

TEST REPORT

Reference No. : WTH25D05129816W003
FCC ID..... : 2BPVP-YX-K77
Applicant : Guangzhou YiXian Technology Co., Ltd.
Address : 301, No.283, Longxi Avenue, Liwan District, Guangzhou, 510375, China
Manufacturer : Guangzhou YiXian Technology Co., Ltd.
Address : 301, No.283, Longxi Avenue, Liwan District, Guangzhou, 510375, China
Product Name : Ai customized vending machine for phone cases
Model No. : K77, K114
Standards..... : FCC 47CFR Part 15 Section 15.407
Date of Receipt Sample : 2025-05-23
Date of Test..... : 2025-06-20 to 2026-02-02
Date of Issue : 2026-02-04
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
WTH25D05129816W003	2025-05-23	2025-06-20 to 2026-02-02	2026-02-04	original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	Ai customized vending machine for phone cases
Model(s):	K77, K114
Model Description:	Only the appearance, dimensions, display screen position and outlet position are different; all other specifications remain the same. Model K77 and K114 were tested in this report.
Test Sample No.:	1-1/1
Wi-Fi Specification:	5G-802.11a/n(HT20/40)/ac(VHT20/40/80)
Hardware Version:	V2.01
Software Version:	V1.5.4

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: Ant. 1: 15.45dBm; Ant.2: 15.54dBm U-NII-2A: Ant. 1:15.75dBm; Ant.2: 16.06dBm U-NII-2C: Ant. 1: 16.04dBm; Ant.2: 16.01dBm U-NII-3: Ant. 1:17.47dBm; Ant.2: 17.04dBm MIMO: U-NII-1:18.51dBm U-NII-2A:18.91dBm U-NII-2C:19.04dBm U-NII-3:20.46dBm
MIMO Power Limit:	If all antennas have the same gain, GANT, Directional gain = GANT + Array Gain, where Array Gain is as follows. For power measurements on IEEE 802.11 devices, 1,2 Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4; Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT; Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less, for 20-MHz channel widths with NANT ≥ 5. According to ANSI C63.10 clause 14.6.3.1, Directional gain=antenna gain + 10log(N)=2.5 + 10log2= 5.51dBi N is number of array elements or staves According to ANSI C63.10 clause 11.7, The Directional gain is 5.51dBi that less than 6dBi, Limit of power (SUM) is U-NII-1:30dBm; U-NII-2A: 24dBm U-NII-2C: 24dBm U-NII-3:30dBm
MIMO PSD Limit:	If all antennas have the same gain, GANT, Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB.
According to ANSI C63.10 clause 14.6.3.1,
Directional gain=antenna gain + $10\log(\text{N})=2.5 + 10\log 2= 5.51\text{dBi}$
N is number of array elements or staves

According to ANSI C63.10 clause 11.7,
The Directional gain is 5.51dBi that less than 6dBi, Limit of PSD (SUM)
is U-NII-1: 11dBm; U-NII-2A: 11dBm U-NII-2C: 11dBm U-NII-3: 30dBm.

Type of Modulation: 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)
802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)

Antenna installation: External antenna with RP-SMA connector

Antenna Gain: Ant.1: 2.5dBi;
Ant.2: 2.5dBi

Note:

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

Ratings: 100-120 Va.c.50/60Hz 2.5A;
Or 220-230 Va.c.50/60Hz 1.5A

DFS Function: Yes

TPC Function: Not support

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(HT20)/ac(VHT20):

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

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

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

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

For 802.11n(HT40)/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 software is TermAssist and SecureCRT tool Use together.

Test Items	Mode	Data Rate	TX/RX
Radiated Emissions	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	MCS0	TX
Duty Cycle	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	MCS0	TX
Band Edge	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	MCS0	TX
6dB Bandwidth	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	MCS0	TX
26dB Bandwidth and 99% Occupied Bandwidth	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	MCS0	TX
Maximum Conducted Output Power	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	MCS0	TX
Power Spectral Density	802.11a(HT20)	6 Mbps	TX
	802.11n(HT20/40)/ac(VHT20/40/80)	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	2024-07-18 2025-07-04	2025-07-17 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	2025-07-04	2026-07-03
3	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	2024-07-18 2025-07-04	2025-07-17 2026-07-03
4	Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	-	2024-07-21 2025-07-20	2025-07-20 2026-07-19
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2024-08-10 2025-08-09	2025-08-09 2026-08-08
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2024-07-18 2025-07-04	2025-07-17 2026-07-03
7	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	2024-07-18 2025-07-04	2025-07-17 2026-07-03
8	Coaxial Cable (above 1GHz)	ZT26-NJ-NJ-8M/FA	1GHz-18GHz	NA	2025-04-19	2026-04-18
9	Microwave Broadband Preamplifier	SCHWARZBECK	BBV 9721	100472	2024-07-18 2025-07-04	2025-07-17 2026-07-03
10	Spectrum Analyzer	R&S	FSP40	100501	2024-07-18 2025-07-04	2025-07-17 2026-07-03
11.	Coaxial Cable	Top	ZT40-2.92J-2.92J-2.0M	17100919	2024-07-18 2025-07-04	2025-07-17 2026-07-03
12.	Test software	EZ-EMC	RA-03A1-1	-	N/A	N/A
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	2024-11-04 2025-07-05	2025-11-03 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	2024-11-04 2025-07-05	2025-11-03 2026-07-04
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~25000MHz)
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

ANT1

Type of Modulation	On time ms	Period ms	Duty Cycle linear	Duty Cycle %	Duty Cycle Factor(dB)	Average Factor(dB)
U-NII-1 802.11a	1.380	1.550	0.89	89.03	0.50	-1.01
U-NII-1 802.11n(HT20)	1.295	1.470	0.88	88.10	0.55	-1.10
U-NII-1 802.11n(HT40)	0.645	0.800	0.81	80.63	0.94	-1.87
U-NII-1 802.11ac(VHT20)	1.310	1.475	0.89	88.81	0.52	-1.03
U-NII-1 802.11ac(VHT40)	0.648	0.821	0.79	78.93	1.03	-2.06
U-NII-1 802.11ac(VHT80)	0.3214	0.4747	0.68	67.71	1.69	-3.39
U-NII-2A 802.11a	1.386	1.628	0.85	85.14	0.70	-1.40
U-NII-2A 802.11n(HT20)	1.296	1.503	0.86	86.23	0.64	-1.29
U-NII-2A 802.11n(HT40)	0.644	0.812	0.79	79.31	1.01	-2.01
U-NII-2A 802.11ac(VHT20)	1.306	1.483	0.88	88.06	0.55	-1.10
U-NII-2A 802.11ac(VHT40)	0.647	0.812	0.80	79.68	0.99	-1.97
U-NII-2A 802.11ac(VHT80)	0.3214	0.4839	0.66	66.42	1.78	-3.55
U-NII-2C 802.11a	1.391	1.568	0.89	88.71	0.52	-1.04
U-NII-2C 802.11n(HT20)	1.296	1.473	0.88	87.98	0.56	-1.11
U-NII-2C 802.11n(HT40)	0.641	0.806	0.80	79.53	0.99	-1.99
U-NII-2C 802.11ac(VHT20)	1.306	1.483	0.88	88.06	0.55	-1.10
U-NII-2C 802.11ac(VHT40)	0.650	0.815	0.80	79.75	0.98	-1.96
U-NII-2C 802.11ac(VHT80)	0.3214	0.4854	0.66	66.21	1.79	-3.58

U-NII-3 802.11a	1.386	1.556	0.89	89.07	0.50	-1.00
U-NII-3 802.11n(HT20)	1.296	1.478	0.88	87.69	0.57	-1.14
U-NII-3 802.11n(HT40)	0.644	0.809	0.80	79.60	0.99	-1.98
U-NII-3 802.11ac(VHT20)	1.305	1.47	0.89	88.78	0.52	-1.03
U-NII-3 802.11ac(VHT40)	0.647	0.812	0.80	79.68	0.99	-1.97
U-NII-3 802.11ac(VHT80)	0.3214	0.4839	0.66	66.42	1.78	-3.55

ANT2

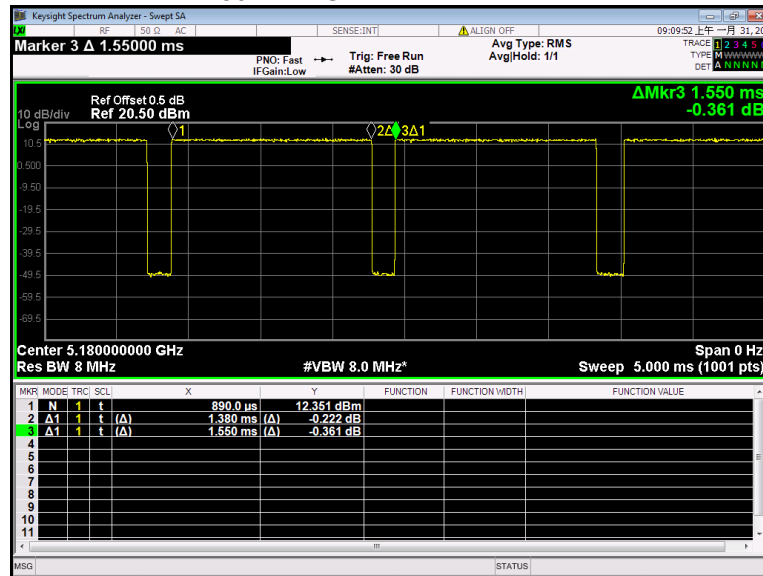
Type of Modulation	On time ms	Period ms	Duty Cycle linear	Duty Cycle %	Duty Cycle Factor(dB)	Average Factor(dB)
U-NII-1 802.11a	1.390	1.555	0.89	89.39	0.49	-0.97
U-NII-1 802.11n(HT20)	1.295	1.530	0.85	84.64	0.72	-1.45
U-NII-1 802.11n(HT40)	0.645	0.809	0.80	79.73	0.98	-1.97
U-NII-1 802.11ac(VHT20)	1.305	1.535	0.85	85.02	0.70	-1.41
U-NII-1 802.11ac(VHT40)	0.648	0.812	0.80	79.80	0.98	-1.96
U-NII-1 802.11ac(VHT80)	0.3214	0.4839	0.66	66.42	1.78	-3.55
U-NII-2A 802.11a	1.386	1.558	0.89	88.96	0.51	-1.02
U-NII-2A 802.11n(HT20)	1.296	1.468	0.88	88.28	0.54	-1.08
U-NII-2A 802.11n(HT40)	0.644	0.809	0.80	79.60	0.99	-1.98
U-NII-2A 802.11ac(VHT20)	1.306	1.473	0.89	88.66	0.52	-1.05
U-NII-2A 802.11ac(VHT40)	0.647	0.824	0.79	78.52	1.05	-2.10
U-NII-2A 802.11ac(VHT80)	0.3214	0.5207	0.62	61.72	2.10	-4.19
U-NII-2C 802.11a	1.386	1.583	0.88	87.56	0.58	-1.15
U-NII-2C 802.11n(HT20)	1.291	1.473	0.88	87.64	0.57	-1.15
U-NII-2C 802.11n(HT40)	0.644	0.809	0.80	79.60	0.99	-1.98
U-NII-2C 802.11ac(VHT20)	1.306	1.488	0.88	87.77	0.57	-1.13
U-NII-2C 802.11ac(VHT40)	0.650	0.815	0.80	79.75	0.98	-1.96
U-NII-2C 802.11ac(VHT80)	0.3214	0.4839	0.66	66.42	1.78	-3.55

U-NII-3 802.11a	1.391	1.558	0.89	89.28	0.49	-0.98
U-NII-3 802.11n(HT20)	1.296	1.473	0.88	87.98	0.56	-1.11
U-NII-3 802.11n(HT40)	0.644	0.809	0.80	79.60	0.99	-1.98
U-NII-3 802.11ac(VHT20)	1.31	1.475	0.89	88.81	0.52	-1.03
U-NII-3 802.11ac(VHT40)	0.647	0.815	0.79	79.39	1.00	-2.01
U-NII-3 802.11ac(VHT80)	0.3214	0.4931	0.65	65.18	1.86	-3.72

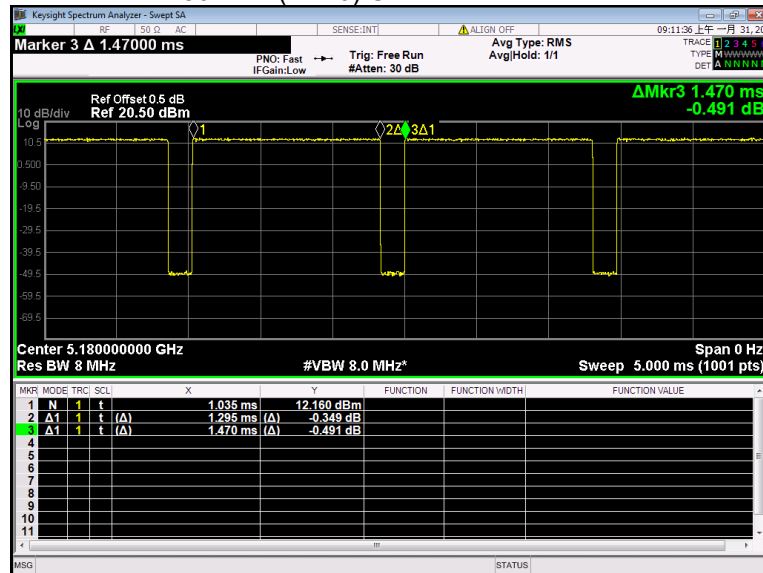
Test result plots shown as follows:

ANT 1

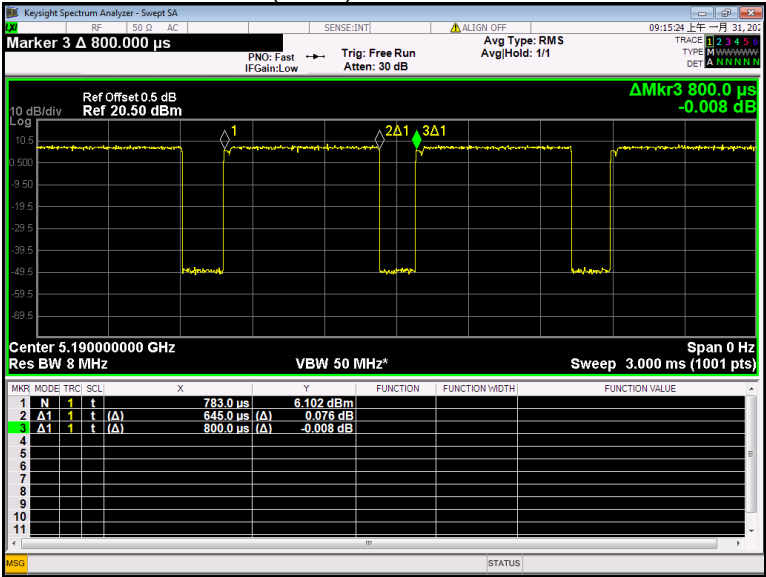
802.11a U-NII-1 Low channel



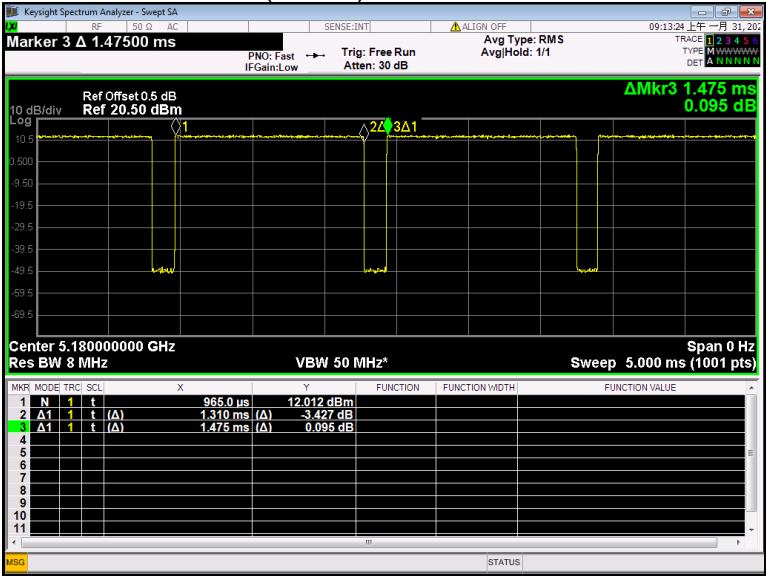
802.11n(HT20) U-NII-1 Low channel



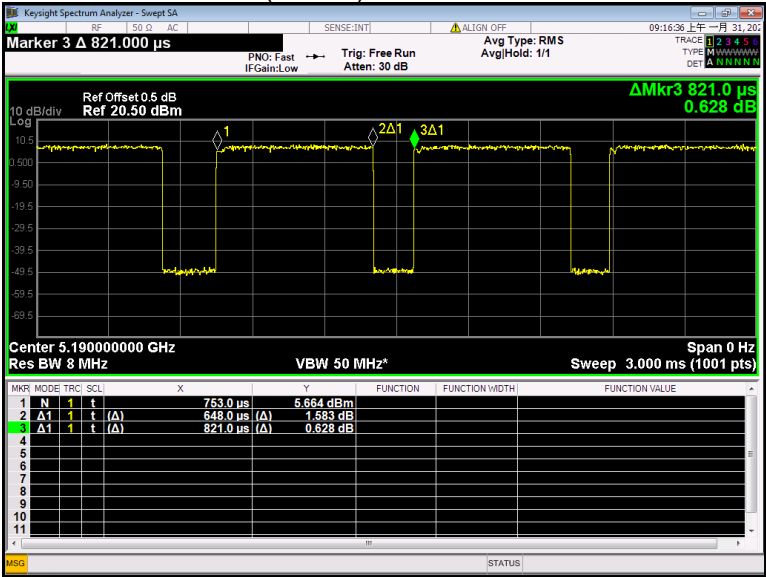
802.11n(HT40) U-NII-1 Low channel



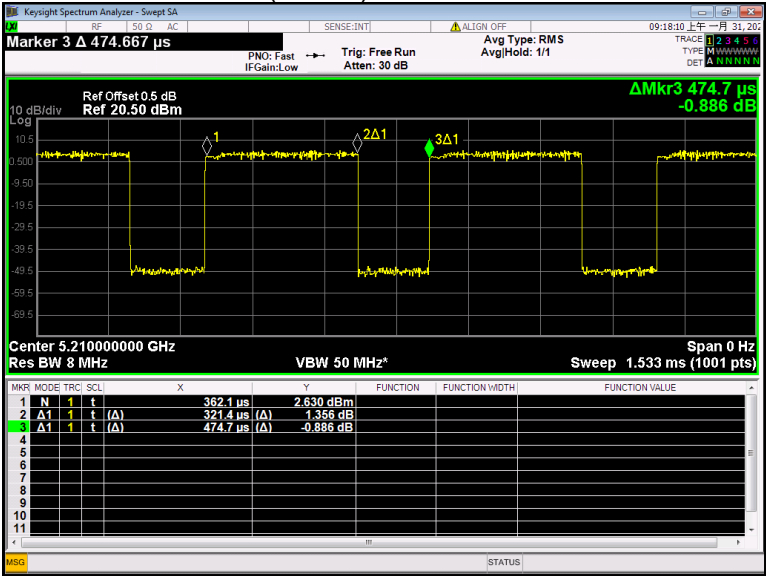
802.11ac(VHT20) U-NII-1 Low channel



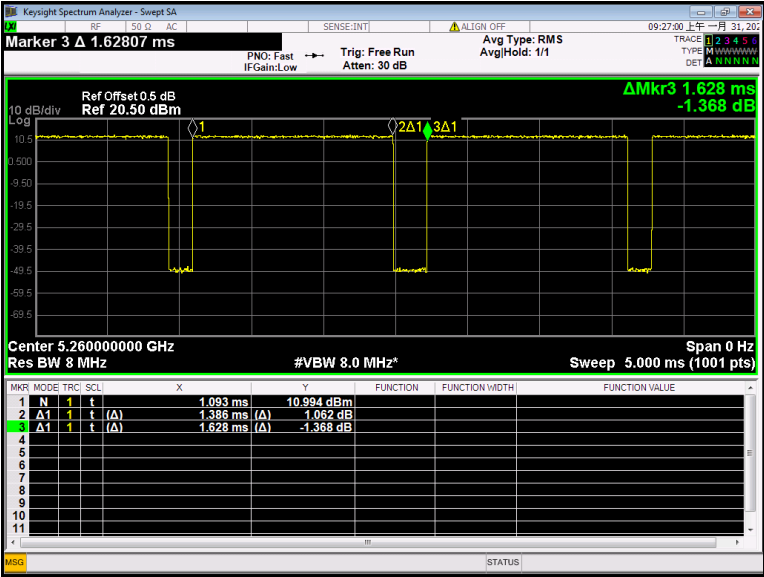
802.11ac(VHT40) U-NII-1 Low channel



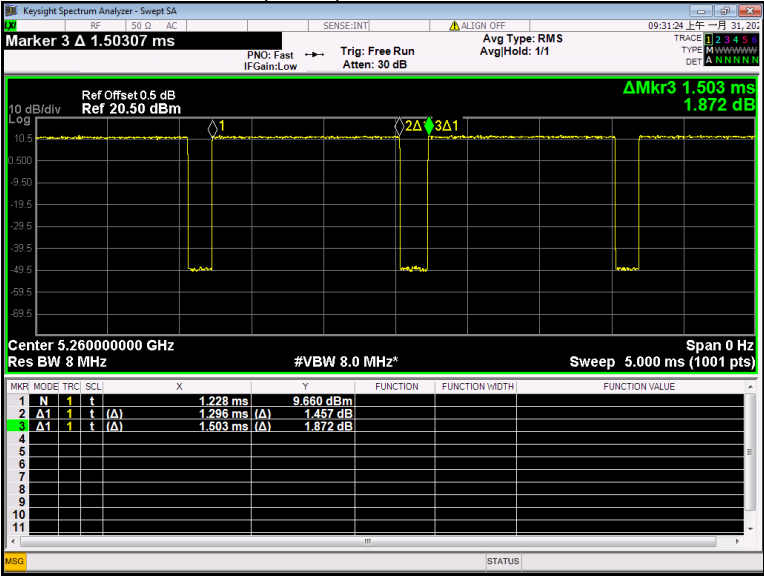
802.11ac(VHT80) U-NII-1 Low channel



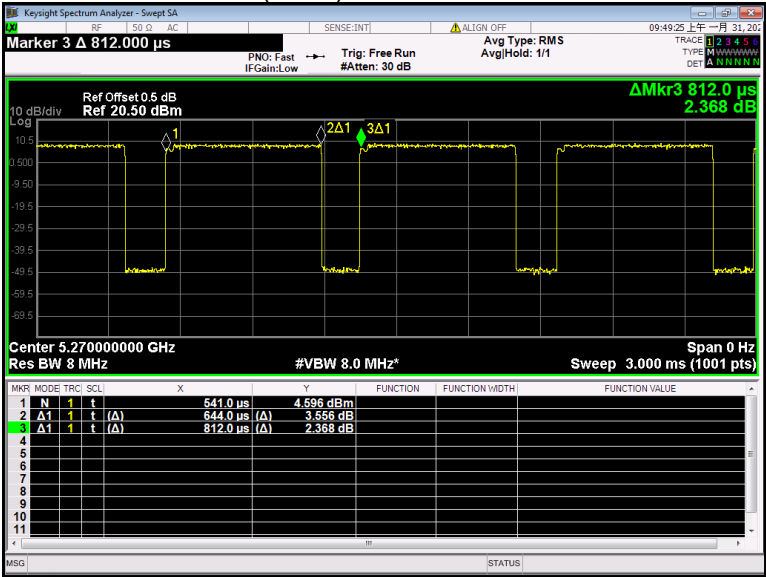
802.11a U-NII-2A Low channel



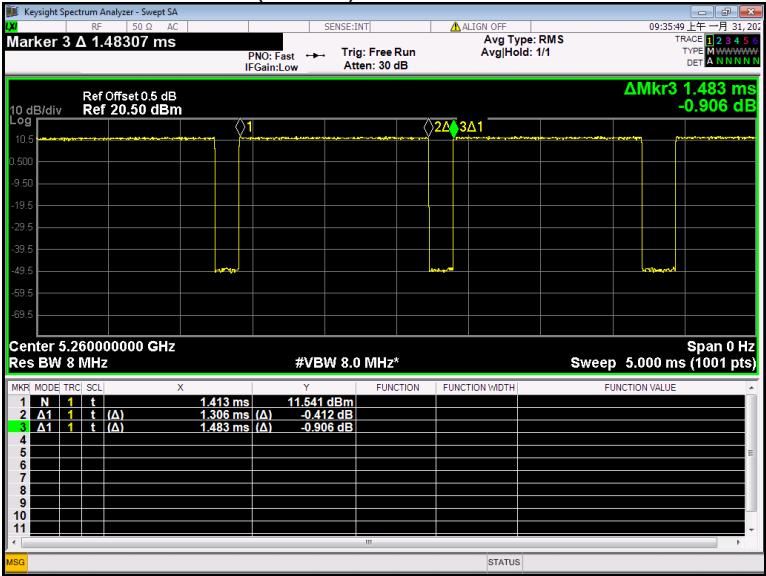
802.11n(HT20) U-NII-2A Low channel



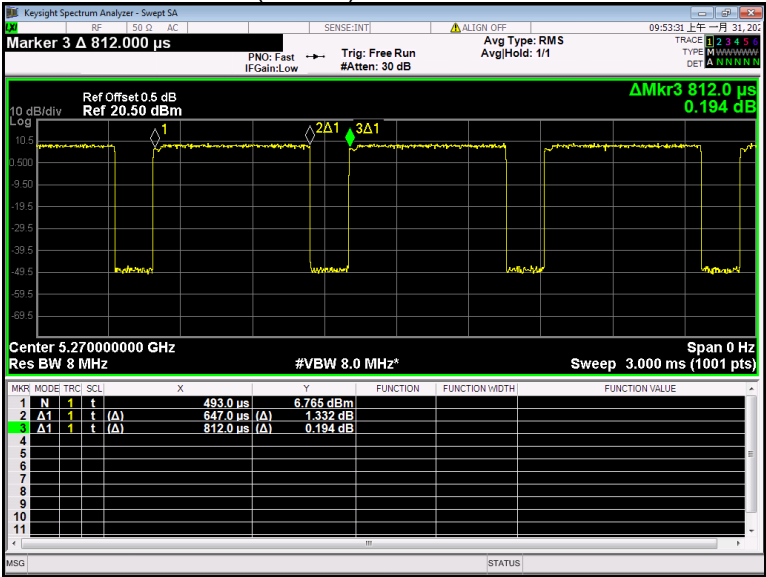
802.11n(HT40) U-NII-2A Low channel



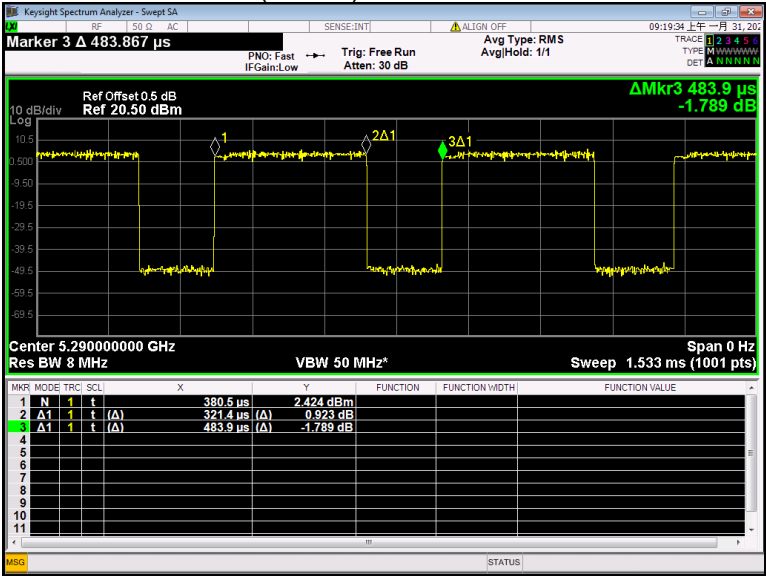
802.11ac(VHT20) U-NII-2A Low channel



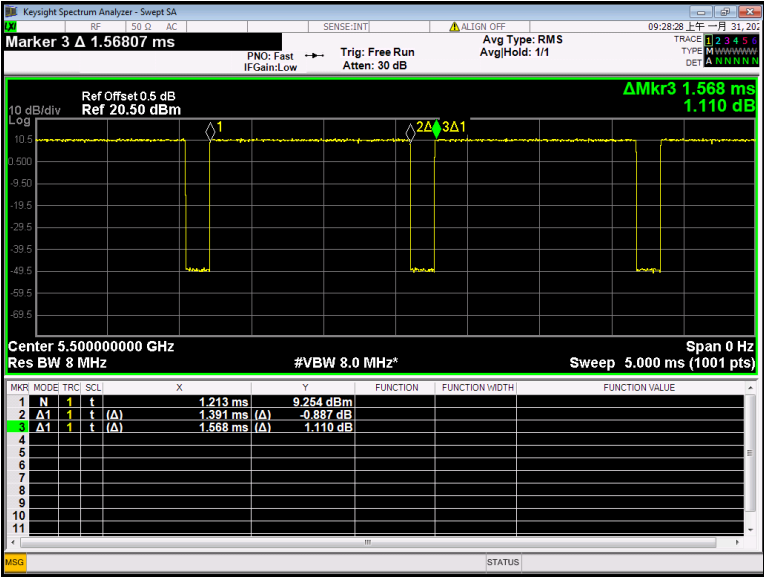
802.11ac(VHT40) U-NII-2A Low channel



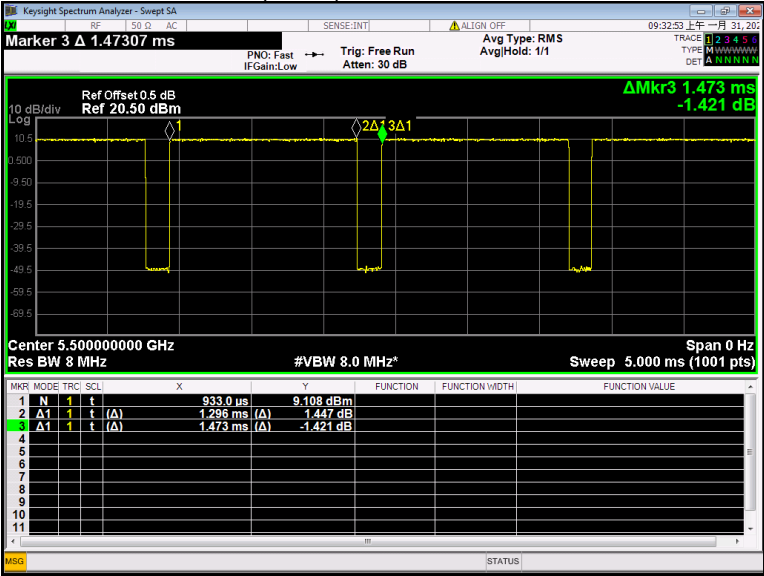
802.11ac(VHT80) U-NII-2A Low channel



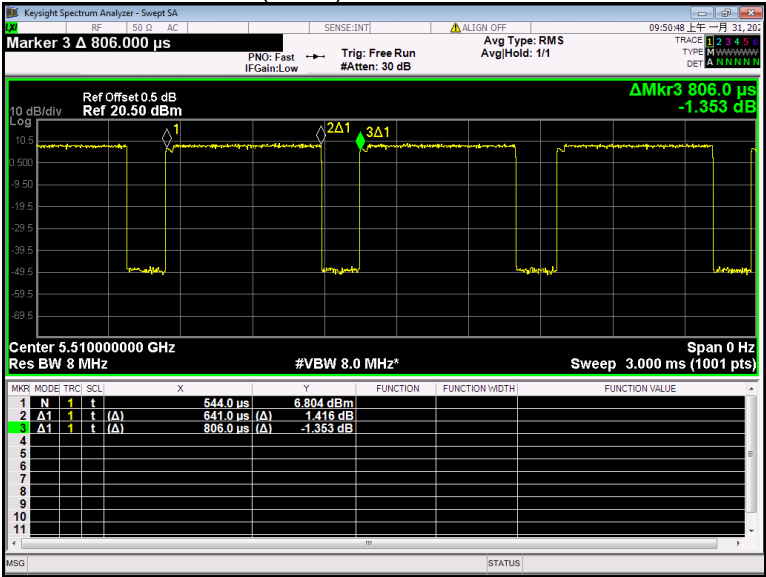
802.11a U-NII-2C Low channel



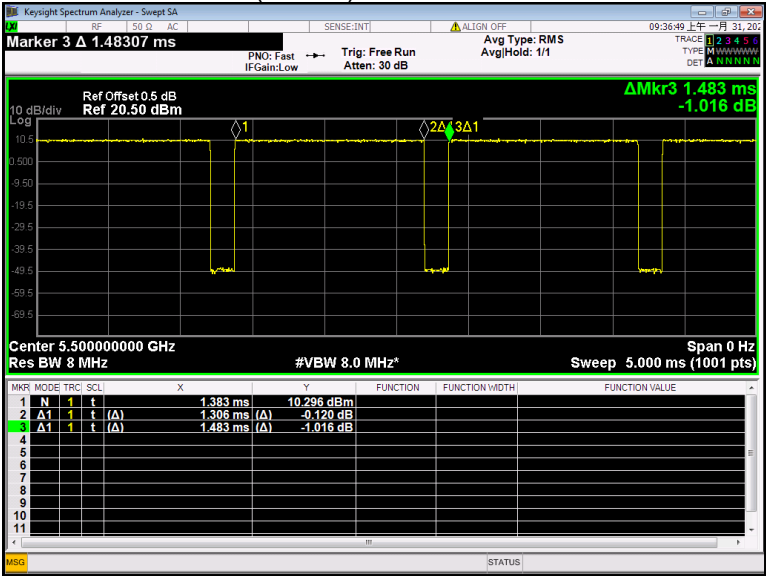
802.11n(HT20) U-NII-2C Low channel



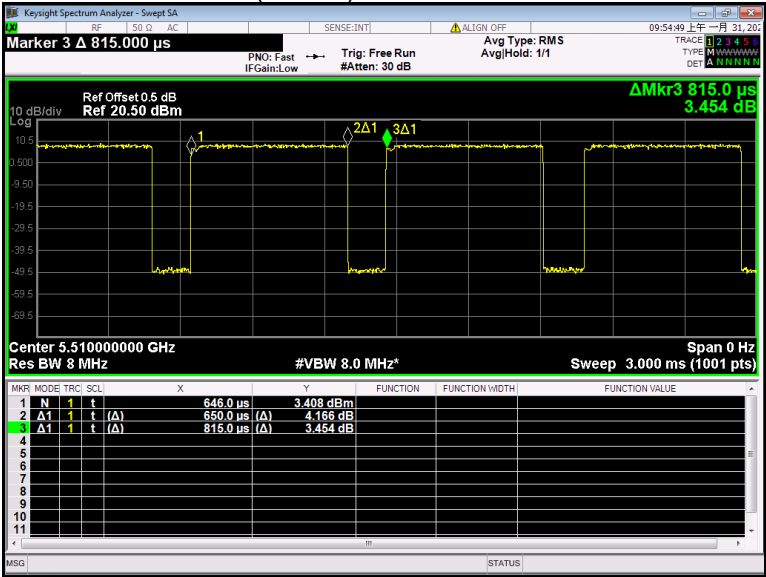
802.11n(HT40) U-NII-2C Low channel



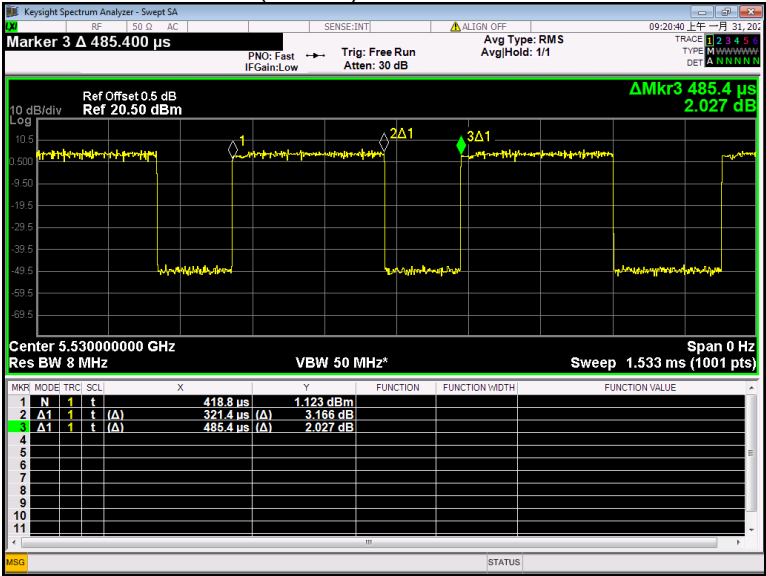
802.11ac(VHT20) U-NII-2C Low channel



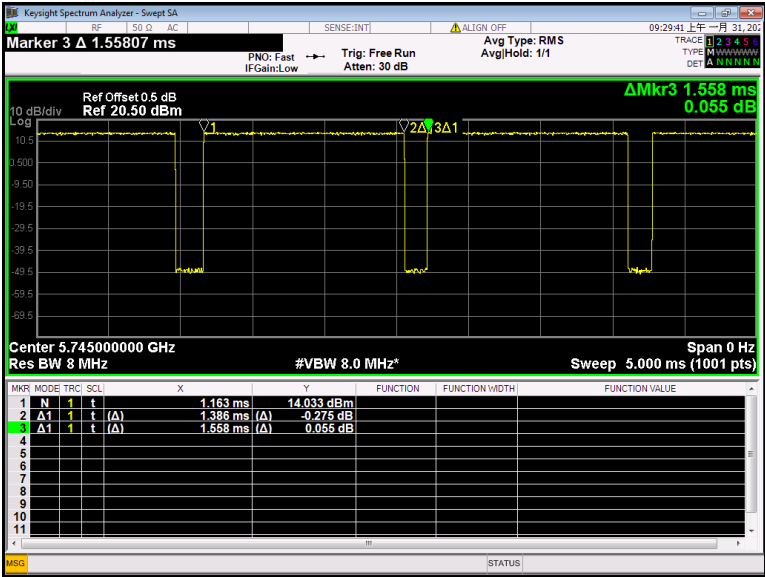
802.11ac(VHT40) U-NII-2C Low channel



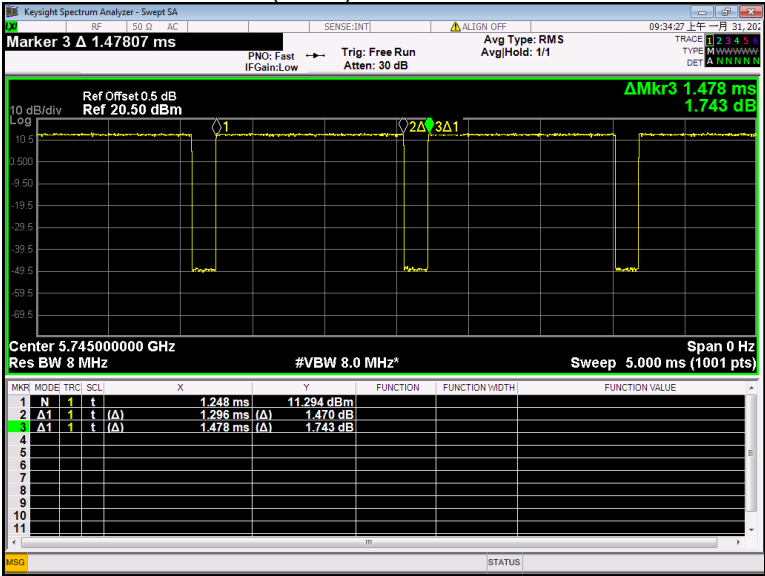
802.11ac(VHT80) U-NII-2C Low channel



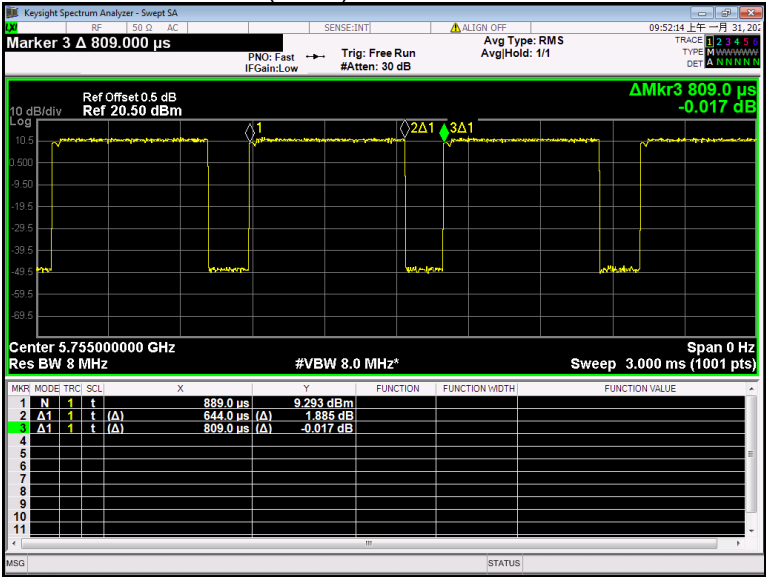
802.11a U-NII-3 Low channel



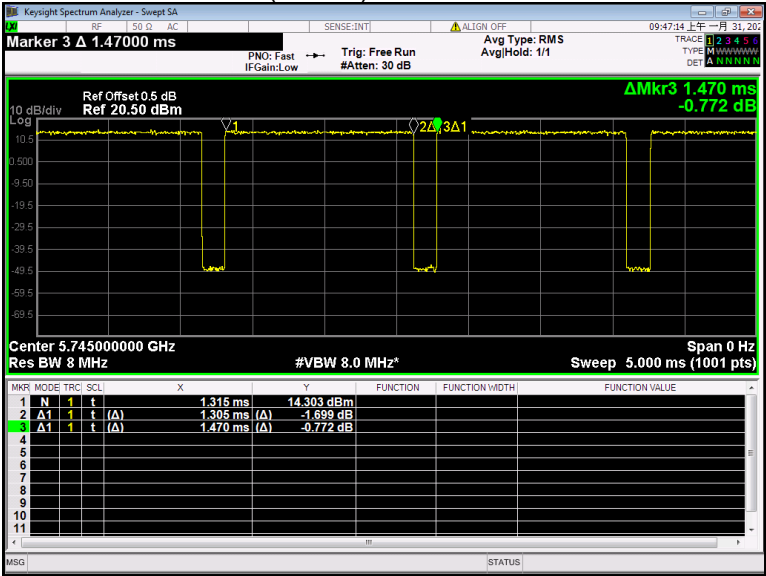
802.11n(HT20) U-NII-3 Low channel



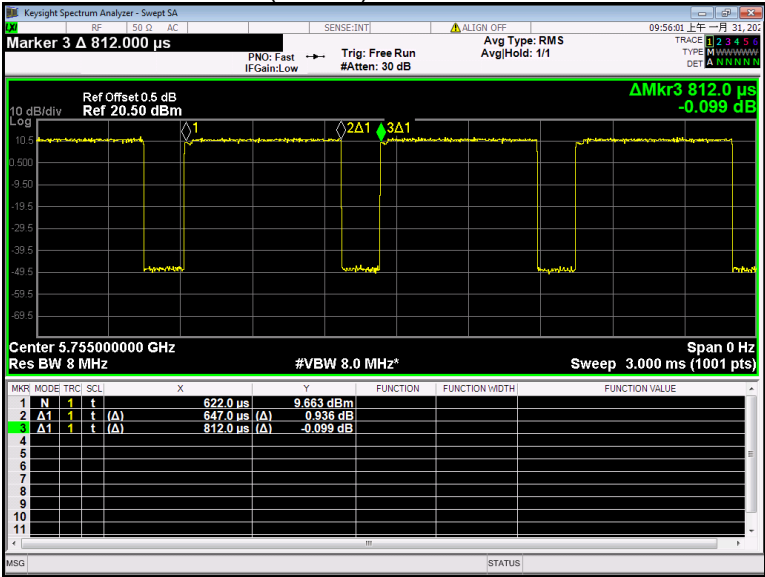
802.11n(HT40) U-NII-3 Low channel



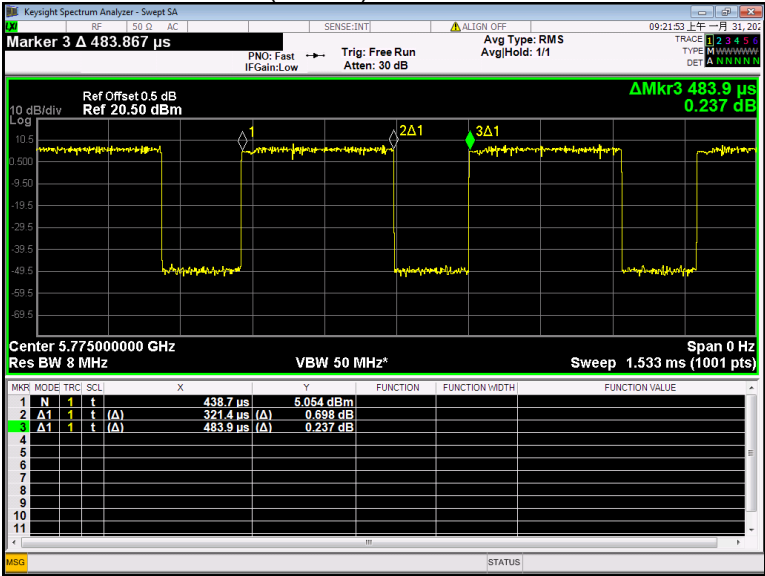
802.11ac(VHT20) U-NII-3 Low channel



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

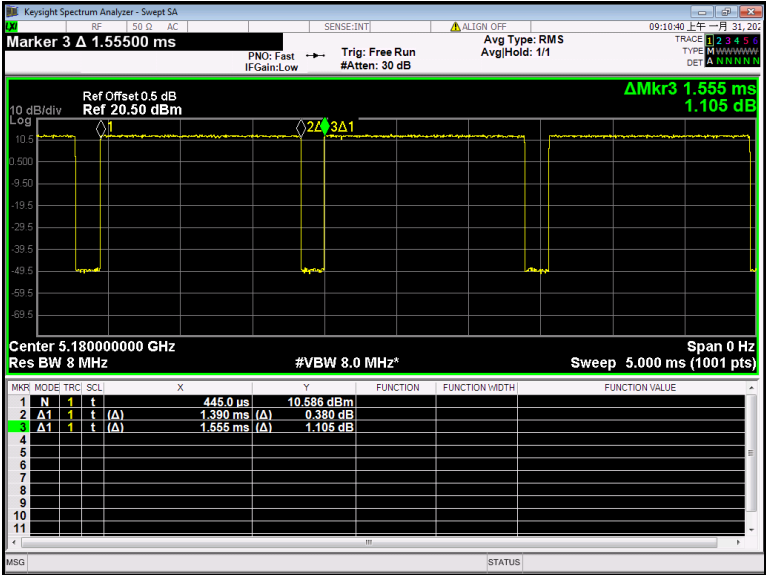


802.11ac(VHT80) U-NII-3 Low channel

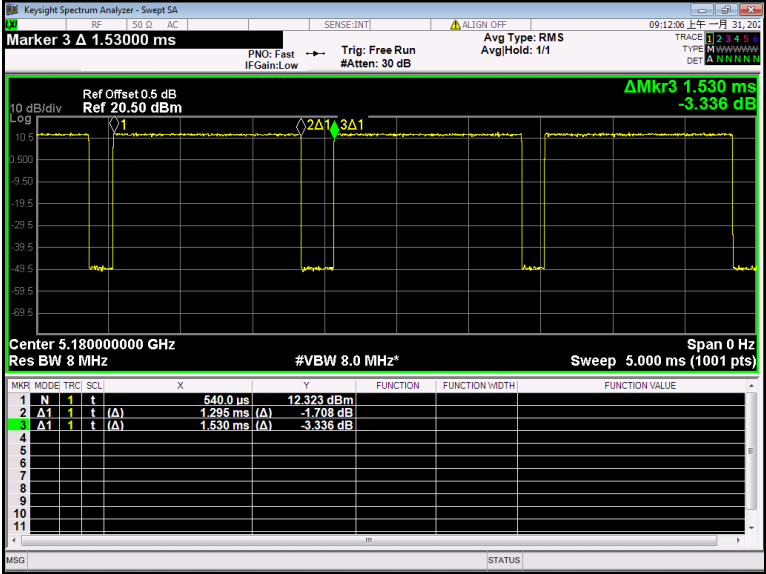


ANT 2

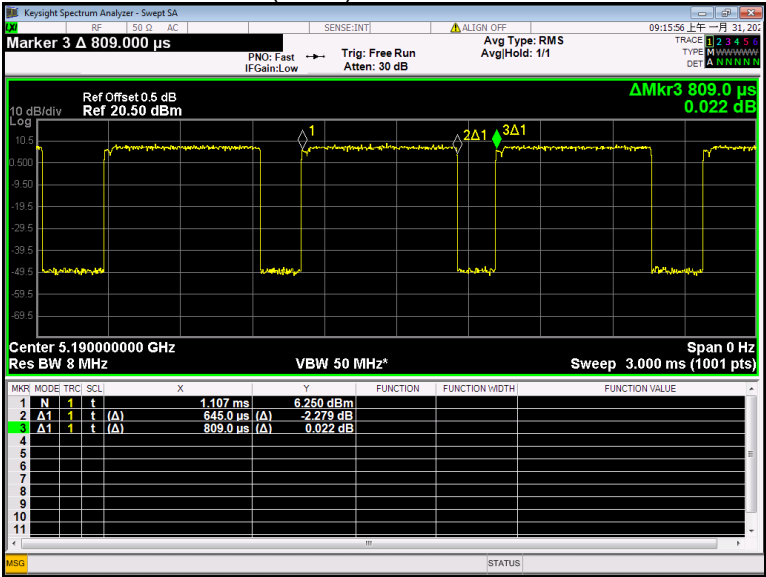
802.11a U-NII-1 Low channel



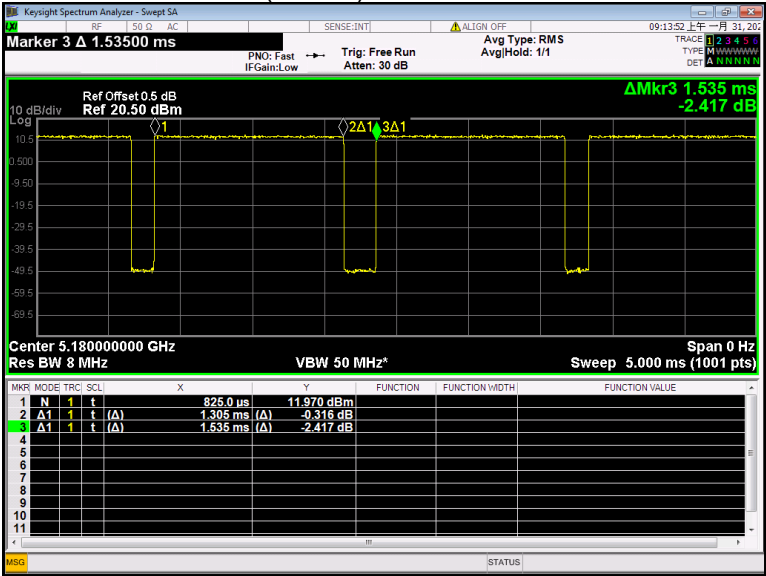
802.11n(HT20) U-NII-1 Low channel



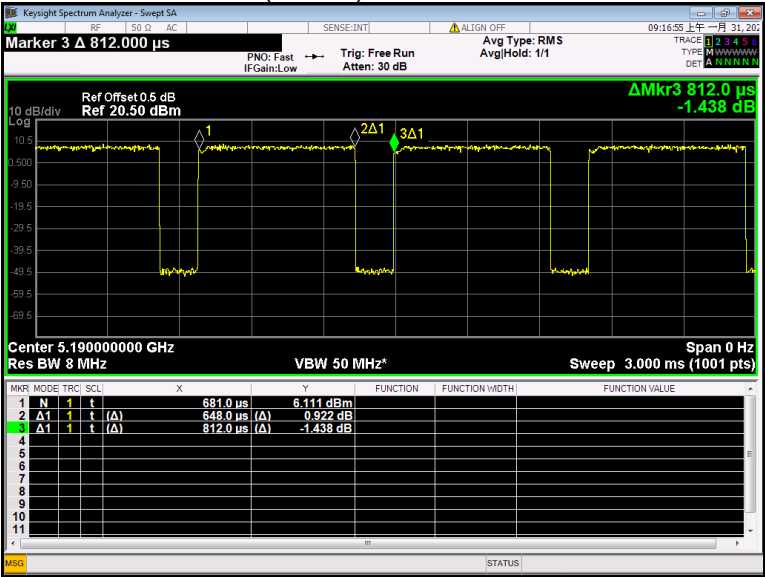
802.11n(HT40) U-NII-1 Low channel



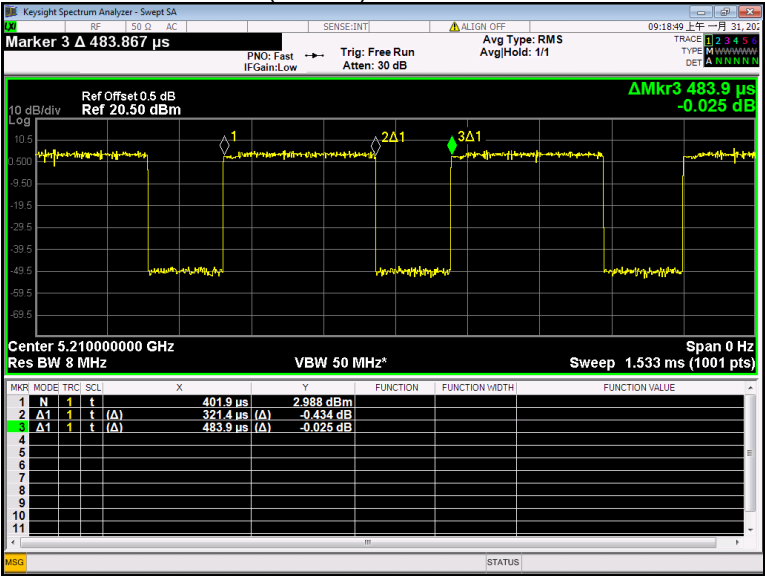
802.11ac(VHT20) U-NII-1 Low channel



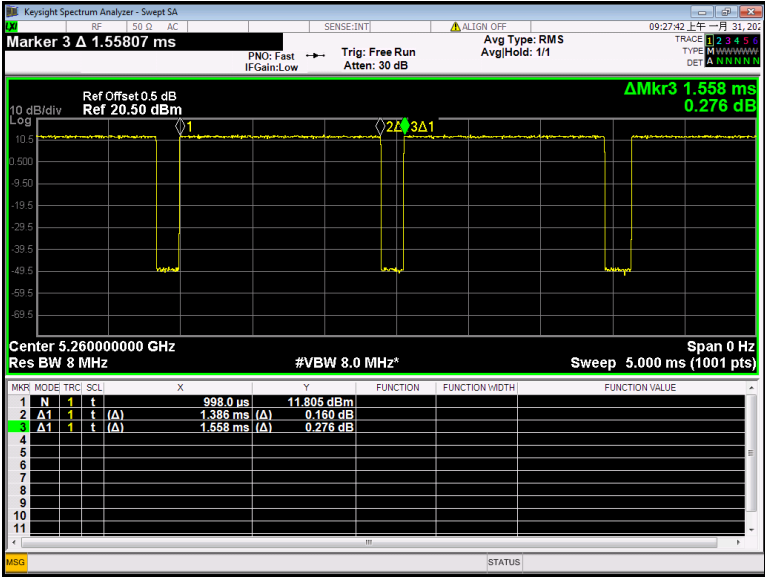
802.11ac(VHT40) U-NII-1 Low channel



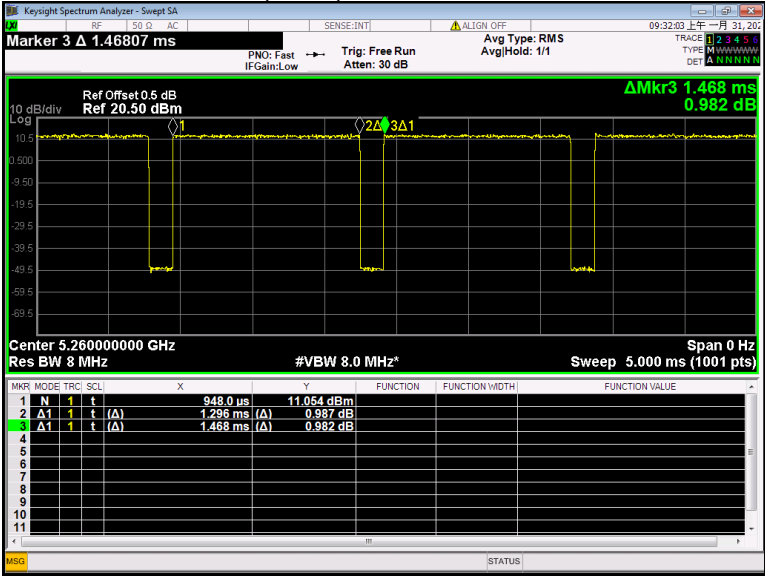
802.11ac(VHT80) U-NII-1 Low channel



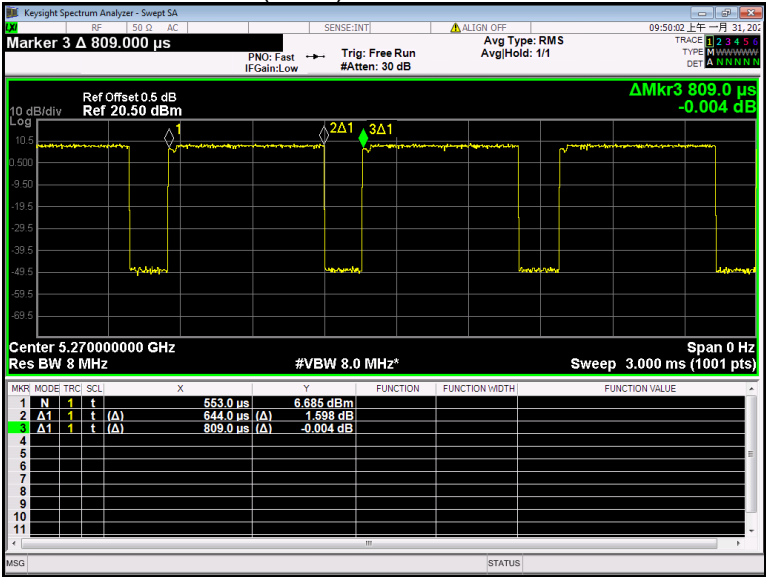
802.11a U-NII-2A Low channel



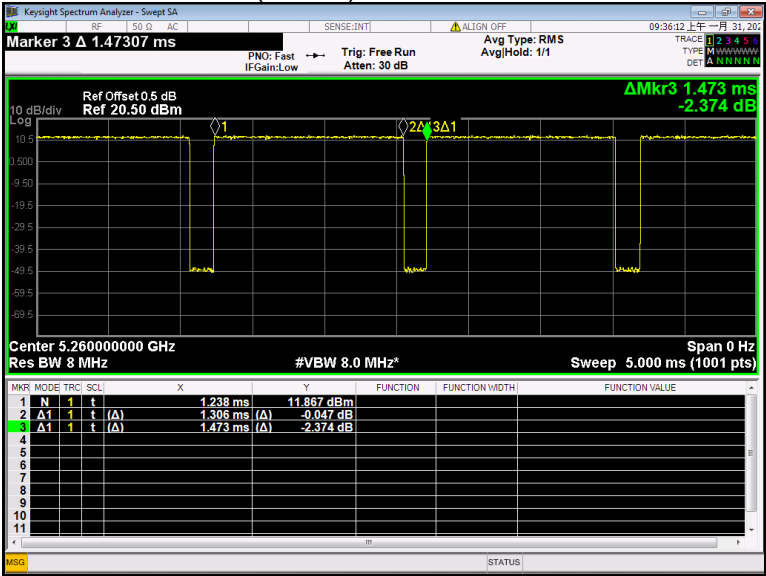
802.11n(HT20) U-NII-2A Low channel



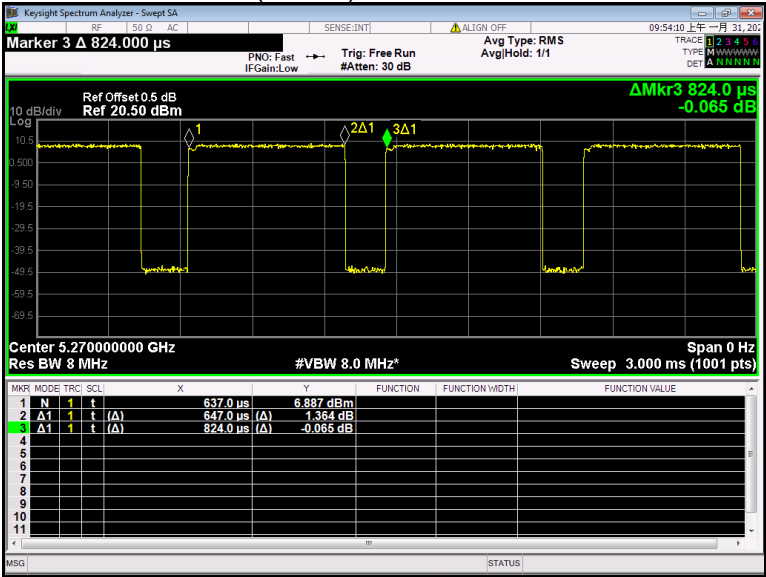
802.11n(HT40) U-NII-2A Low channel



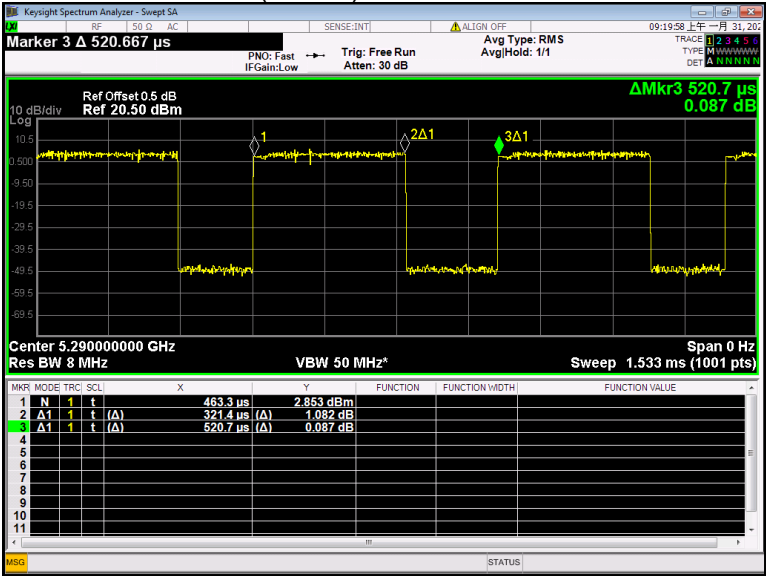
802.11ac(VHT20) U-NII-2A Low channel



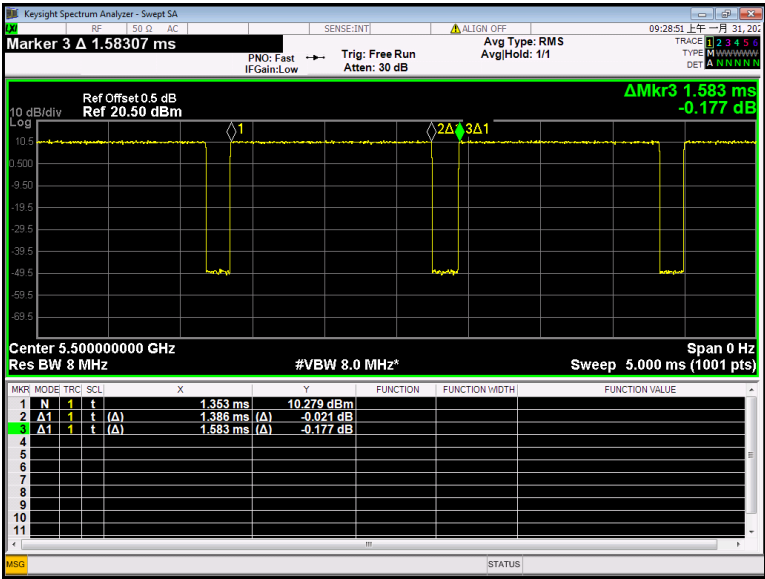
802.11ac(VHT40) U-NII-2A Low channel



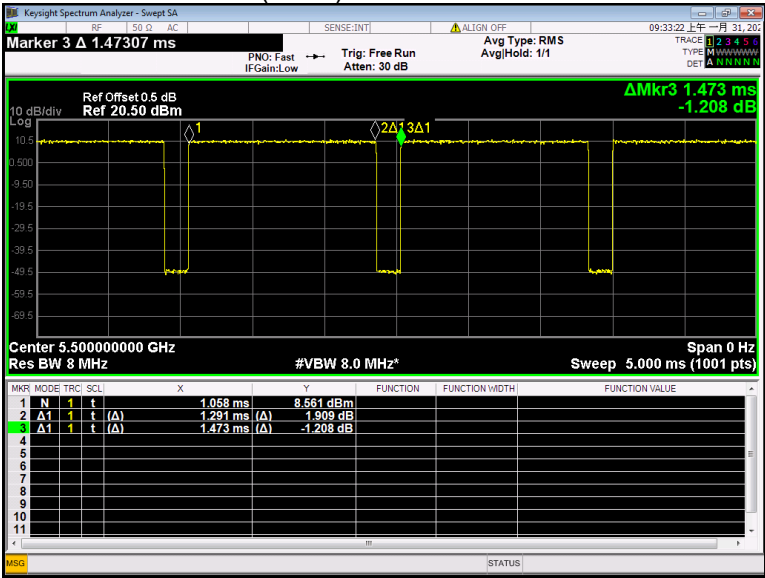
802.11ac(VHT80) U-NII-2A Low channel



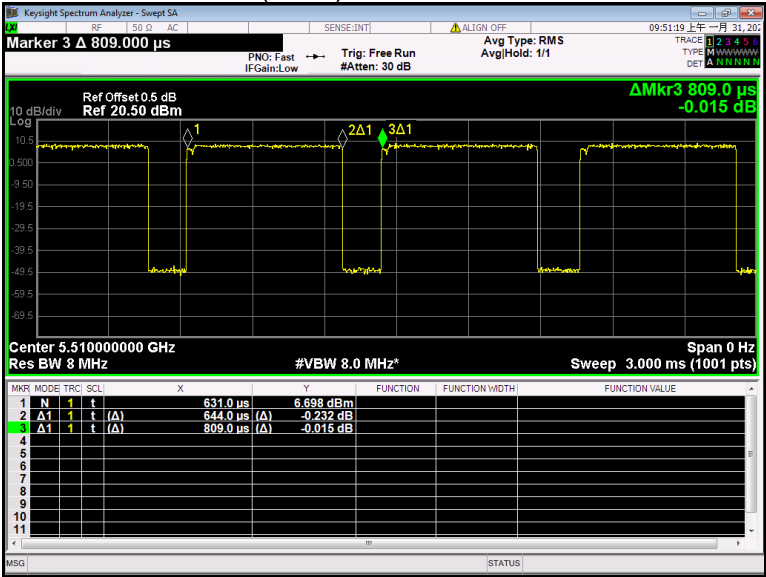
802.11a U-NII-2C Low channel



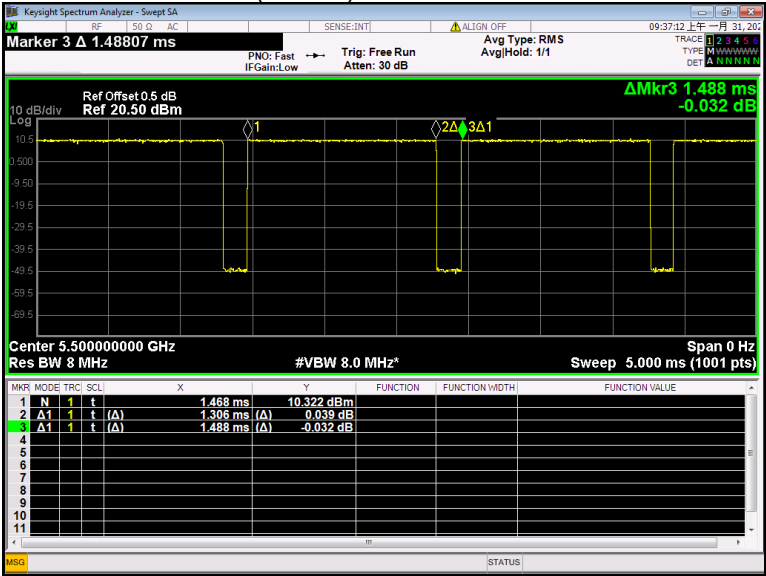
802.11n(HT20) U-NII-2C Low channel



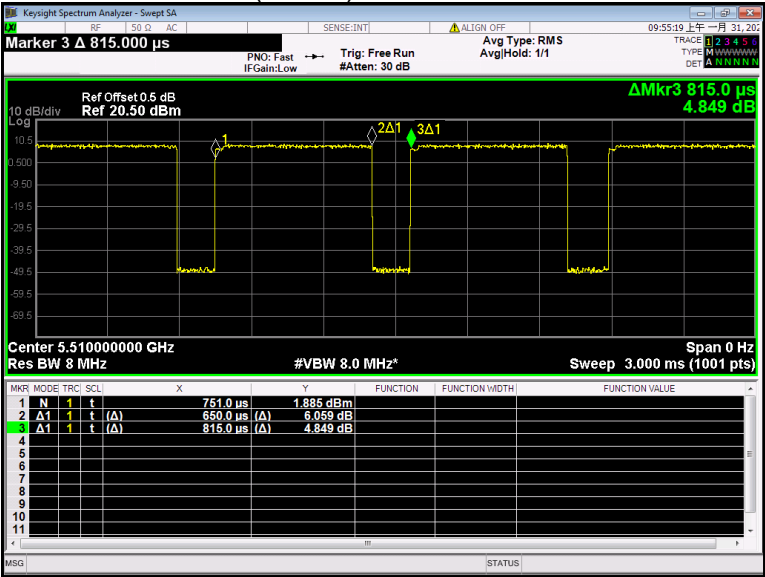
802.11n(HT40) U-NII-2C Low channel



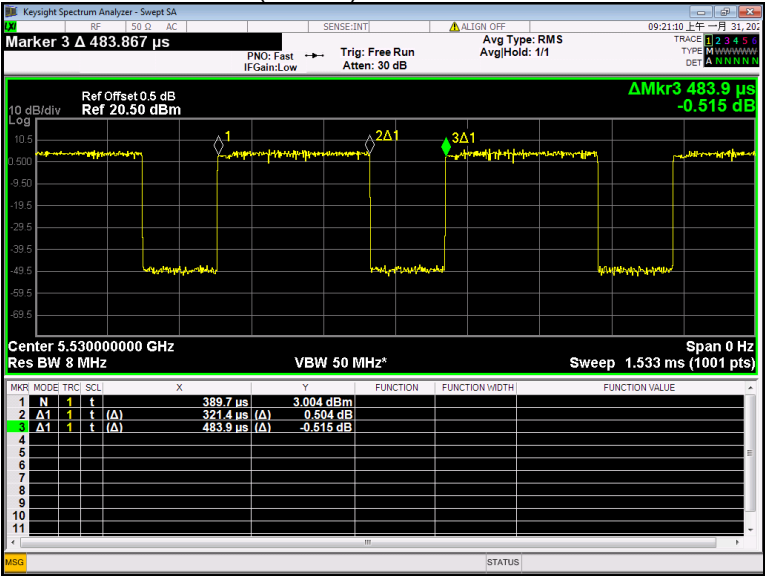
802.11ac(VHT20) U-NII-2C Low channel



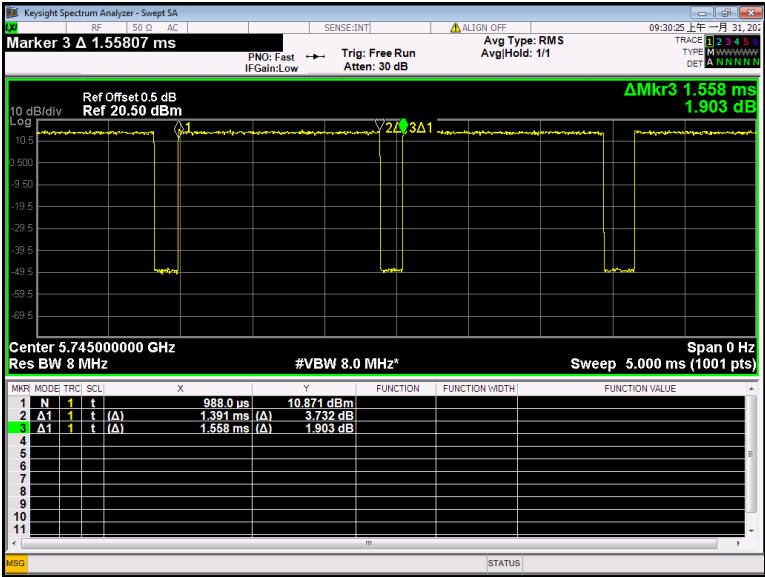
802.11ac(VHT40) U-NII-2C Low channel



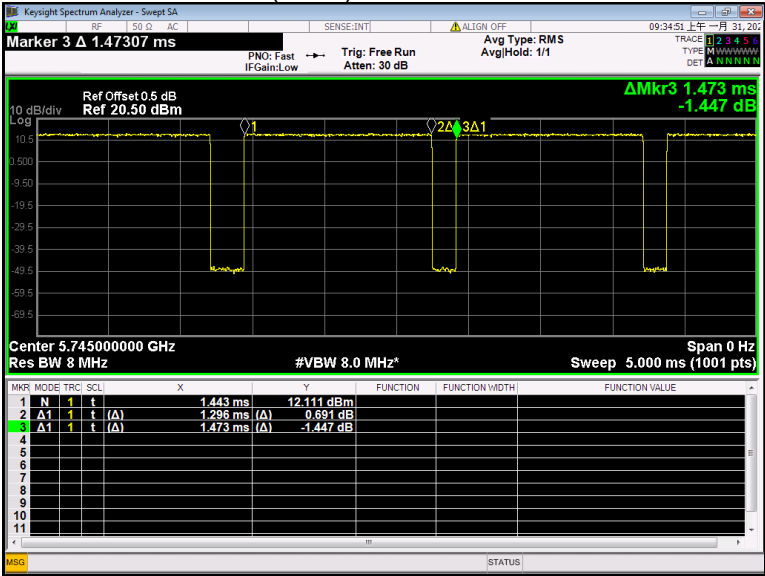
802.11ac(VHT80) U-NII-2C Low channel



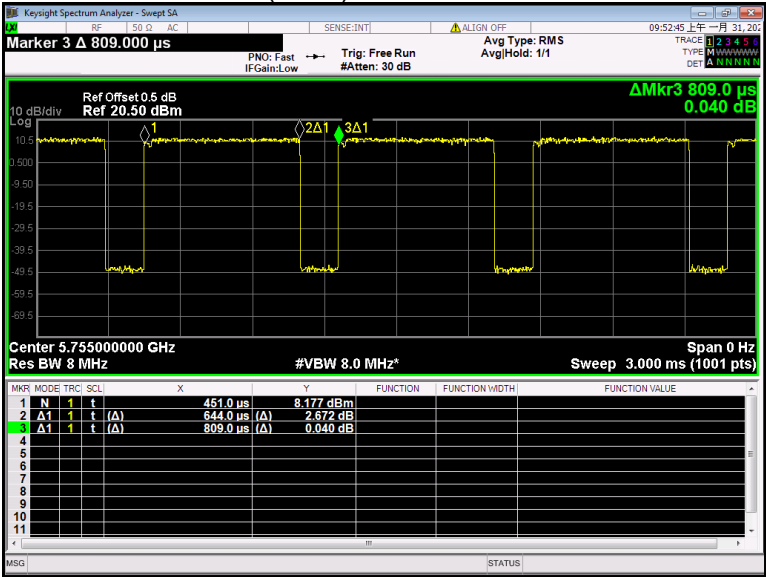
802.11a U-NII-3 Low channel



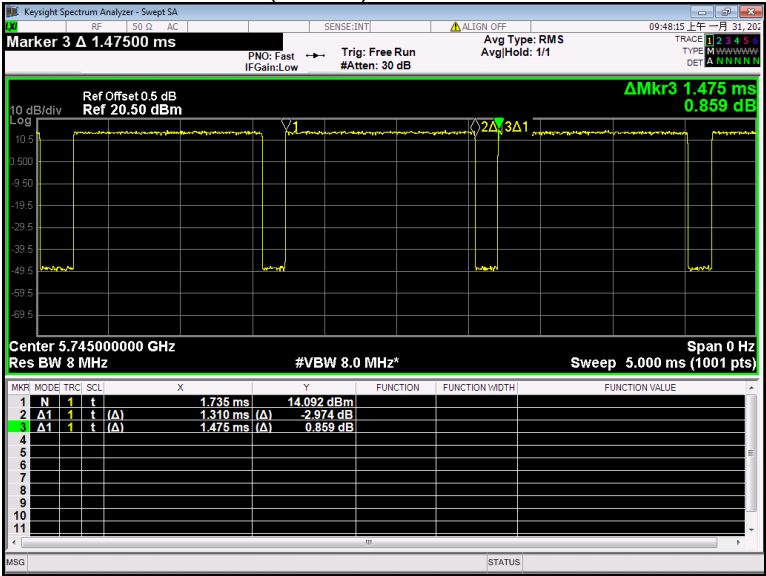
802.11n(HT20) U-NII-3 Low channel



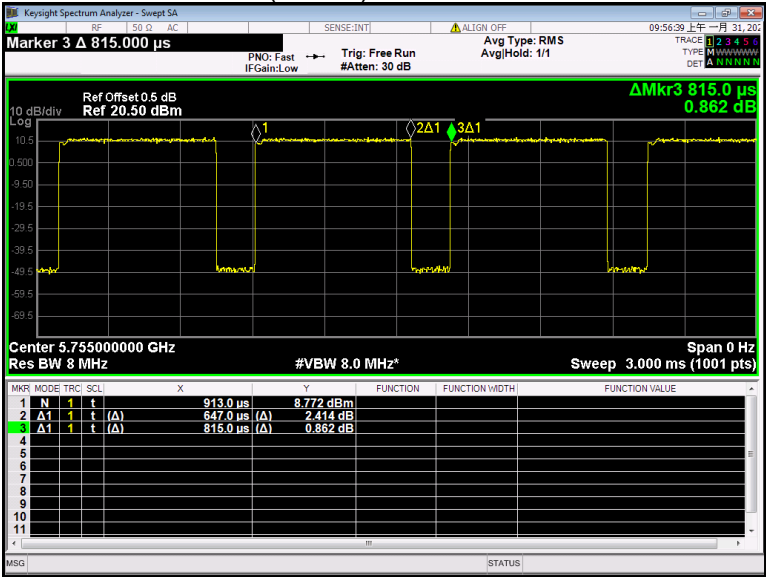
802.11n(HT40) U-NII-3 Low channel



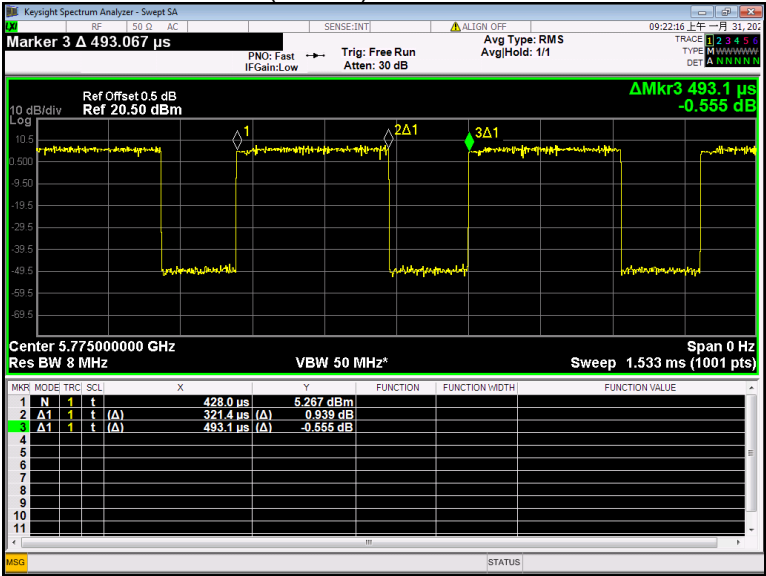
802.11ac(VHT20) U-NII-3 Low channel



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)	Conducted 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
*Decreases with the logarithm of the frequency.		

8.1 E.U.T. Operation

Operating Environment :

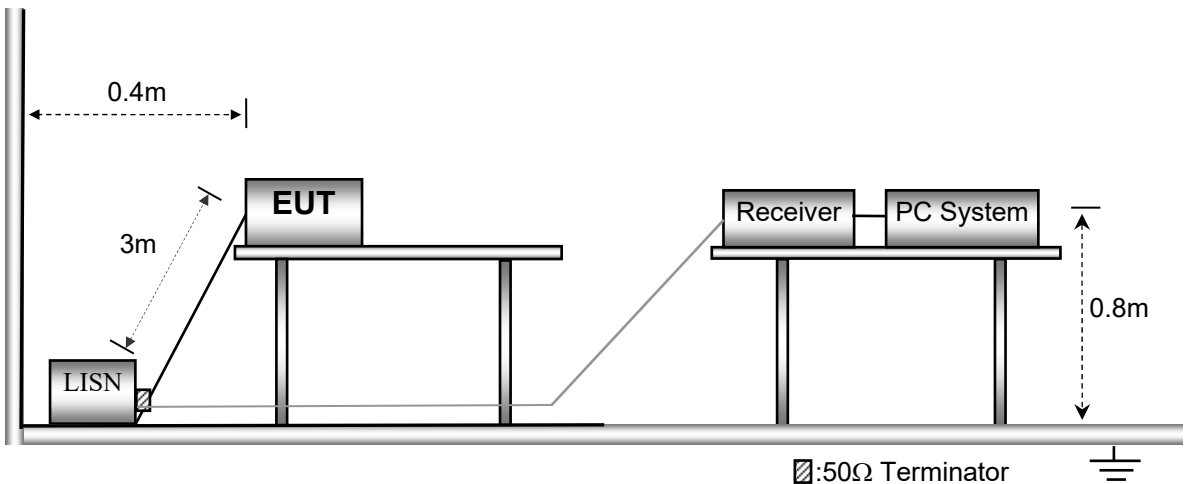
Temperature:	25.6 °C
Humidity:	64.3 % RH
Atmospheric Pressure:	101.2kPa

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.



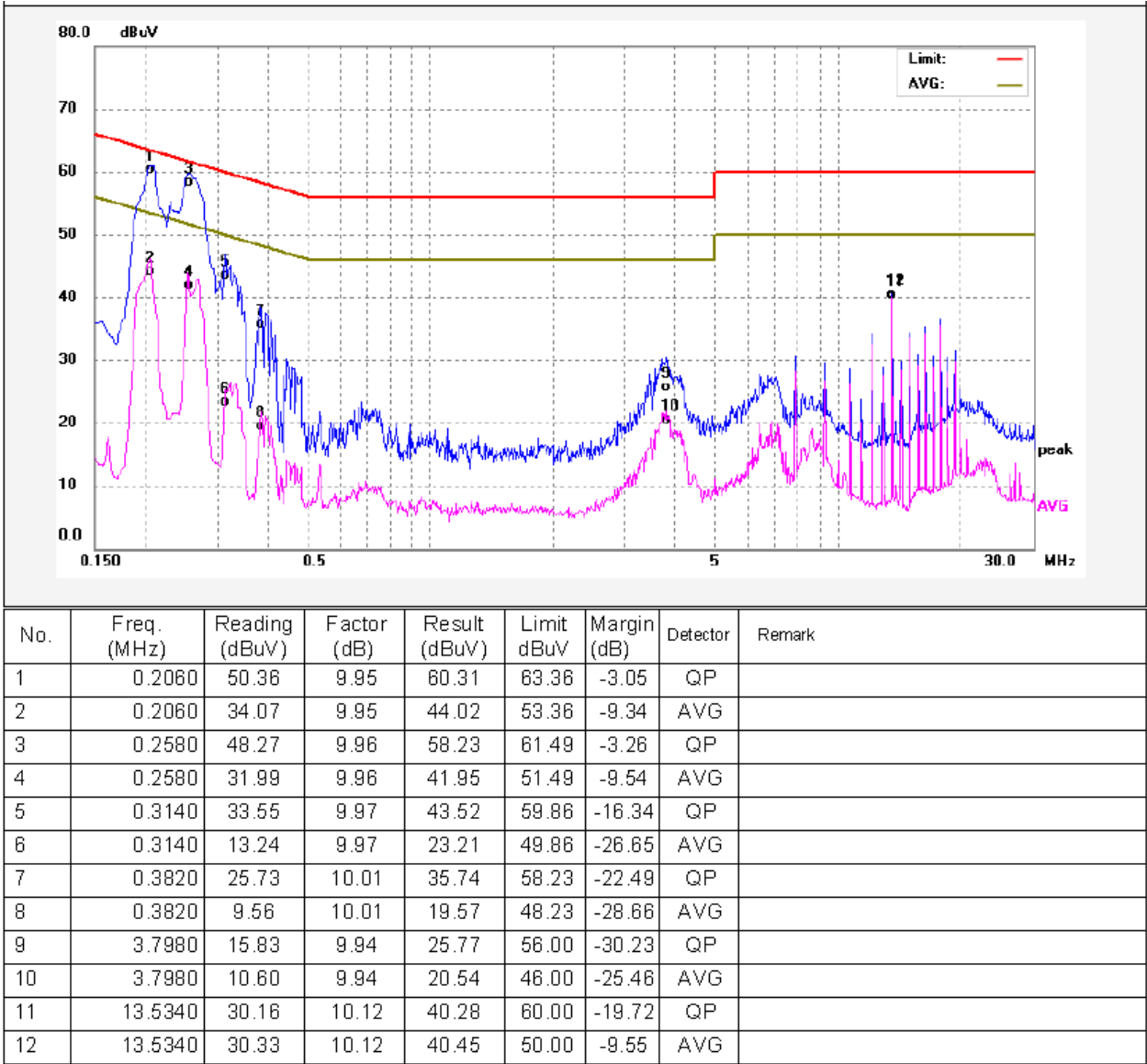
8.3 Measurement Description

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.

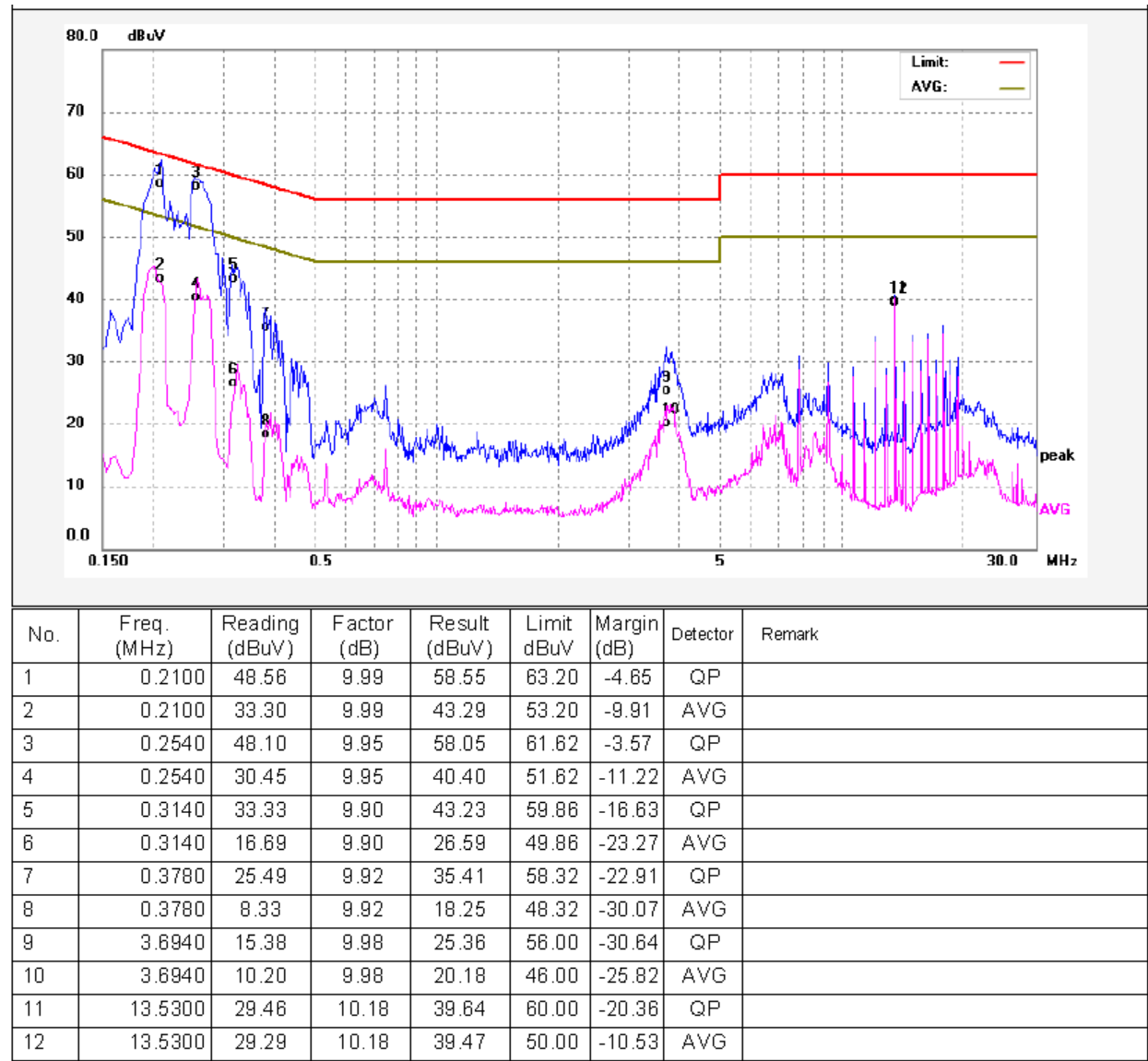
8.4 Conducted Emission Test Result

Remark: An initial pre-scan was performed on the live and neutral lines, only the worst data (U-NII-1 802.11n(HT20) mode 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: 23.8 °C

Humidity: 52.5 % RH

Atmospheric Pressure: 101.3kPa

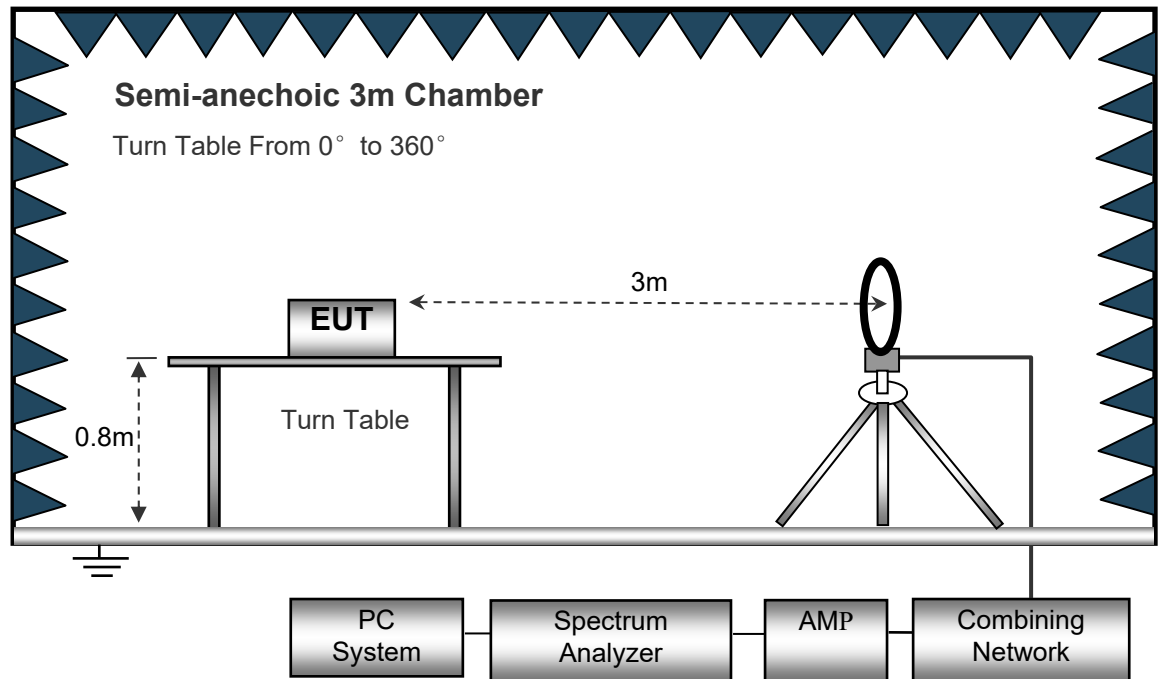
EUT Operation :

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

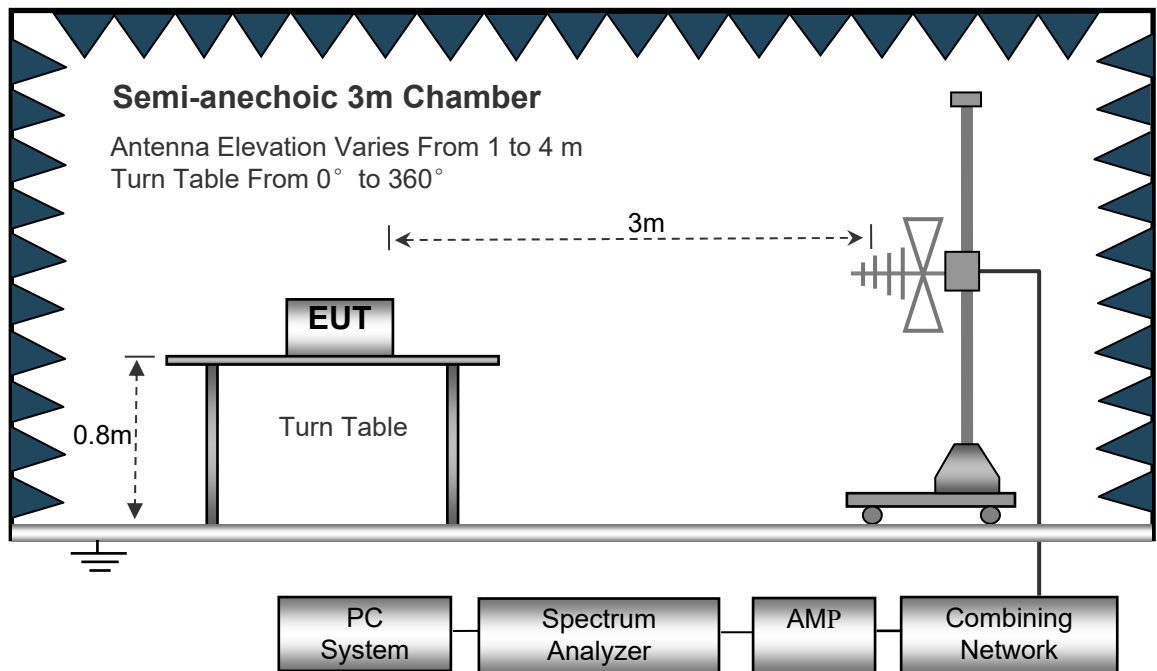
9.2 Test Setup

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

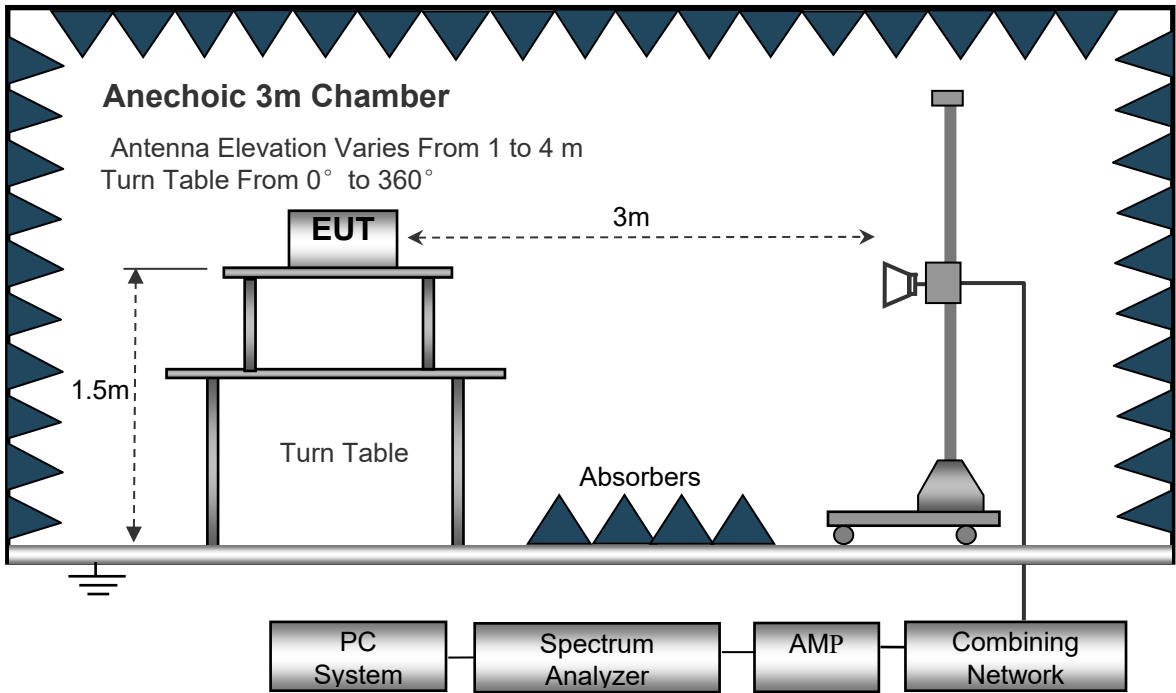
The test setup for emission measurement below 30MHz.



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
Detector PK
Resolution Bandwidth.....100kHz
Video Bandwidth.....300kHz

Above 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth.....1MHz
Video Bandwidth.....3MHz
Detector Ave.
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

Note:

All test mode were tested, and only the worst-case were record in the report.

Test Mode: TX (Ant. 1+ Ant. 2)

Test Frequency: 9KHz~30MHz

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

Test Frequency: 30MHz ~ 18GHz

Model: K77

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									
221.75	44.79	QP	62	1.2	H	-11.62	33.17	46.00	-12.83
221.75	43.13	QP	173	2.0	V	-11.62	31.51	46.00	-14.49
4503.70	58.48	PK	238	1.9	H	-2.03	56.45	74.00	-17.55
4503.70	43.34	Ave	238	1.9	H	-2.03	41.31	54.00	-12.69
5148.05	49.46	PK	219	1.5	H	-1.02	48.44	74.00	-25.56
5148.05	40.07	Ave	219	1.5	H	-1.02	39.05	54.00	-14.95
10360.00	41.14	PK	37	1.0	H	5.33	46.47	74.00	-27.53
10360.00	28.94	Ave	37	1.0	H	5.33	34.27	54.00	-19.73
802.11a U-NII-1 Middle channel 5200MHz									
221.75	44.10	QP	218	1.4	H	-11.62	32.48	46.00	-13.52
221.75	42.68	QP	295	1.4	V	-11.62	31.06	46.00	-14.94
4505.54	58.42	PK	320	1.3	H	-1.94	56.48	74.00	-17.52
