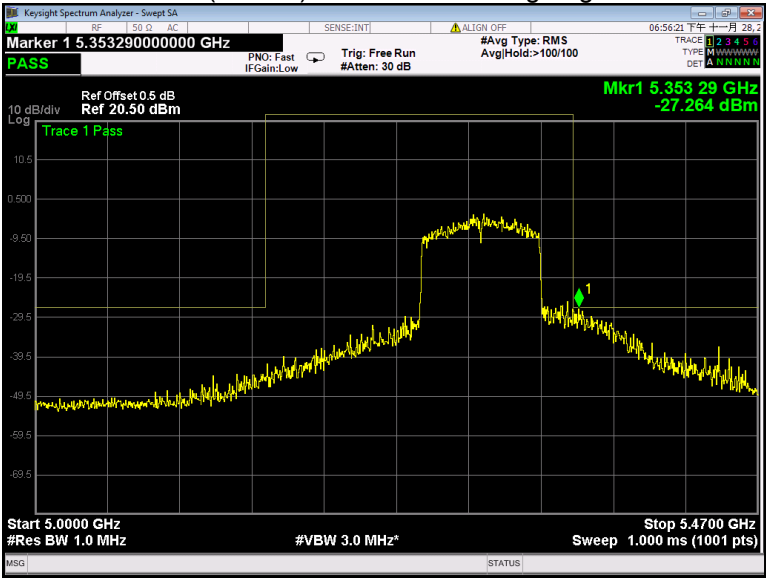
802.11ac(VHT80) U-NII-1 Band edge-right side



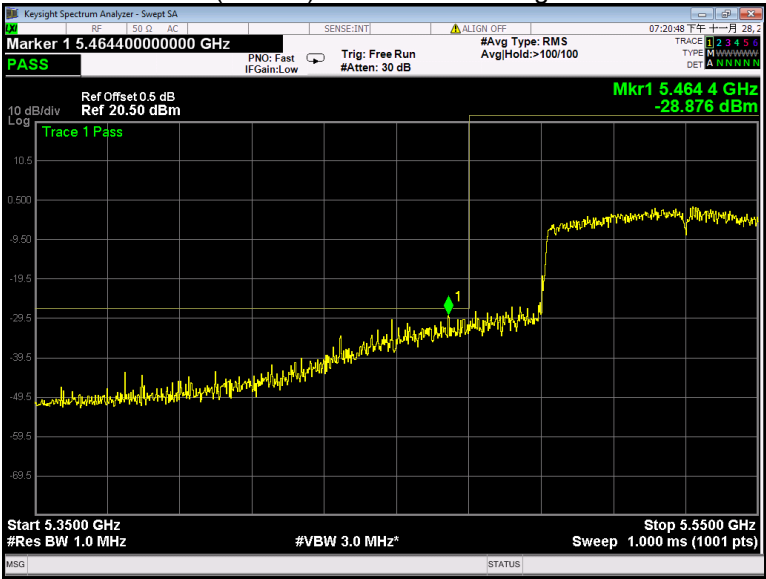
802.11ac(VHT80) U-NII-2A Band edge-left side



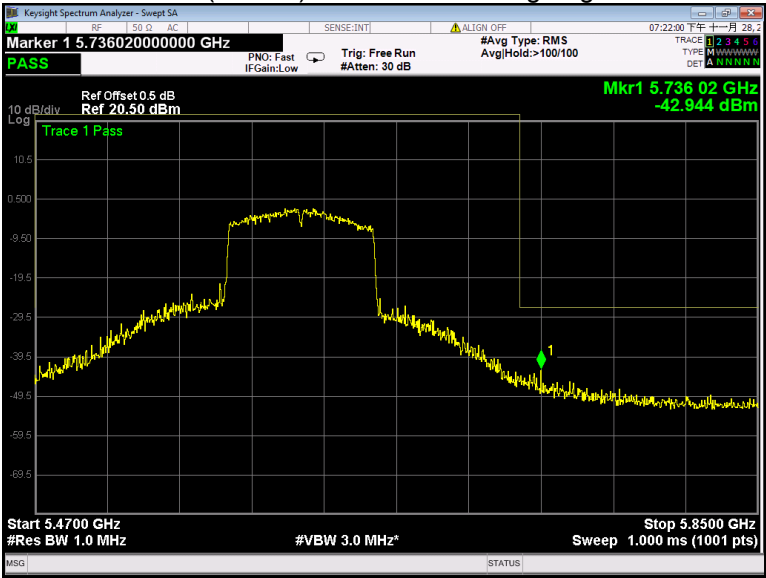
802.11ac(VHT80) U-NII-2A Band edge-right side



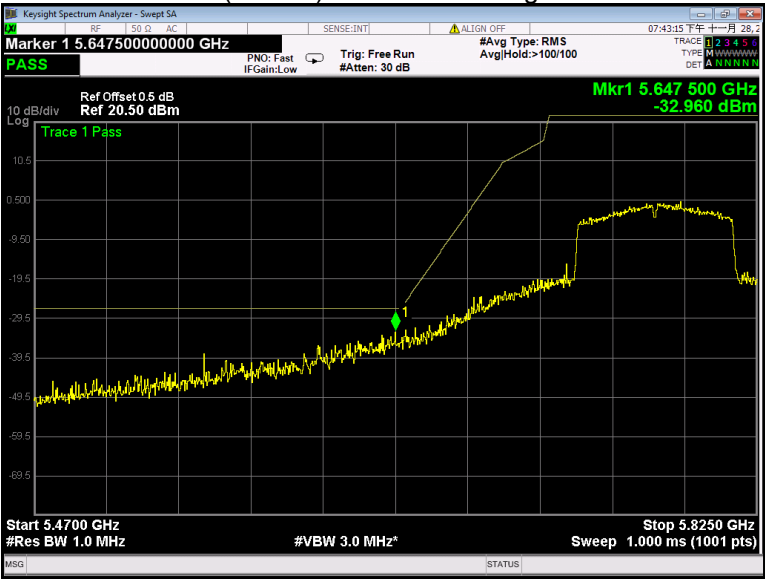
802.11ac(VHT80) U-NII-2C Band edge-left side



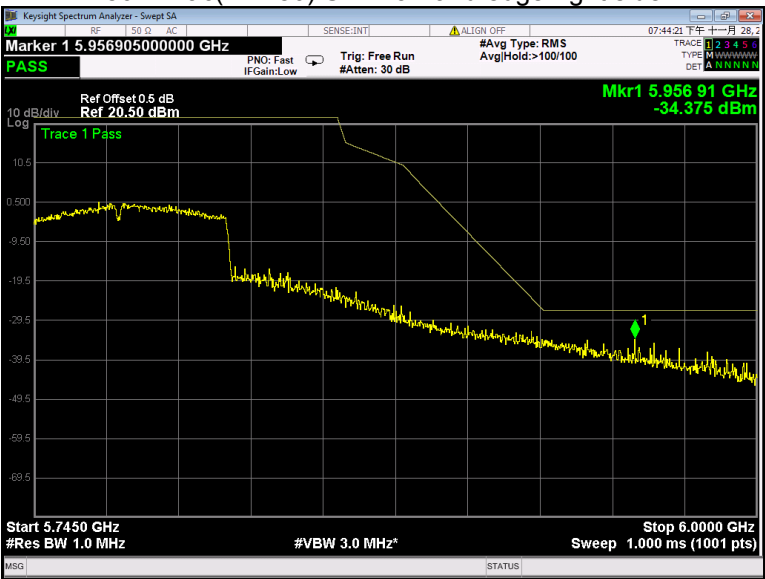
802.11ac(VHT80) U-NII-2C Band edge-right side



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

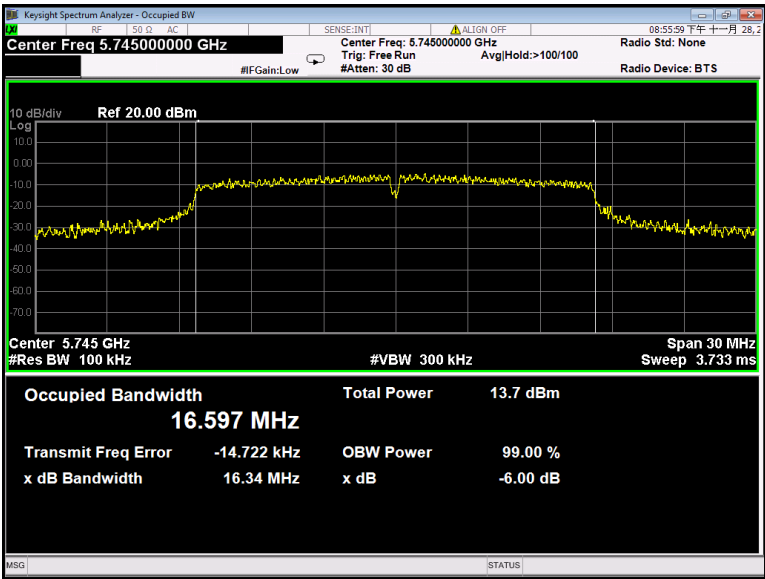
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

11.2 Test Result

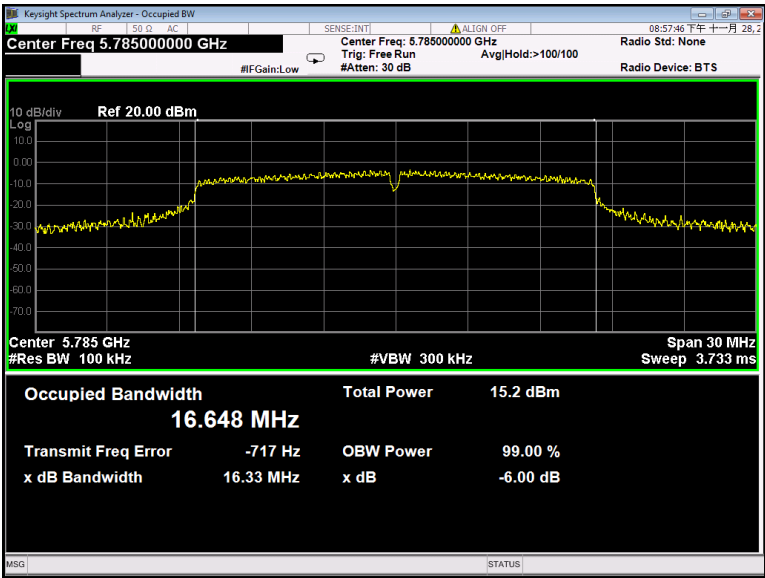
Band	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.34	16.33	16.33
	802.11n(HT20)	17.59	17.59	16.03
	802.11n(HT40)	36.32	/	36.29
	802.11ac(VHT20)	16.90	17.57	17.56
	802.11ac(VHT40)	36.32	/	35.53
	802.11ac(VHT80)	/	76.37	/

Test result plots shown as follows:

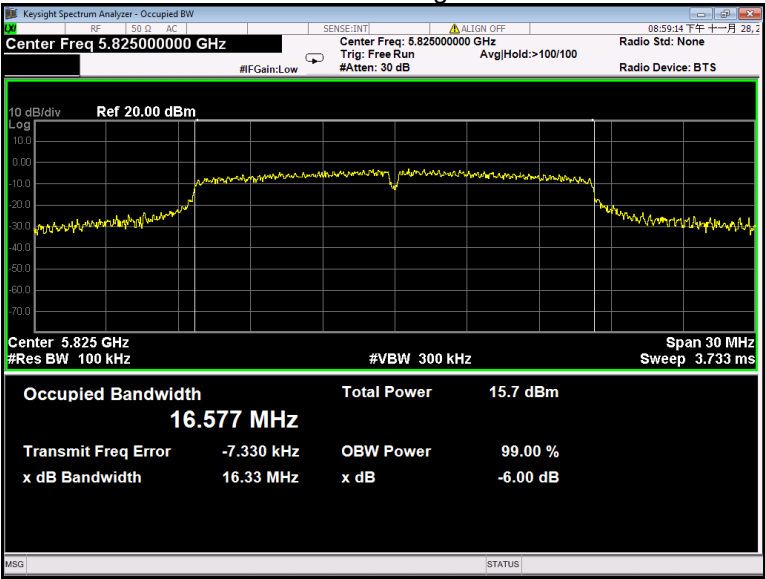
802.11a U-NII-3 Low channel



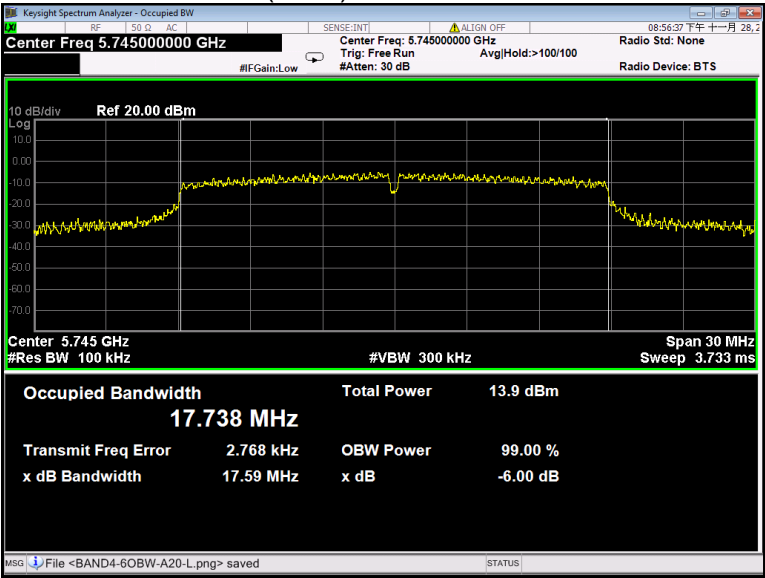
802.11a U-NII-3 Middle channel



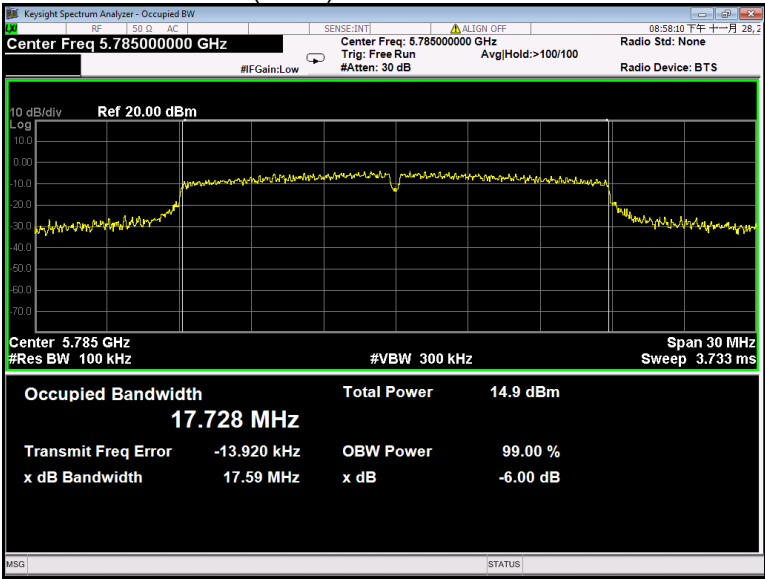
802.11a U-NII-3 High channel



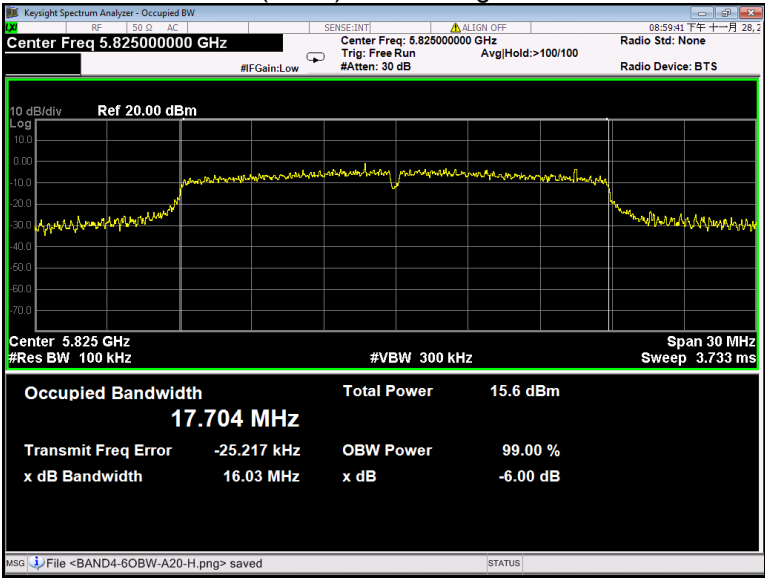
802.11n(HT20) U-NII-3 Low channel



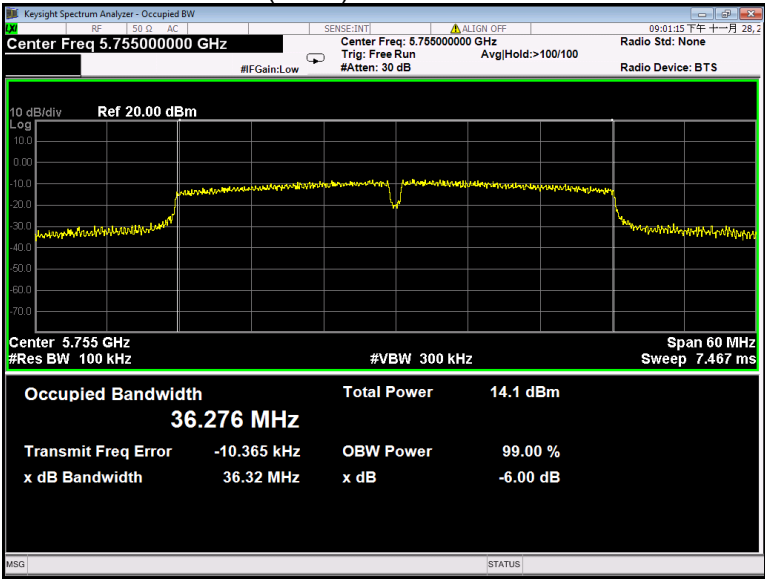
802.11n(HT20) U-NII-3 Middle channel



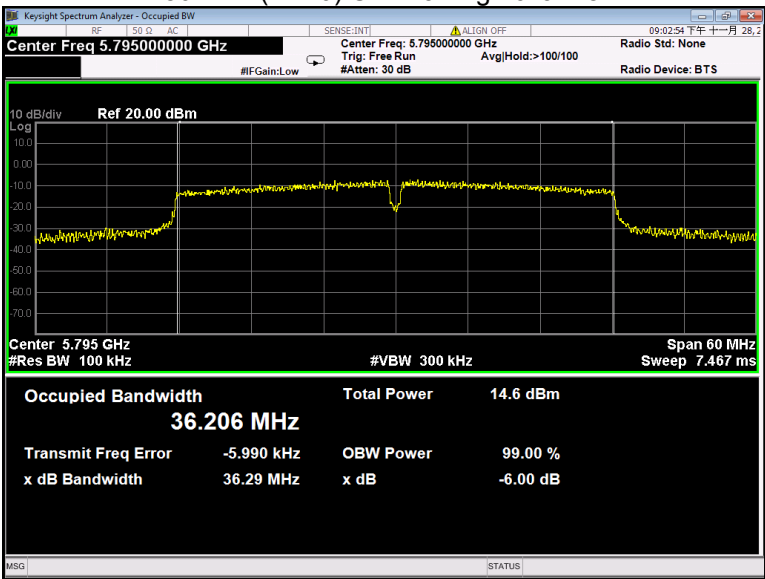
802.11n(HT20) U-NII-3 High channel

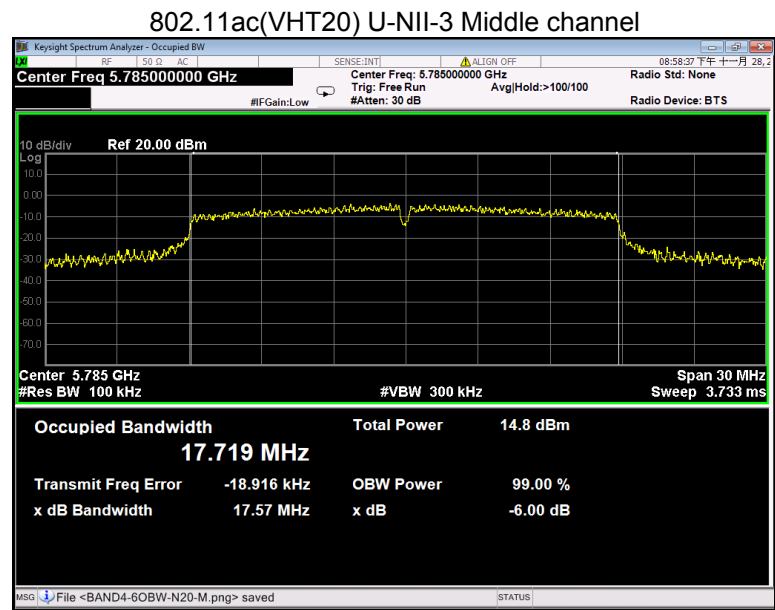
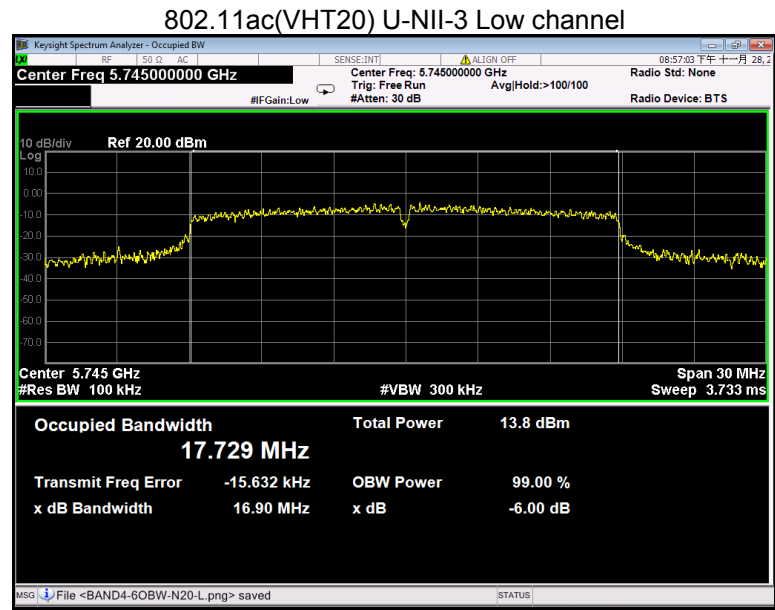