4505.54	42.09	Ave	320	1.3	H	-1.94	40.15	54.00	-13.85
5111.03	50.41	PK	324	1.5	H	-1.06	49.35	74.00	-24.65
5111.03	39.69	Ave	324	1.5	H	-1.06	38.63	54.00	-15.37
10400.00	40.71	PK	252	1.6	H	5.21	45.92	74.00	-28.08
10400.00	27.46	Ave	252	1.6	H	5.21	32.67	54.00	-21.33

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									
221.75	43.03	QP	245	1.5	H	-11.62	31.41	46.00	-14.59
221.75	41.52	QP	163	1.3	V	-11.62	29.90	46.00	-16.10
4535.56	58.20	PK	246	1.2	H	-2.24	55.96	74.00	-18.04
4535.56	40.78	Ave	246	1.2	H	-2.24	38.54	54.00	-15.46
5135.69	50.42	PK	101	1.2	H	-1.09	49.33	74.00	-24.67
5135.69	38.77	Ave	101	1.2	H	-1.09	37.68	54.00	-16.32
10480.00	40.68	PK	3	1.6	H	5.14	45.82	74.00	-28.18
10480.00	27.94	Ave	3	1.6	H	5.14	33.08	54.00	-20.92
802.11a U-NII-2A Low Channel 5260MHz									
221.75	45.13	QP	310	1.8	H	-11.62	33.51	46.00	-12.49
221.75	43.03	QP	103	1.9	V	-11.62	31.41	46.00	-14.59
4532.18	54.53	PK	333	1.1	H	-2.03	52.50	74.00	-21.50
4532.18	41.30	Ave	333	1.1	H	-2.03	39.27	54.00	-14.73
5141.50	53.43	PK	212	1.5	H	-1.02	52.41	74.00	-21.59
5141.50	39.09	Ave	212	1.5	H	-1.02	38.07	54.00	-15.93
10520.00	41.35	PK	330	1.6	H	5.33	46.68	74.00	-27.32
10520.00	33.53	Ave	330	1.6	H	5.33	38.86	54.00	-15.14

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									
221.75	43.70	QP	45	1.3	H	-11.62	32.08	46.00	-13.92
221.75	42.88	QP	10	1.2	V	-11.62	31.26	46.00	-14.74
4532.30	53.81	PK	170	1.3	H	-1.94	51.87	74.00	-22.13
4532.30	40.41	Ave	170	1.3	H	-1.94	38.47	54.00	-15.53
5144.08	53.60	PK	130	1.4	H	-1.06	52.54	74.00	-21.46
5144.08	38.22	Ave	130	1.4	H	-1.06	37.16	54.00	-16.84
10560.00	40.04	PK	65	1.6	H	5.21	45.25	74.00	-28.75
10560.00	32.41	Ave	65	1.6	H	5.21	37.62	54.00	-16.38
802.11a U-NII-2A High channel 5320MHz									
221.75	43.16	QP	251	1.2	H	-11.62	31.54	46.00	-14.46
221.75	42.86	QP	275	1.3	V	-11.62	31.24	46.00	-14.76
4511.75	52.95	PK	298	1.9	H	-2.24	50.71	74.00	-23.29
4511.75	39.59	Ave	298	1.9	H	-2.24	37.35	54.00	-16.65
5146.15	52.87	PK	164	1.4	H	-1.09	51.78	74.00	-22.22
5146.15	38.10	Ave	164	1.4	H	-1.09	37.01	54.00	-16.99
10640.00	40.15	PK	77	1.6	H	5.14	45.29	74.00	-28.71
10640.00	32.39	Ave	77	1.6	H	5.14	37.53	54.00	-16.47

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-2C Low Channel 5500MHz									
221.75	42.25	QP	183	1.1	H	-11.62	30.63	46.00	-15.37
221.75	43.32	QP	274	1.8	V	-11.62	31.70	46.00	-14.30
4518.58	53.09	PK	254	1.6	H	-2.03	51.06	74.00	-22.94
4518.58	39.70	Ave	254	1.6	H	-2.03	37.67	54.00	-16.33
5126.85	53.11	PK	103	1.8	H	-1.02	52.09	74.00	-21.91
5126.85	39.17	Ave	103	1.8	H	-1.02	38.15	54.00	-15.85
11000.00	42.03	PK	129	1.9	H	5.33	47.36	74.00	-26.64
11000.00	37.59	Ave	129	1.9	H	5.33	42.92	54.00	-11.08
802.11a U-NII-2C Middle channel 5600MHz									
221.75	41.25	QP	193	1.2	H	-11.62	29.63	46.00	-16.37
221.75	42.12	QP	87	1.7	V	-11.62	30.50	46.00	-15.50
4516.08	52.75	PK	152	2.0	H	-1.94	50.81	74.00	-23.19
4516.08	39.63	Ave	152	2.0	H	-1.94	37.69	54.00	-16.31
5112.02	53.41	PK	97	1.7	H	-1.06	52.35	74.00	-21.65
5112.02	38.69	Ave	97	1.7	H	-1.06	37.63	54.00	-16.37
11200.00	40.64	PK	38	1.1	H	5.21	45.85	74.00	-28.15
11200.00	36.35	Ave	38	1.1	H	5.21	41.56	54.00	-12.44

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									
221.75	40.34	QP	278	1.4	H	-11.62	28.72	46.00	-17.28
221.75	41.34	QP	326	1.7	V	-11.62	29.72	46.00	-16.28
4521.45	52.31	PK	294	1.5	H	-1.94	50.37	74.00	-23.63
4521.45	39.19	Ave	294	1.5	H	-1.94	37.25	54.00	-16.75
5131.39	53.39	PK	288	1.8	H	-1.06	52.33	74.00	-21.67
5131.39	38.58	Ave	288	1.8	H	-1.06	37.52	54.00	-16.48
11200.00	39.27	PK	143	1.1	H	5.21	44.48	74.00	-29.52
11200.00	36.28	Ave	143	1.1	H	5.21	41.49	54.00	-12.51
802.11a U-NII-3 Low Channel 5745MHz									
221.75	42.34	QP	163	1.0	H	-11.62	30.72	46.00	-15.28
221.75	40.61	QP	74	1.4	V	-11.62	28.99	46.00	-17.01
4521.74	56.51	PK	283	1.2	H	-2.06	54.45	74.00	-19.55
4521.74	41.54	Ave	283	1.2	H	-2.06	39.48	54.00	-14.52
5363.73	40.70	PK	301	1.0	H	5.93	46.63	74.00	-27.37
5363.73	28.18	Ave	301	1.0	H	5.93	34.11	54.00	-19.89
11490.00	46.49	PK	12	1.2	H	-1.25	45.24	74.00	-28.76
11490.00	39.51	Ave	12	1.2	H	-1.25	38.26	54.00	-15.74

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)
802.11a U-NII-3 middle channel 5785MHz									
221.75	41.38	QP	89	1.4	H	-11.62	29.76	46.00	-16.24
221.75	40.05	QP	298	1.6	V	-11.62	28.43	46.00	-17.57
4528.09	55.93	PK	215	1.9	H	-2.03	53.90	74.00	-20.10
4528.09	41.07	Ave	215	1.9	H	-2.03	39.04	54.00	-14.96
5375.38	42.11	PK	151	1.9	H	5.81	47.92	74.00	-26.08
5375.38	28.67	Ave	151	1.9	H	5.81	34.48	54.00	-19.52
11570.00	45.48	PK	137	1.9	H	-1.22	44.26	74.00	-29.74
11570.00	37.76	Ave	137	1.9	H	-1.22	36.54	54.00	-17.46
802.11a U-NII-3 High channel 5825MHz									
221.75	40.92	QP	87	1.2	H	-11.62	29.30	46.00	-16.70
221.75	40.04	QP	350	1.4	V	-11.62	28.42	46.00	-17.58
4515.80	55.86	PK	161	1.1	H	-1.84	54.02	74.00	-19.98
4515.80	40.79	Ave	161	1.1	H	-1.84	38.95	54.00	-15.05
5352.97	41.73	PK	166	1.0	H	5.84	47.57	74.00	-26.43
5352.97	28.90	Ave	166	1.0	H	5.84	34.74	54.00	-19.26
11650.00	45.20	PK	187	1.8	H	-1.30	43.90	74.00	-30.10
11650.00	37.65	Ave	187	1.8	H	-1.30	36.35	54.00	-17.65

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									
221.75	40.25	QP	212	1.6	H	-11.62	28.63	46.00	-17.37
221.75	40.04	QP	205	1.7	V	-11.62	28.42	46.00	-17.58
4522.43	55.24	PK	239	1.4	H	-2.14	53.10	74.00	-20.90
4522.43	40.78	Ave	239	1.4	H	-2.14	38.64	54.00	-15.36
5140.24	46.85	PK	41	1.4	H	-1.06	45.79	74.00	-28.21
5140.24	38.43	Ave	41	1.4	H	-1.06	37.37	54.00	-16.63
10360.00	41.33	PK	144	2.0	H	5.33	46.66	74.00	-27.34
10360.00	28.16	Ave	144	2.0	H	5.33	33.49	54.00	-20.51
802.11n(HT20) U-NII-1 Middle channel 5200MHz									
221.75	38.87	QP	64	1.7	H	-11.62	27.25	46.00	-18.75
221.75	39.12	QP	212	1.9	V	-11.62	27.50	46.00	-18.50
4519.61	54.14	PK	181	1.5	H	-2.12	52.02	74.00	-21.98
4519.61	40.58	Ave	181	1.5	H	-2.12	38.46	54.00	-15.54
5115.50	46.73	PK	356	1.4	H	-1.06	45.67	74.00	-28.33
5115.50	37.60	Ave	356	1.4	H	-1.06	36.54	54.00	-17.46
10400.00	43.60	PK	227	1.6	H	5.21	48.81	74.00	-25.19
10400.00	30.77	Ave	227	1.6	H	5.21	35.98	54.00	-18.02

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-1 High channel 5240MHz									
221.75	40.34	QP	221	1.1	H	-11.62	28.72	46.00	-17.28
221.75	40.85	QP	187	1.1	V	-11.62	29.23	46.00	-16.77
4533.85	54.70	PK	25	1.3	H	-1.96	52.74	74.00	-21.26
4533.85	39.69	Ave	25	1.3	H	-1.96	37.73	54.00	-16.27
5126.43	45.81	PK	256	1.3	H	-1.06	44.75	74.00	-29.25
5126.43	38.33	Ave	256	1.3	H	-1.06	37.27	54.00	-16.73
10480.00	41.76	PK	287	1.1	H	5.14	46.90	74.00	-27.10
10480.00	28.85	Ave	287	1.1	H	5.14	33.99	54.00	-20.01
802.11n(HT20) U-NII-2A Low Channel 5260MHz									
221.75	40.24	QP	280	1.1	H	-11.62	28.62	46.00	-17.38
221.75	41.86	QP	297	1.6	V	-11.62	30.24	46.00	-15.76
4512.91	51.64	PK	57	1.3	H	-2.03	49.61	74.00	-24.39
4512.91	41.10	Ave	57	1.3	H	-2.03	39.07	54.00	-14.93
5134.87	54.58	PK	197	1.3	H	-1.02	53.56	74.00	-20.44
5134.87	37.14	Ave	197	1.3	H	-1.02	36.12	54.00	-17.88
10520.00	44.12	PK	13	1.9	H	5.33	49.45	74.00	-24.55
10520.00	33.44	Ave	13	1.9	H	5.33	38.77	54.00	-15.23

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)
802.11n(HT20) U-NII-2A middle channel 5280MHz									
221.75	38.79	QP	192	1.9	H	-11.62	27.17	46.00	-18.83
221.75	41.08	QP	25	1.3	V	-11.62	29.46	46.00	-16.54
4531.93	50.58	PK	327	1.7	H	-1.94	48.64	74.00	-25.36
4531.93	42.58	Ave	327	1.7	H	-1.94	40.64	54.00	-13.36
5114.23	55.11	PK	10	1.1	H	-1.06	54.05	74.00	-19.95
5114.23	36.63	Ave	10	1.1	H	-1.06	35.57	54.00	-18.43
10560.00	44.01	PK	79	1.2	H	5.21	49.22	74.00	-24.78
10560.00	33.64	Ave	79	1.2	H	5.21	38.85	54.00	-15.15
802.11n(HT20) U-NII-2A High channel 5320MHz									
221.75	37.64	QP	329	1.4	H	-11.62	26.02	46.00	-19.98
221.75	41.58	QP	248	1.5	V	-11.62	29.96	46.00	-16.04
4539.20	51.19	PK	100	1.3	H	-2.24	48.95	74.00	-25.05
4539.20	42.16	Ave	100	1.3	H	-2.24	39.92	54.00	-14.08
5142.31	54.59	PK	92	1.1	H	-1.09	53.50	74.00	-20.50
5142.31	38.51	Ave	92	1.1	H	-1.09	37.42	54.00	-16.58
10640.00	43.92	PK	233	1.4	H	5.14	49.06	74.00	-24.94
10640.00	33.97	Ave	233	1.4	H	5.14	39.11	54.00	-14.89

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									
221.75	39.72	QP	38	2.0	H	-11.62	28.10	46.00	-17.90
221.75	44.42	QP	209	1.7	V	-11.62	32.80	46.00	-13.20
4516.18	57.61	PK	223	1.8	H	-2.03	55.58	74.00	-18.42
4516.18	34.82	Ave	223	1.8	H	-2.03	32.79	54.00	-21.21
5137.11	46.25	PK	21	1.0	H	-1.02	45.23	74.00	-28.77
5137.11	36.86	Ave	21	1.0	H	-1.02	35.84	54.00	-18.16
11000.00	50.00	PK	24	1.3	H	5.33	55.33	74.00	-18.67
11000.00	31.10	Ave	24	1.3	H	5.33	36.43	54.00	-17.57
802.11n(HT20) U-NII-2C Middle channel 5600MHz									
221.75	38.27	QP	86	1.0	H	-11.62	26.65	46.00	-19.35
221.75	43.77	QP	71	1.4	V	-11.62	32.15	46.00	-13.85
4534.17	56.59	PK	73	1.1	H	-1.94	54.65	74.00	-19.35
4534.17	33.56	Ave	73	1.1	H	-1.94	31.62	54.00	-22.38
5110.65	48.04	PK	120	1.8	H	-1.06	46.98	74.00	-27.02
5110.65	36.37	Ave	120	1.8	H	-1.06	35.31	54.00	-18.69
11200.00	51.33	PK	356	1.2	H	5.21	56.54	74.00	-17.46
11200.00	31.76	Ave	356	1.2	H	5.21	36.97	54.00	-17.03

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-2C High channel 5700MHz									
221.75	38.85	QP	79	1.7	H	-11.62	27.23	46.00	-18.77
221.75	45.03	QP	97	1.2	V	-11.62	33.41	46.00	-12.59
4515.48	55.40	PK	242	1.9	H	-2.24	53.16	74.00	-20.84
4515.48	34.38	Ave	242	1.9	H	-2.24	32.14	54.00	-21.86
5111.63	47.55	PK	2	1.1	H	-1.09	46.46	74.00	-27.54
5111.63	35.95	Ave	2	1.1	H	-1.09	34.86	54.00	-19.14
11400.00	50.36	PK	279	1.1	H	5.14	55.50	74.00	-18.50
11400.00	29.60	Ave	279	1.1	H	5.14	34.74	54.00	-19.26
802.11n(HT20) U-NII-3 Low Channel 5745MHz									
221.75	34.41	QP	147	1.1	H	-11.62	22.79	46.00	-23.21
221.75	41.41	QP	194	1.4	V	-11.62	29.79	46.00	-16.21
4507.65	55.72	PK	324	1.7	H	-2.06	53.66	74.00	-20.34
4507.65	43.22	Ave	324	1.7	H	-2.06	41.16	54.00	-12.84
5368.87	44.33	PK	278	1.4	H	5.93	50.26	74.00	-23.74
5368.87	35.04	Ave	278	1.4	H	5.93	40.97	54.00	-13.03
11490.00	45.80	PK	219	1.7	H	-1.25	44.55	74.00	-29.45
11490.00	38.34	Ave	219	1.7	H	-1.25	37.09	54.00	-16.91

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(HT20) U-NII-3 middle channel 5785MHz									
221.75	33.34	QP	234	1.1	H	-11.62	21.72	46.00	-24.28
221.75	43.10	QP	33	1.0	V	-11.62	31.48	46.00	-14.52
4530.39	54.56	PK	42	1.4	H	-2.03	52.53	74.00	-21.47
4530.39	43.53	Ave	42	1.4	H	-2.03	41.50	54.00	-12.50
5387.29	49.51	PK	61	1.7	H	5.81	55.32	74.00	-18.68
5387.29	37.52	Ave	61	1.7	H	5.81	43.33	54.00	-10.67
11570.00	45.93	PK	189	1.8	H	-1.22	44.71	74.00	-29.29
11570.00	39.92	Ave	189	1.8	H	-1.22	38.70	54.00	-15.30
802.11n(HT20) U-NII-3 High channel 5825MHz									
221.75	33.10	QP	92	1.9	H	-11.62	21.48	46.00	-24.52
221.75	44.35	QP	45	1.8	V	-11.62	32.73	46.00	-13.27
4512.28	58.33	PK	190	1.7	H	-1.84	56.49	74.00	-17.51
4512.28	46.48	Ave	190	1.7	H	-1.84	44.64	54.00	-9.36
5383.43	48.50	PK	291	1.8	H	5.84	54.34	74.00	-19.66
5383.43	38.85	Ave	291	1.8	H	5.84	44.69	54.00	-9.31
11650.00	46.18	PK	13	1.5	H	-1.30	44.88	74.00	-29.12
11650.00	39.07	Ave	13	1.5	H	-1.30	37.77	54.00	-16.23

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(VHT20) U-NII-1 Low Channel 5180MHz									
221.75	35.71	QP	58	1.2	H	-11.62	24.09	46.00	-21.91
221.75	46.10	QP	125	1.1	V	-11.62	34.48	46.00	-11.52
4523.83	46.62	PK	139	1.9	H	-1.86	44.76	74.00	-29.24
4523.83	39.89	Ave	139	1.9	H	-1.86	38.03	54.00	-15.97
5141.08	41.15	PK	349	1.1	H	-1.06	40.09	74.00	-33.91
5141.08	39.79	Ave	349	1.1	H	-1.06	38.73	54.00	-15.27
10360.00	45.93	PK	172	1.5	H	5.33	51.26	74.00	-22.74
10360.00	38.23	Ave	172	1.5	H	5.33	43.56	54.00	-10.44
802.11ac(VHT20) U-NII-1 Middle channel 5200MHz									
221.75	35.94	QP	296	1.4	H	-11.62	24.32	46.00	-21.68
221.75	45.88	QP	349	1.6	V	-11.62	34.26	46.00	-11.74
4515.53	46.25	PK	15	1.6	H	-1.82	44.43	74.00	-29.57
4515.53	40.44	Ave	15	1.6	H	-1.82	38.62	54.00	-15.38
5136.96	40.38	PK	313	1.5	H	-1.06	39.32	74.00	-34.68
5136.96	41.43	Ave	313	1.5	H	-1.06	40.37	54.00	-13.63
10400.00	41.82	PK	255	1.6	H	5.21	47.03	74.00	-26.97
10400.00	28.91	Ave	255	1.6	H	5.21	34.12	54.00	-19.88

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-1 High channel 5240MHz									
221.75	35.14	QP	120	1.6	H	-11.62	23.52	46.00	-22.48
221.75	45.23	QP	115	1.8	V	-11.62	33.61	46.00	-12.39
4521.36	46.67	PK	139	1.4	H	-1.81	44.86	74.00	-29.14
4521.36	39.65	Ave	139	1.4	H	-1.81	37.84	54.00	-16.16
5114.30	41.73	PK	182	1.6	H	-1.06	40.67	74.00	-33.33
5114.30	40.85	Ave	182	1.6	H	-1.06	39.79	54.00	-14.21
10480.00	41.41	PK	122	1.2	H	5.14	46.55	74.00	-27.45
10480.00	28.67	Ave	122	1.2	H	5.14	33.81	54.00	-20.19
802.11ac(VHT20) U-NII-2A Low Channel 5260MHz									
221.75	40.28	QP	15	1.0	H	-11.62	28.66	46.00	-17.34
221.75	36.69	QP	158	1.3	V	-11.62	25.07	46.00	-20.93
4531.22	41.51	PK	339	1.2	H	-2.03	39.48	74.00	-34.52
4531.22	29.06	Ave	339	1.2	H	-2.03	27.03	54.00	-26.97
5130.48	46.64	PK	246	1.6	H	-1.02	45.62	74.00	-28.38
5130.48	36.42	Ave	246	1.6	H	-1.02	35.40	54.00	-18.60
10520.00	41.07	PK	197	1.9	H	5.33	46.40	74.00	-27.60
10520.00	35.49	Ave	197	1.9	H	5.33	40.82	54.00	-13.18

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									
221.75	40.20	QP	37	1.3	H	-11.62	28.58	46.00	-17.42
221.75	37.88	QP	354	1.9	V	-11.62	26.26	46.00	-19.74
4509.59	41.29	PK	345	1.6	H	-1.94	39.35	74.00	-34.65
4509.59	28.77	Ave	345	1.6	H	-1.94	26.83	54.00	-27.17
5115.28	45.65	PK	344	1.7	H	-1.06	44.59	74.00	-29.41
5115.28	36.69	Ave	344	1.7	H	-1.06	35.63	54.00	-18.37
10560.00	40.31	PK	273	1.4	H	5.21	45.52	74.00	-28.48
10560.00	35.59	Ave	273	1.4	H	5.21	40.80	54.00	-13.20
802.11ac(VHT20) U-NII-2A High channel 5320MHz									
221.75	41.05	QP	196	1.3	H	-11.62	29.43	46.00	-16.57
221.75	39.02	QP	22	1.6	V	-11.62	27.40	46.00	-18.60
4536.32	41.52	PK	356	1.9	H	-2.24	39.28	74.00	-34.72
4536.32	30.21	Ave	356	1.9	H	-2.24	27.97	54.00	-26.03
5114.95	46.32	PK	2	1.7	H	-1.09	45.23	74.00	-28.77
5114.95	38.21	Ave	2	1.7	H	-1.09	37.12	54.00	-16.88
10640.00	41.11	PK	44	1.6	H	5.14	46.25	74.00	-27.75
10640.00	35.09	Ave	44	1.6	H	5.14	40.23	54.00	-13.77

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									
221.75	40.71	QP	150	1.1	H	-11.62	29.09	46.00	-16.91
221.75	45.08	QP	224	1.8	V	-11.62	33.46	46.00	-12.54
4533.90	42.15	PK	35	2.0	H	-2.03	40.12	74.00	-33.88
4533.90	39.29	Ave	35	2.0	H	-2.03	37.26	54.00	-16.74
5137.96	45.80	PK	141	1.1	H	-1.02	44.78	74.00	-29.22
5137.96	37.48	Ave	141	1.1	H	-1.02	36.46	54.00	-17.54
11000.00	40.86	PK	288	1.4	H	5.33	46.19	74.00	-27.81
11000.00	39.41	Ave	288	1.4	H	5.33	44.74	54.00	-9.26
802.11ac(VHT20) U-NII-2C Middle channel 5600MHz									
221.75	39.43	QP	242	1.2	H	-11.62	27.81	46.00	-18.19
221.75	39.81	QP	75	1.8	V	-11.62	28.19	46.00	-17.81
4514.45	41.05	PK	56	1.1	H	-1.94	39.11	74.00	-34.89
4514.45	36.75	Ave	56	1.1	H	-1.94	34.81	54.00	-19.19
5149.59	45.20	PK	285	1.9	H	-1.06	44.14	74.00	-29.86
5149.59	39.52	Ave	285	1.9	H	-1.06	38.46	54.00	-15.54
11200.00	37.82	PK	240	1.8	H	5.21	43.03	74.00	-30.97
11200.00	39.31	Ave	240	1.8	H	5.21	44.52	54.00	-9.48

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									
223.45	45.13	QP	322	2.0	H	-11.62	33.51	46.00	-12.49
223.45	38.15	QP	276	2.0	V	-11.62	26.53	46.00	-19.47
4508.43	42.68	PK	100	1.2	H	-2.24	40.44	74.00	-33.56
4508.43	36.75	Ave	100	1.2	H	-2.24	34.51	54.00	-19.49
5145.28	48.80	PK	149	1.2	H	-1.09	47.71	74.00	-26.29
5145.28	39.95	Ave	149	1.2	H	-1.09	38.86	54.00	-15.14
11400.00	-0.28	PK	251	1.4	H	5.14	4.86	68.20	-63.34
11400.00	42.78	Ave	251	1.4	H	5.14	47.92	54.00	-6.08
802.11ac(VHT20) U-NII-3 Low Channel 5745MHz									
221.75	38.21	QP	72	1.2	H	-11.62	26.59	46.00	-19.41
221.75	44.60	QP	94	1.1	V	-11.62	32.98	46.00	-13.02
4508.18	38.32	PK	78	1.7	H	-2.24	36.08	74.00	-37.92
4508.18	42.41	Ave	78	1.7	H	-2.24	40.17	54.00	-13.83
5136.12	49.37	PK	269	1.1	H	-1.09	48.28	74.00	-25.72
5136.12	38.78	Ave	269	1.1	H	-1.09	37.69	54.00	-16.31
11400.00	38.81	PK	264	2.0	H	5.14	43.95	74.00	-30.05
11400.00	38.49	Ave	264	2.0	H	5.14	43.63	54.00	-10.37

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)
802.11ac(VHT20) U-NII-3 middle channel 5785MHz									
221.75	33.84	QP	161	1.6	H	-11.62	22.22	46.00	-23.78
221.75	45.45	QP	357	1.3	V	-11.62	33.83	46.00	-12.17
4515.22	44.12	PK	339	1.6	H	-1.92	42.20	74.00	-31.80
4515.22	36.06	Ave	339	1.6	H	-1.92	34.14	54.00	-19.86
5358.47	39.72	PK	130	1.9	H	5.93	45.65	74.00	-28.35
5358.47	28.13	Ave	130	1.9	H	5.93	34.06	54.00	-19.94
11490.00	46.76	PK	272	1.9	H	-1.03	45.73	74.00	-28.27
11490.00	38.68	Ave	272	1.9	H	-1.03	37.65	54.00	-16.35
802.11ac(VHT20) U-NII-3 High channel 5825MHz									
221.75	33.34	QP	132	1.6	H	-11.62	21.72	46.00	-24.28
221.75	45.07	QP	190	1.0	V	-11.62	33.45	46.00	-12.55
4534.73	44.85	PK	347	1.5	H	-1.97	42.88	74.00	-31.12
4534.73	35.58	Ave	347	1.5	H	-1.97	33.61	54.00	-20.39
5365.03	41.76	PK	187	1.5	H	5.81	47.57	74.00	-26.43
5365.03	29.23	Ave	187	1.5	H	5.81	35.04	54.00	-18.96
11570.00	45.08	PK	358	1.5	H	-1.05	44.03	74.00	-29.97
11570.00	37.54	Ave	358	1.5	H	-1.05	36.49	54.00	-17.51

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									
221.75	32.58	QP	225	1.4	H	-11.62	20.96	46.00	-25.04
221.75	40.34	QP	207	1.6	V	-11.62	28.72	46.00	-17.28
4505.93	53.33	PK	238	1.6	H	-1.89	51.44	74.00	-22.56
4505.93	37.31	Ave	238	1.6	H	-1.89	35.42	54.00	-18.58
5143.34	45.53	PK	25	1.7	H	-1.06	44.47	74.00	-29.53
5143.34	38.23	Ave	25	1.7	H	-1.06	37.17	54.00	-16.83
10380.00	38.94	PK	121	1.9	H	5.26	44.20	74.00	-29.80
10380.00	27.38	Ave	121	1.9	H	5.26	32.64	54.00	-21.36
802.11n(HT40) U-NII-1 High channel 5230MHz									
221.75	32.82	QP	79	1.2	H	-11.62	21.20	46.00	-24.80
221.75	40.34	QP	301	1.2	V	-11.62	28.72	46.00	-17.28
4508.00	54.21	PK	127	1.4	H	-1.94	52.27	74.00	-21.73
4508.00	38.30	Ave	127	1.4	H	-1.94	36.36	54.00	-17.64
5126.70	45.00	PK	351	1.4	H	-1.06	43.94	74.00	-30.06
5126.70	39.21	Ave	351	1.4	H	-1.06	38.15	54.00	-15.85
10460.00	42.26	PK	14	1.8	H	5.28	47.54	74.00	-26.46
10460.00	29.91	Ave	14	1.8	H	5.28	35.19	54.00	-18.81

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT40) U-NII-2A Low Channel 5270MHz									
221.75	33.33	QP	142	1.5	H	-11.62	21.71	46.00	-24.29
221.75	40.62	QP	17	1.0	V	-11.62	29.00	46.00	-17.00
4523.05	53.12	PK	239	1.8	H	-1.89	51.23	74.00	-22.77
4523.05	40.57	Ave	239	1.8	H	-1.89	38.68	54.00	-15.32
5141.06	46.90	PK	16	1.4	H	-1.06	45.84	74.00	-28.16
5141.06	38.87	Ave	16	1.4	H	-1.06	37.81	54.00	-16.19
10540.00	45.02	PK	208	1.8	H	5.26	50.28	74.00	-23.72
10540.00	38.52	Ave	208	1.8	H	5.26	43.78	54.00	-10.22
802.11n(HT40) U-NII-2A High channel 5310MHz									
221.75	32.57	QP	326	1.8	H	-11.62	20.95	46.00	-25.05
221.75	39.95	QP	340	1.3	V	-11.62	28.33	46.00	-17.67
4505.96	54.07	PK	113	1.5	H	-1.94	52.13	74.00	-21.87
4505.96	39.69	Ave	113	1.5	H	-1.94	37.75	54.00	-16.25
5138.35	46.33	PK	186	1.5	H	-1.06	45.27	74.00	-28.73
5138.35	39.16	Ave	186	1.5	H	-1.06	38.10	54.00	-15.90
10620.00	41.26	PK	352	1.9	H	5.28	46.54	74.00	-27.46
10620.00	29.53	Ave	352	1.9	H	5.28	34.81	54.00	-19.19

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(HT40) U-NII-2C Low Channel 5510MHz									
221.75	32.95	QP	326	1.7	H	-11.62	21.33	46.00	-24.67
221.75	40.76	QP	20	1.3	V	-11.62	29.14	46.00	-16.86
4536.73	49.79	PK	113	1.9	H	-1.89	47.90	74.00	-26.10
4536.73	39.01	Ave	113	1.9	H	-1.89	37.12	54.00	-16.88
5144.76	53.69	PK	41	1.6	H	-1.06	52.63	74.00	-21.37
5144.76	37.85	Ave	41	1.6	H	-1.06	36.79	54.00	-17.21
11020.00	43.12	PK	41	1.3	H	5.26	48.38	74.00	-25.62
11020.00	36.04	Ave	41	1.3	H	5.26	41.30	54.00	-12.70
802.11n(HT40) U-NII-2C Middle channel 5550MHz									
221.75	33.62	QP	87	1.7	H	-11.62	22.00	46.00	-24.00
221.75	41.13	QP	114	1.1	V	-11.62	29.51	46.00	-16.49
4537.89	50.59	PK	91	1.4	H	-1.94	48.65	74.00	-25.35
4537.89	38.32	Ave	91	1.4	H	-1.94	36.38	54.00	-17.62
5143.59	52.74	PK	158	1.0	H	-1.06	51.68	74.00	-22.32
5143.59	37.23	Ave	158	1.0	H	-1.06	36.17	54.00	-17.83
11100.00	45.71	PK	215	1.3	H	5.28	50.99	74.00	-23.01
11100.00	37.25	Ave	215	1.3	H	5.28	42.53	54.00	-11.47
802.11n(HT40) U-NII-2C High channel 5670MHz									
221.75	33.78	QP	331	1.8	H	-11.62	22.16	46.00	-23.84
221.75	41.97	QP	322	1.7	V	-11.62	30.35	46.00	-15.65
4500.38	51.46	PK	347	1.6	H	-1.94	49.52	74.00	-24.48
4500.38	37.33	Ave	347	1.6	H	-1.94	35.39	54.00	-18.61
5130.30	53.08	PK	267	1.9	H	-1.06	52.02	74.00	-21.98
5130.30	38.37	Ave	267	1.9	H	-1.06	37.31	54.00	-16.69
11340.00	40.25	PK	198	1.0	H	5.28	45.53	74.00	-28.47
11340.00	32.55	Ave	198	1.0	H	5.28	37.83	54.00	-16.17

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									
221.75	33.70	QP	307	1.6	H	-11.62	22.08	46.00	-23.92
221.75	39.02	QP	208	2.0	V	-11.62	27.40	46.00	-18.60
4524.09	51.94	PK	224	1.2	H	-1.96	49.98	74.00	-24.02
4524.09	36.18	Ave	224	1.2	H	-1.96	34.22	54.00	-19.78
5385.08	40.39	PK	232	1.3	H	5.88	46.27	74.00	-27.73
5385.08	26.77	Ave	232	1.3	H	5.88	32.65	54.00	-21.35
11510.00	45.17	PK	244	1.4	H	-1.01	44.16	74.00	-29.84
11510.00	39.20	Ave	244	1.4	H	-1.01	38.19	54.00	-15.81
802.11n(HT40) U-NII-3 High Channel 5795MHz									
221.75	34.57	QP	86	1.6	H	-11.62	22.95	46.00	-23.05
221.75	39.78	QP	226	1.1	V	-11.62	28.16	46.00	-17.84
4508.99	52.05	PK	19	1.9	H	-1.92	50.13	74.00	-23.87
4508.99	35.90	Ave	19	1.9	H	-1.92	33.98	54.00	-20.02
5352.08	42.03	PK	197	1.1	H	5.63	47.66	74.00	-26.34
5352.08	29.21	Ave	197	1.1	H	5.63	34.84	54.00	-19.16
11590.00	45.72	PK	234	1.2	H	-1.04	44.68	74.00	-29.32
11590.00	38.06	Ave	234	1.2	H	-1.04	37.02	54.00	-16.98

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-1 Low Channel 5190MHz									
221.75	33.20	QP	239	1.0	H	-11.62	21.58	46.00	-24.42
221.75	40.45	QP	314	1.1	V	-11.62	28.83	46.00	-17.17
4513.78	50.65	PK	50	1.3	H	-1.91	48.74	74.00	-25.26
4513.78	34.33	Ave	50	1.3	H	-1.91	32.42	54.00	-21.58
5128.19	45.12	PK	324	1.3	H	-1.06	44.06	74.00	-29.94
5128.19	37.19	Ave	324	1.3	H	-1.06	36.13	54.00	-17.87
10380.00	39.82	PK	298	2.0	H	5.26	45.08	74.00	-28.92
10380.00	26.74	Ave	298	2.0	H	5.26	32.00	54.00	-22.00
802.11ac(VHT40) U-NII-1 High channel 5230MHz									
221.75	33.31	QP	252	1.5	H	-11.62	21.69	46.00	-24.31
221.75	41.01	QP	92	1.3	V	-11.62	29.39	46.00	-16.61
4512.28	50.00	PK	125	1.5	H	-1.93	48.07	74.00	-25.93
4512.28	34.46	Ave	125	1.5	H	-1.93	32.53	54.00	-21.47
5147.95	46.09	PK	176	1.5	H	-1.06	45.03	74.00	-28.97
5147.95	38.20	Ave	176	1.5	H	-1.06	37.14	54.00	-16.86
10460.00	41.47	PK	211	1.5	H	5.28	46.75	74.00	-27.25
10460.00	28.77	Ave	211	1.5	H	5.28	34.05	54.00	-19.95

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-2A Low Channel 5270MHz									
221.75	33.82	QP	50	1.8	H	-11.62	22.20	46.00	-23.80
221.75	38.27	QP	359	1.4	V	-11.62	26.65	46.00	-19.35
4510.84	42.37	PK	306	1.7	H	-1.89	40.48	74.00	-33.52
4510.84	28.04	Ave	306	1.7	H	-1.89	26.15	54.00	-27.85
5120.96	45.10	PK	60	1.1	H	-1.06	44.04	74.00	-29.96
5120.96	38.01	Ave	60	1.1	H	-1.06	36.95	54.00	-17.05
10540.00	39.91	PK	133	1.1	H	5.26	45.17	74.00	-28.83
10540.00	30.44	Ave	133	1.1	H	5.26	35.70	54.00	-18.30
802.11ac(VHT40) U-NII-2A High channel 5310MHz									
221.75	30.35	QP	292	1.9	H	-11.62	18.73	46.00	-27.27
221.75	39.64	QP	90	1.4	V	-11.62	28.02	46.00	-17.98
4522.09	41.17	PK	72	1.3	H	-1.94	39.23	74.00	-34.77
4522.09	28.54	Ave	72	1.3	H	-1.94	26.60	54.00	-27.40
5137.49	45.83	PK	308	1.8	H	-1.06	44.77	74.00	-29.23
5137.49	38.82	Ave	308	1.8	H	-1.06	37.76	54.00	-16.24
10620.00	40.99	PK	59	1.9	H	5.28	46.27	74.00	-27.73
10620.00	40.67	Ave	59	1.9	H	5.28	45.95	54.00	-8.05

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									
221.75	34.90	QP	283	1.2	H	-11.62	23.28	46.00	-22.72
221.75	37.94	QP	132	1.8	V	-11.62	26.32	46.00	-19.68
4532.04	41.14	PK	339	1.6	H	-1.89	39.25	74.00	-34.75
4532.04	40.36	Ave	339	1.6	H	-1.89	38.47	54.00	-15.53
5112.65	46.55	PK	69	2.0	H	-1.06	45.49	74.00	-28.51
5112.65	38.57	Ave	69	2.0	H	-1.06	37.51	54.00	-16.49
11020.00	39.69	PK	257	1.3	H	5.26	44.95	74.00	-29.05
11020.00	39.55	Ave	257	1.3	H	5.26	44.81	54.00	-9.19
802.11ac(VHT40) U-NII-2C Middle channel 5550MHz									
221.75	34.08	QP	69	1.6	H	-11.62	22.46	46.00	-23.54
221.75	37.99	QP	44	1.3	V	-11.62	26.37	46.00	-19.63
4527.49	40.78	PK	242	1.6	H	-1.94	38.84	74.00	-35.16
4527.49	41.01	Ave	242	1.6	H	-1.94	39.07	54.00	-14.93
5123.51	48.32	PK	125	1.7	H	-1.06	47.26	74.00	-26.74
5123.51	39.01	Ave	125	1.7	H	-1.06	37.95	54.00	-16.05
11100.00	42.06	PK	76	1.5	H	5.28	47.34	74.00	-26.66
11100.00	39.49	Ave	76	1.5	H	5.28	44.77	54.00	-9.23
802.11ac(VHT40) U-NII-2C High channel 5670MHz									
221.75	33.46	QP	13	2.0	H	-11.62	21.84	46.00	-24.16
221.75	38.61	QP	123	1.9	V	-11.62	26.99	46.00	-19.01
4502.30	41.06	PK	115	1.7	H	-1.94	39.12	74.00	-34.88
4502.30	41.11	Ave	115	1.7	H	-1.94	39.17	54.00	-14.83
5110.47	47.76	PK	218	1.3	H	-1.06	46.70	74.00	-27.30
5110.47	40.19	Ave	218	1.3	H	-1.06	39.13	54.00	-14.87
11340.00	41.98	PK	241	1.3	H	5.28	47.26	74.00	-26.74
11340.00	38.62	Ave	241	1.3	H	5.28	43.90	54.00	-10.10

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)
802.11ac(VHT40) U-NII-3 Low Channel 5755MHz									
221.75	38.33	QP	257	1.9	H	-11.62	26.71	46.00	-19.29
221.75	35.05	QP	145	1.2	V	-11.62	23.43	46.00	-22.57
4526.97	50.05	PK	247	1.5	H	-1.92	48.13	74.00	-25.87
4526.97	32.11	Ave	247	1.5	H	-1.92	30.19	54.00	-23.81
5375.02	40.20	PK	155	1.2	H	5.88	46.08	74.00	-27.92
5375.02	28.50	Ave	155	1.2	H	5.88	34.38	54.00	-19.62
11510.00	46.98	PK	119	1.8	H	-1.07	45.91	74.00	-28.09
11510.00	39.56	Ave	119	1.8	H	-1.07	38.49	54.00	-15.51
802.11ac(VHT40) U-NII-3 High Channel 5795MHz									
221.75	38.73	QP	108	1.9	H	-11.62	27.11	46.00	-18.89
221.75	35.32	QP	223	1.3	V	-11.62	23.70	46.00	-22.30
4512.38	49.72	PK	93	1.2	H	-1.86	47.86	74.00	-26.14
4512.38	31.35	Ave	93	1.2	H	-1.86	29.49	54.00	-24.51
5351.41	41.39	PK	205	1.5	H	5.63	47.02	74.00	-26.98
5351.41	30.30	Ave	205	1.5	H	5.63	35.93	54.00	-18.07
11590.00	45.65	PK	44	1.3	H	-1.03	44.62	74.00	-29.38
11590.00	38.72	Ave	44	1.3	H	-1.03	37.69	54.00	-16.31

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									
221.75	28.37	QP	345	1.5	H	-11.62	16.75	46.00	-29.25
221.75	46.75	QP	111	1.9	V	-11.62	35.13	46.00	-10.87
4507.97	37.49	PK	83	1.7	H	-1.88	35.61	74.00	-38.39
4507.97	40.74	Ave	83	1.7	H	-1.88	38.86	54.00	-15.14
5117.93	30.64	PK	289	1.5	H	-1.06	29.58	74.00	-44.42
5117.93	45.06	Ave	289	1.5	H	-1.06	44.00	54.00	-10.00
10420.00	41.61	PK	85	1.9	H	4.65	46.26	74.00	-27.74
10420.00	28.97	Ave	85	1.9	H	4.65	33.62	54.00	-20.38
802.11ac(VHT80) U-NII-2A Low Channel 5290MHz									
221.75	28.78	QP	20	1.0	H	-11.62	17.16	46.00	-28.84
221.75	40.44	QP	25	1.2	V	-11.62	28.82	46.00	-17.18
4516.07	39.84	PK	106	1.4	H	-1.88	37.96	74.00	-36.04
4516.07	31.52	Ave	106	1.4	H	-1.88	29.64	54.00	-24.36
5134.88	44.72	PK	98	1.3	H	-1.06	43.66	74.00	-30.34
5134.88	42.35	Ave	98	1.3	H	-1.06	41.29	54.00	-12.71
10580.00	27.96	PK	106	1.9	H	4.65	32.61	74.00	-41.39
10580.00	28.50	Ave	106	1.9	H	4.65	33.15	54.00	-20.85

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									
221.75	41.10	QP	318	1.8	H	-11.62	29.48	46.00	-16.52
221.75	40.41	QP	48	1.3	V	-11.62	28.79	46.00	-17.21
4539.38	30.58	PK	353	2.0	H	-1.88	28.70	74.00	-45.30
4539.38	45.53	Ave	353	2.0	H	-1.88	43.65	54.00	-10.35
5127.44	43.83	PK	353	1.5	H	-1.06	42.77	74.00	-31.23
5127.44	27.83	Ave	353	1.5	H	-1.06	26.77	54.00	-27.23
11060.00	46.20	PK	144	1.3	H	4.65	50.85	74.00	-23.15
11060.00	36.41	Ave	144	1.3	H	4.65	41.06	54.00	-12.94
802.11ac(VHT80) U-NII-3 Low channel 5775MHz									
221.75	40.75	QP	99	1.4	H	-11.62	29.13	46.00	-16.87
221.75	40.43	QP	43	1.8	V	-11.62	28.81	46.00	-17.19
4517.51	40.21	PK	179	1.7	H	-1.85	38.36	74.00	-35.64
4517.51	41.87	Ave	179	1.7	H	-1.85	40.02	54.00	-13.98
5362.24	41.42	PK	271	1.1	H	4.83	46.25	74.00	-27.75
5362.24	28.87	Ave	271	1.1	H	4.83	33.70	54.00	-20.30
11550.00	45.71	PK	219	1.2	H	-1.14	44.57	74.00	-29.43
11550.00	37.83	Ave	219	1.2	H	-1.14	36.69	54.00	-17.31

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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									
223.56	41.49	QP	297	1.1	H	-11.62	29.87	46.00	-16.13
223.56	44.05	QP	330	1.9	V	-11.62	32.43	46.00	-13.57
4500.38	58.58	PK	313	1.8	H	-2.03	56.55	74.00	-17.45
4500.38	43.62	Ave	313	1.8	H	-2.03	41.59	54.00	-12.41
5111.12	48.54	PK	250	1.3	H	-1.02	47.52	74.00	-26.48
5111.12	39.40	Ave	250	1.3	H	-1.02	38.38	54.00	-15.62
10360.00	41.73	PK	256	1.6	H	5.33	47.06	74.00	-26.94
10360.00	29.51	Ave	256	1.6	H	5.33	34.84	54.00	-19.16
802.11a U-NII-1 Middle channel 5200MHz									
223.56	40.01	QP	60	1.6	H	-11.62	28.39	46.00	-17.61
223.56	42.91	QP	182	1.5	V	-11.62	31.29	46.00	-14.71
4531.18	57.11	PK	10	1.5	H	-1.94	55.17	74.00	-18.83
4531.18	42.52	Ave	10	1.5	H	-1.94	40.58	54.00	-13.42
5112.95	48.07	PK	149	1.4	H	-1.06	47.01	74.00	-26.99
5112.95	39.81	Ave	149	1.4	H	-1.06	38.75	54.00	-15.25
10400.00	40.71	PK	2	1.5	H	5.21	45.92	74.00	-28.08
10400.00	28.21	Ave	2	1.5	H	5.21	33.42	54.00	-20.58

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)
802.11a U-NII-1 High channel 5240MHz									
223.56	38.54	QP	272	1.7	H	-11.62	26.92	46.00	-19.08
223.56	41.75	QP	335	2.0	V	-11.62	30.13	46.00	-15.87
4527.65	57.10	PK	84	1.6	H	-2.24	54.86	74.00	-19.14
4527.65	42.34	Ave	84	1.6	H	-2.24	40.10	54.00	-13.90
5138.90	48.43	PK	133	1.0	H	-1.09	47.34	74.00	-26.66
5138.90	39.31	Ave	133	1.0	H	-1.09	38.22	54.00	-15.78
10480.00	41.53	PK	207	1.9	H	5.14	46.67	74.00	-27.33
10480.00	29.04	Ave	207	1.9	H	5.14	34.18	54.00	-19.82
802.11a U-NII-2A Low Channel 5260MHz									
223.56	41.13	QP	141	1.9	H	-11.62	29.51	43.50	-13.99
223.56	42.69	QP	2	1.5	V	-11.62	31.07	43.50	-12.43
4514.46	55.10	PK	79	1.2	H	-2.03	53.07	74.00	-20.93
4514.46	40.77	Ave	79	1.2	H	-2.03	38.74	54.00	-15.26
5112.23	53.12	PK	1	1.7	H	-1.02	52.10	74.00	-21.90
5112.23	38.29	Ave	1	1.7	H	-1.02	37.27	54.00	-16.73
10520.00	41.25	PK	49	1.8	H	5.33	46.58	74.00	-27.42
10520.00	33.04	Ave	49	1.8	H	5.33	38.37	54.00	-15.63