802.11n(HT40) U-NII-3 Low channel

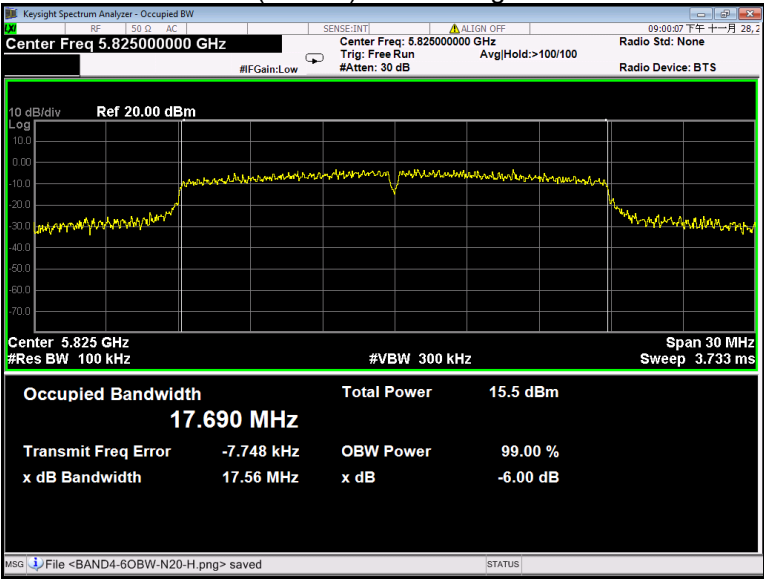


802.11n(HT40) U-NII-3 High channel

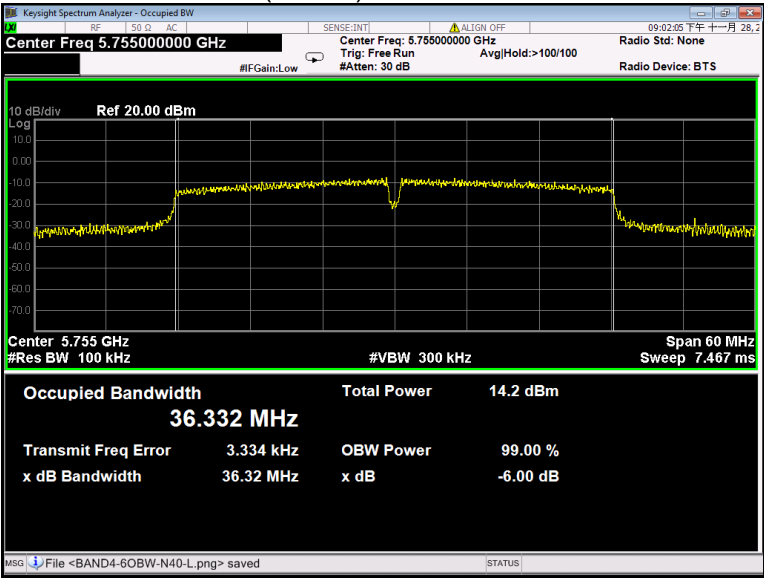




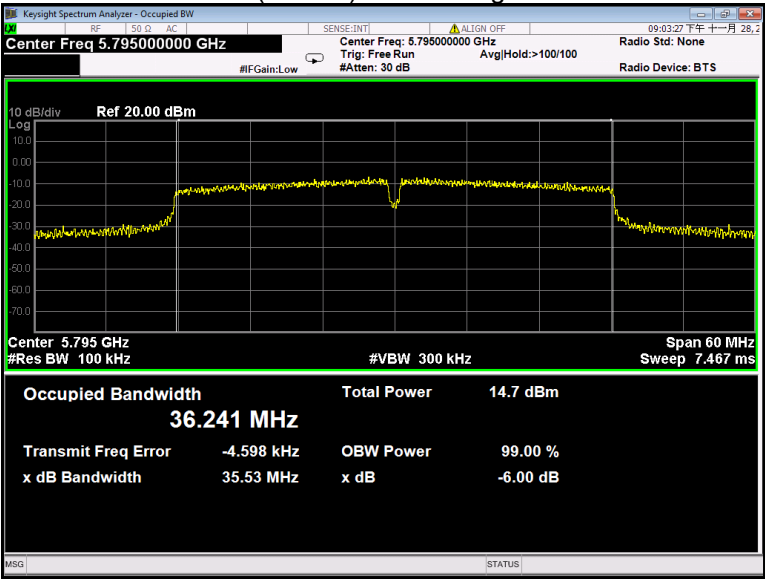
802.11ac(VHT20) U-NII-3 High channel



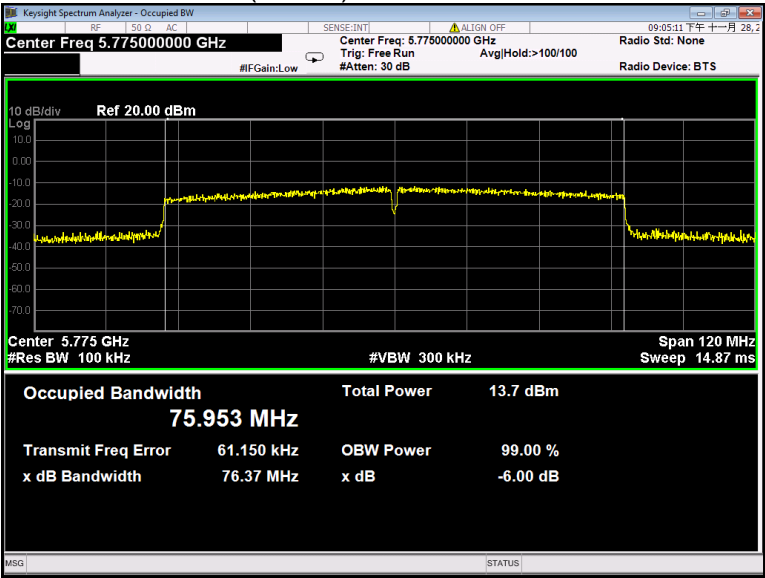
802.11ac(VHT40) U-NII-3 Low channel



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



802.11ac(VHT80) U-NII-3 Middle 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	19.74	19.79	19.88	16.410	16.407	16.428
	802.11n(HT20)	20.10	20.04	20.36	17.554	17.578	17.582
	802.11n(HT40)	40.07	/	40.49	35.982	/	35.957
	802.11ac(VHT20)	20.10	20.21	20.26	17.553	17.561	17.563
	802.11ac(VHT40)	40.07	/	39.94	35.939	/	35.936
	802.11ac(VHT80)	80.26	/	/	75.351	/	/

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2A	802.11a	19.97	20.07	19.78	16.468	16.405	16.472
	802.11n(HT20)	20.29	20.29	20.39	17.592	17.566	17.562
	802.11n(HT40)	40.66	/	40.48	35.973	/	35.920
	802.11ac(VHT20)	19.97	20.13	19.99	17.530	17.588	17.542
	802.11ac(VHT40)	40.14	/	39.81	35.920	/	35.939
	802.11ac(VHT80)	80.17	/	/	75.251	/	/

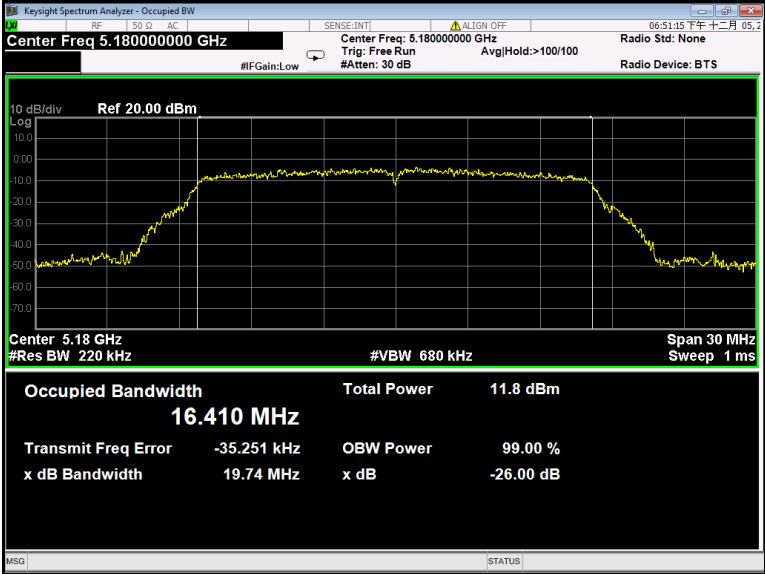
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2C	802.11a	19.94	19.79	19.81	16.488	16.442	16.434
	802.11n(HT20)	20.23	20.09	20.23	17.566	17.567	17.586
	802.11n(HT40)	40.27	40.29	40.68	35.965	35.963	35.959
	802.11ac(VHT20)	20.15	20.11	19.98	17.584	17.545	17.564
	802.11ac(VHT40)	40.13	39.83	40.22	35.921	35.902	35.994
	802.11ac(VHT80)	80.71	/	80.41	75.201	/	75.209

Band	Operation mode	99% Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.418	16.437	16.438
	802.11n(HT20)	17.574	17.570	17.559
	802.11n(HT40)	35.985	/	35.918
	802.11ac(VHT20)	17.561	17.558	17.530
	802.11ac(VHT40)	35.914	/	35.950
	802.11ac(VHT80)	/	75.298	/

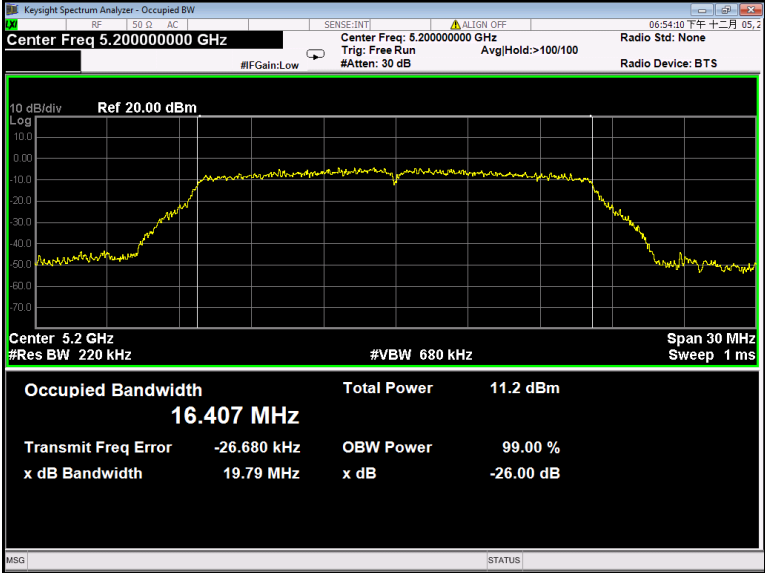
Test result plots shown as follows:

26 dB Bandwidth and 99% Occupied Bandwidth

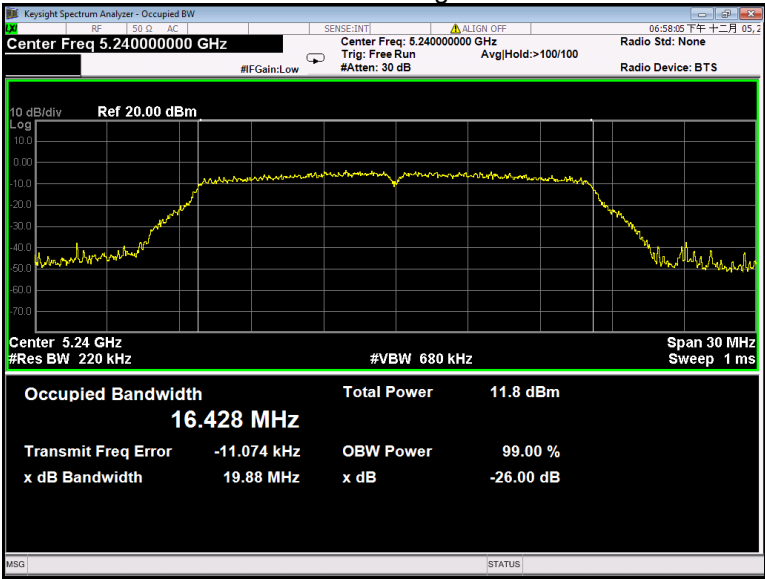
802.11a U-NII-1 Low channel



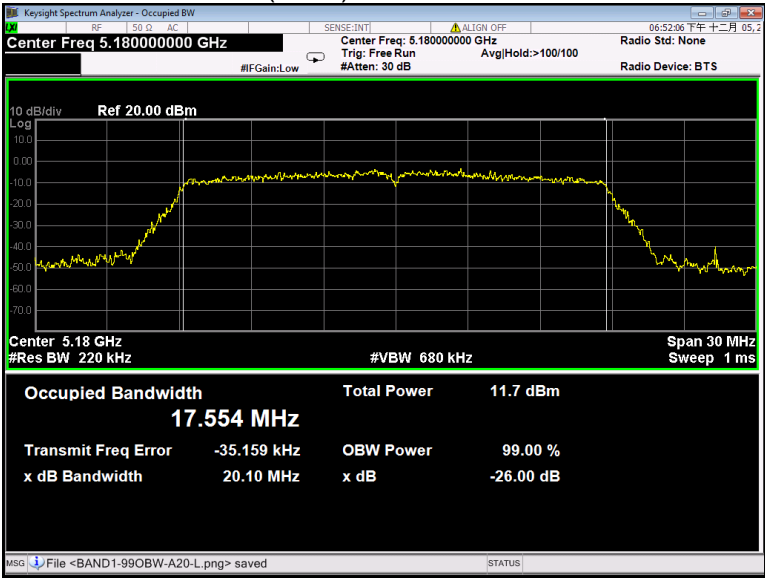
802.11a U-NII-1 Middle channel

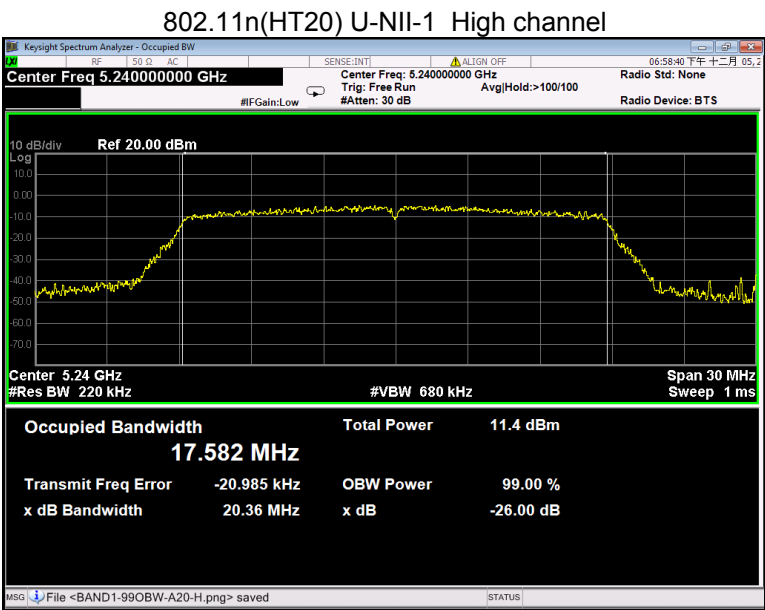
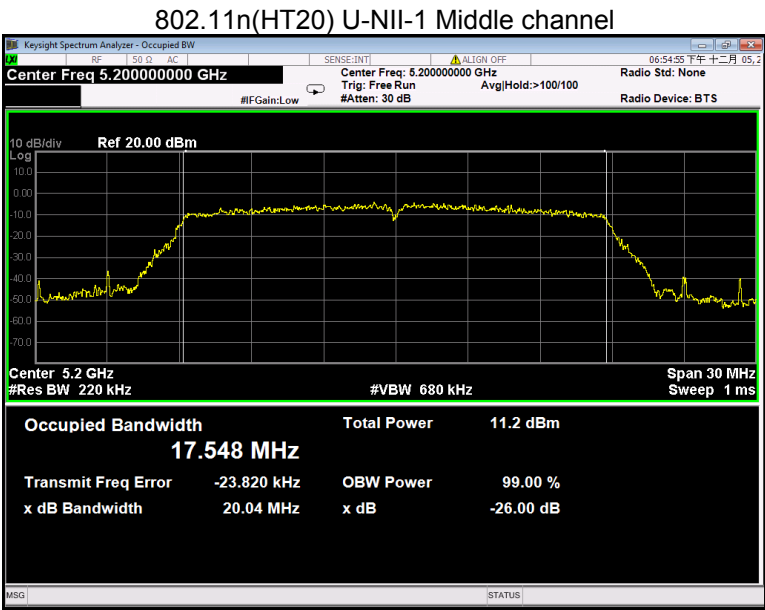


802.11a U-NII-1 High channel

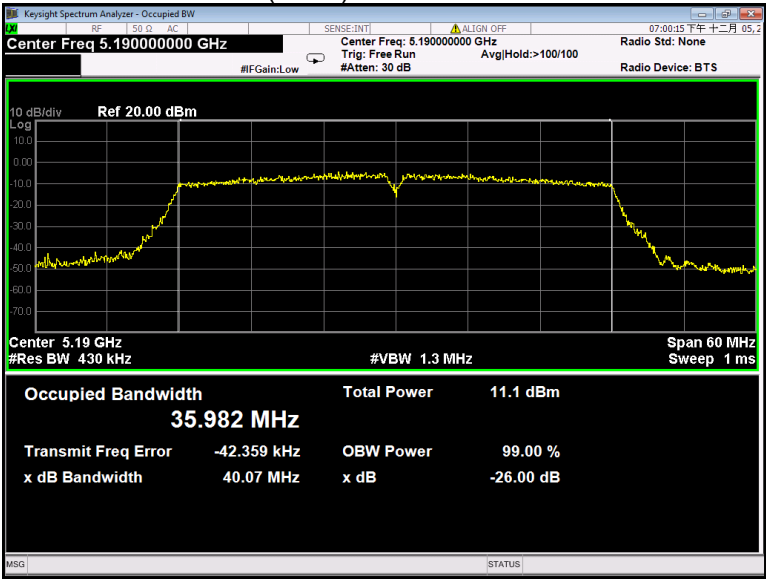


802.11n(HT20) U-NII-1 Low channel

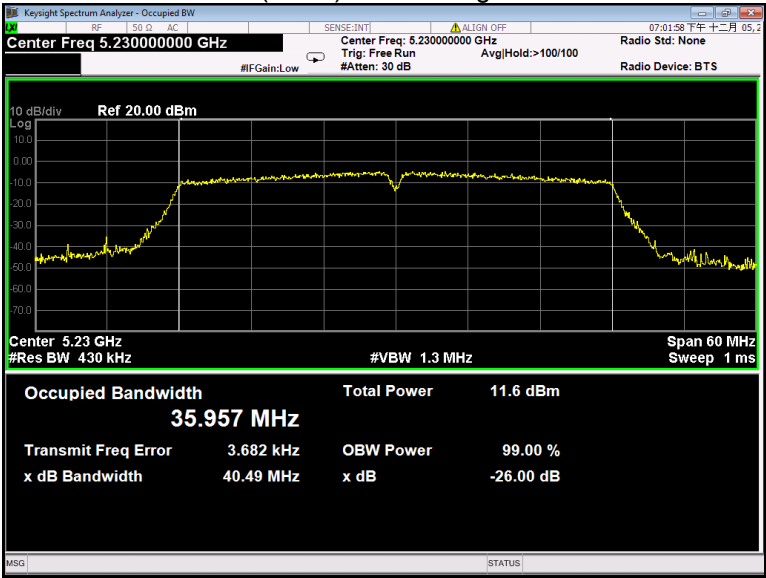




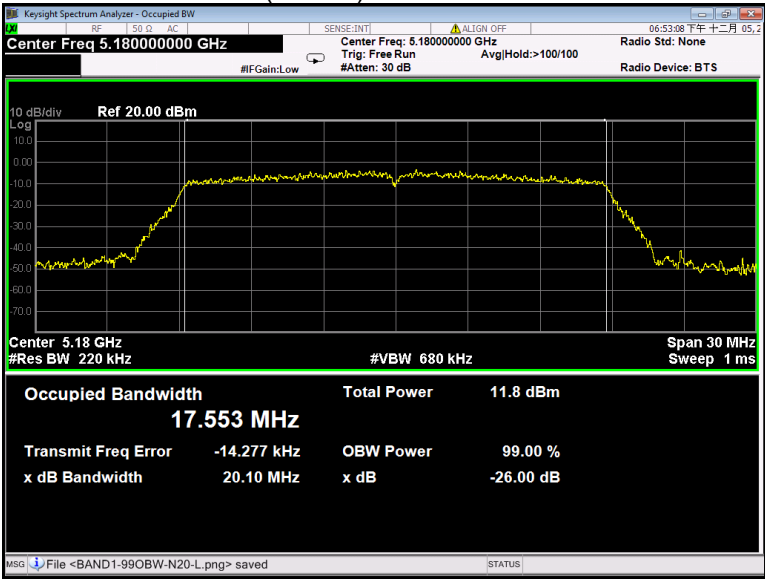
802.11n(HT40) U-NII-1 Low channel



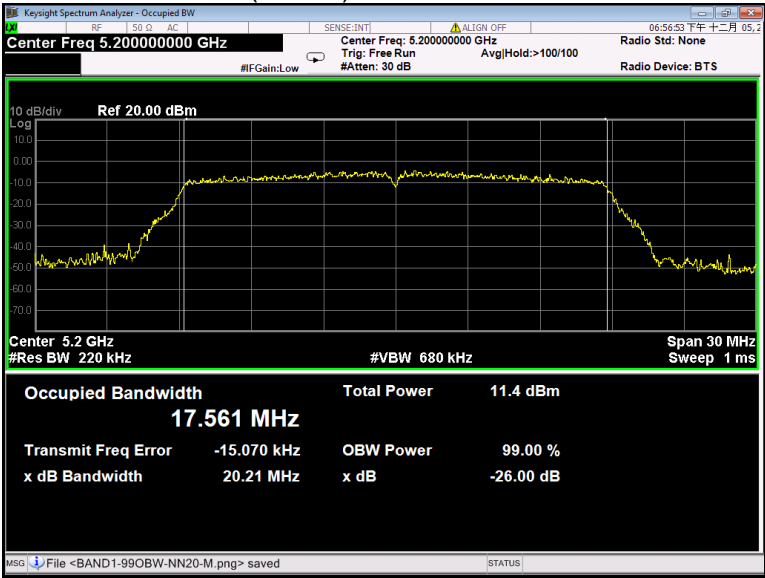
802.11n(HT40) U-NII-1 High channel



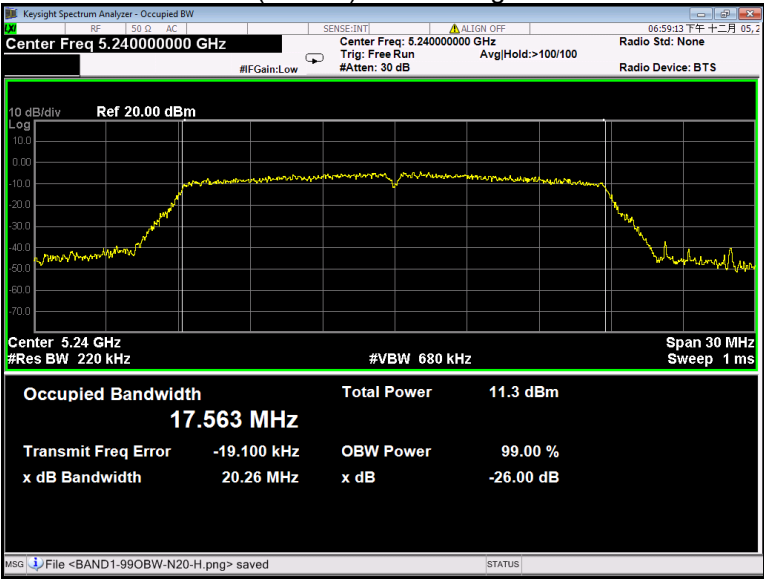
802.11ac(VHT20) U-NII-1 Low channel



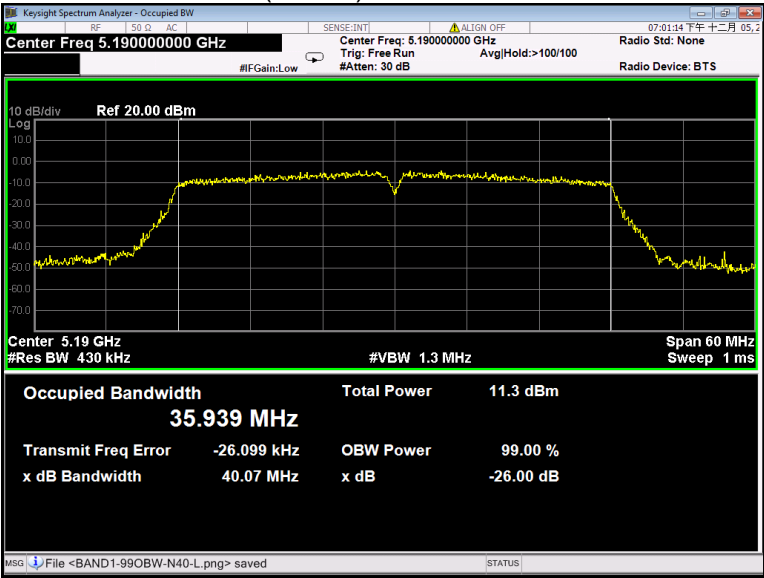
802.11ac(VHT20) U-NII-1 Middle channel



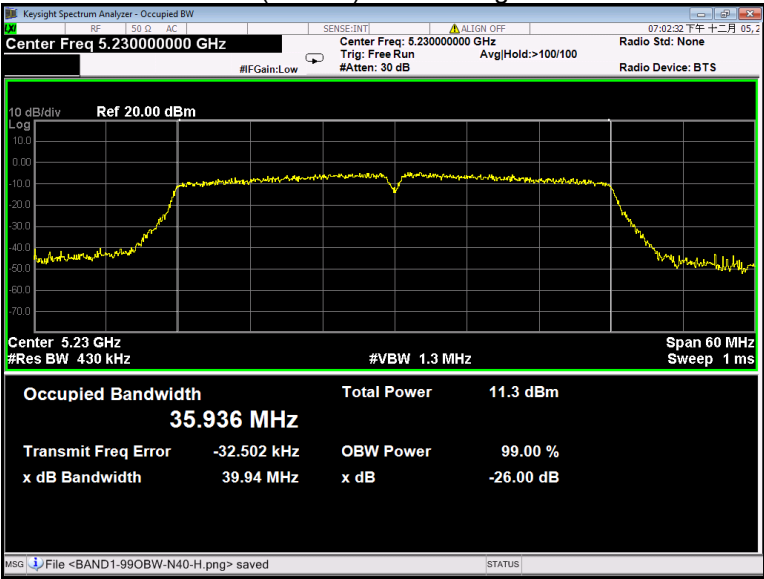
802.11ac(VHT20) U-NII-1 High channel



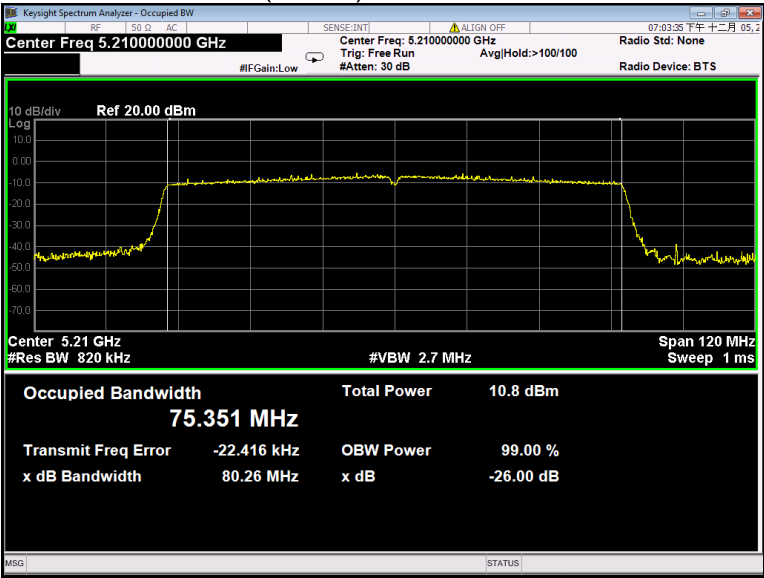
802.11ac(VHT40) U-NII-1 Low channel



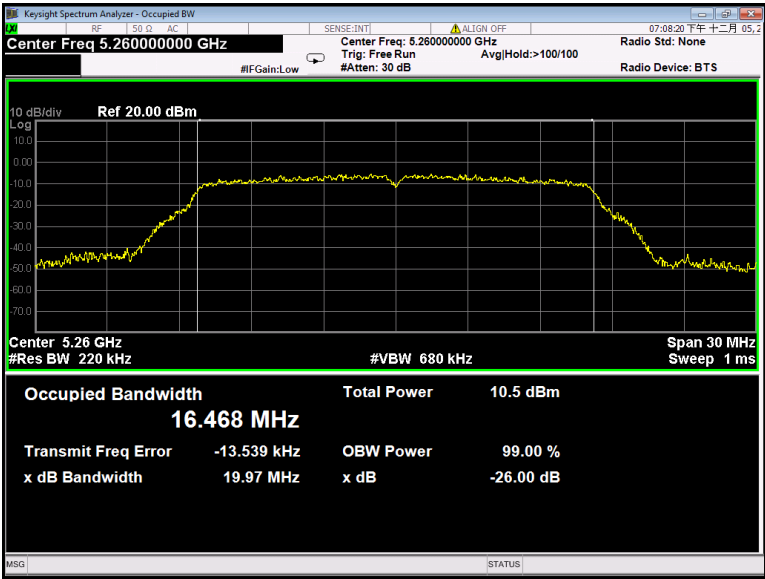
802.11 ac(VHT40) U-NII-1 High channel



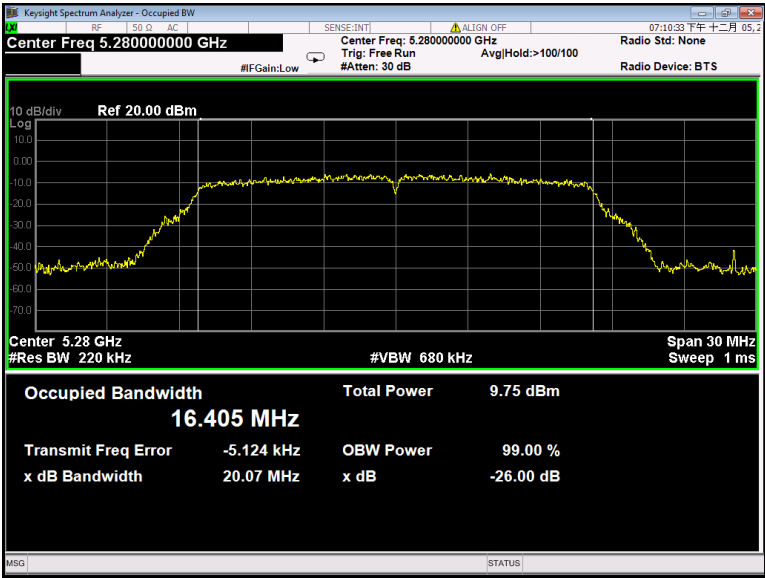