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									
223.56	40.21	QP	99	1.4	H	-11.62	28.59	43.50	-14.91
223.56	41.66	QP	203	1.2	V	-11.62	30.04	43.50	-13.46
4519.52	54.05	PK	159	1.4	H	-1.94	52.11	74.00	-21.89
4519.52	39.27	Ave	159	1.4	H	-1.94	37.33	54.00	-16.67
5132.79	52.75	PK	24	1.2	H	-1.06	51.69	74.00	-22.31
5132.79	38.73	Ave	24	1.2	H	-1.06	37.67	54.00	-16.33
10560.00	40.57	PK	310	1.8	H	5.21	45.78	74.00	-28.22
10560.00	32.38	Ave	310	1.8	H	5.21	37.59	54.00	-16.41
802.11a U-NII-2A High channel 5320MHz									
223.56	38.97	QP	7	1.3	H	-11.62	27.35	43.50	-16.15
223.56	40.32	QP	52	1.1	V	-11.62	28.70	43.50	-14.80
4528.34	52.59	PK	155	1.9	H	-2.24	50.35	74.00	-23.65
4528.34	38.12	Ave	155	1.9	H	-2.24	35.88	54.00	-18.12
5130.16	52.59	PK	291	1.3	H	-1.09	51.50	74.00	-22.50
5130.16	38.84	Ave	291	1.3	H	-1.09	37.75	54.00	-16.25
10640.00	40.16	PK	269	1.5	H	5.14	45.30	74.00	-28.70
10640.00	32.44	Ave	269	1.5	H	5.14	37.58	54.00	-16.42

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-2C Low Channel 5500MHz									
223.56	41.52	QP	40	1.8	H	-11.62	29.90	43.50	-13.60
223.56	44.87	QP	334	1.3	V	-11.62	33.25	43.50	-10.25
4535.69	53.59	PK	359	1.8	H	-2.03	51.56	74.00	-22.44
4535.69	39.83	Ave	359	1.8	H	-2.03	37.80	54.00	-16.20
5131.25	54.01	PK	24	1.6	H	-1.02	52.99	74.00	-21.01
5131.25	38.65	Ave	24	1.6	H	-1.02	37.63	54.00	-16.37
11000.00	41.20	PK	255	1.8	H	5.33	46.53	74.00	-27.47
11000.00	36.99	Ave	255	1.8	H	5.33	42.32	54.00	-11.68
802.11a U-NII-2C Middle channel 5600MHz									
223.56	40.52	QP	13	1.3	H	-11.62	28.90	43.50	-14.60
223.56	44.75	QP	306	1.9	V	-11.62	33.13	43.50	-10.37
4523.06	52.44	PK	316	1.6	H	-1.94	50.50	74.00	-23.50
4523.06	39.48	Ave	316	1.6	H	-1.94	37.54	54.00	-16.46
5133.22	53.40	PK	280	1.8	H	-1.06	52.34	74.00	-21.66
5133.22	37.98	Ave	280	1.8	H	-1.06	36.92	54.00	-17.08
11200.00	40.26	PK	185	1.6	H	5.21	45.47	74.00	-28.53
11200.00	36.50	Ave	185	1.6	H	5.21	41.71	54.00	-12.29

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)
802.11a U-NII-2C High channel 5700MHz									
223.56	39.96	QP	4	1.5	H	-11.62	28.34	43.50	-15.16
223.56	43.94	QP	313	1.2	V	-11.62	32.32	43.50	-11.18
4524.98	50.94	PK	17	1.6	H	-2.24	48.70	74.00	-25.30
4524.98	38.80	Ave	17	1.6	H	-2.24	36.56	54.00	-17.44
5115.57	53.49	PK	36	1.2	H	-1.09	52.40	74.00	-21.60
5115.57	38.35	Ave	36	1.2	H	-1.09	37.26	54.00	-16.74
11400.00	41.16	PK	210	1.1	H	5.14	46.30	74.00	-27.70
11400.00	36.09	Ave	210	1.1	H	5.14	41.23	54.00	-12.77
802.11a U-NII-3 Low Channel 5745MHz									
223.56	37.52	QP	14	1.7	H	-11.62	25.90	46.00	-20.10
223.56	43.54	QP	349	1.2	V	-11.62	31.92	46.00	-14.08
4502.58	57.11	PK	88	1.8	H	-2.06	55.05	74.00	-18.95
4502.58	41.15	Ave	88	1.8	H	-2.06	39.09	54.00	-14.91
5366.62	41.30	PK	187	1.6	H	5.93	47.23	74.00	-26.77
5366.62	28.63	Ave	187	1.6	H	5.93	34.56	54.00	-19.44
11490.00	46.60	PK	156	1.4	H	-1.25	45.35	74.00	-28.65
11490.00	39.18	Ave	156	1.4	H	-1.25	37.93	54.00	-16.07

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									
223.56	36.20	QP	291	1.1	H	-11.62	24.58	46.00	-21.42
223.56	42.19	QP	339	1.3	V	-11.62	30.57	46.00	-15.43
4537.62	56.30	PK	182	1.5	H	-2.03	54.27	74.00	-19.73
4537.62	39.96	Ave	182	1.5	H	-2.03	37.93	54.00	-16.07
5364.73	40.94	PK	41	1.5	H	5.81	46.75	74.00	-27.25
5364.73	29.01	Ave	41	1.5	H	5.81	34.82	54.00	-19.18
11570.00	46.53	PK	254	1.9	H	-1.22	45.31	74.00	-28.69
11570.00	38.28	Ave	254	1.9	H	-1.22	37.06	54.00	-16.94
802.11a U-NII-3 High channel 5825MHz									
223.56	35.91	QP	7	1.8	H	-11.62	24.29	46.00	-21.71
223.56	41.69	QP	217	1.6	V	-11.62	30.07	46.00	-15.93
4506.75	55.37	PK	318	1.9	H	-1.84	53.53	74.00	-20.47
4506.75	38.92	Ave	318	1.9	H	-1.84	37.08	54.00	-16.92
5377.45	41.54	PK	95	1.8	H	5.84	47.38	74.00	-26.62
5377.45	29.41	Ave	95	1.8	H	5.84	35.25	54.00	-18.75
11650.00	45.46	PK	271	1.8	H	-1.30	44.16	74.00	-29.84
11650.00	38.15	Ave	271	1.8	H	-1.30	36.85	54.00	-17.15

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									
223.56	35.80	QP	33	1.3	H	-11.62	24.18	46.00	-21.82
223.56	41.16	QP	178	1.6	V	-11.62	29.54	46.00	-16.46
4500.22	54.53	PK	85	1.9	H	-2.14	52.39	74.00	-21.61
4500.22	38.83	Ave	85	1.9	H	-2.14	36.69	54.00	-17.31
5134.81	45.89	PK	277	1.2	H	-1.06	44.83	74.00	-29.17
5134.81	31.98	Ave	277	1.2	H	-1.06	30.92	54.00	-23.08
10360.00	41.64	PK	99	1.1	H	5.33	46.97	74.00	-27.03
10360.00	28.54	Ave	99	1.1	H	5.33	33.87	54.00	-20.13
802.11n(HT20) U-NII-1 Middle channel 5200MHz									
223.56	36.69	QP	193	1.4	H	-11.62	25.07	46.00	-20.93
223.56	39.74	QP	215	1.3	V	-11.62	28.12	46.00	-17.88
4513.06	54.12	PK	222	1.8	H	-1.96	52.16	74.00	-21.84
4513.06	38.43	Ave	222	1.8	H	-1.96	36.47	54.00	-17.53
5110.56	44.46	PK	70	1.3	H	-1.06	43.40	74.00	-30.60
5110.56	34.00	Ave	70	1.3	H	-1.06	32.94	54.00	-21.06
10480.00	42.25	PK	202	1.7	H	5.14	47.39	74.00	-26.61
10480.00	29.70	Ave	202	1.7	H	5.14	34.84	54.00	-19.16

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									
223.56	36.01	QP	21	1.5	H	-11.62	24.39	46.00	-21.61
223.56	45.31	QP	215	1.3	V	-11.62	33.69	46.00	-12.31
4509.60	51.50	PK	39	1.1	H	-2.03	49.47	74.00	-24.53
4509.60	43.79	Ave	39	1.1	H	-2.03	41.76	54.00	-12.24
5118.36	49.08	PK	303	1.0	H	-1.02	48.06	74.00	-25.94
5118.36	31.91	Ave	303	1.0	H	-1.02	30.89	54.00	-23.11
10520.00	39.40	PK	108	1.7	H	5.33	44.73	74.00	-29.27
10520.00	33.31	Ave	108	1.7	H	5.33	38.64	54.00	-15.36
802.11n(HT20) U-NII-2A Low Channel 5260MHz									
223.56	36.17	QP	297	1.4	H	-11.62	24.55	46.00	-21.45
223.56	46.26	QP	44	1.7	V	-11.62	34.64	46.00	-11.36
4503.75	52.74	PK	345	1.5	H	-1.94	50.80	74.00	-23.20
4503.75	44.49	Ave	345	1.5	H	-1.94	42.55	54.00	-11.45
5131.50	50.26	PK	60	1.5	H	-1.06	49.20	74.00	-24.80
5131.50	31.61	Ave	60	1.5	H	-1.06	30.55	54.00	-23.45
10560.00	38.74	PK	219	1.9	H	5.21	43.95	74.00	-30.05
10560.00	33.38	Ave	219	1.9	H	5.21	38.59	54.00	-15.41

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-2A middle channel 5280MHz									
223.56	35.93	QP	234	1.9	H	-11.62	24.31	46.00	-21.69
223.56	45.28	QP	280	1.2	V	-11.62	33.66	46.00	-12.34
4512.75	52.68	PK	231	1.6	H	-2.24	50.44	74.00	-23.56
4512.75	44.14	Ave	231	1.6	H	-2.24	41.90	54.00	-12.10
5125.15	50.62	PK	25	1.1	H	-1.09	49.53	74.00	-24.47
5125.15	32.32	Ave	25	1.1	H	-1.09	31.23	54.00	-22.77
10640.00	38.55	PK	273	1.8	H	5.14	43.69	74.00	-30.31
10640.00	34.10	Ave	273	1.8	H	5.14	39.24	54.00	-14.76
802.11n(HT20) U-NII-2A High channel 5320MHz									
223.56	35.80	QP	139	1.9	H	-11.62	24.18	46.00	-21.82
223.56	43.09	QP	254	1.9	V	-11.62	31.47	46.00	-14.53
4537.34	49.66	PK	9	1.0	H	-2.03	47.63	74.00	-26.37
4537.34	31.64	Ave	9	1.0	H	-2.03	29.61	54.00	-24.39
5140.70	48.15	PK	275	1.7	H	-1.02	47.13	74.00	-26.87
5140.70	35.77	Ave	275	1.7	H	-1.02	34.75	54.00	-19.25
11000.00	47.16	PK	295	1.6	H	5.33	52.49	74.00	-21.51
11000.00	30.28	Ave	295	1.6	H	5.33	35.61	54.00	-18.39

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11n(HT20) U-NII-2C Low Channel 5500MHz									
223.56	38.07	QP	92	1.3	H	-11.62	26.45	46.00	-19.55
223.56	45.76	QP	233	1.5	V	-11.62	34.14	46.00	-11.86
4520.89	49.30	PK	80	1.0	H	-2.03	47.27	74.00	-26.73
4520.89	35.91	Ave	80	1.0	H	-2.03	33.88	54.00	-20.12
5143.13	46.83	PK	30	1.1	H	-1.02	45.81	74.00	-28.19
5143.13	36.49	Ave	30	1.1	H	-1.02	35.47	54.00	-18.53
11000.00	47.85	PK	337	1.2	H	5.33	53.18	74.00	-20.82
11000.00	29.66	Ave	337	1.2	H	5.33	34.99	54.00	-19.01
802.11n(HT20) U-NII-2C Middle channel 5600MHz									
223.56	38.30	QP	164	1.3	H	-11.62	26.68	46.00	-19.32
223.56	46.14	QP	302	1.4	V	-11.62	34.52	46.00	-11.48
4526.62	50.12	PK	141	1.6	H	-1.94	48.18	74.00	-25.82
4526.62	34.81	Ave	141	1.6	H	-1.94	32.87	54.00	-21.13
5135.58	47.39	PK	14	1.7	H	-1.06	46.33	74.00	-27.67
5135.58	37.70	Ave	14	1.7	H	-1.06	36.64	54.00	-17.36
11200.00	47.67	PK	85	1.1	H	5.21	52.88	74.00	-21.12
11200.00	28.21	Ave	85	1.1	H	5.21	33.42	54.00	-20.58

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)
802.11n(HT20) U-NII-2C High channel 5700MHz									
223.56	34.65	QP	217	1.4	H	-11.62	23.03	46.00	-22.97
223.56	40.34	QP	356	1.9	V	-11.62	28.72	46.00	-17.28
4527.73	54.20	PK	105	1.8	H	-2.06	52.14	74.00	-21.86
4527.73	44.49	Ave	105	1.8	H	-2.06	42.43	54.00	-11.57
5365.49	45.08	PK	218	1.5	H	5.93	51.01	74.00	-22.99
5365.49	33.51	Ave	218	1.5	H	5.93	39.44	54.00	-14.56
11490.00	45.29	PK	51	2.0	H	-1.25	44.04	74.00	-29.96
11490.00	38.11	Ave	51	2.0	H	-1.25	36.86	54.00	-17.14
802.11n(HT20) U-NII-3 Low Channel 5745MHz									
223.56	29.90	QP	174	1.3	H	-11.62	18.28	46.00	-27.72
223.56	41.81	QP	183	1.4	V	-11.62	30.19	46.00	-15.81
4501.19	60.52	PK	194	1.7	H	-2.03	58.49	74.00	-15.51
4501.19	44.43	Ave	194	1.7	H	-2.03	42.40	54.00	-11.60
5387.11	50.16	PK	140	1.2	H	5.81	55.97	74.00	-18.03
5387.11	36.83	Ave	140	1.2	H	5.81	42.64	54.00	-11.36
11570.00	46.65	PK	109	1.4	H	-1.22	45.43	74.00	-28.57
11570.00	38.37	Ave	109	1.4	H	-1.22	37.15	54.00	-16.85

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									
221.75	33.34	QP	234	1.1	H	-11.62	21.72	46.00	-24.28
221.75	43.10	QP	33	1.0	V	-11.62	31.48	46.00	-14.52
4530.39	54.56	PK	42	1.4	H	-2.03	52.53	74.00	-21.47
4530.39	43.53	Ave	42	1.4	H	-2.03	41.50	54.00	-12.50
5387.29	49.51	PK	61	1.7	H	5.81	55.32	74.00	-18.68
5387.29	37.52	Ave	61	1.7	H	5.81	43.33	54.00	-10.67
11570.00	45.93	PK	189	1.8	H	-1.22	44.71	74.00	-29.29
11570.00	39.92	Ave	189	1.8	H	-1.22	38.70	54.00	-15.30
802.11n(HT20) U-NII-3 High channel 5825MHz									
223.56	23.32	QP	6	1.9	H	-11.62	11.70	46.00	-34.30
223.56	44.09	QP	341	1.6	V	-11.62	32.47	46.00	-13.53
4529.36	54.50	PK	202	1.8	H	-1.84	52.66	74.00	-21.34
4529.36	43.71	Ave	202	1.8	H	-1.84	41.87	54.00	-12.13
5385.36	48.57	PK	107	1.8	H	5.84	54.41	74.00	-19.59
5385.36	38.20	Ave	107	1.8	H	5.84	44.04	54.00	-9.96
11650.00	45.26	PK	207	1.2	H	-1.30	43.96	74.00	-30.04
11650.00	38.48	Ave	207	1.2	H	-1.30	37.18	54.00	-16.82

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									
223.56	21.88	QP	282	1.9	H	-11.62	10.26	46.00	-35.74
223.56	44.93	QP	210	1.6	V	-11.62	33.31	46.00	-12.69
4537.63	44.17	PK	262	2.0	H	-1.86	42.31	74.00	-31.69
4537.63	38.74	Ave	262	2.0	H	-1.86	36.88	54.00	-17.12
5116.25	33.49	PK	278	1.3	H	-1.06	32.43	74.00	-41.57
5116.25	43.89	Ave	278	1.3	H	-1.06	42.83	54.00	-11.17
10360.00	46.42	PK	121	1.3	H	5.33	51.75	74.00	-22.25
10360.00	38.23	Ave	121	1.3	H	5.33	43.56	54.00	-10.44
802.11ac(VHT20) U-NII-1 Middle channel 5200MHz									
223.56	21.53	QP	202	1.8	H	-11.62	9.91	46.00	-36.09
223.56	45.14	QP	180	1.2	V	-11.62	33.52	46.00	-12.48
4521.77	43.44	PK	64	1.4	H	-1.82	41.62	74.00	-32.38
4521.77	38.61	Ave	64	1.4	H	-1.82	36.79	54.00	-17.21
5128.96	34.44	PK	343	1.9	H	-1.06	33.38	74.00	-40.62
5128.96	43.99	Ave	343	1.9	H	-1.06	42.93	54.00	-11.07
10400.00	41.44	PK	117	1.7	H	5.21	46.65	74.00	-27.35
10400.00	30.57	Ave	117	1.7	H	5.21	35.78	54.00	-18.22

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									
223.56	28.99	QP	159	1.9	H	-11.62	17.37	46.00	-28.63
223.56	44.13	QP	328	1.7	V	-11.62	32.51	46.00	-13.49
4502.60	48.50	PK	249	1.5	H	-1.81	46.69	74.00	-27.31
4502.60	36.20	Ave	249	1.5	H	-1.81	34.39	54.00	-19.61
5135.98	39.07	PK	117	1.6	H	-1.06	38.01	74.00	-35.99
5135.98	40.27	Ave	117	1.6	H	-1.06	39.21	54.00	-14.79
10480.00	41.50	PK	73	1.8	H	5.14	46.64	74.00	-27.36
10480.00	29.45	Ave	73	1.8	H	5.14	34.59	54.00	-19.41
802.11ac(VHT20) U-NII-2A Low Channel 5260MHz									
223.56	35.56	QP	108	1.4	H	-11.62	23.94	46.00	-22.06
223.56	42.24	QP	357	2.0	V	-11.62	30.62	46.00	-15.38
4513.59	41.16	PK	55	1.0	H	-2.03	39.13	74.00	-34.87
4513.59	27.94	Ave	55	1.0	H	-2.03	25.91	54.00	-28.09
5118.04	45.72	PK	324	1.4	H	-1.02	44.70	74.00	-29.30
5118.04	34.47	Ave	324	1.4	H	-1.02	33.45	54.00	-20.55
10520.00	35.89	PK	8	1.9	H	5.33	41.22	74.00	-32.78
10520.00	38.13	Ave	8	1.9	H	5.33	43.46	54.00	-10.54

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)
802.11ac(VHT20) U-NII-2A middle channel 5280MHz									
223.56	34.02	QP	1	1.2	H	-11.62	22.40	46.00	-23.60
223.56	37.92	QP	44	1.7	V	-11.62	26.30	46.00	-19.70
4525.71	43.36	PK	80	1.4	H	-1.94	41.42	74.00	-32.58
4525.71	27.23	Ave	80	1.4	H	-1.94	25.29	54.00	-28.71
5133.24	49.12	PK	79	1.3	H	-1.06	48.06	74.00	-25.94
5133.24	36.05	Ave	79	1.3	H	-1.06	34.99	54.00	-19.01
10560.00	36.67	PK	322	1.8	H	5.21	41.88	74.00	-32.12
10560.00	38.52	Ave	322	1.8	H	5.21	43.73	54.00	-10.27
802.11ac(VHT20) U-NII-2A High channel 5320MHz									
223.56	34.21	QP	276	1.7	H	-11.62	22.59	46.00	-23.41
223.56	37.05	QP	111	1.1	V	-11.62	25.43	46.00	-20.57
4507.51	43.16	PK	3	1.3	H	-2.24	40.92	74.00	-33.08
4507.51	27.47	Ave	3	1.3	H	-2.24	25.23	54.00	-28.77
5131.50	48.87	PK	267	1.6	H	-1.09	47.78	74.00	-26.22
5131.50	35.22	Ave	267	1.6	H	-1.09	34.13	54.00	-19.87
10640.00	35.94	PK	105	1.8	H	5.14	41.08	74.00	-32.92
10640.00	38.62	Ave	105	1.8	H	5.14	43.76	54.00	-10.24

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									
223.56	38.31	QP	113	1.4	H	-11.62	26.69	46.00	-19.31
223.56	41.40	QP	243	1.6	V	-11.62	29.78	46.00	-16.22
4531.26	34.28	PK	252	1.3	H	-2.03	32.25	74.00	-41.75
4531.26	42.62	Ave	252	1.3	H	-2.03	40.59	54.00	-13.41
5135.00	48.27	PK	327	1.2	H	-1.02	47.25	74.00	-26.75
5135.00	33.97	Ave	327	1.2	H	-1.02	32.95	54.00	-21.05
11000.00	37.06	PK	358	1.1	H	5.33	42.39	74.00	-31.61
11000.00	38.43	Ave	358	1.1	H	5.33	43.76	54.00	-10.24
802.11ac(VHT20) U-NII-2C Middle channel 5600MHz									
223.56	39.38	QP	190	1.7	H	-11.62	27.76	46.00	-18.24
223.56	42.69	QP	54	1.3	V	-11.62	31.07	46.00	-14.93
4525.47	33.00	PK	200	2.0	H	-1.94	31.06	74.00	-42.94
4525.47	43.74	Ave	200	2.0	H	-1.94	41.80	54.00	-12.20
5120.74	48.41	PK	131	1.2	H	-1.06	47.35	74.00	-26.65
5120.74	34.95	Ave	131	1.2	H	-1.06	33.89	54.00	-20.11
11200.00	38.03	PK	251	1.7	H	5.21	43.24	74.00	-30.76
11200.00	38.17	Ave	251	1.7	H	5.21	43.38	54.00	-10.62

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)
802.11ac(VHT20) U-NII-2C High channel 5700MHz									
223.45	45.13	QP	322	2.0	H	-11.62	33.51	46.00	-12.49
223.45	38.15	QP	276	2.0	V	-11.62	26.53	46.00	-19.47
4508.43	42.68	PK	100	1.2	H	-2.24	40.44	74.00	-33.56
4508.43	36.75	Ave	100	1.2	H	-2.24	34.51	54.00	-19.49
5145.28	48.80	PK	149	1.2	H	-1.09	47.71	74.00	-26.29
5145.28	39.95	Ave	149	1.2	H	-1.09	38.86	54.00	-15.14
11400.00	-0.28	PK	251	1.4	H	5.14	4.86	68.20	-63.34
11400.00	42.78	Ave	251	1.4	H	5.14	47.92	54.00	-6.08
802.11ac(VHT20) U-NII-3 Low Channel 5745MHz									
223.56	37.16	QP	43	1.7	H	-11.62	25.54	46.00	-20.46
223.56	42.20	QP	18	1.6	V	-11.62	30.58	46.00	-15.42
4504.83	36.62	PK	289	1.8	H	-2.24	34.38	74.00	-39.62
4504.83	41.98	Ave	289	1.8	H	-2.24	39.74	54.00	-14.26
5131.84	45.30	PK	260	1.7	H	-1.09	44.21	74.00	-29.79
5131.84	35.42	Ave	260	1.7	H	-1.09	34.33	54.00	-19.67
11400.00	36.96	PK	78	1.5	H	5.14	42.10	74.00	-31.90
11400.00	34.88	Ave	78	1.5	H	5.14	40.02	54.00	-13.98

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT20) U-NII-3 middle channel 5785MHz									
223.56	28.00	QP	12	1.6	H	-11.62	16.38	46.00	-29.62
223.56	45.57	QP	43	1.2	V	-11.62	33.95	46.00	-12.05
4502.07	43.44	PK	11	1.7	H	-1.92	41.52	74.00	-32.48
4502.07	34.57	Ave	11	1.7	H	-1.92	32.65	54.00	-21.35
5383.51	39.82	PK	179	1.2	H	5.93	45.75	74.00	-28.25
5383.51	27.64	Ave	179	1.2	H	5.93	33.57	54.00	-20.43
11490.00	46.77	PK	293	1.6	H	-1.03	45.74	74.00	-28.26
11490.00	39.55	Ave	293	1.6	H	-1.03	38.52	54.00	-15.48
802.11ac(VHT20) U-NII-3 High channel 5825MHz									
223.56	28.44	QP	50	1.4	H	-11.62	16.82	46.00	-29.18
223.56	45.36	QP	191	1.4	V	-11.62	33.74	46.00	-12.26
4521.17	42.83	PK	69	1.7	H	-1.97	40.86	74.00	-33.14
4521.17	34.18	Ave	69	1.7	H	-1.97	32.21	54.00	-21.79
5369.34	40.13	PK	69	1.7	H	5.81	45.94	74.00	-28.06
5369.34	30.03	Ave	69	1.7	H	5.81	35.84	54.00	-18.16
11570.00	45.22	PK	105	1.7	H	-1.05	44.17	74.00	-29.83
11570.00	38.28	Ave	105	1.7	H	-1.05	37.23	54.00	-16.77

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									
223.56	29.39	QP	27	1.5	H	-11.62	17.77	46.00	-28.23
223.56	46.10	QP	181	1.3	V	-11.62	34.48	46.00	-11.52
4524.96	43.50	PK	109	1.2	H	-1.88	41.62	74.00	-32.38
4524.96	33.38	Ave	109	1.2	H	-1.88	31.50	54.00	-22.50
5363.04	40.28	PK	204	1.4	H	5.84	46.12	74.00	-27.88
5363.04	28.85	Ave	204	1.4	H	5.84	34.69	54.00	-19.31
11650.00	45.17	PK	268	1.9	H	-1.06	44.11	74.00	-29.89
11650.00	38.58	Ave	268	1.9	H	-1.06	37.52	54.00	-16.48
802.11n(HT40) U-NII-1 High channel 5230MHz									
223.56	33.21	QP	46	1.9	H	-11.62	21.59	46.00	-24.41
223.56	46.27	QP	173	1.2	V	-11.62	34.65	46.00	-11.35
4521.41	53.52	PK	43	1.4	H	-1.89	51.63	74.00	-22.37
4521.41	41.34	Ave	43	1.4	H	-1.89	39.45	54.00	-14.55
5114.13	47.73	PK	216	1.4	H	-1.06	46.67	74.00	-27.33
5114.13	34.23	Ave	216	1.4	H	-1.06	33.17	54.00	-20.83
10380.00	39.86	PK	277	1.4	H	5.26	45.12	74.00	-28.88
10380.00	26.81	Ave	277	1.4	H	5.26	32.07	54.00	-21.93

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(HT40) U-NII-2A Low Channel 5270MHz									
223.56	32.82	QP	63	1.5	H	-11.62	21.20	46.00	-24.80
223.56	45.99	QP	140	1.7	V	-11.62	34.37	46.00	-11.63
4513.05	54.49	PK	115	1.7	H	-1.94	52.55	74.00	-21.45
4513.05	40.39	Ave	115	1.7	H	-1.94	38.45	54.00	-15.55
5120.87	48.11	PK	231	1.2	H	-1.06	47.05	74.00	-26.95
5120.87	33.36	Ave	231	1.2	H	-1.06	32.30	54.00	-21.70
10460.00	41.72	PK	273	1.1	H	5.28	47.00	74.00	-27.00
10460.00	29.77	Ave	273	1.1	H	5.28	35.05	54.00	-18.95
802.11n(HT40) U-NII-2A High channel 5310MHz									
223.56	32.76	QP	354	1.1	H	-11.62	21.14	46.00	-24.86
223.56	45.32	QP	195	1.4	V	-11.62	33.70	46.00	-12.30
4527.78	53.06	PK	83	1.7	H	-1.89	51.17	74.00	-22.83
4527.78	40.10	Ave	83	1.7	H	-1.89	38.21	54.00	-15.79
5142.35	46.17	PK	159	1.7	H	-1.06	45.11	74.00	-28.89
5142.35	34.74	Ave	159	1.7	H	-1.06	33.68	54.00	-20.32
10540.00	44.94	PK	279	1.8	H	5.26	50.20	74.00	-23.80
10540.00	33.93	Ave	279	1.8	H	5.26	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-2C Low Channel 5510MHz									
223.56	33.60	QP	224	1.7	H	-11.62	21.98	46.00	-24.02
223.56	46.26	QP	150	1.6	V	-11.62	34.64	46.00	-11.36
4517.19	52.61	PK	309	1.9	H	-1.94	50.67	74.00	-23.33
4517.19	40.63	Ave	309	1.9	H	-1.94	38.69	54.00	-15.31
5119.61	48.14	PK	5	1.8	H	-1.06	47.08	74.00	-26.92
5119.61	35.14	Ave	5	1.8	H	-1.06	34.08	54.00	-19.92
10620.00	40.49	PK	57	1.1	H	5.28	45.77	74.00	-28.23
10620.00	28.69	Ave	57	1.1	H	5.28	33.97	54.00	-20.03
802.11n(HT40) U-NII-2C Middle channel 5550MHz									
223.56	33.35	QP	140	1.2	H	-11.62	21.73	46.00	-24.27
223.56	46.47	QP	227	1.2	V	-11.62	34.85	46.00	-11.15
4509.64	49.83	PK	302	1.7	H	-1.89	47.94	74.00	-26.06
4509.64	37.73	Ave	302	1.7	H	-1.89	35.84	54.00	-18.16
5132.55	53.22	PK	162	1.3	H	-1.06	52.16	74.00	-21.84
5132.55	36.14	Ave	162	1.3	H	-1.06	35.08	54.00	-18.92
11020.00	44.28	PK	226	1.6	H	5.26	49.54	74.00	-24.46
11020.00	32.76	Ave	226	1.6	H	5.26	38.02	54.00	-15.98
802.11n(HT40) U-NII-2C High channel 5670MHz									
223.56	34.66	QP	151	1.4	H	-11.62	23.04	46.00	-22.96
223.56	46.95	QP	303	1.1	V	-11.62	35.33	46.00	-10.67
4526.73	50.27	PK	263	1.6	H	-1.94	48.33	74.00	-25.67
4526.73	37.23	Ave	263	1.6	H	-1.94	35.29	54.00	-18.71
5110.40	57.10	PK	259	1.3	H	-1.06	56.04	74.00	-17.96
5110.40	35.92	Ave	259	1.3	H	-1.06	34.86	54.00	-19.14
11340.00	40.98	PK	49	1.3	H	5.28	46.26	74.00	-27.74
11340.00	33.50	Ave	49	1.3	H	5.28	38.78	54.00	-15.22

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									
223.56	32.51	QP	196	1.8	H	-11.62	20.89	46.00	-25.11
223.56	47.17	QP	128	1.8	V	-11.62	35.55	46.00	-10.45
4538.84	51.55	PK	290	1.2	H	-1.96	49.59	74.00	-24.41
4538.84	37.84	Ave	290	1.2	H	-1.96	35.88	54.00	-18.12
5364.95	39.28	PK	96	1.9	H	5.88	45.16	74.00	-28.84
5364.95	28.09	Ave	96	1.9	H	5.88	33.97	54.00	-20.03
11510.00	45.22	PK	18	1.4	H	-1.01	44.21	74.00	-29.79
11510.00	37.62	Ave	18	1.4	H	-1.01	36.61	54.00	-17.39
802.11n(HT40) U-NII-3 High Channel 5795MHz									
223.56	31.84	QP	197	1.6	H	-11.62	20.22	46.00	-25.78
223.56	46.85	QP	20	1.7	V	-11.62	35.23	46.00	-10.77
4536.32	51.70	PK	39	1.6	H	-1.92	49.78	74.00	-24.22
4536.32	37.24	Ave	39	1.6	H	-1.92	35.32	54.00	-18.68
5366.21	41.37	PK	224	1.1	H	5.63	47.00	74.00	-27.00
5366.21	29.27	Ave	224	1.1	H	5.63	34.90	54.00	-19.10
11590.00	45.32	PK	175	1.8	H	-1.04	44.28	74.00	-29.72
11590.00	39.41	Ave	175	1.8	H	-1.04	38.37	54.00	-15.63

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									
223.56	33.28	QP	308	1.9	H	-11.62	21.66	46.00	-24.34
223.56	47.16	QP	3	1.2	V	-11.62	35.54	46.00	-10.46
4536.36	50.52	PK	198	1.9	H	-1.91	48.61	74.00	-25.39
4536.36	34.50	Ave	198	1.9	H	-1.91	32.59	54.00	-21.41
5121.10	46.93	PK	330	1.9	H	-1.06	45.87	74.00	-28.13
5121.10	34.37	Ave	330	1.9	H	-1.06	33.31	54.00	-20.69
10380.00	39.17	PK	106	1.3	H	5.26	44.43	74.00	-29.57
10380.00	27.54	Ave	106	1.3	H	5.26	32.80	54.00	-21.20
802.11ac(VHT40) U-NII-1 High channel 5230MHz									
223.56	33.84	QP	35	1.4	H	-11.62	22.22	46.00	-23.78
223.56	47.24	QP	48	1.7	V	-11.62	35.62	46.00	-10.38
4532.84	49.61	PK	289	1.3	H	-1.93	47.68	74.00	-26.32
4532.84	33.79	Ave	289	1.3	H	-1.93	31.86	54.00	-22.14
5131.61	46.96	PK	180	2.0	H	-1.06	45.90	74.00	-28.10
5131.61	35.38	Ave	180	2.0	H	-1.06	34.32	54.00	-19.68
10460.00	41.61	PK	15	2.0	H	5.28	46.89	74.00	-27.11
10460.00	29.53	Ave	15	2.0	H	5.28	34.81	54.00	-19.19

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)
802.11ac(VHT40) U-NII-2A Low Channel 5270MHz									
223.56	34.27	QP	128	2.0	H	-11.62	22.65	46.00	-23.35
223.56	35.03	QP	48	1.1	V	-11.62	23.41	46.00	-22.59
4506.78	40.70	PK	108	1.7	H	-1.89	38.81	74.00	-35.19
4506.78	28.82	Ave	108	1.7	H	-1.89	26.93	54.00	-27.07
5118.86	44.87	PK	345	1.4	H	-1.06	43.81	74.00	-30.19
5118.86	34.67	Ave	345	1.4	H	-1.06	33.61	54.00	-20.39
10540.00	39.79	PK	106	1.8	H	5.26	45.05	74.00	-28.95
10540.00	31.29	Ave	106	1.8	H	5.26	36.55	54.00	-17.45
802.11ac(VHT40) U-NII-2A High channel 5310MHz									
223.56	32.72	QP	7	1.1	H	-11.62	21.10	46.00	-24.90
223.56	40.35	QP	344	1.8	V	-11.62	28.73	46.00	-17.27
4511.49	42.39	PK	176	1.2	H	-1.94	40.45	74.00	-33.55
4511.49	29.75	Ave	176	1.2	H	-1.94	27.81	54.00	-26.19
5133.49	46.73	PK	89	1.5	H	-1.06	45.67	74.00	-28.33
5133.49	34.60	Ave	89	1.5	H	-1.06	33.54	54.00	-20.46
10620.00	40.89	PK	102	1.8	H	5.28	46.17	74.00	-27.83
10620.00	38.40	Ave	102	1.8	H	5.28	43.68	54.00	-10.32

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11ac(VHT40) U-NII-2C Low Channel 5510MHz									
223.56	33.21	QP	31	1.8	H	-11.62	21.59	46.00	-24.41
223.56	34.90	QP	177	1.6	V	-11.62	23.28	46.00	-22.72
4504.04	41.80	PK	240	2.0	H	-1.89	39.91	74.00	-34.09
4504.04	39.19	Ave	240	2.0	H	-1.89	37.30	54.00	-16.70
5143.62	47.17	PK	209	1.3	H	-1.06	46.11	74.00	-27.89
5143.62	36.80	Ave	209	1.3	H	-1.06	35.74	54.00	-18.26
11020.00	39.14	PK	57	1.3	H	5.26	44.40	74.00	-29.60
11020.00	38.58	Ave	57	1.3	H	5.26	43.84	54.00	-10.16
802.11ac(VHT40) U-NII-2C Middle channel 5550MHz									
223.56	26.90	QP	142	1.5	H	-11.62	15.28	46.00	-30.72
223.56	37.53	QP	25	1.1	V	-11.62	25.91	46.00	-20.09
4507.55	41.69	PK	115	2.0	H	-1.94	39.75	74.00	-34.25
4507.55	36.17	Ave	115	2.0	H	-1.94	34.23	54.00	-19.77
5112.63	49.01	PK	248	1.5	H	-1.06	47.95	74.00	-26.05
5112.63	36.60	Ave	248	1.5	H	-1.06	35.54	54.00	-18.46
11100.00	40.36	PK	133	1.6	H	5.28	45.64	74.00	-28.36
11100.00	35.79	Ave	133	1.6	H	5.28	41.07	54.00	-12.93
802.11ac(VHT40) U-NII-2C High channel 5670MHz									
223.56	27.15	QP	274	1.3	H	-11.62	15.53	46.00	-30.47
223.56	36.74	QP	134	1.4	V	-11.62	25.12	46.00	-20.88
4531.78	41.09	PK	127	1.8	H	-1.94	39.15	74.00	-34.85
4531.78	36.66	Ave	127	1.8	H	-1.94	34.72	54.00	-19.28
5143.12	50.69	PK	135	1.8	H	-1.06	49.63	74.00	-24.37
5143.12	36.17	Ave	135	1.8	H	-1.06	35.11	54.00	-18.89
11340.00	41.00	PK	320	1.4	H	5.28	46.28	74.00	-27.72
11340.00	36.10	Ave	320	1.4	H	5.28	41.38	54.00	-12.62