802.11ac(VHT80) U-NII-1 Low channel



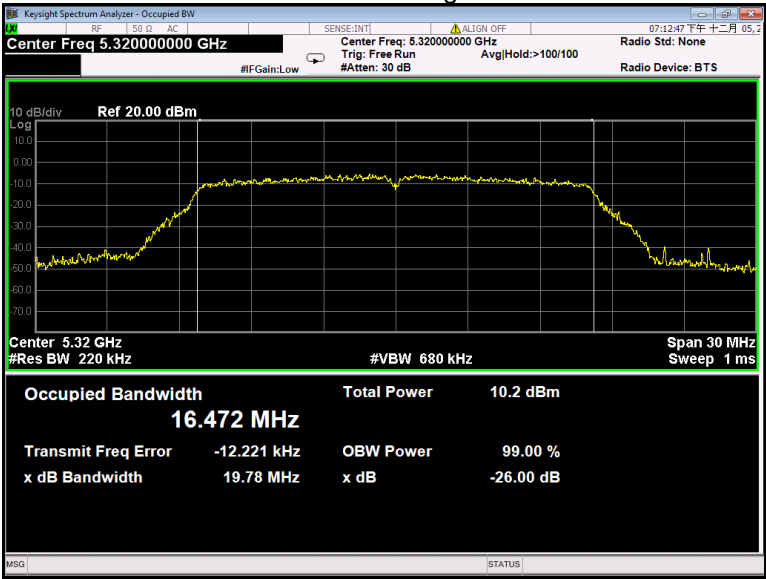
802.11a U-NII-2A Low channel



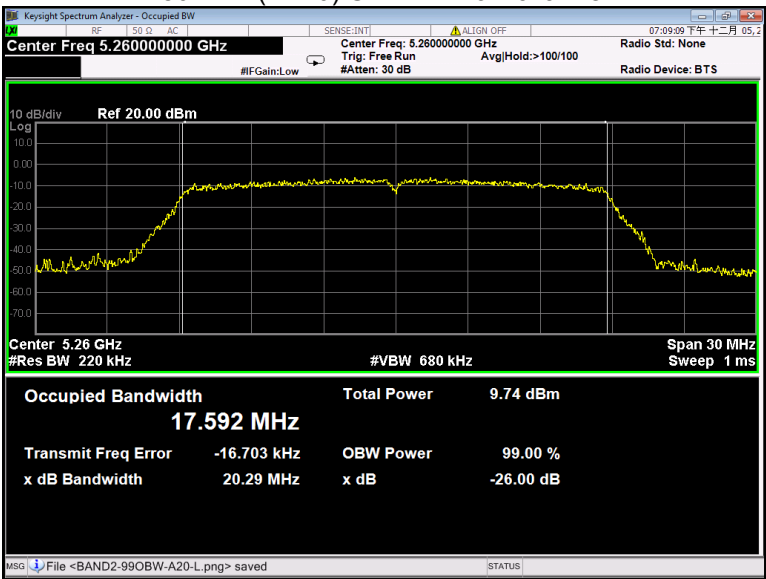
802.11a U-NII-2A Middle channel



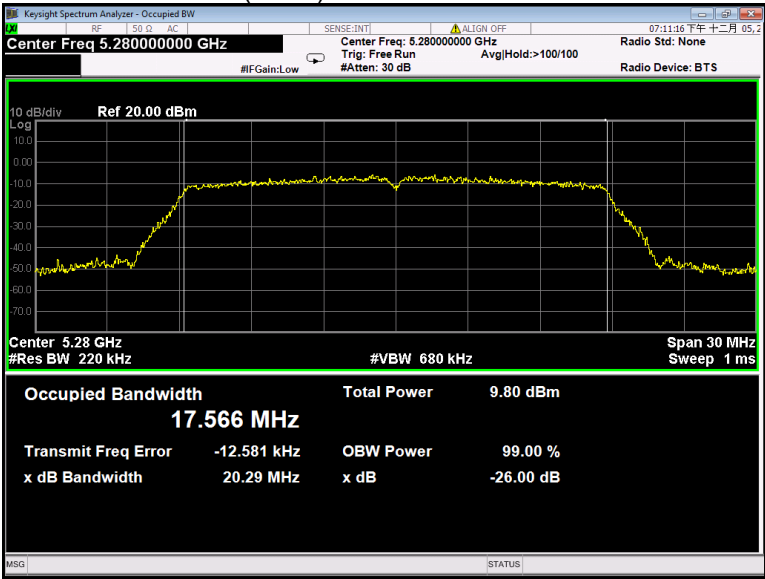
802.11a U-NII-2A High channel



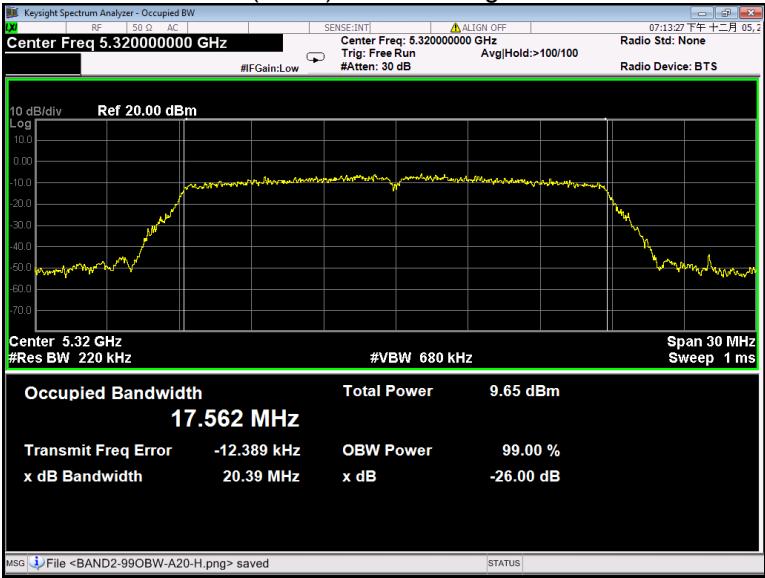
802.11n(HT20) U-NII-2A Low channel



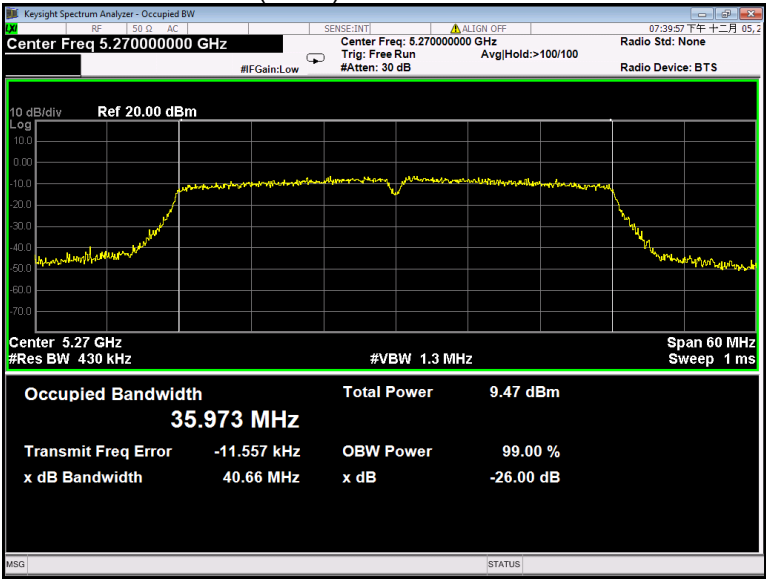
802.11n(HT20) U-NII-2A Middle channel



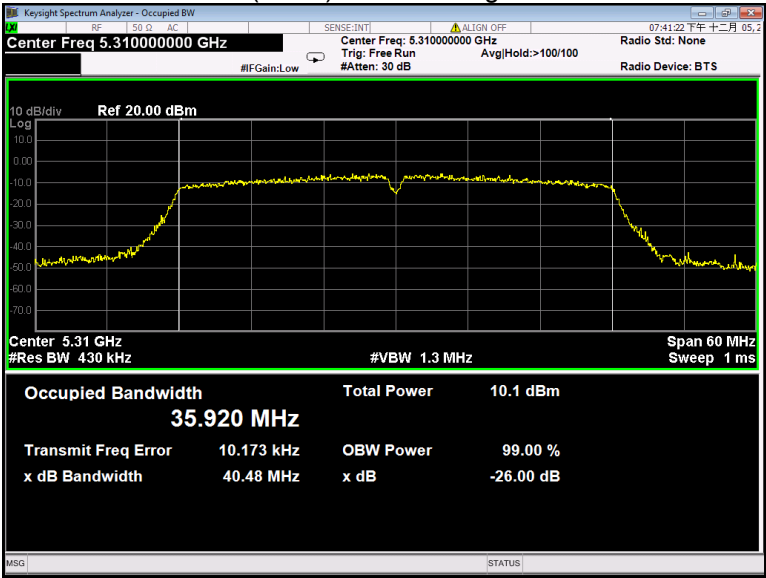
802.11n(HT20) U-NII-2A High channel



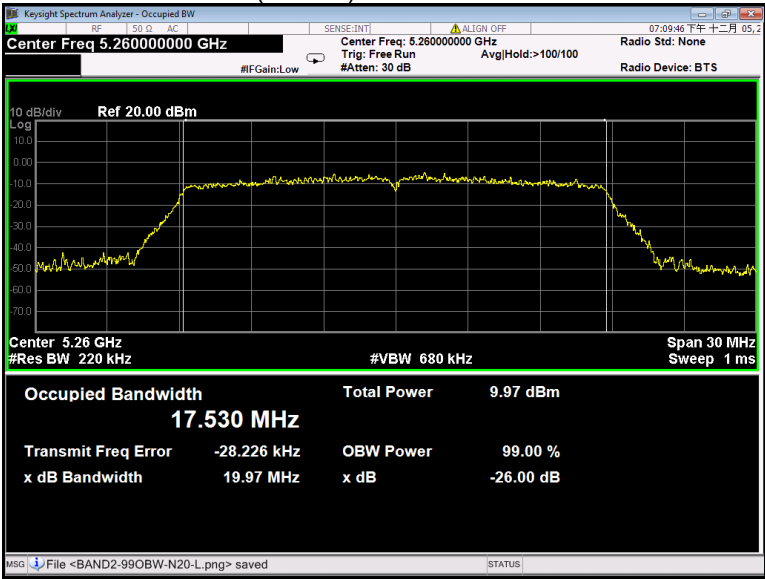
802.11n(HT40) U-NII-2A Low channel



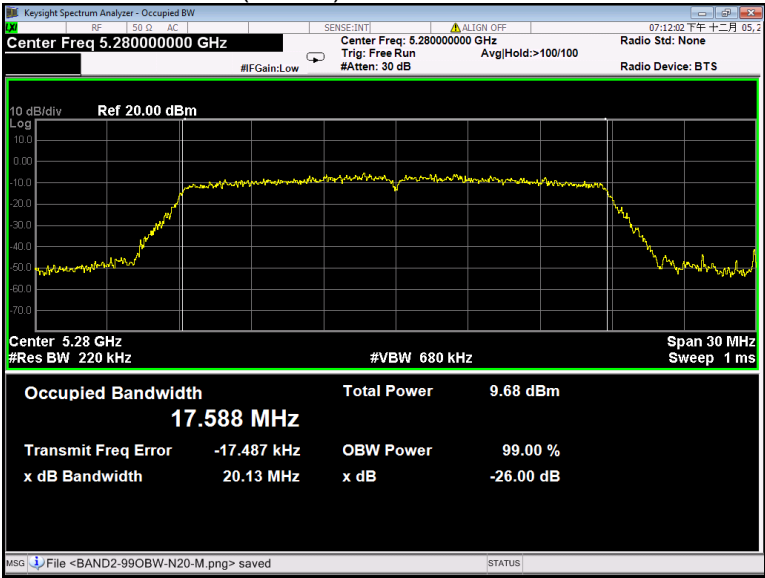
802.11n(HT40) U-NII-2A High channel



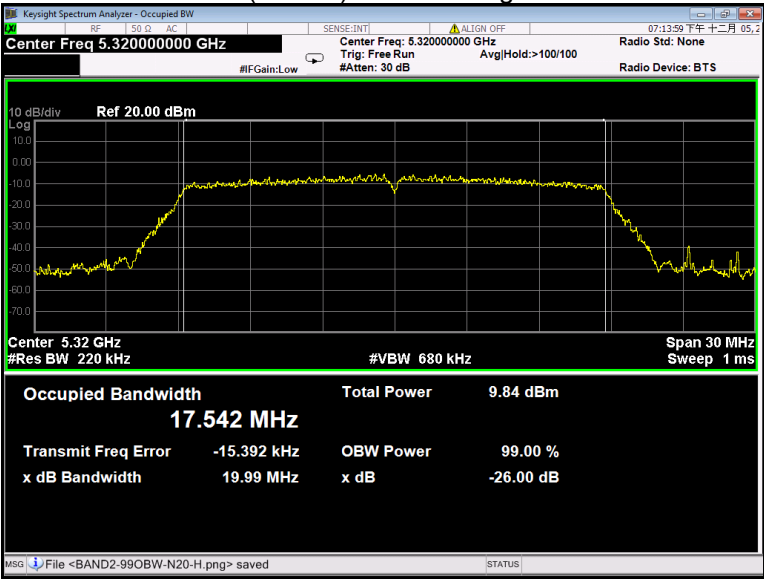
802.11ac(VHT20) U-NII-2A Low channel



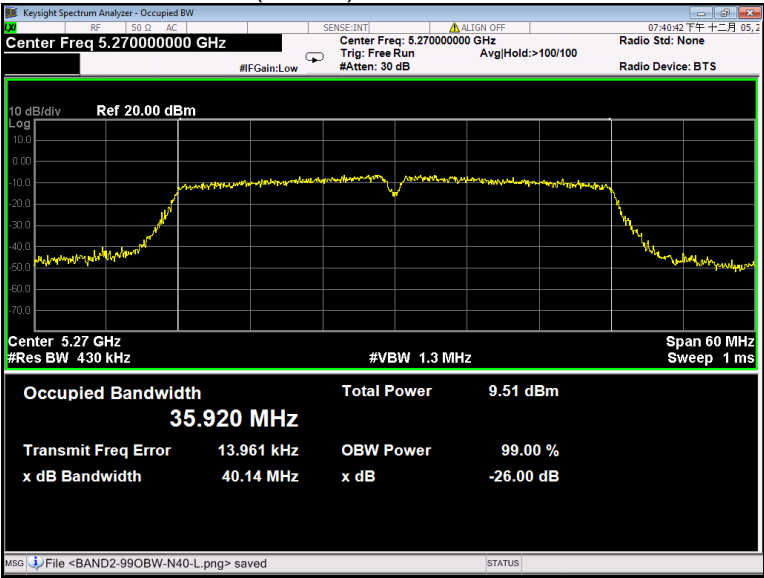