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)
802.11ac(VHT40) U-NII-3 Low Channel 5755MHz									
223.56	28.14	QP	178	1.3	H	-11.62	16.52	46.00	-29.48
223.56	42.03	QP	93	1.9	V	-11.62	30.41	46.00	-15.59
4502.03	45.99	PK	205	1.9	H	-1.92	44.07	74.00	-29.93
4502.03	34.68	Ave	205	1.9	H	-1.92	32.76	54.00	-21.24
5377.36	39.45	PK	359	1.5	H	5.88	45.33	74.00	-28.67
5377.36	28.21	Ave	359	1.5	H	5.88	34.09	54.00	-19.91
11510.00	45.17	PK	235	1.6	H	-1.07	44.10	74.00	-29.90
11510.00	39.76	Ave	235	1.6	H	-1.07	38.69	54.00	-15.31
802.11ac(VHT40) U-NII-3 High Channel 5795MHz									
223.56	28.45	QP	93	1.8	H	-11.62	16.83	46.00	-29.17
223.56	42.67	QP	171	1.5	V	-11.62	31.05	46.00	-14.95
4530.21	45.77	PK	82	1.6	H	-1.86	43.91	74.00	-30.09
4530.21	34.91	Ave	82	1.6	H	-1.86	33.05	54.00	-20.95
5363.71	42.75	PK	60	1.3	H	5.63	48.38	74.00	-25.62
5363.71	30.07	Ave	60	1.3	H	5.63	35.70	54.00	-18.30
11590.00	46.38	PK	339	1.5	H	-1.03	45.35	74.00	-28.65
11590.00	38.36	Ave	339	1.5	H	-1.03	37.33	54.00	-16.67

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(VHT80) U-NII-1 Low Channel 5210MHz									
223.56	30.64	QP	160	1.5	H	-11.62	19.02	46.00	-26.98
223.56	45.42	QP	349	1.2	V	-11.62	33.80	46.00	-12.20
4534.07	36.70	PK	342	1.2	H	-1.88	34.82	74.00	-39.18
4534.07	41.81	Ave	342	1.2	H	-1.88	39.93	54.00	-14.07
5114.01	28.73	PK	34	1.2	H	-1.06	27.67	74.00	-46.33
5114.01	44.71	Ave	34	1.2	H	-1.06	43.65	54.00	-10.35
10420.00	40.57	PK	53	1.6	H	4.65	45.22	74.00	-28.78
10420.00	29.39	Ave	53	1.6	H	4.65	34.04	54.00	-19.96
802.11ac(VHT80) U-NII-2A Low Channel 5290MHz									
223.56	31.46	QP	323	1.8	H	-11.62	19.84	46.00	-26.16
223.56	39.31	QP	137	1.4	V	-11.62	27.69	46.00	-18.31
4518.68	41.43	PK	138	1.2	H	-1.88	39.55	74.00	-34.45
4518.68	27.76	Ave	138	1.2	H	-1.88	25.88	54.00	-28.12
5130.54	45.73	PK	229	1.4	H	-1.06	44.67	74.00	-29.33
5130.54	40.55	Ave	229	1.4	H	-1.06	39.49	54.00	-14.51
10580.00	28.38	PK	276	1.3	H	4.65	33.03	74.00	-40.97
10580.00	30.11	Ave	276	1.3	H	4.65	34.76	54.00	-19.24

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									
223.56	38.72	QP	232	1.9	H	-11.62	27.10	46.00	-18.90
223.56	41.35	QP	150	1.6	V	-11.62	29.73	46.00	-16.27
4529.98	28.24	PK	208	1.7	H	-1.88	26.36	74.00	-47.64
4529.98	46.15	Ave	208	1.7	H	-1.88	44.27	54.00	-9.73
5128.73	41.68	PK	286	1.3	H	-1.06	40.62	74.00	-33.38
5128.73	28.73	Ave	286	1.3	H	-1.06	27.67	54.00	-26.33
11060.00	46.07	PK	281	1.7	H	4.65	50.72	74.00	-23.28
11060.00	33.29	Ave	281	1.7	H	4.65	37.94	54.00	-16.06
802.11ac(VHT80) U-NII-3 Low channel 5775MHz									
223.56	39.56	QP	200	1.4	H	-11.62	27.94	46.00	-18.06
223.56	41.77	QP	260	1.1	V	-11.62	30.15	46.00	-15.85
4512.30	41.35	PK	133	1.2	H	-1.85	39.50	74.00	-34.50
4512.30	39.69	Ave	133	1.2	H	-1.85	37.84	54.00	-16.16
5358.96	41.75	PK	20	1.1	H	4.83	46.58	74.00	-27.42
5358.96	29.35	Ave	20	1.1	H	4.83	34.18	54.00	-19.82
11550.00	45.78	PK	197	1.9	H	-1.14	44.64	74.00	-29.36
11550.00	38.76	Ave	197	1.9	H	-1.14	37.62	54.00	-16.38

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

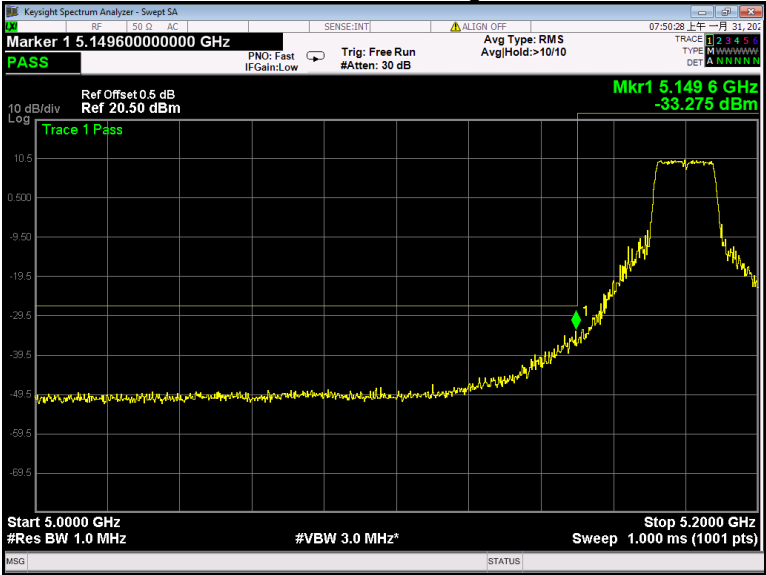
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then 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

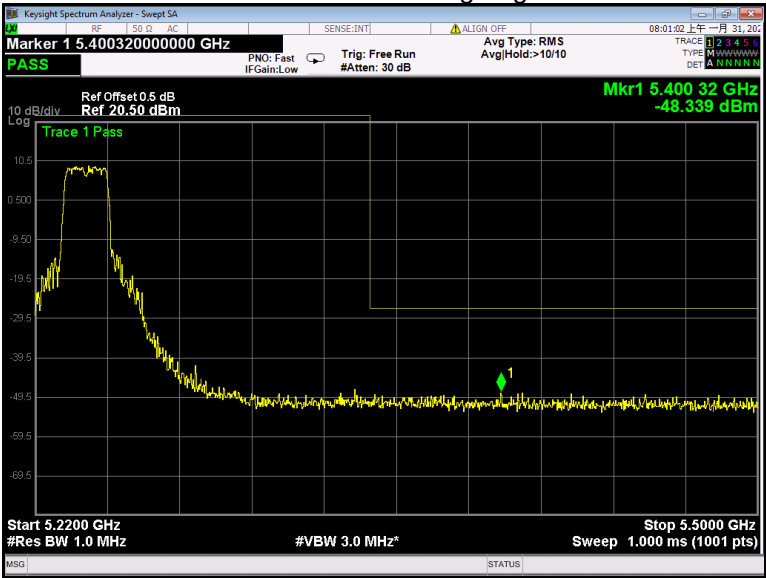
Test result plots shown as follows:

ANT 1

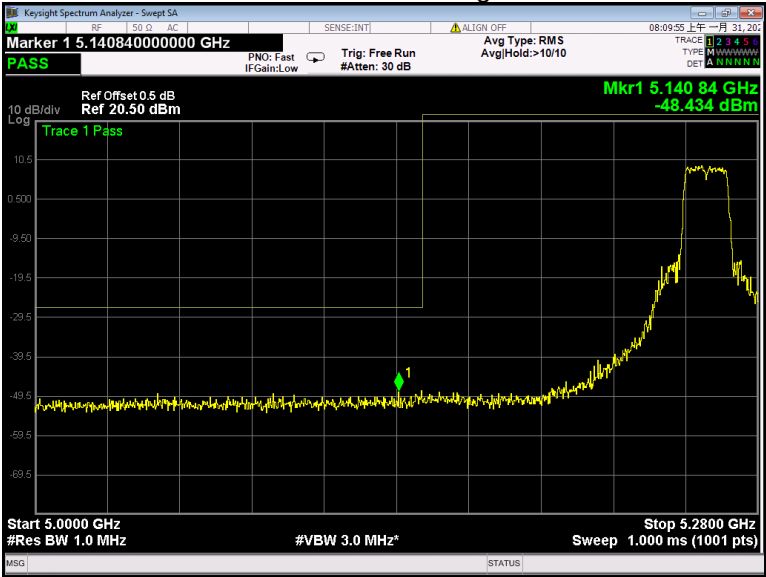
802.11a U-NII-1 Band edge-left side



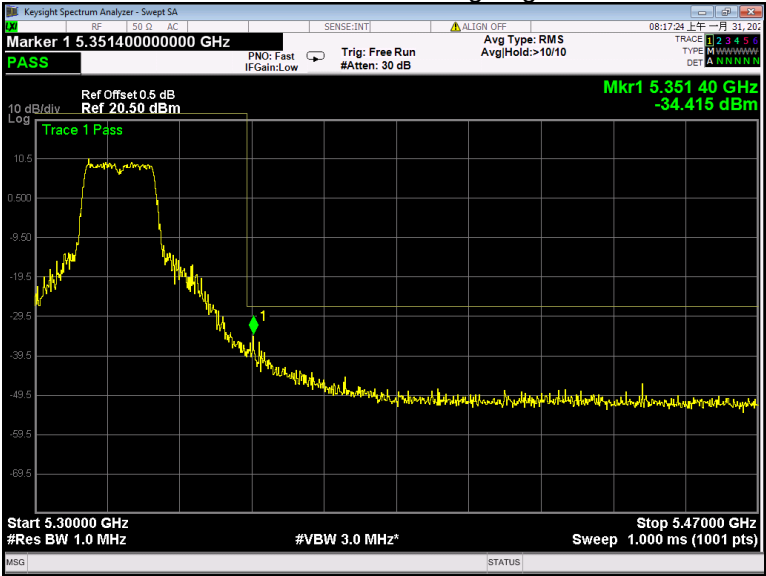
802.11a U-NII-1 Band edge-right side



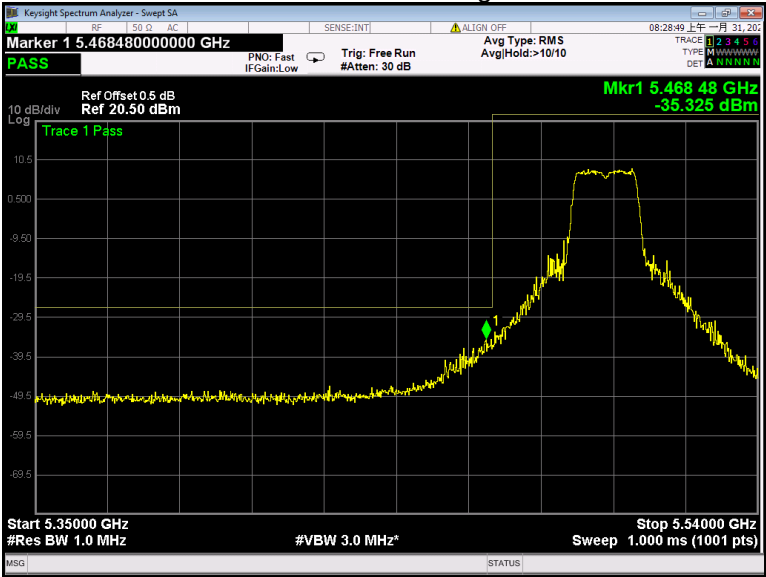
802.11a U-NII-2A Band edge-left side



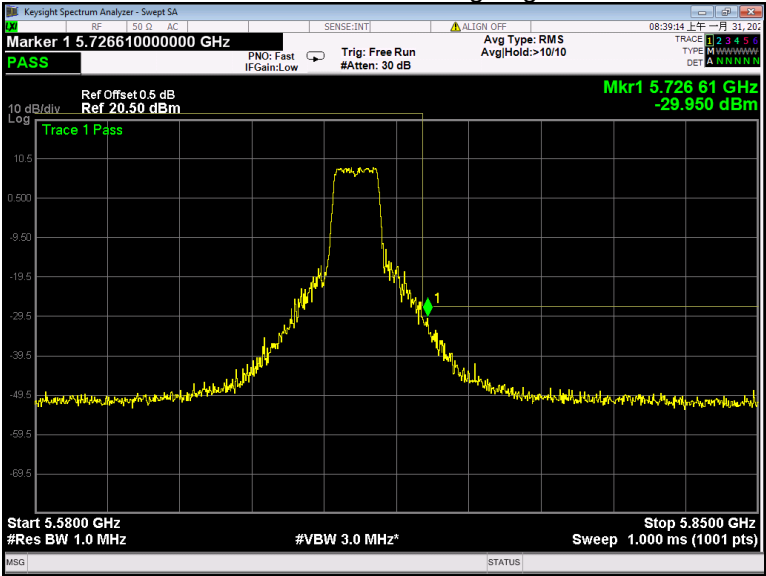
802.11a U-NII-2A Band edge-right side



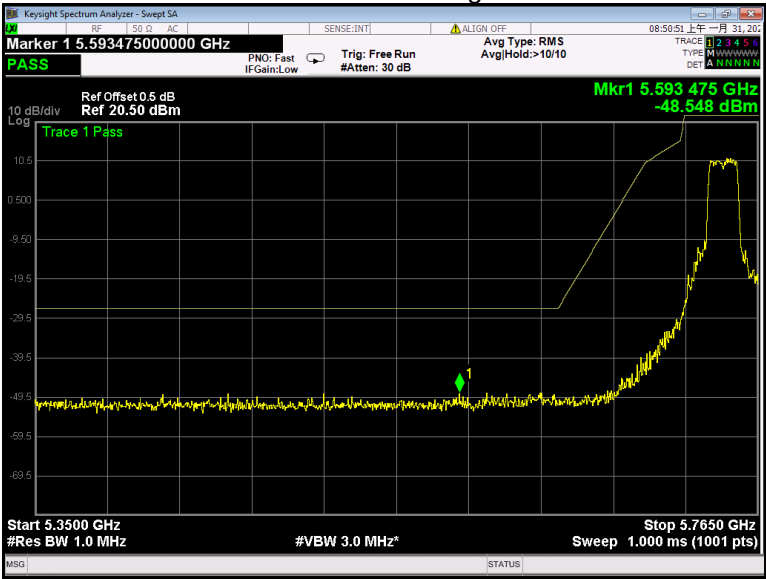
802.11a U-NII-2C Band edge-left side



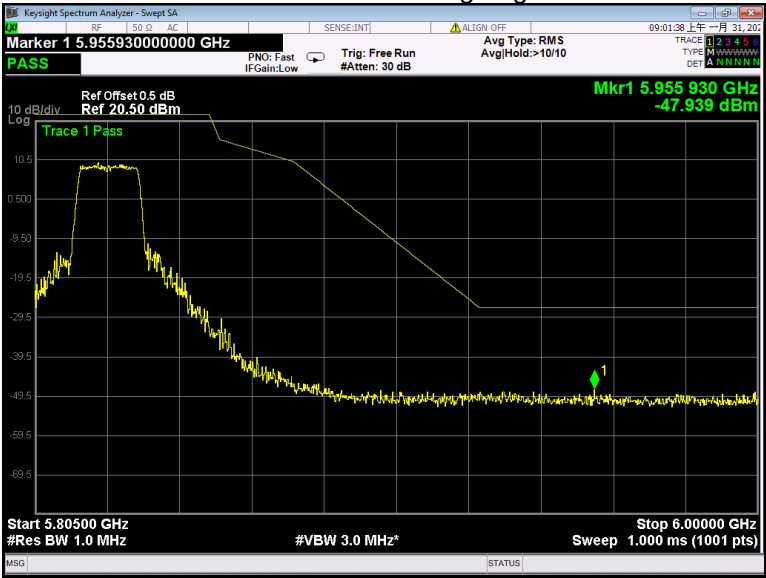
802.11a U-NII-2C Band edge-right side



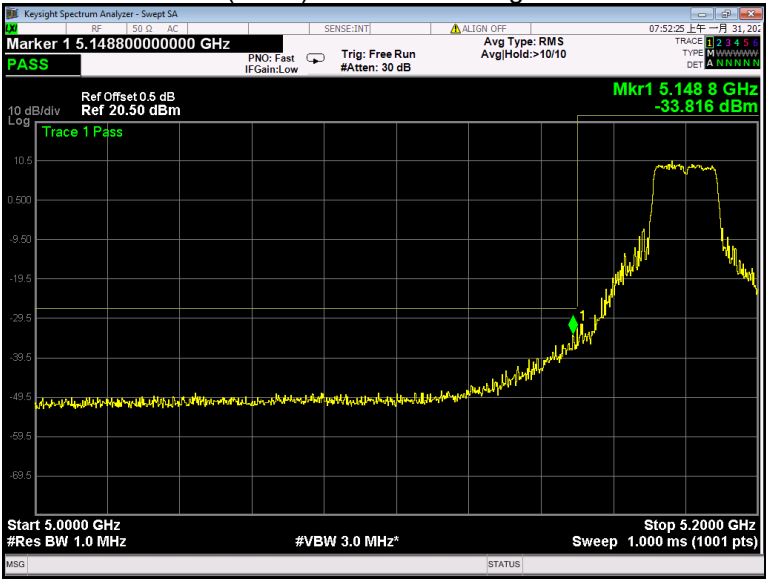
802.11a U-NII-3 Band edge-left side



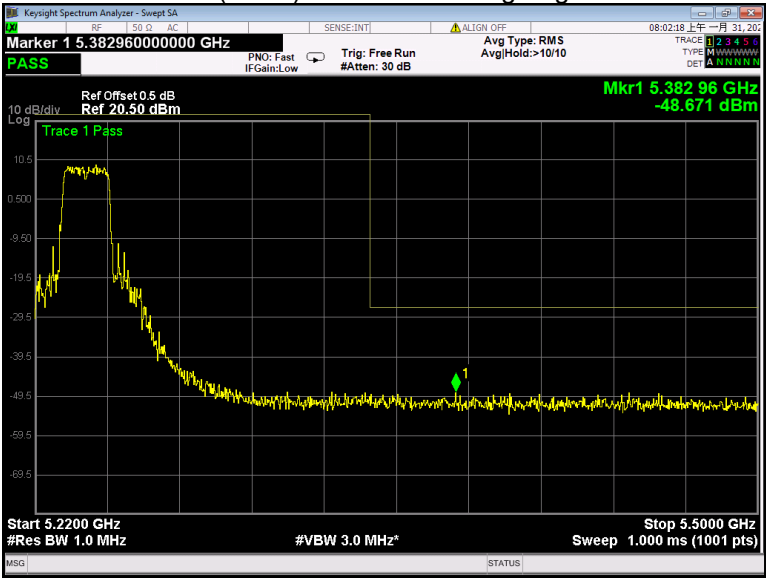
802.11a U-NII-3 Band edge-right side



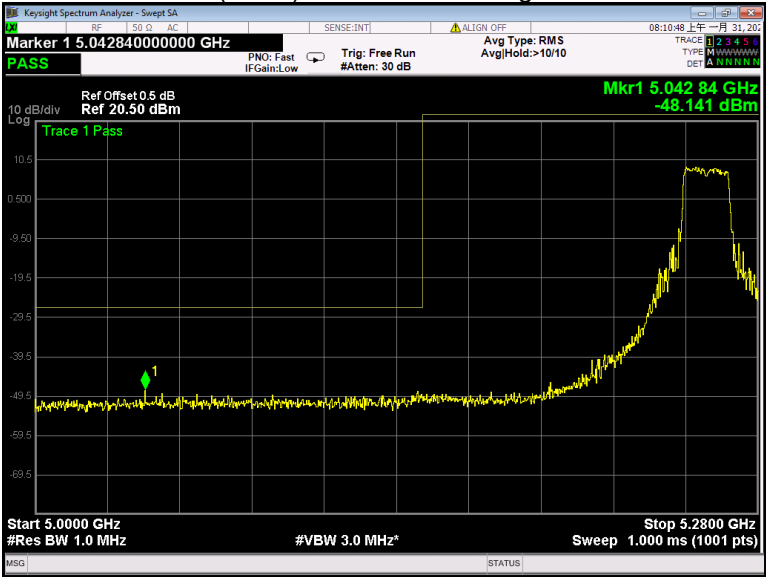
802.11n(HT20) U-NII-1 Band edge-left side



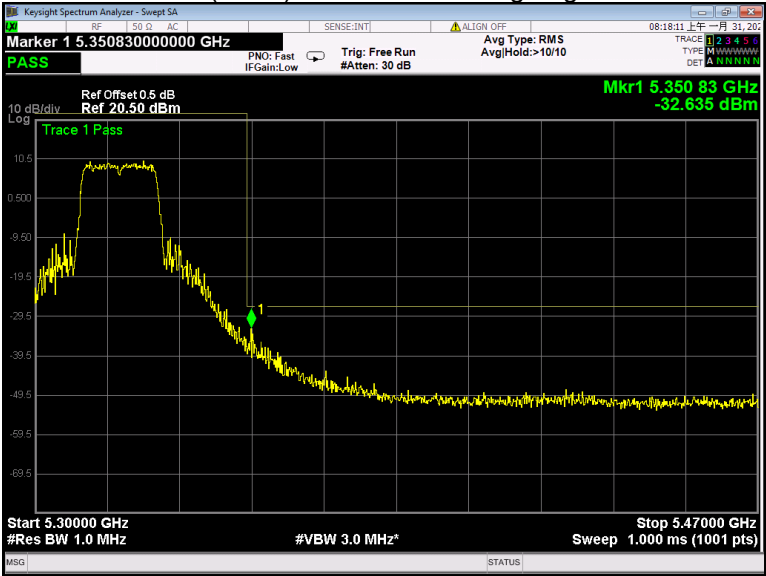
802.11n(HT20) U-NII-1 Band edge-right side



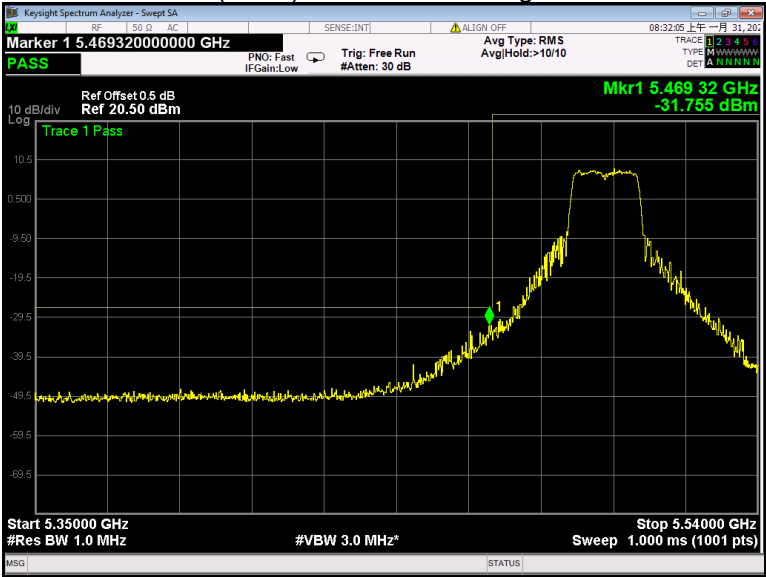
802.11n(HT20) U-NII-2A Band edge-left side



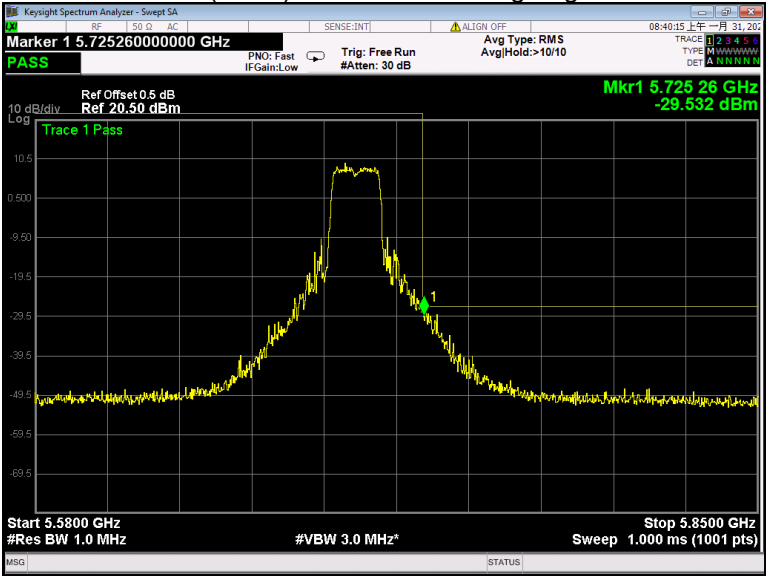
802.11n(HT20) U-NII-2A Band edge-right side



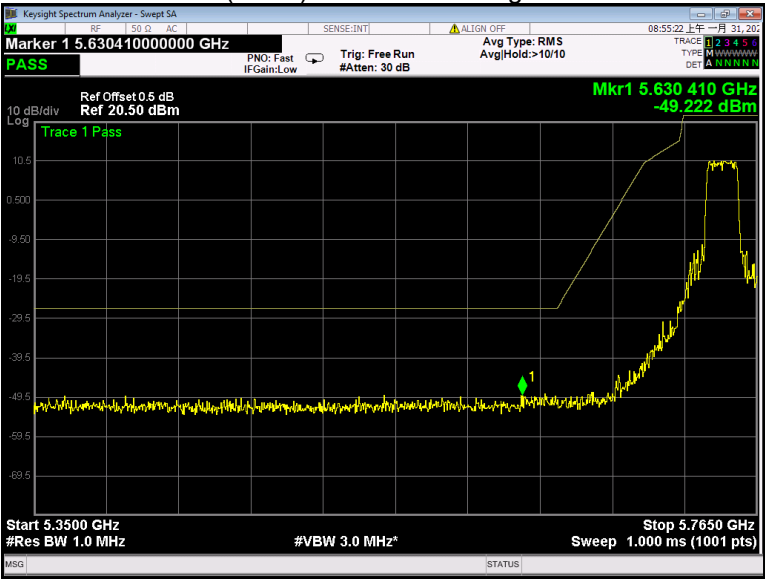
802.11n(HT20) U-NII-2C Band edge-left side



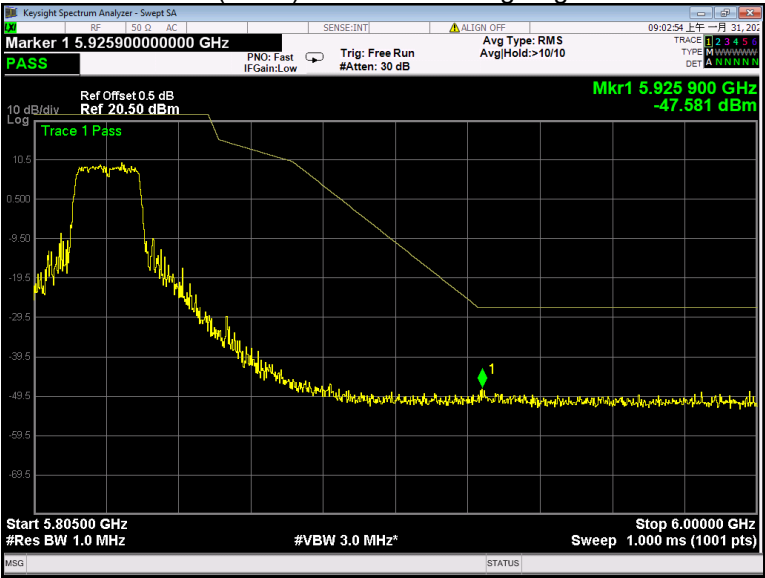
802.11n(HT20) U-NII-2C Band edge-right side



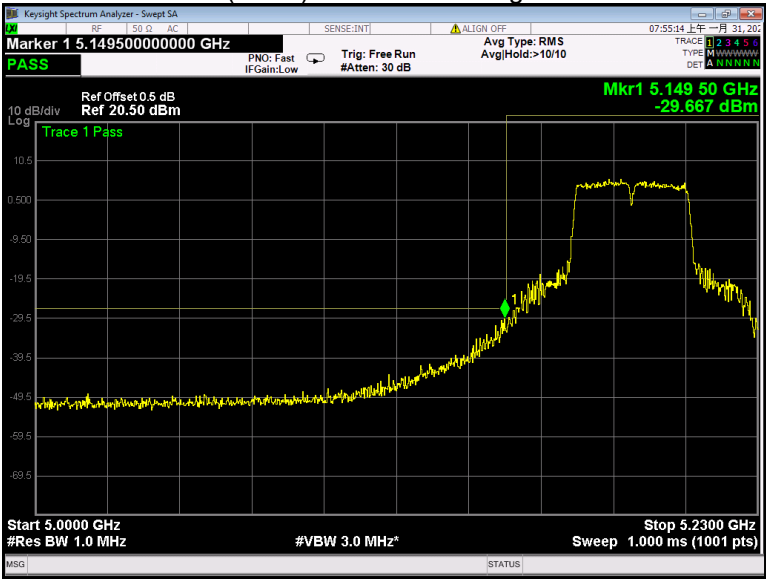
802.11n(HT20) U-NII-3 Band edge-left side



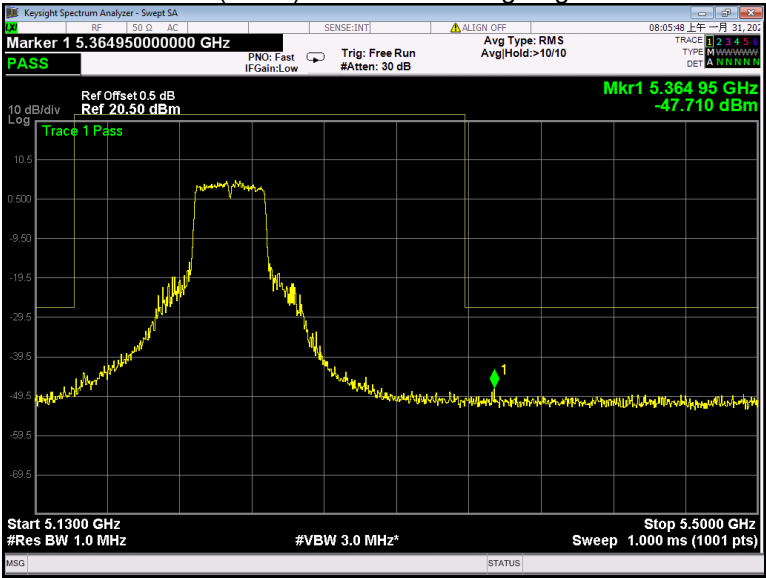
802.11n(HT20) U-NII-3 Band edge-right side



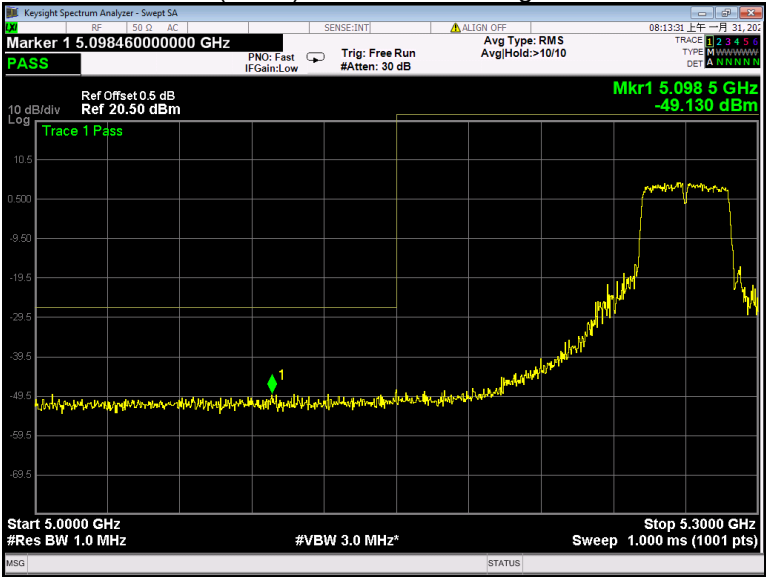
802.11n(HT40) U-NII-1 Band edge-left side



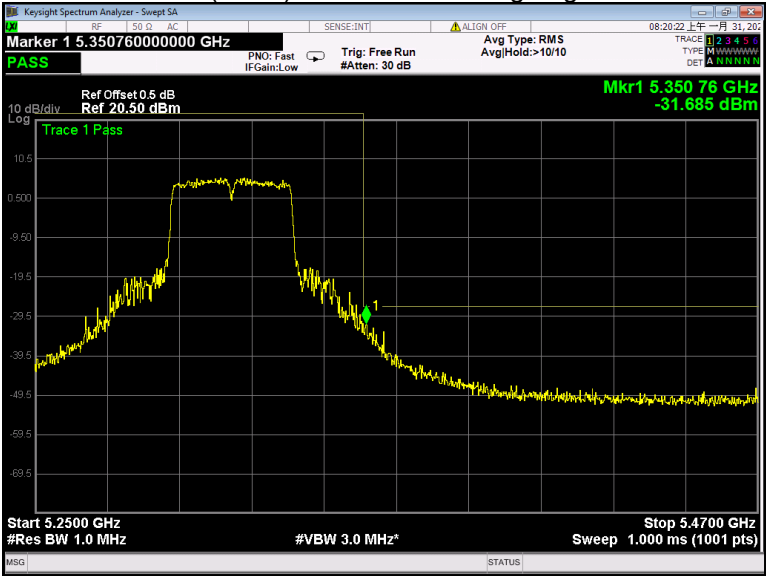
802.11n(HT40) U-NII-1 Band edge-right side



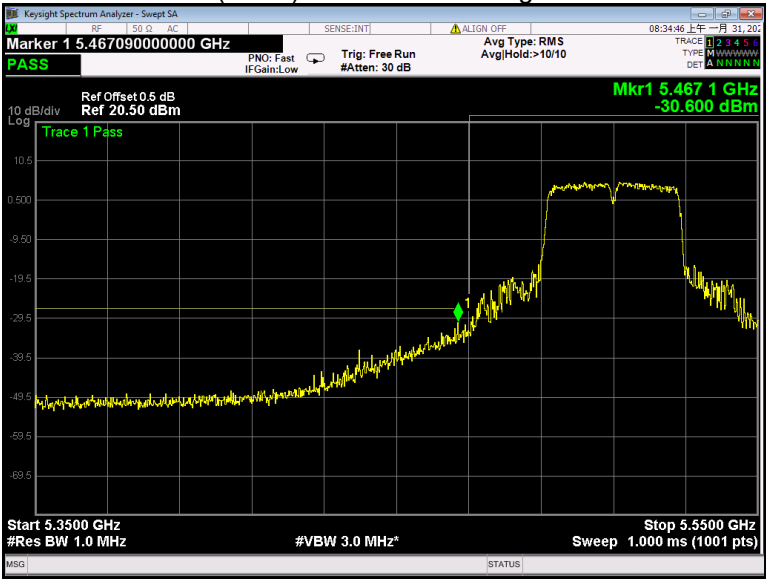
802.11n(HT40) U-NII-2A Band edge-left side