802.11ac(VHT20) U-NII-2A Middle channel



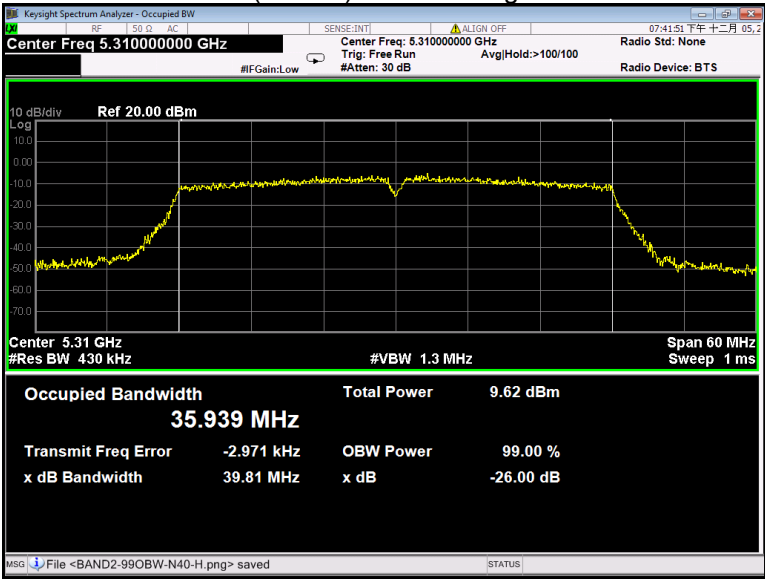
802.11ac(VHT20) U-NII-2A High channel



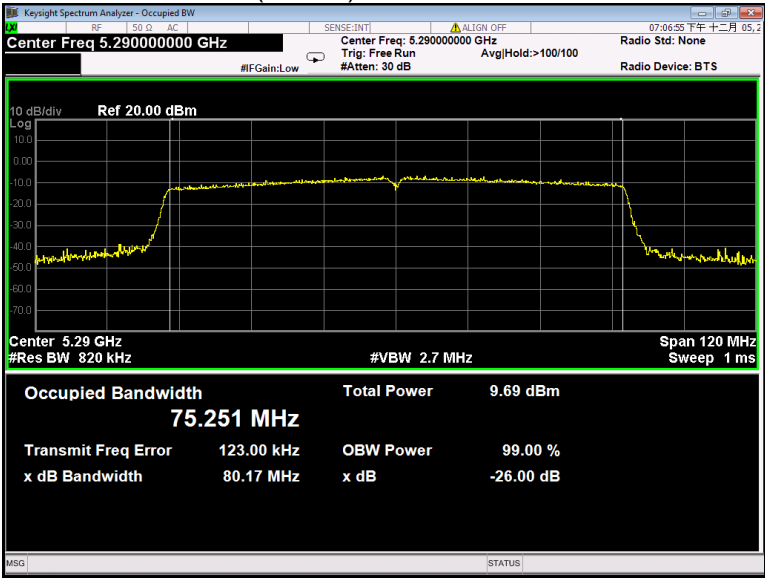
802.11ac(VHT40) U-NII-2A Low channel



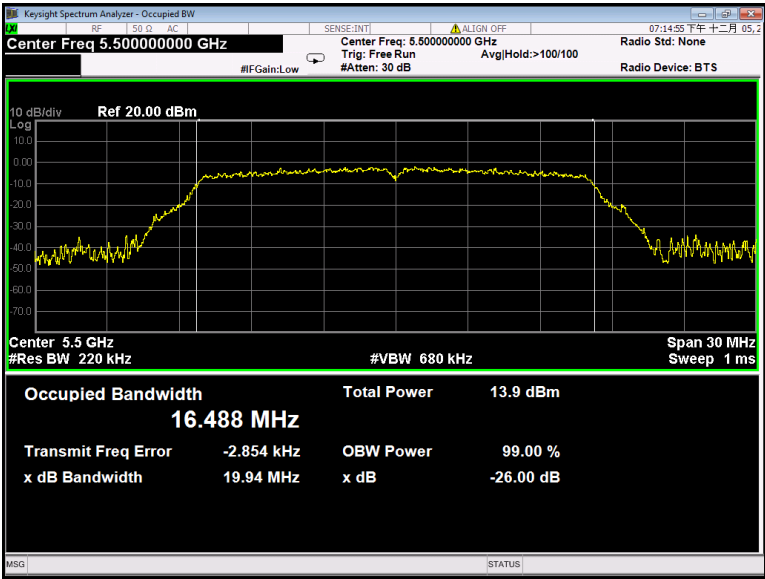
802.11ac(VHT40) U-NII-2A High channel



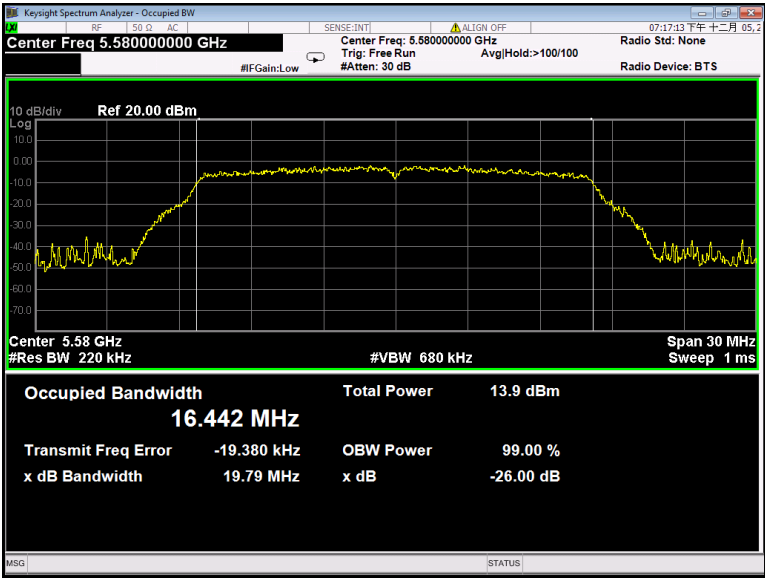
802.11ac(VHT80) U-NII-2A Low channel



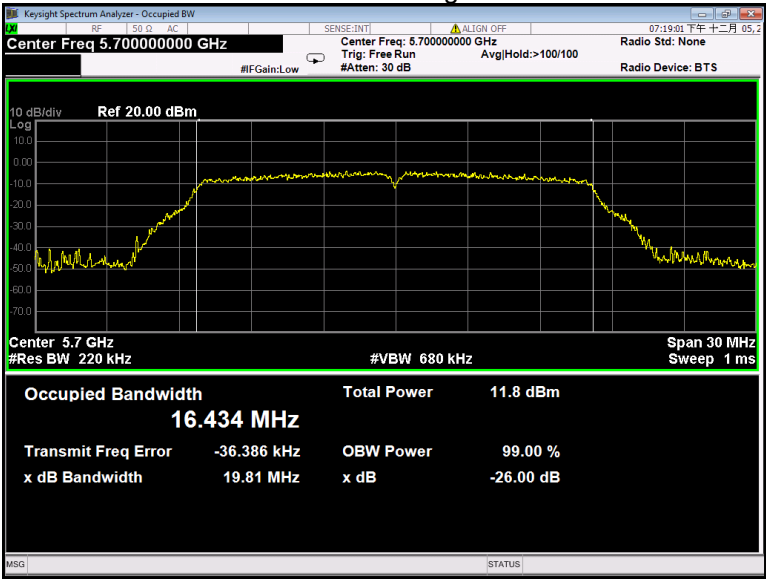
802.11a U-NII-2C Low channel



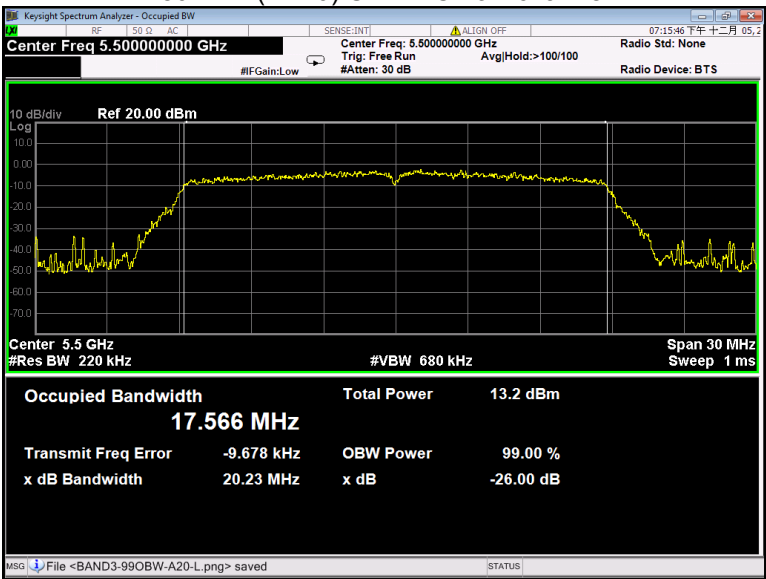
802.11a U-NII-2C Middle channel



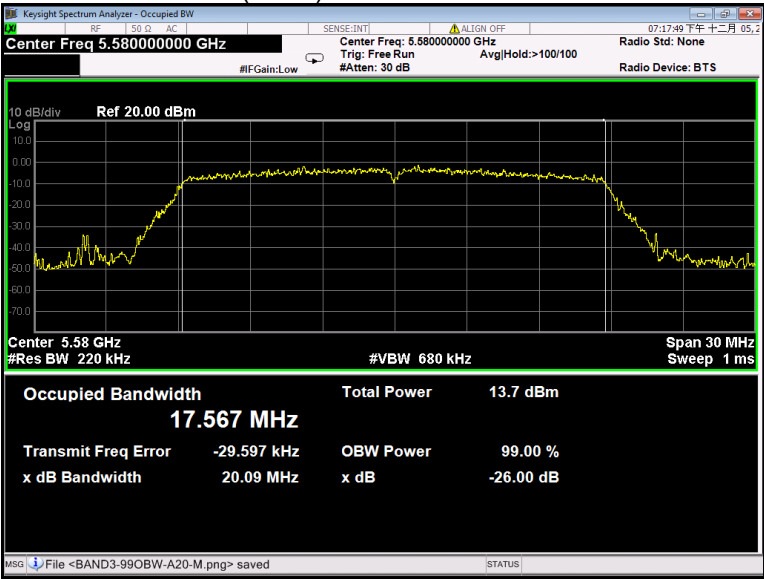
802.11a U-NII-2C High channel



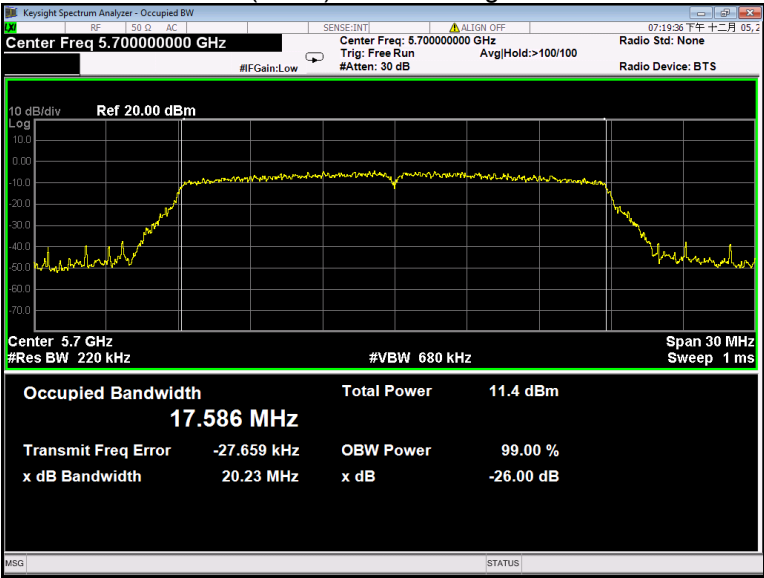
802.11n(HT20) U-NII-2C Low channel



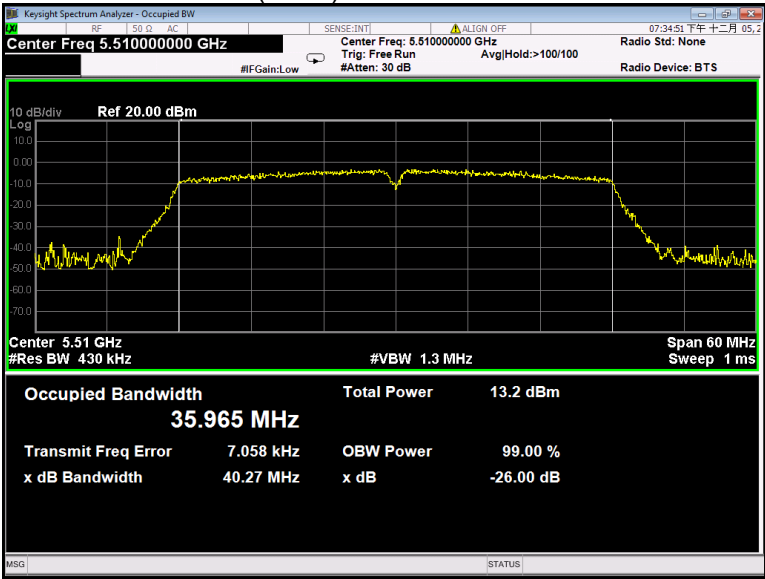
802.11n(HT20) U-NII-2C Middle channel