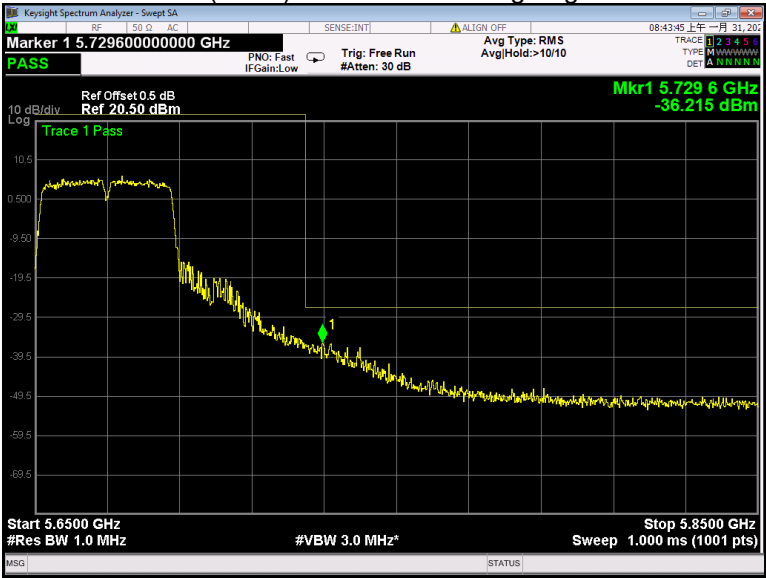
802.11n(HT40) U-NII-2A Band edge-right side



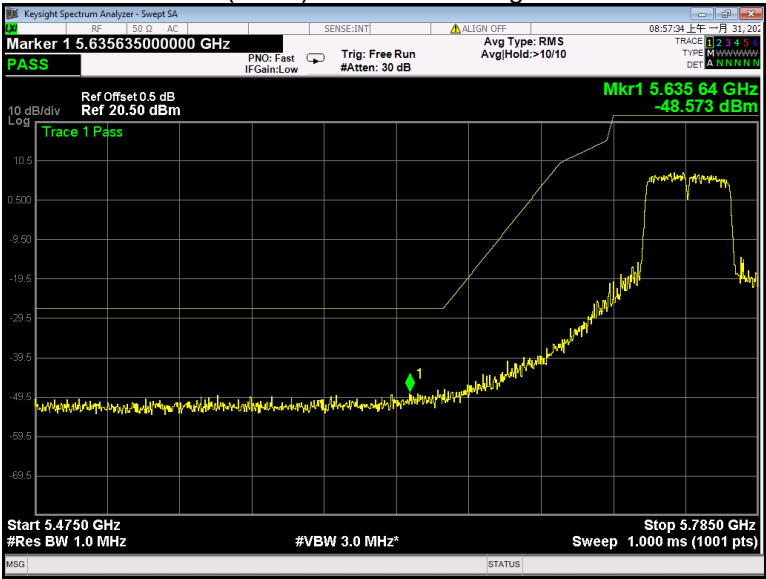
802.11n(HT40) U-NII-2C Band edge-left side



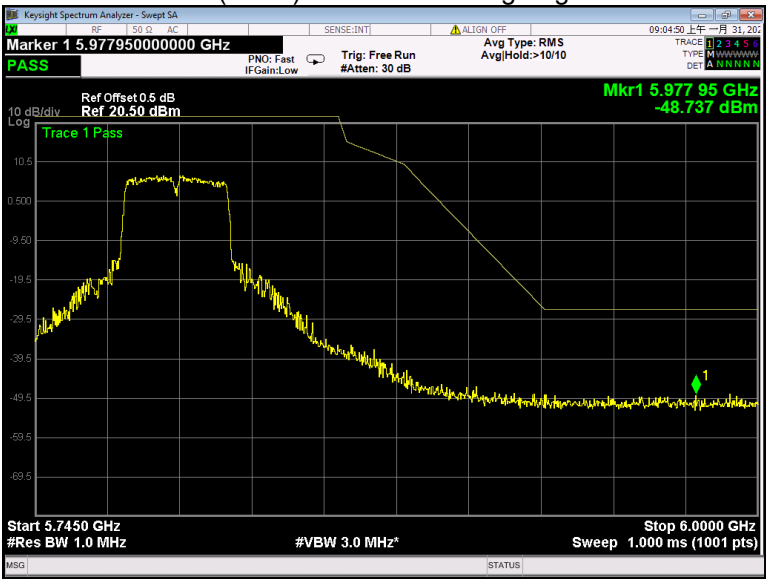
802.11n(HT40) U-NII-2C Band edge-right side



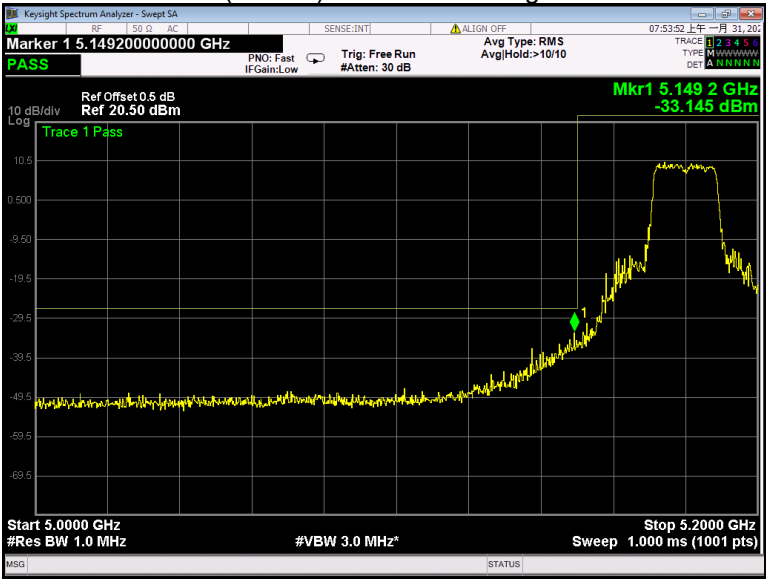
802.11n(HT40) U-NII-3 Band edge-left side



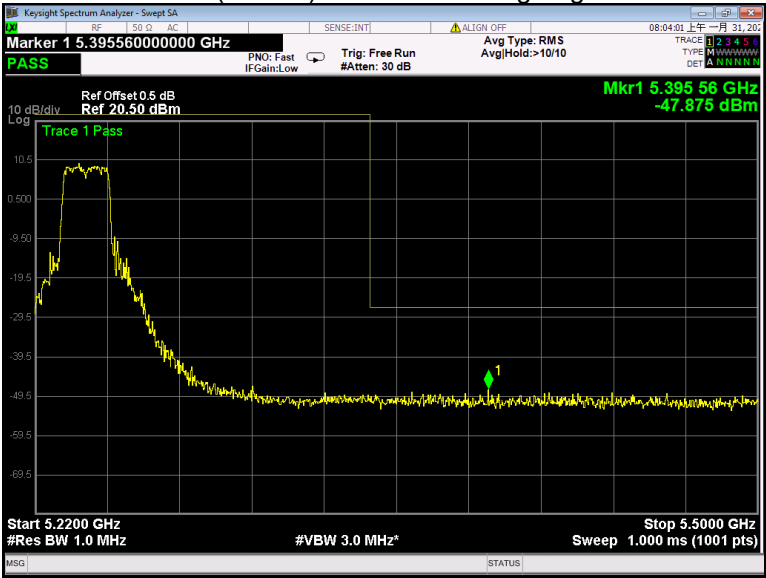
802.11n(HT40) U-NII-3 Band edge-right side



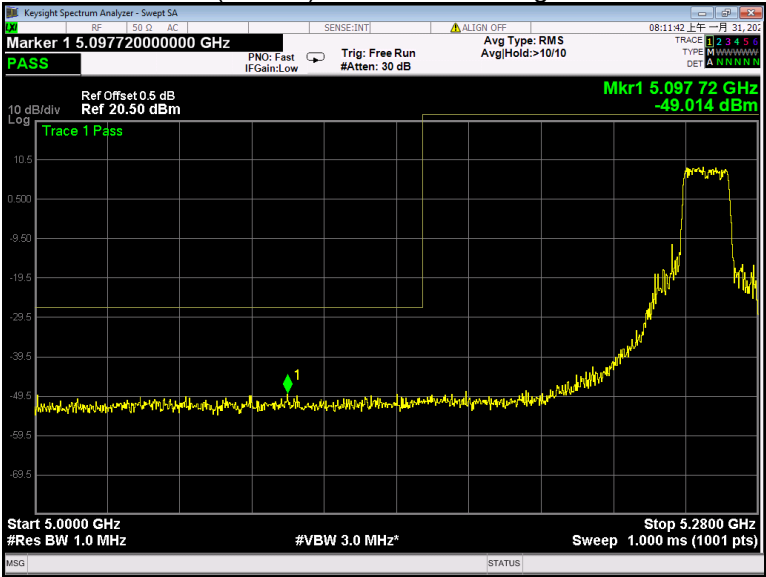
802.11ac(VHT20) U-NII-1 Band edge-left side



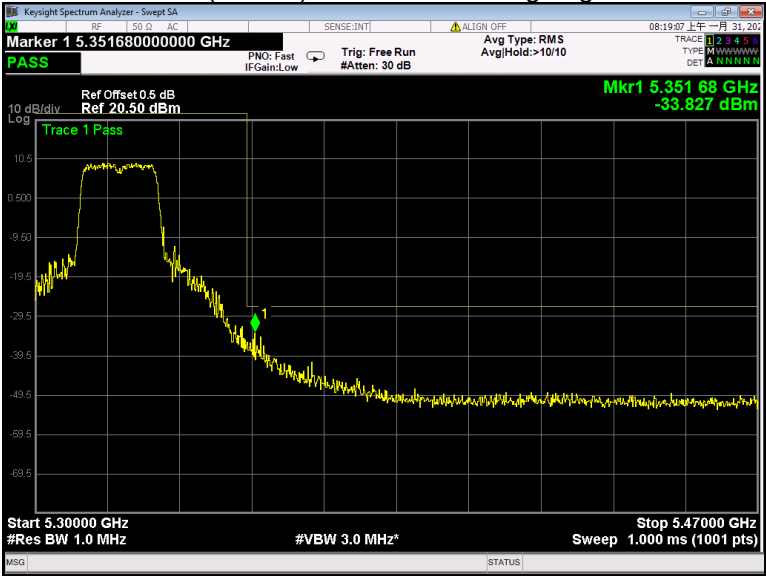
802.11ac(VHT20) U-NII-1 Band edge-right side



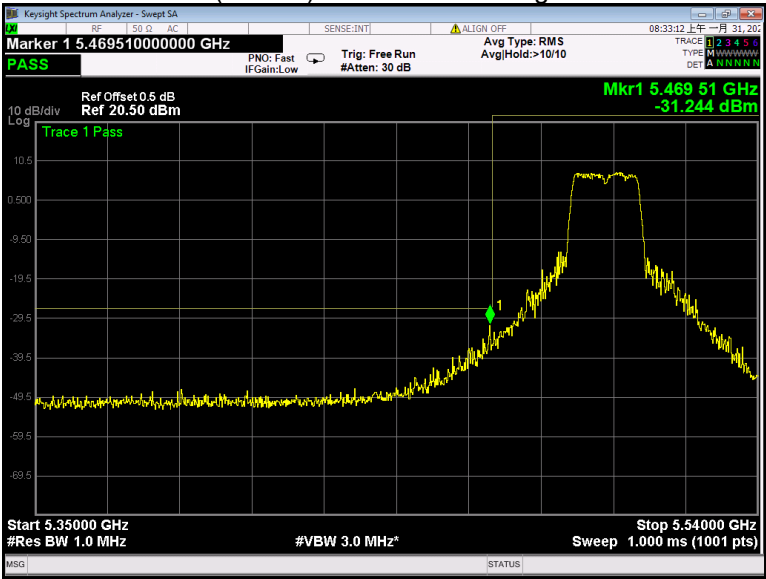
802.11ac(VHT20) U-NII-2A Band edge-left side



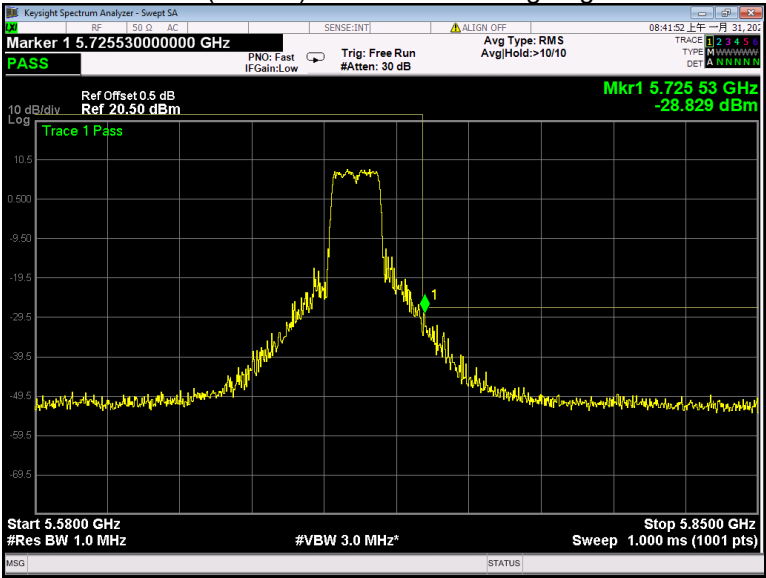
802.11ac(VHT20) U-NII-2A Band edge-right side



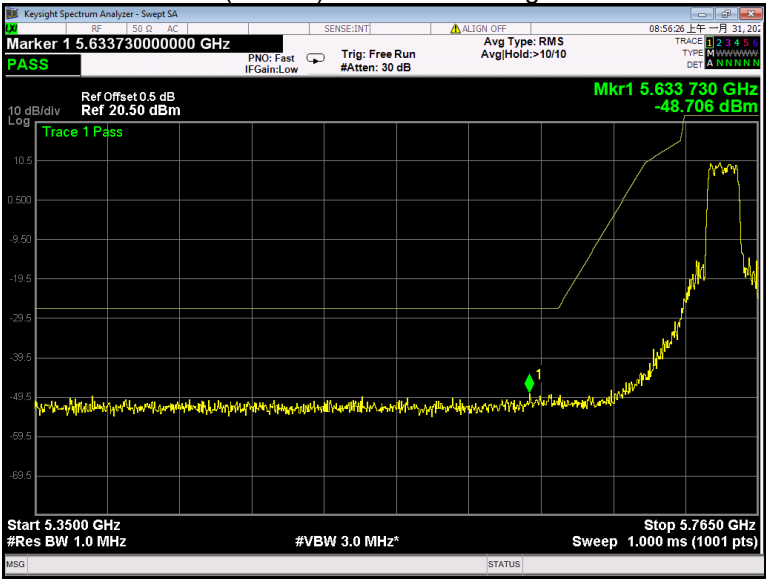
802.11ac(VHT20) U-NII-2C Band edge-left side



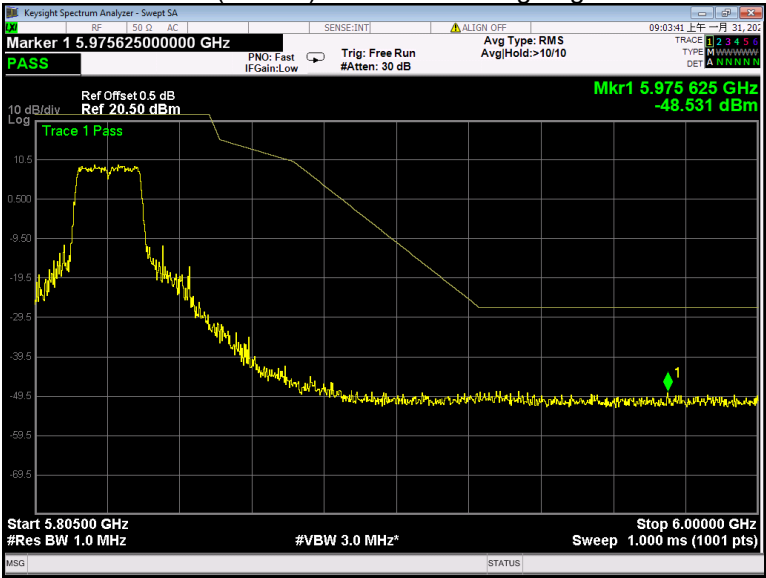
802.11ac(VHT20) U-NII-2C Band edge-right side



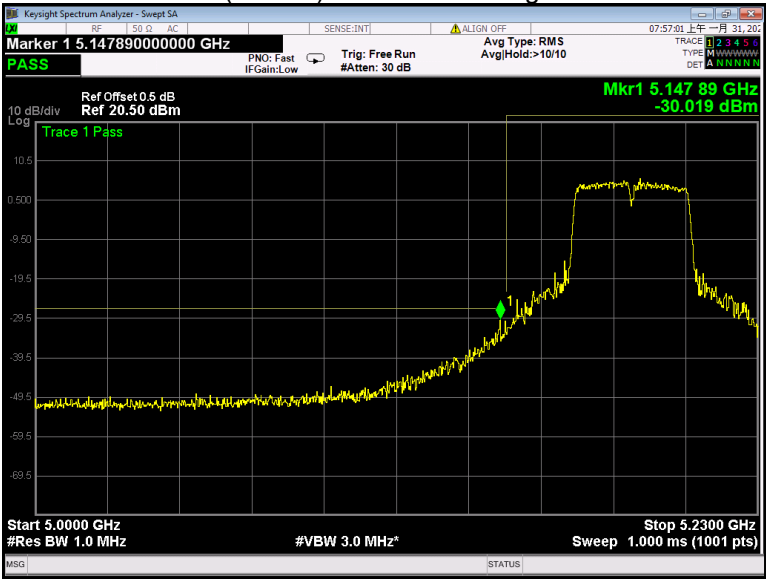
802.11ac(VHT20) U-NII-3 Band edge-left side



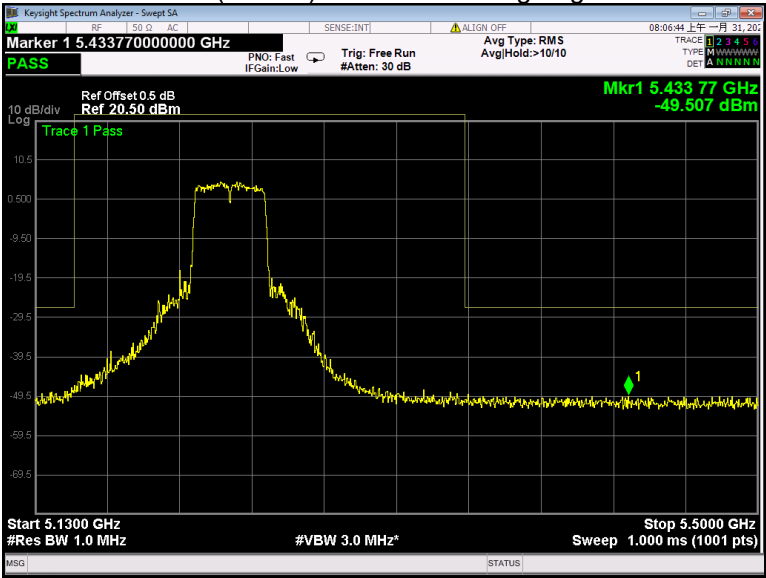
802.11ac(VHT20) U-NII-3 Band edge-right side



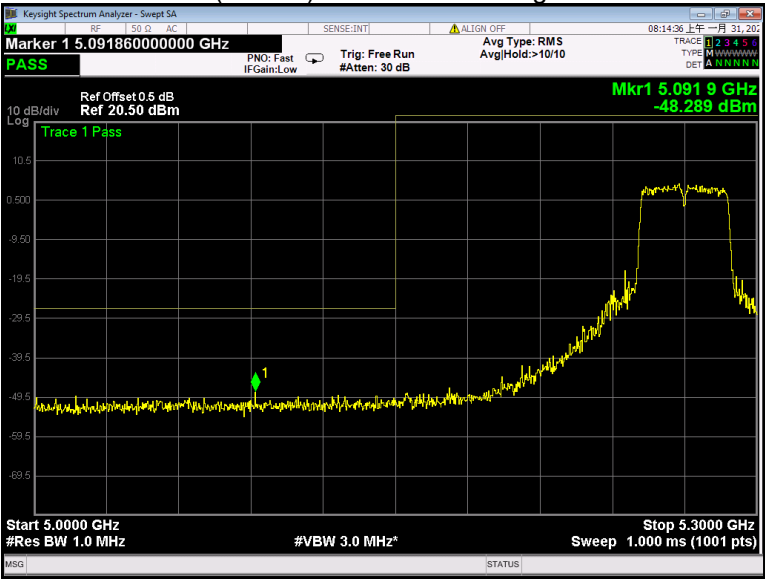
802.11ac(VHT40) U-NII-1 Band edge-left side



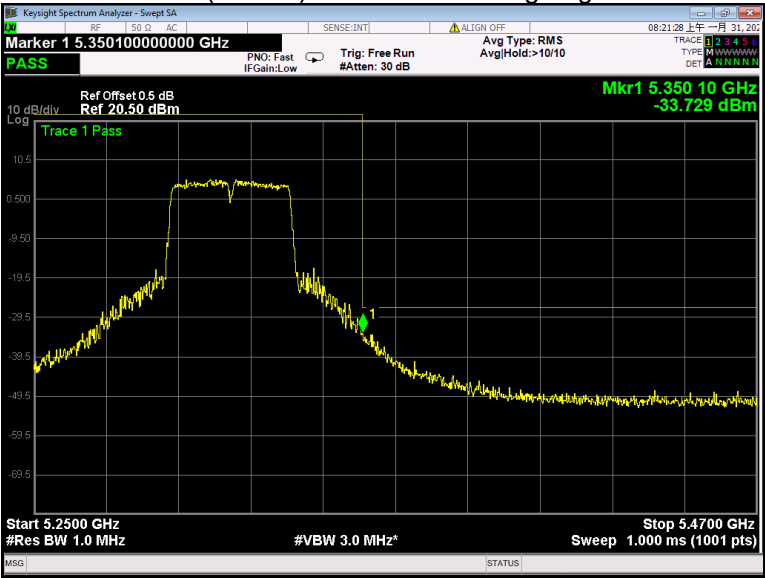
802.11ac(VHT40) U-NII-1 Band edge-right side



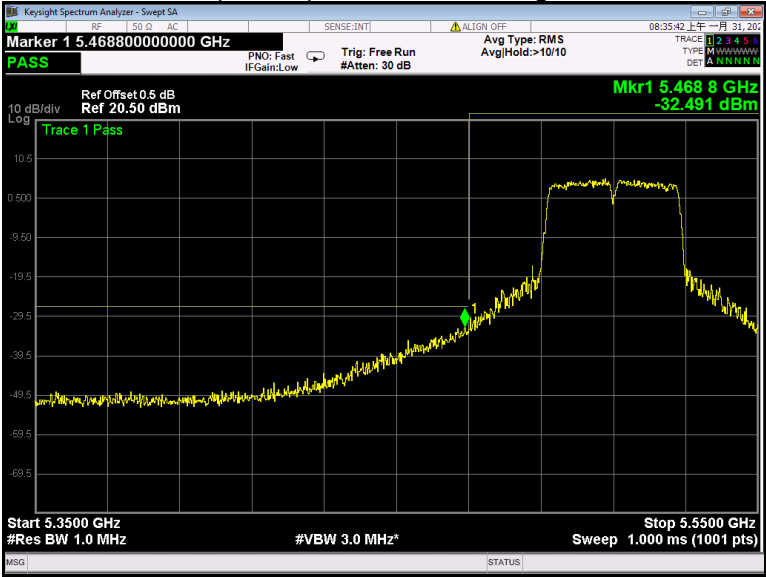
802.11ac(VHT40) U-NII-2A Band edge-left side



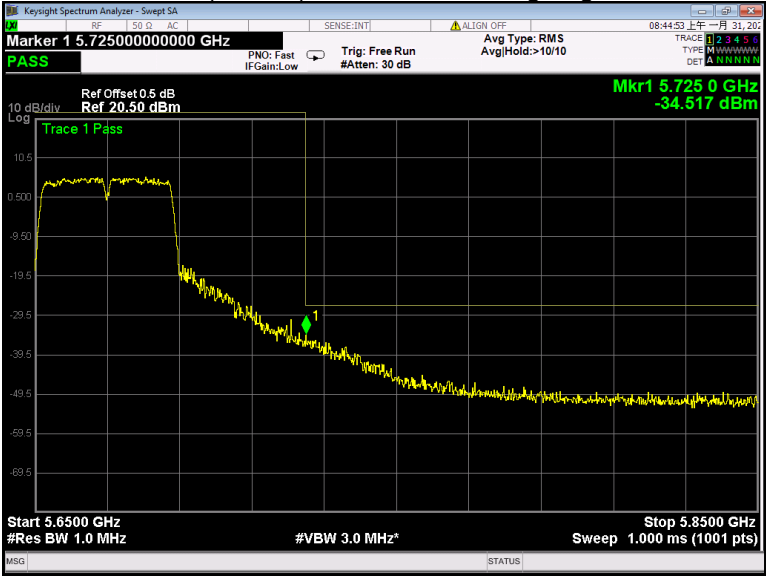
802.11ac(VHT40) U-NII-2A Band edge-right side



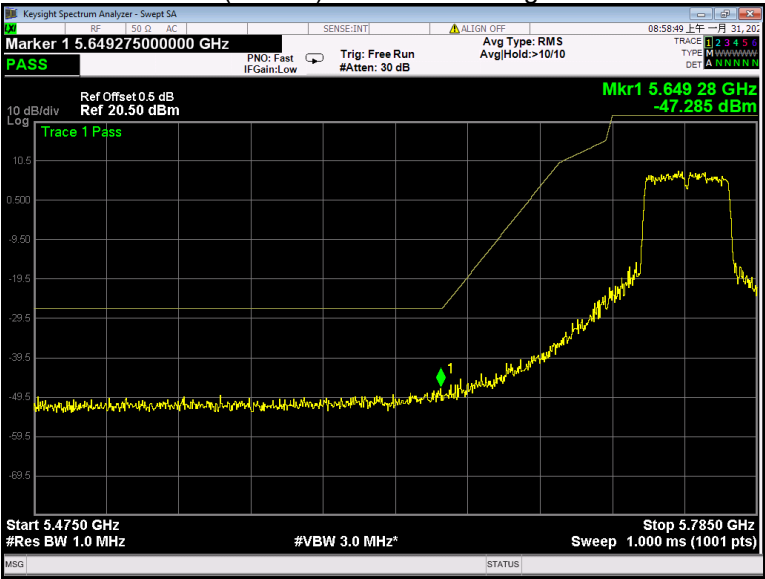
802.11ac(VHT40) U-NII-2C Band edge-left side



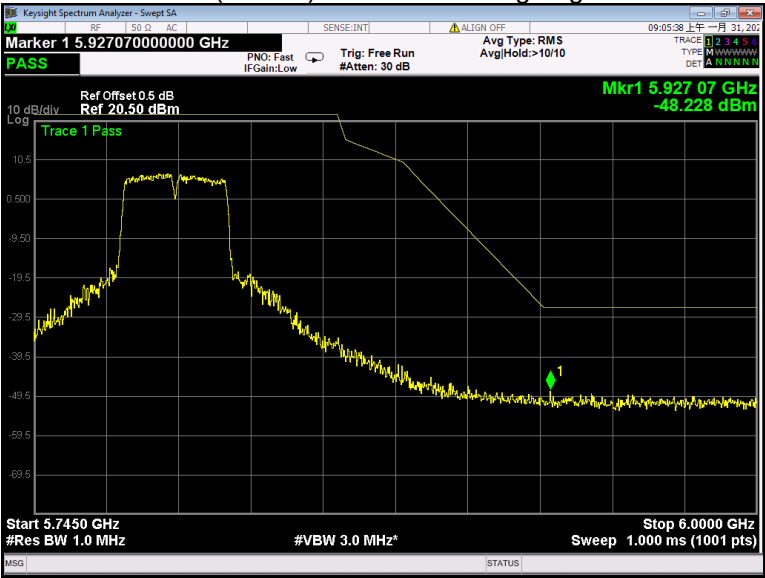
802.11ac(VHT40) U-NII-2C Band edge-right side



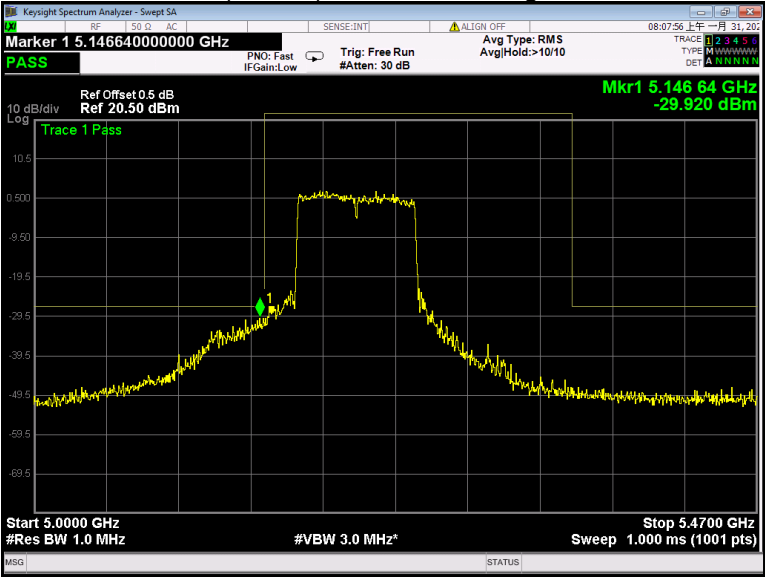
802.11ac(VHT40) U-NII-3 Band edge-left side



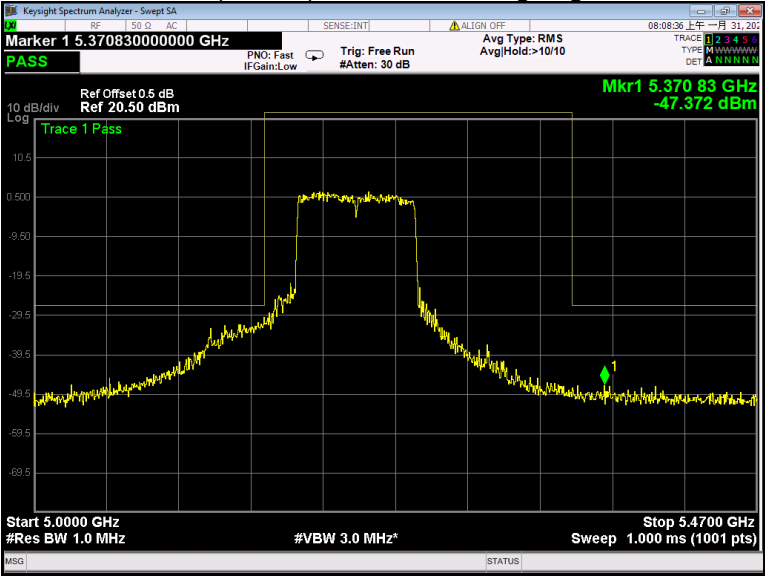
802.11ac(VHT40) U-NII-3 Band edge-right side



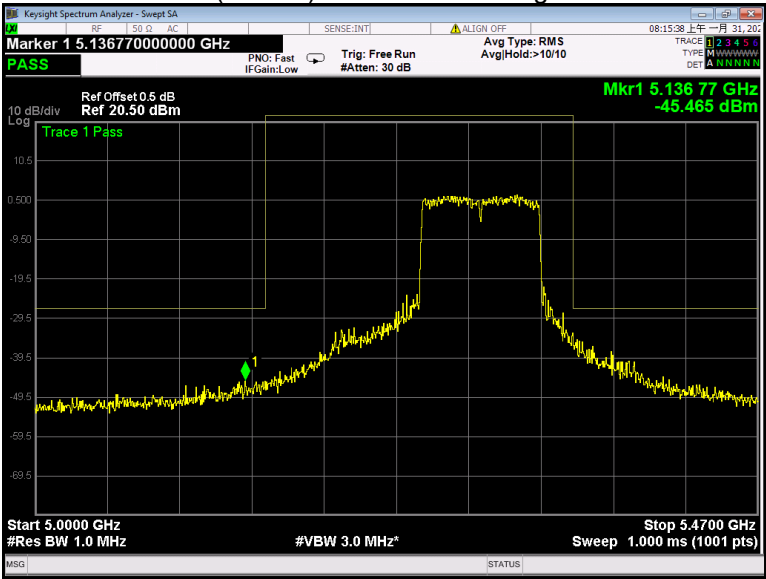
802.11ac(VHT80) U-NII-1 Band edge-left side



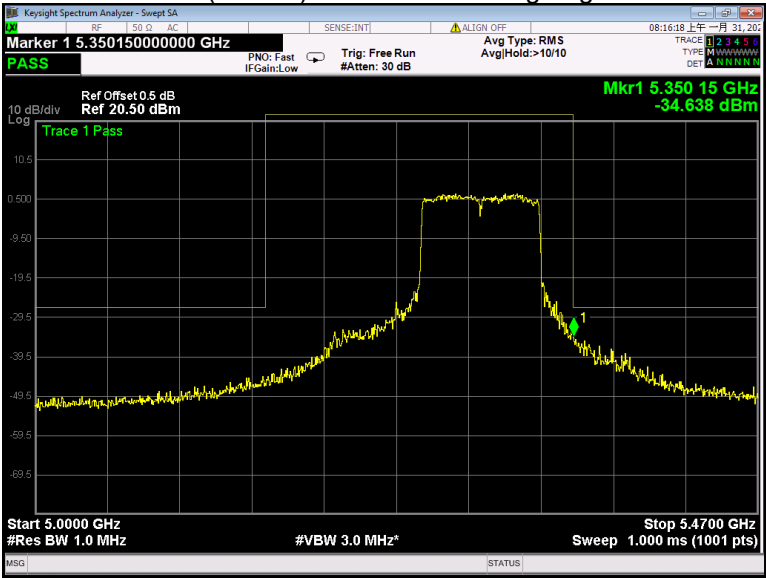
802.11ac(VHT80) U-NII-1 Band edge-right side



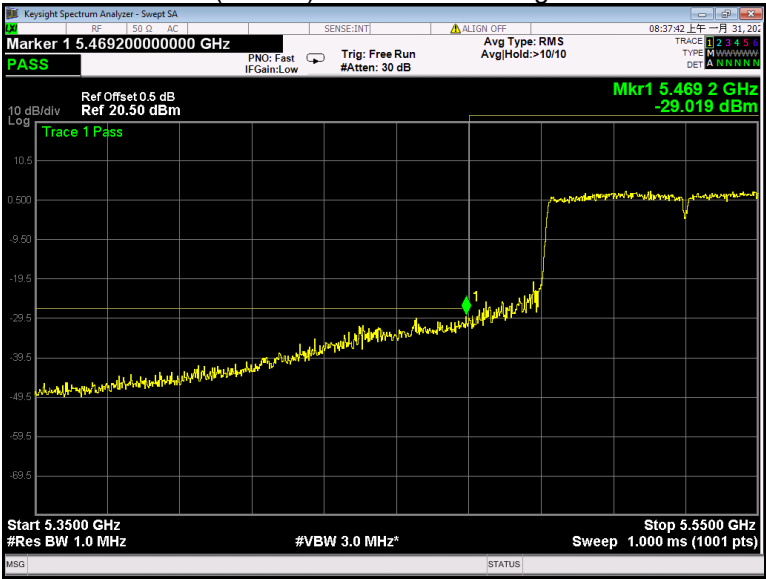
802.11ac(VHT80) U-NII-2A Band edge-left side



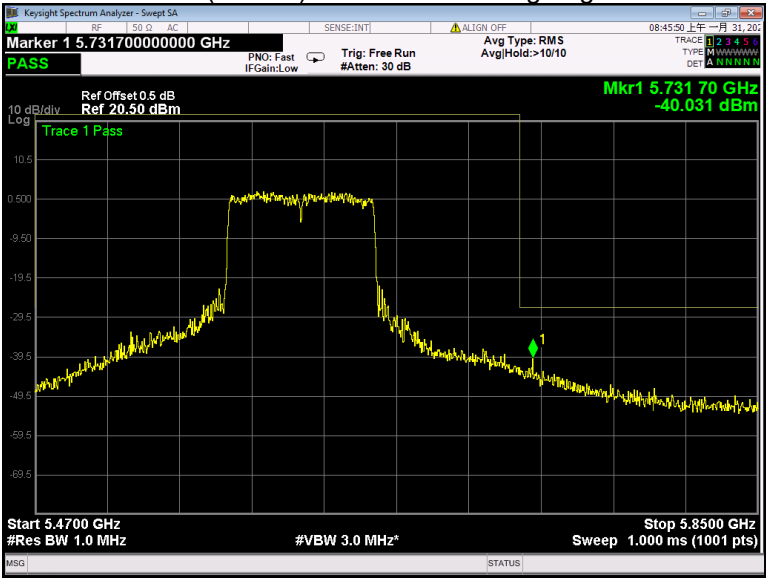
802.11ac(VHT80) U-NII-2A Band edge-right side



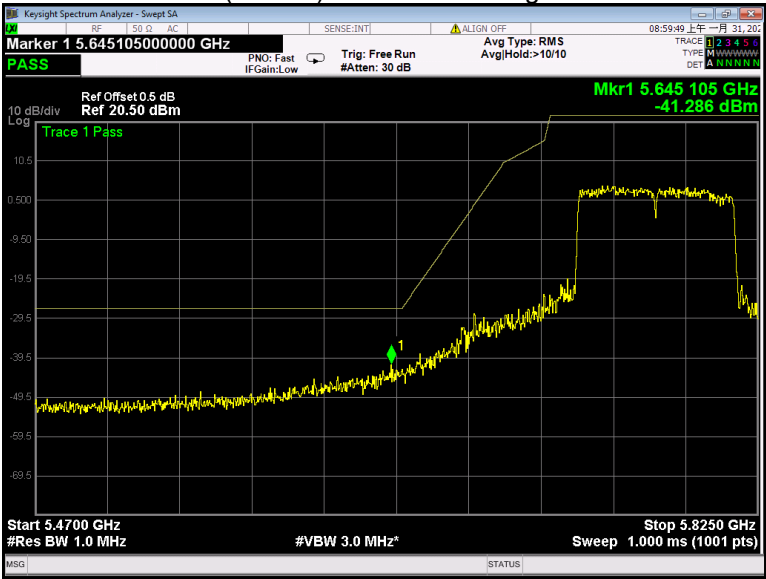
802.11ac(VHT80) U-NII-2C Band edge-left side



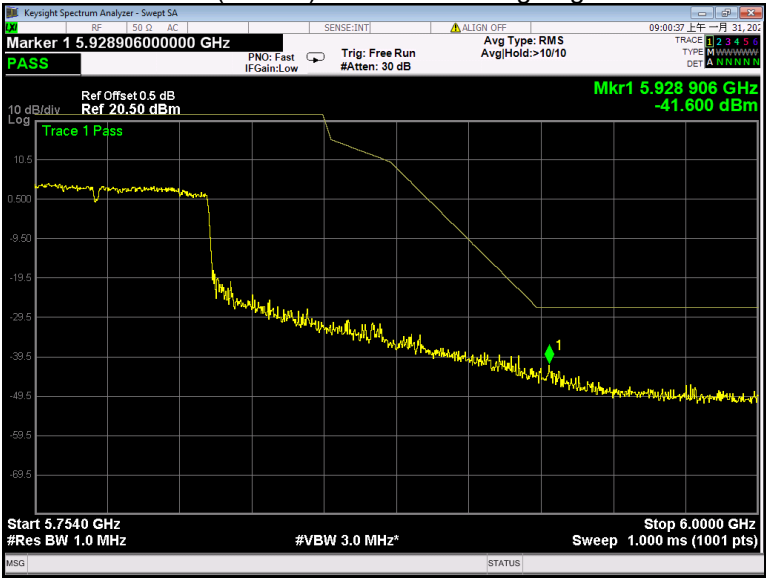
802.11ac(VHT80) U-NII-2C Band edge-right side



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

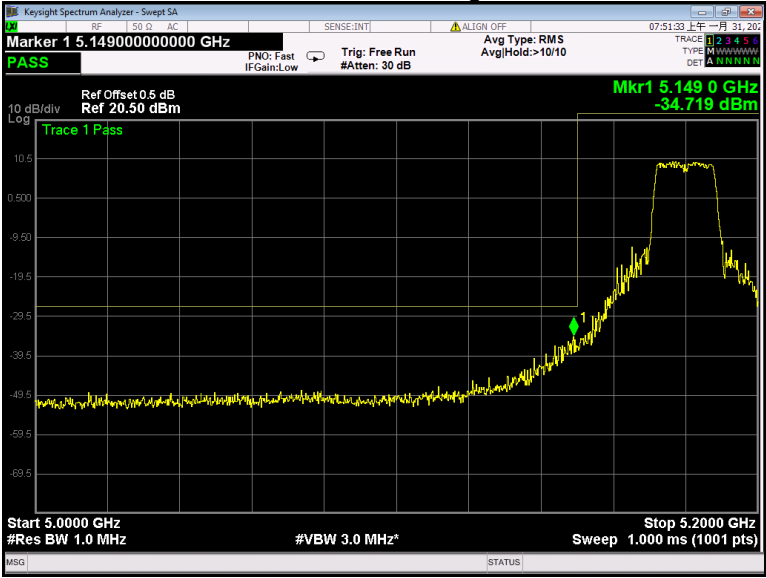


802.11ac(VHT80) U-NII-3 Band edge-right side

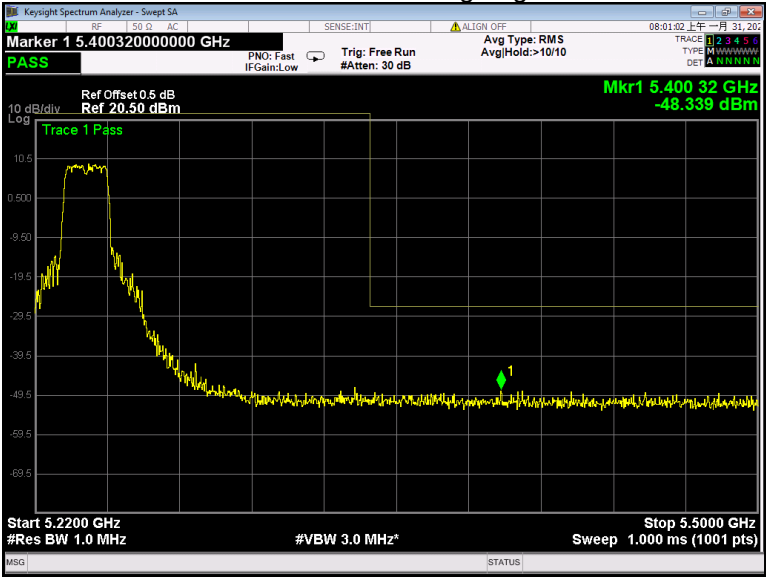


ANT 2

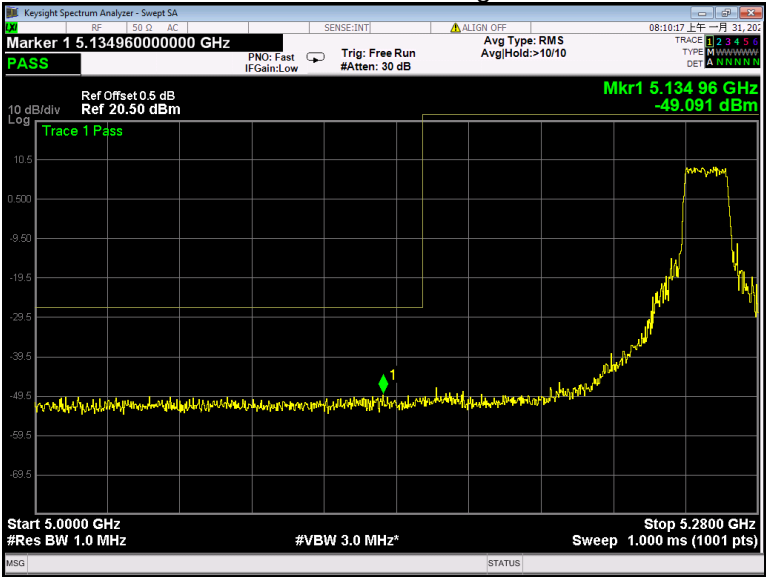
802.11a U-NII-1 Band edge-left side



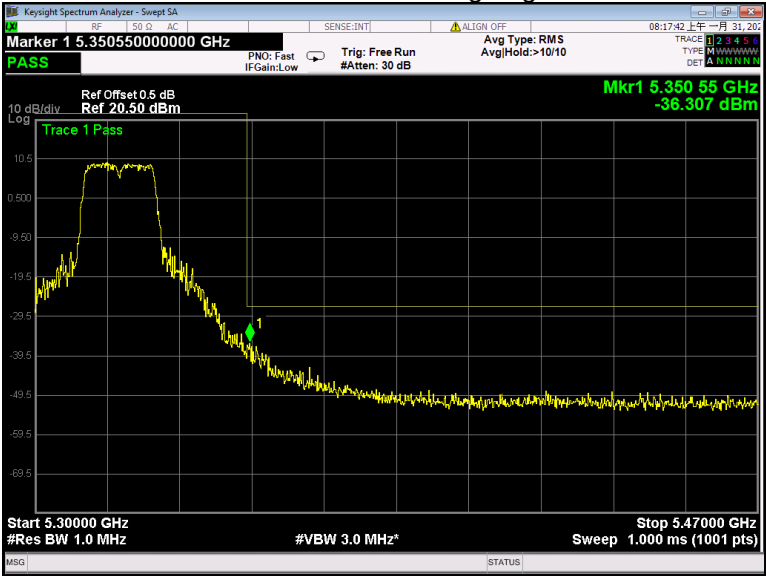
802.11a U-NII-1 Band edge-right side



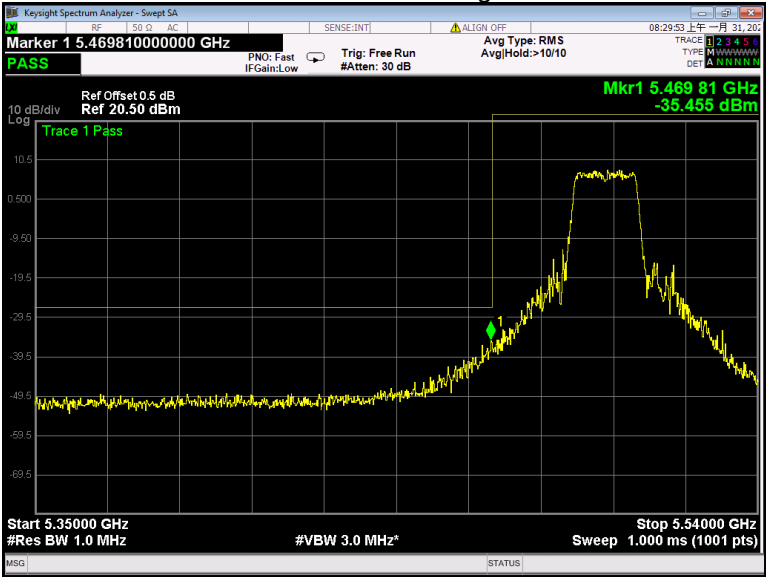
802.11a U-NII-2A Band edge-left side



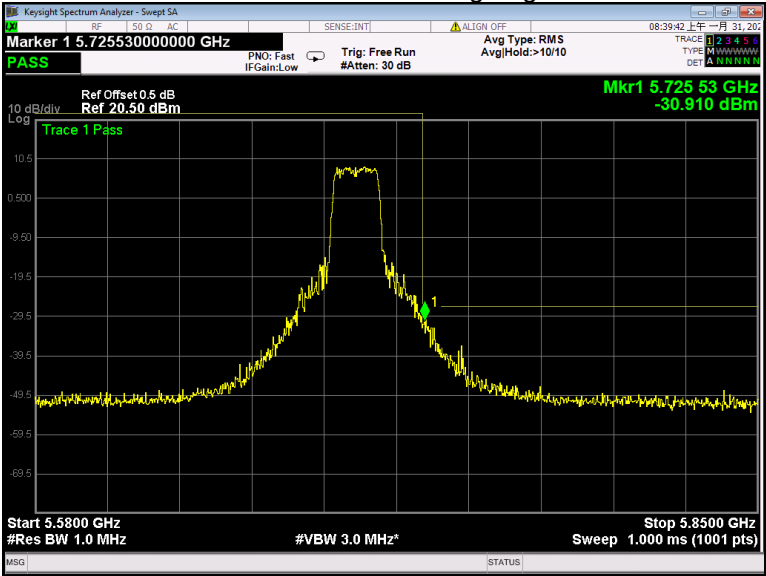
802.11a U-NII-2A Band edge-right side



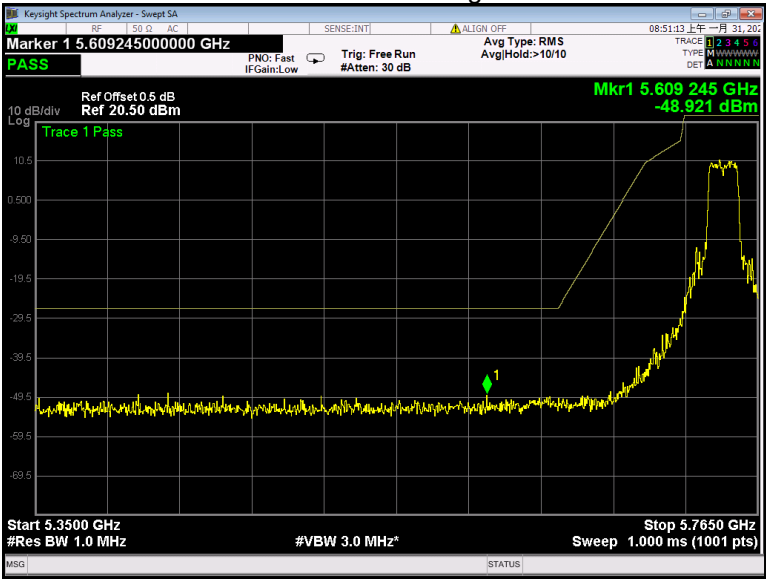
802.11a U-NII-2C Band edge-left side



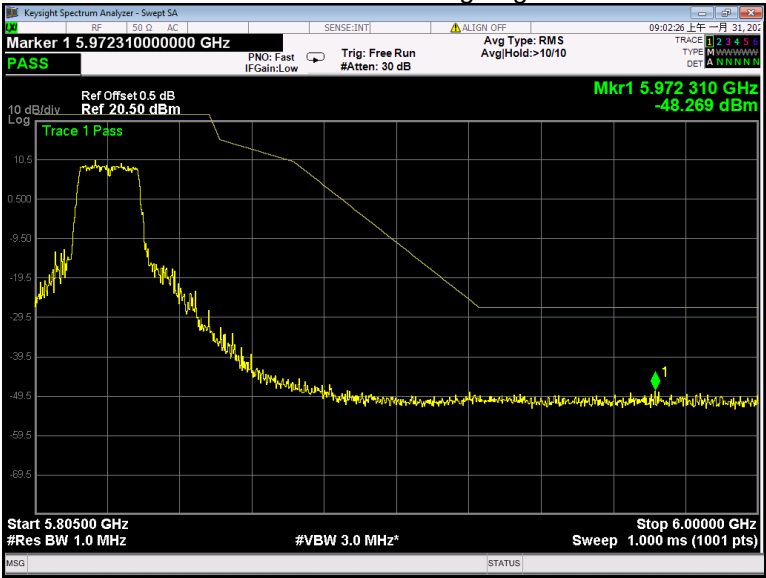
802.11a U-NII-2C Band edge-right side



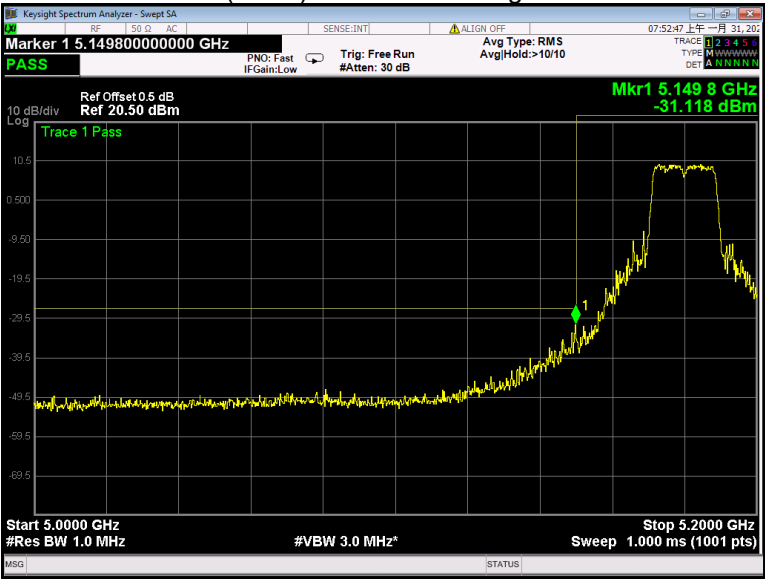
802.11a U-NII-3 Band edge-left side



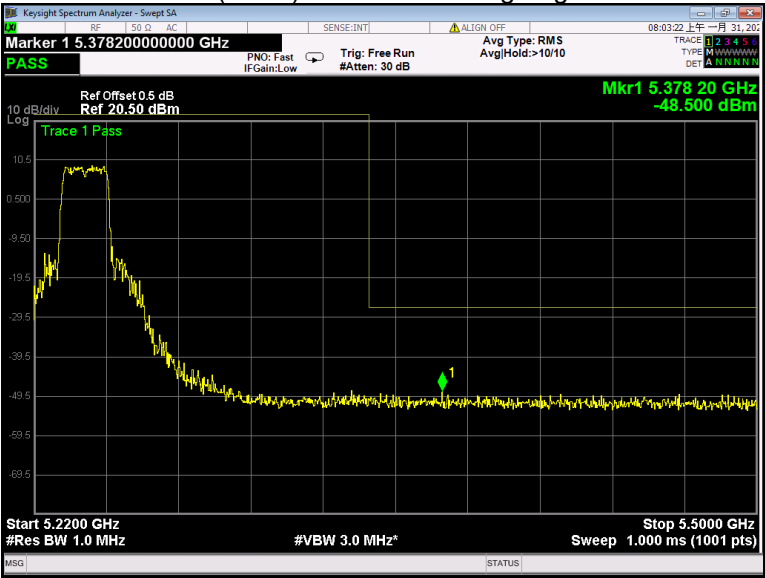
802.11a U-NII-3 Band edge-right side



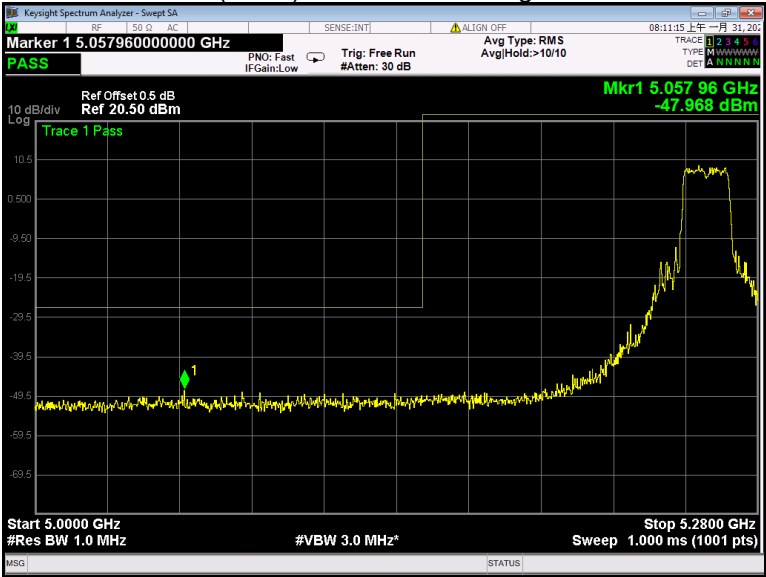
802.11n(HT20) U-NII-1 Band edge-left side



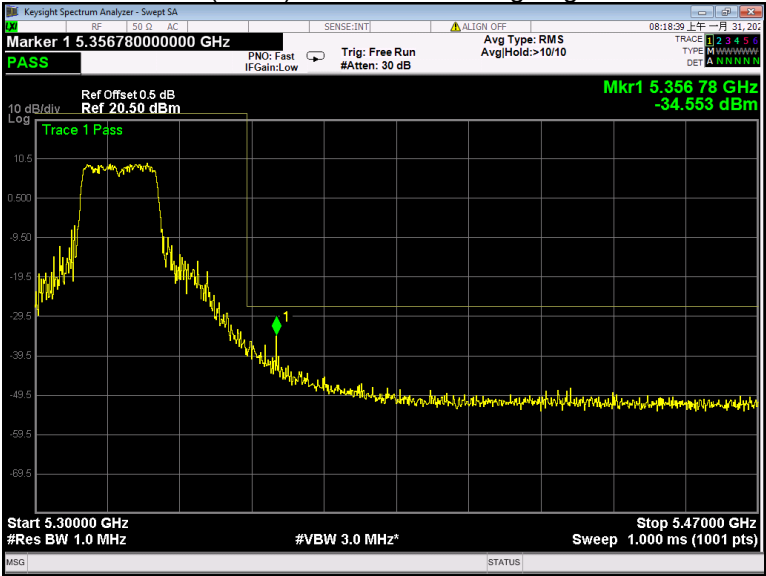
802.11n(HT20) U-NII-1 Band edge-right side



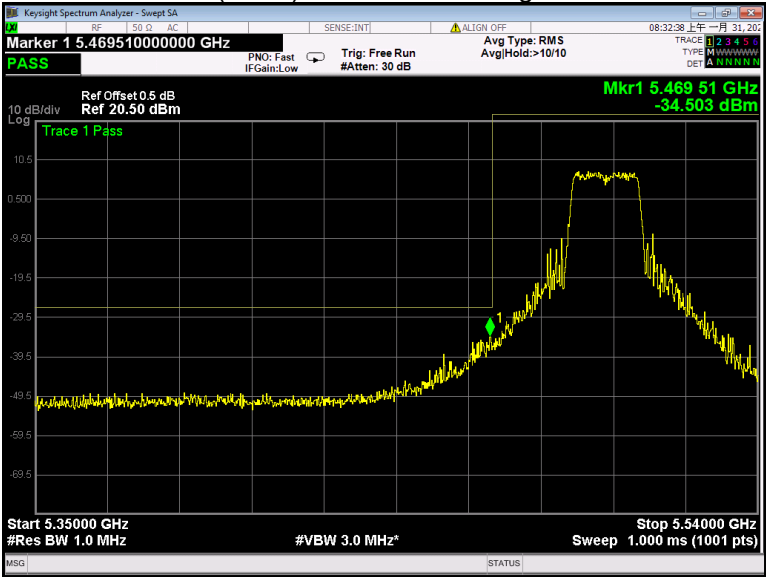
802.11n(HT20) U-NII-2A Band edge-left side



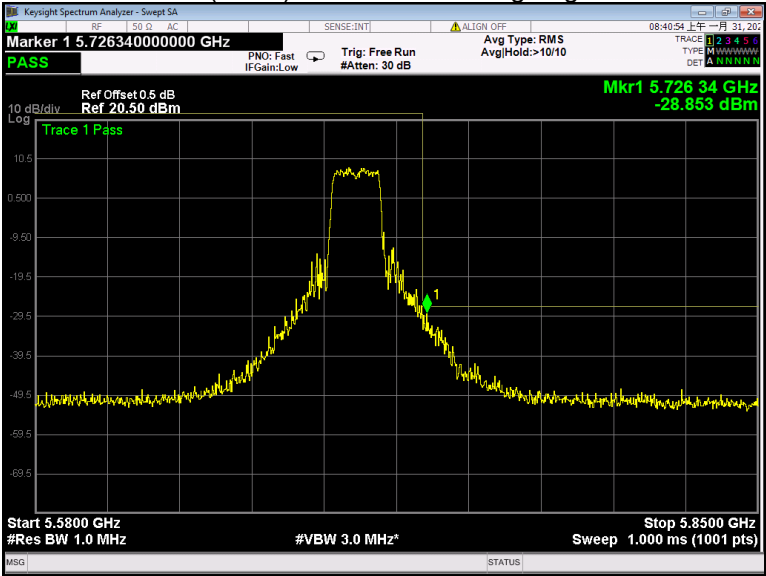
802.11n(HT20) U-NII-2A Band edge-right side



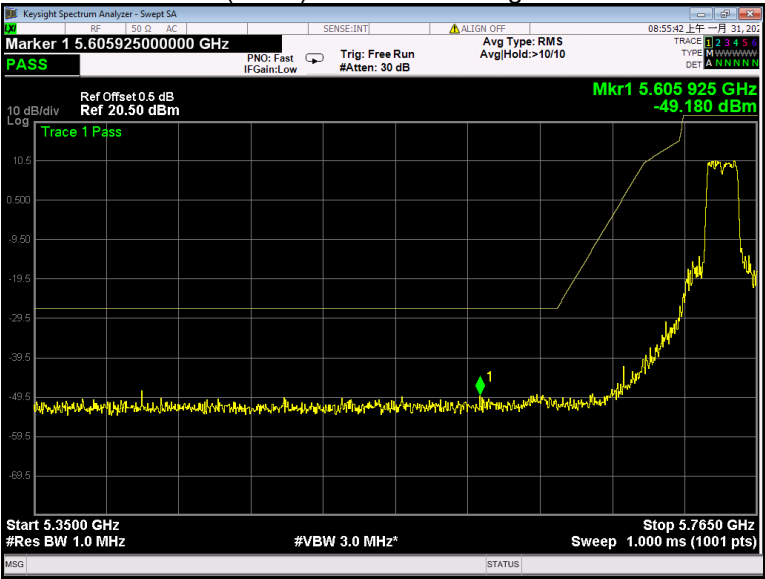
802.11n(HT20) U-NII-2C Band edge-left side



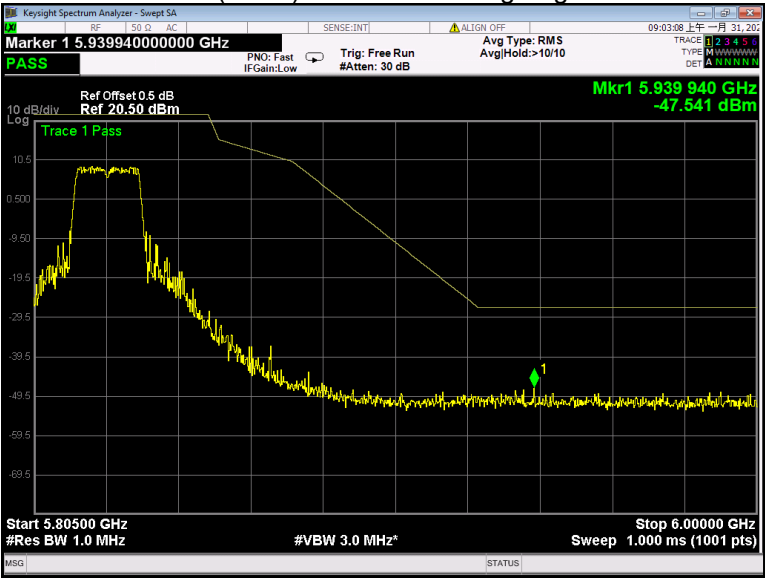
802.11n(HT20) U-NII-2C Band edge-right side



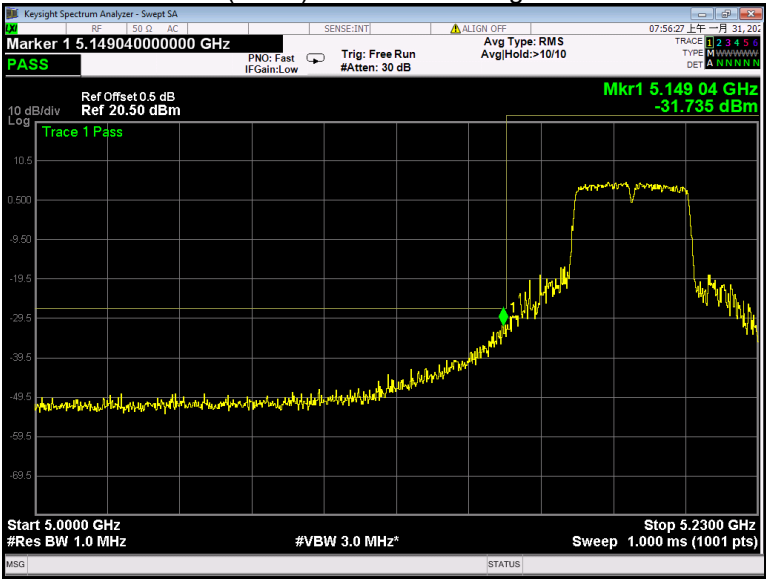
802.11n(HT20) U-NII-3 Band edge-left side



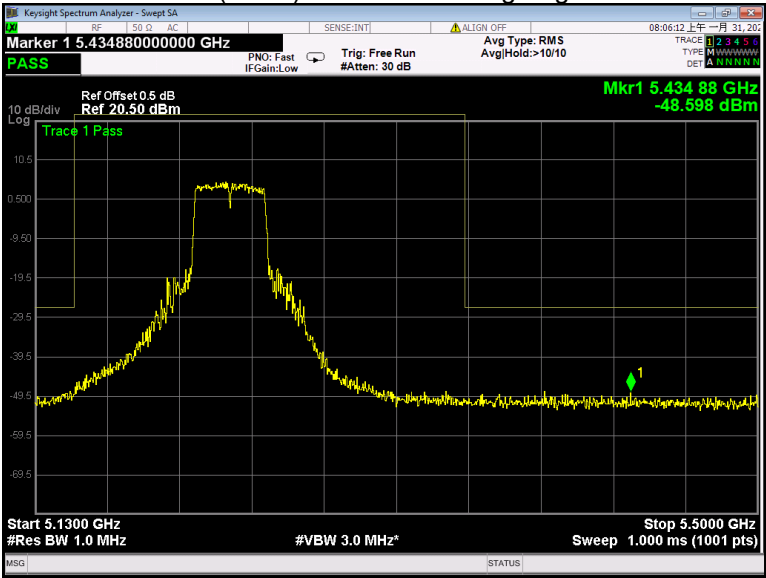
802.11n(HT20) U-NII-3 Band edge-right side



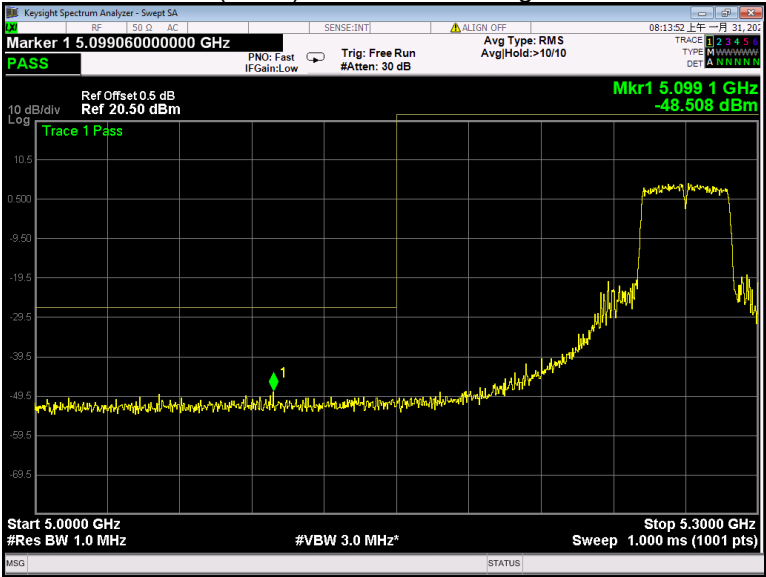
802.11n(HT40) U-NII-1 Band edge-left side



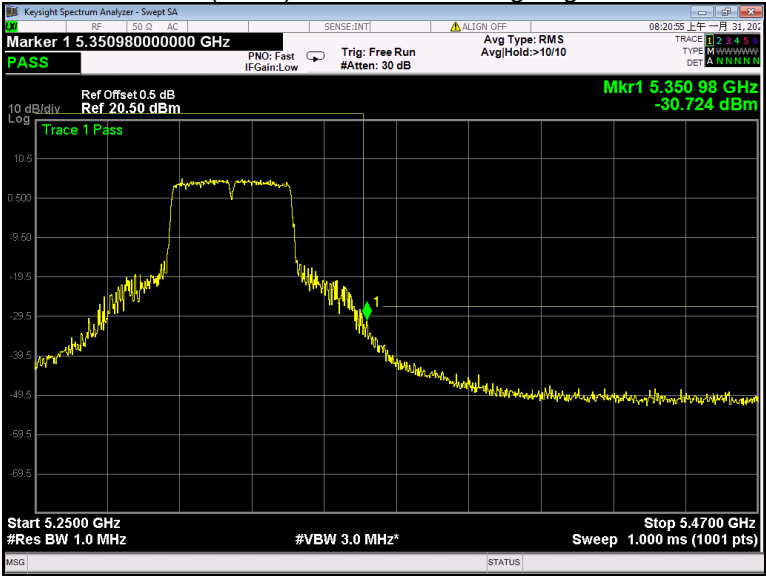
802.11n(HT40) U-NII-1 Band edge-right side



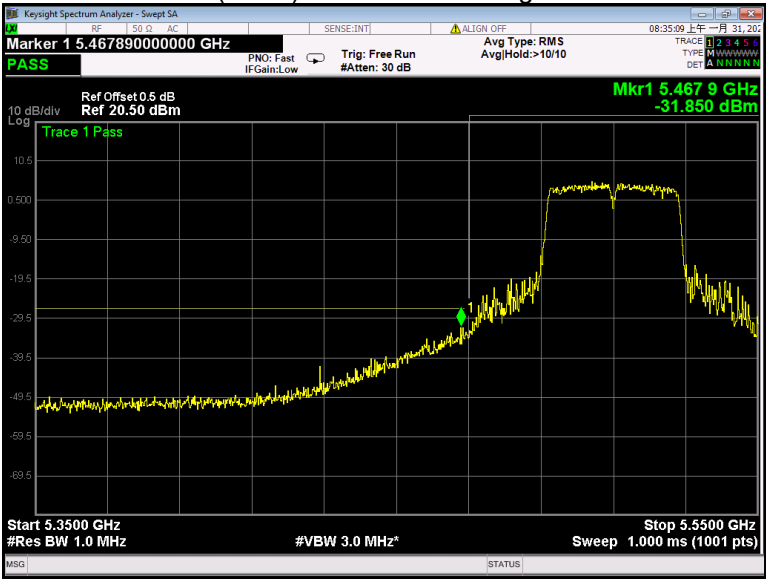
802.11n(HT40) U-NII-2A Band edge-left side



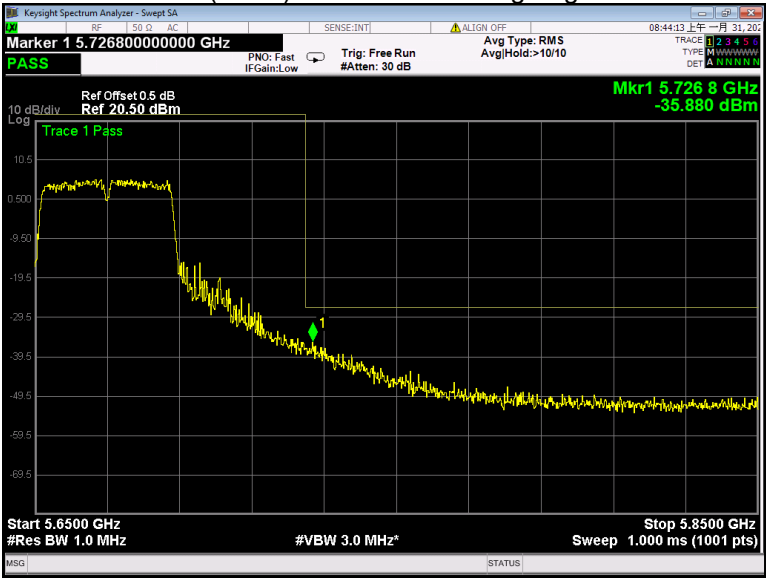
802.11n(HT40) U-NII-2A Band edge-right side



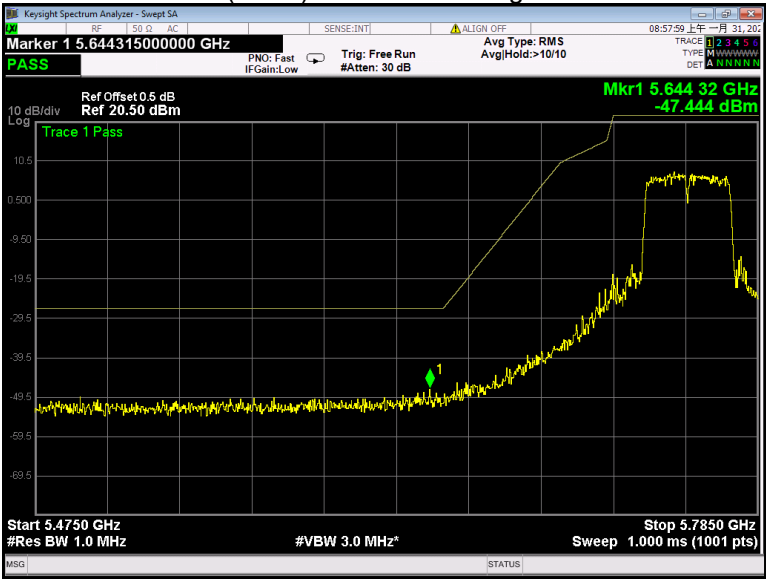
802.11n(HT40) U-NII-2C Band edge-left side



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