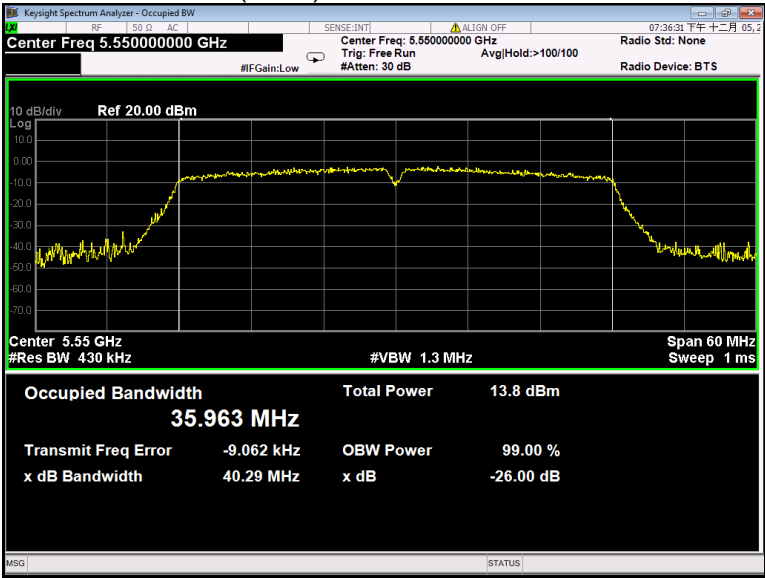
802.11n(HT20) U-NII-2C High channel



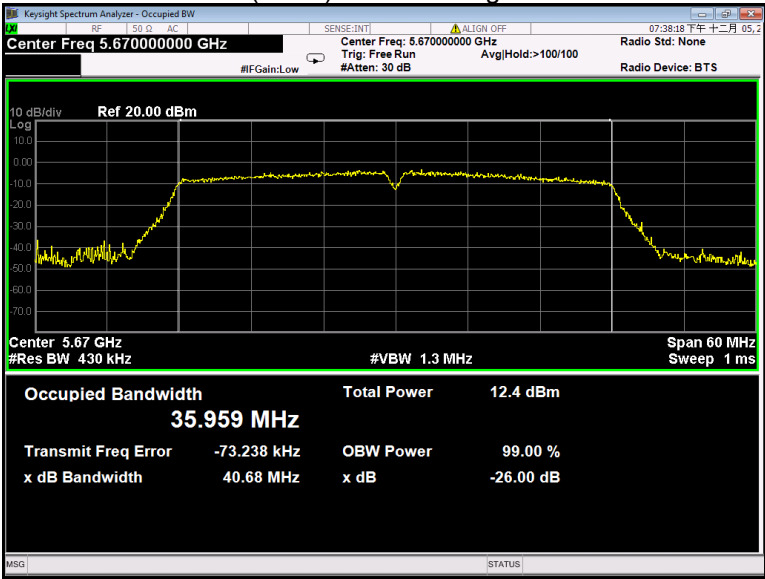
802.11n(HT40) U-NII-2C Low channel



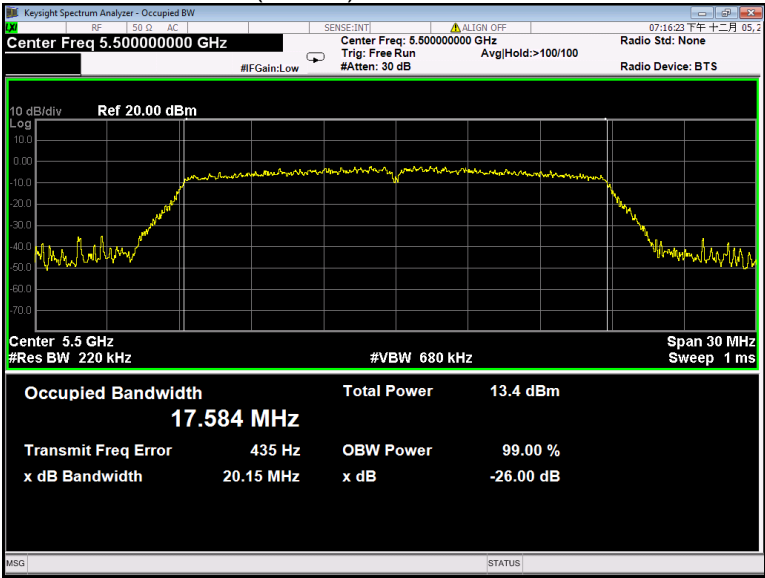
802.11n(HT40) U-NII-2C Middle channel



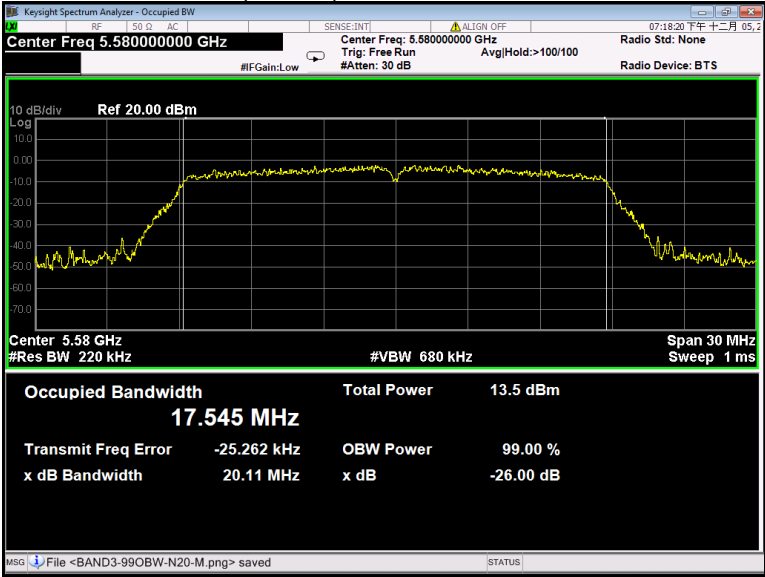
802.11n(HT40) U-NII-2C High channel



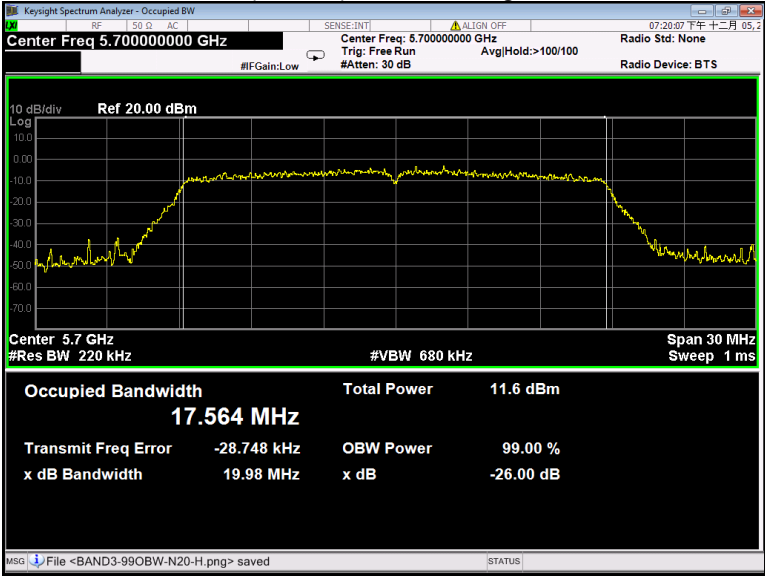
802.11ac(VHT20) U-NII-2C Low channel



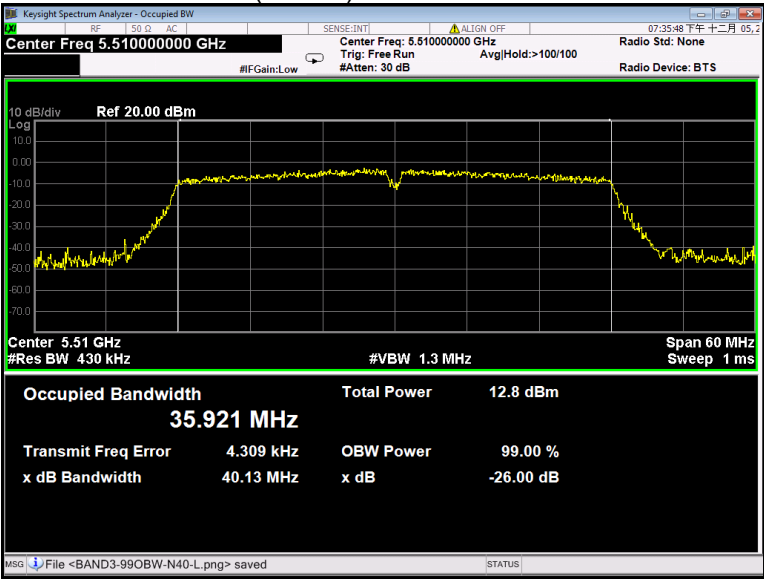
802.11ac(VHT20) U-NII-2C Middle channel



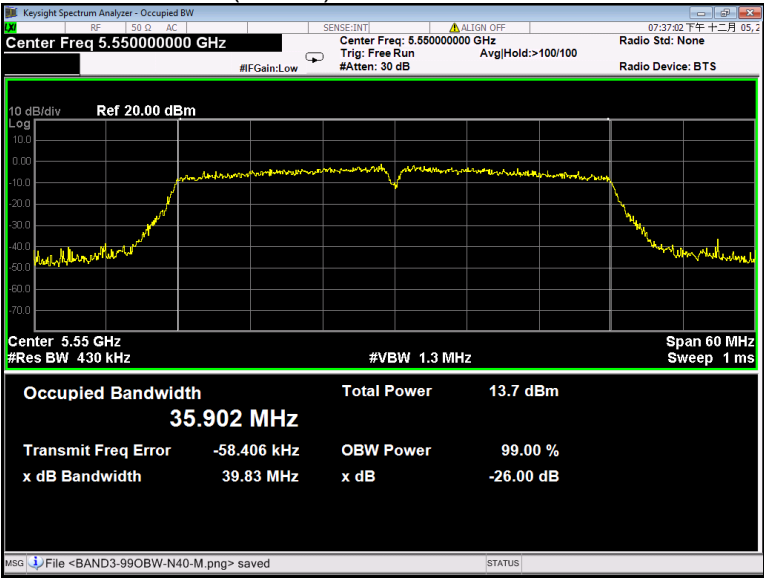
802.11ac(VHT20) U-NII-2C High channel



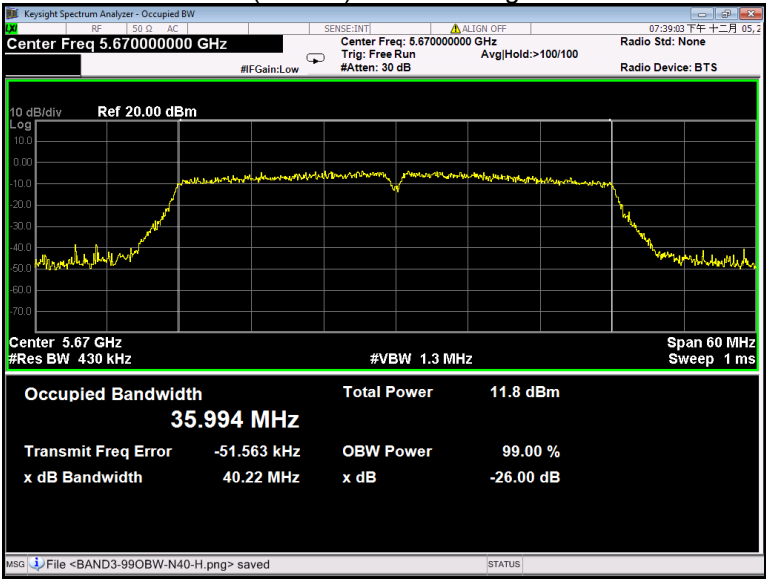
802.11ac(VHT40) U-NII-2C Low channel



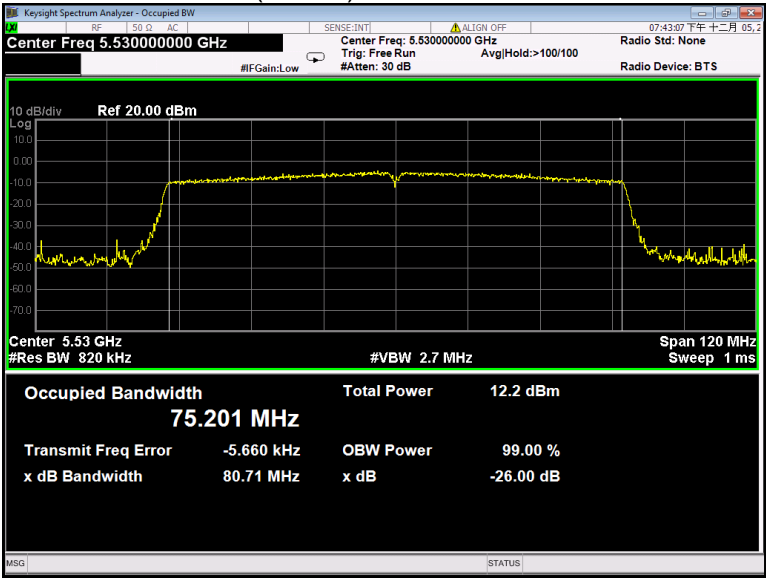
02.11ac(VHT40) U-NII-2C Middle channel



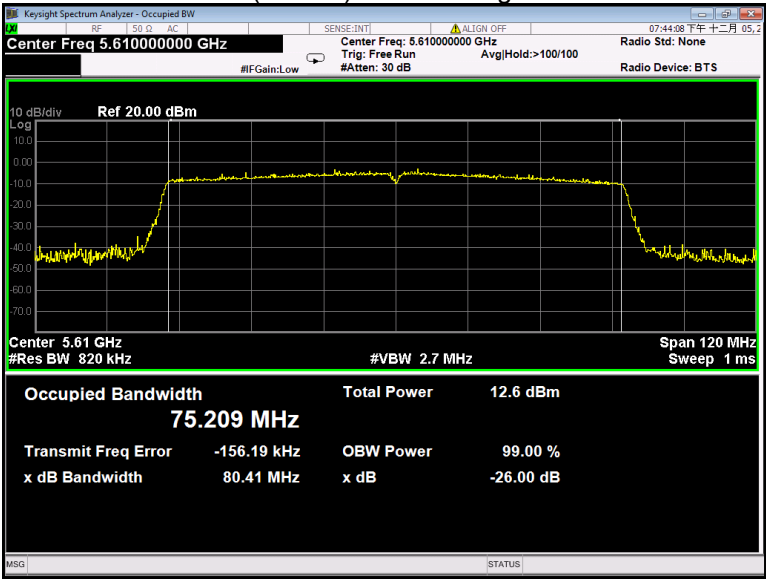
802.11ac(VHT40) U-NII-2C High channel



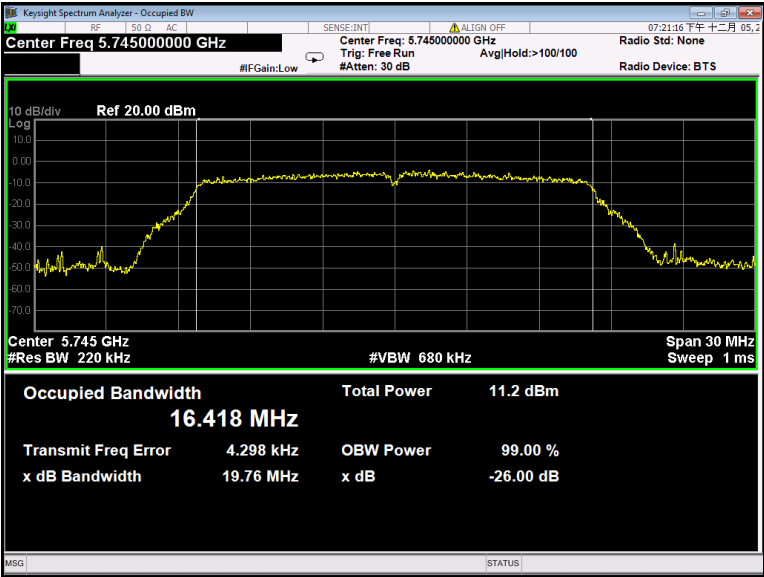
802.11ac(VHT80) U-NII-2C Low channel



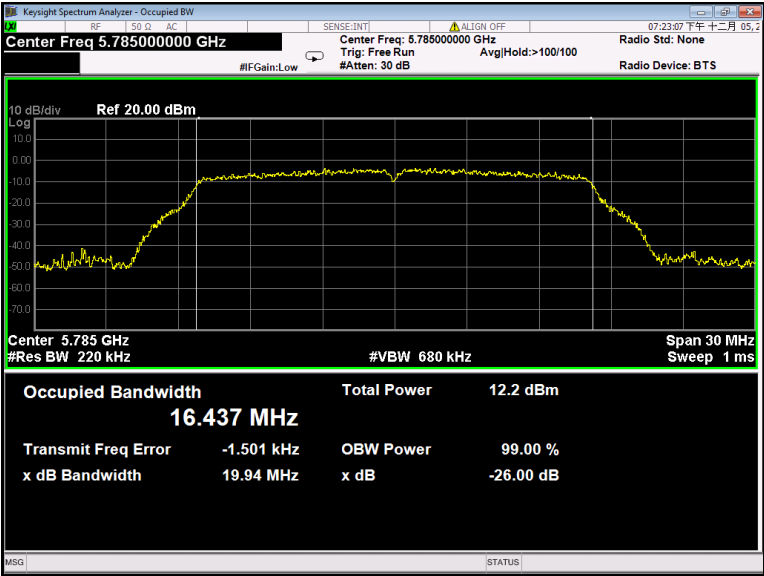
802.11ac(VHT80) U-NII-2C High channel



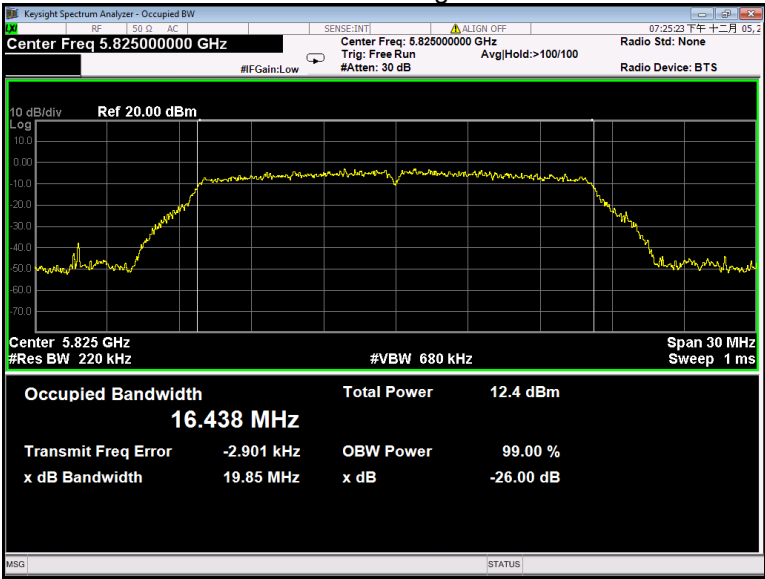
99% Occupied Bandwidth
802.11a U-NII-3 Low channel



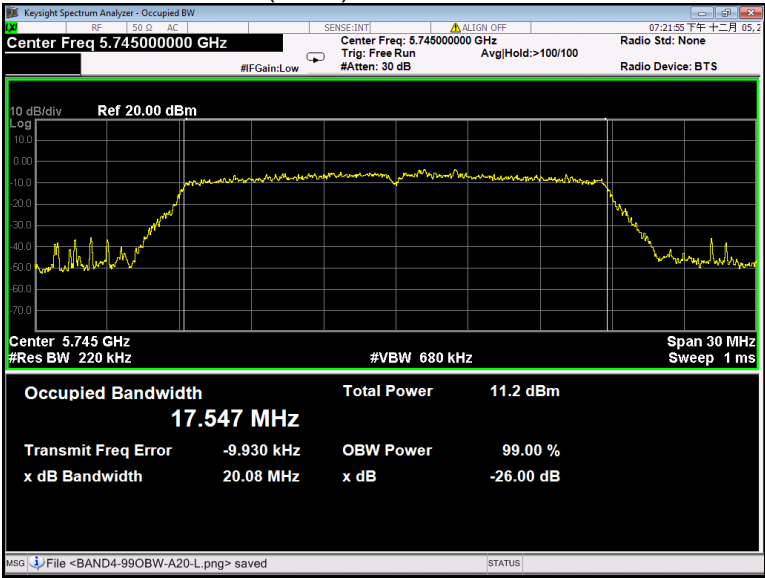
802.11a U-NII-3 Middle channel



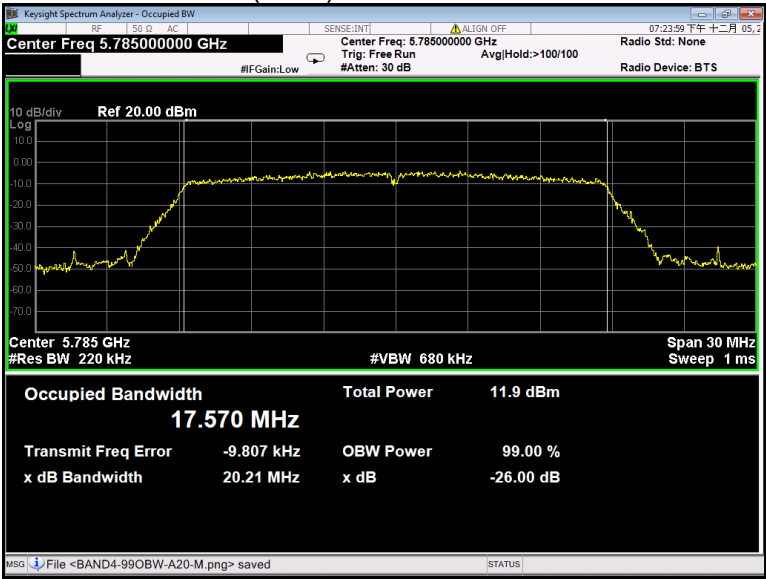
802.11a U-NII-3 High channel



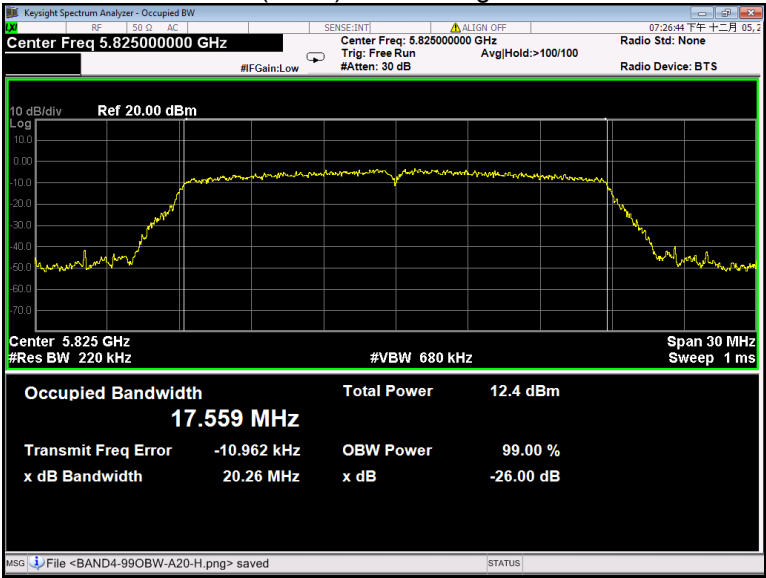
802.11n(HT20) U-NII-3 Low channel



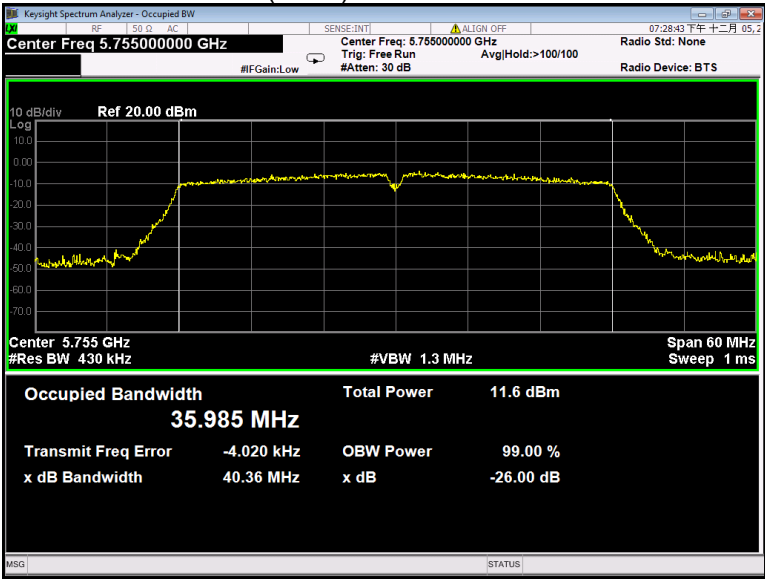
802.11n(HT20) U-NII-3 Middle channel



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



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



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

