

Japan Test Report

**Test Report
On Behalf of
MASPRO DENKOH CORP.
For
Wireless Display Adapter
Model No.: WDAHD2(T)**

Prepared For: **MASPRO DENKOH CORP.**
80 Jono Asada-cho, Nisshin City, Aichi Prefecture, 470-0194, Japan

Prepared By: **Shenzhen HUAKE Testing Technology Co., Ltd.**
**1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping,
Fuhai Street, Bao'an District, Shenzhen, Guangdong, China**

Date of Test: **Jul. 13, 2026 ~ Jul. 22, 2026**
Date of Report: **Jul. 22, 2026**
Report Number: **HK2607130716-E**

Test Result Certification

Applicant's Name : MASPRO DENKOH CORP.

Address : 80 Jono Asada-cho, Nisshin City, Aichi Prefecture, 470-0194, Japan

Manufacturer's Name : SHENZHEN SAGE IOT TECHNOLOGY CO.,LTD

Address : 4th Floor, Building B, Qiao Hongsheng cultural and creative garden,
Xixiang Jiedao, Bao'an District, Shenzhen City, China

Product Description

Trade Mark : MASPRO

Product Name : Wireless Display Adapter

Model and/or Type Reference: WDAHD2(T)

Standards : Article 2 Paragraph 1 of Item 19-3, annex 45 and annex 1

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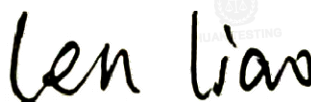
Date of Test :

Date (s) of performance of tests : Jul. 13, 2026 ~ Jul. 22, 2026

Date of Issue : Jul. 22, 2026

Test Result : Pass

Testing Engineer



Len Liao

Technical Manager



Sliver Wan

Authorized Signatory



Jason Zhou



Table of Contents

Page

1 . Summary of Test Results	5
1.1 Information of the Test Laboratory	6
1.2 Measurement Uncertainty	6
2 . General Information	7
2.1 General Description of EUT	7
2.2 Operation Frequency of Channel	8
2.3 Description of Test Modes	9
2.4 Test Conditions	10
2.5 Table for Parameters of Test Software Setting	11
2.6 Block Diagram Showing the Configuration of System Tested	12
2.7 Description of Support Units (Conducted Mode)	12
2.8 The worst case power setting parameter	12
2.8 Equipments List for All Test Items	13
3 . RF Shielding Method	14
4 . Test Result for Wifi	15
4.1 Frequency Error	15
4.2 Antenna and EIRP Power	20
4.3 Occupied Bandwidth	23
4.4 Tolerance of Spurious Emission Intensity	29
4.5 Limit of Secondary Radiated Emissions	57
4.6 Radio Interference Prevention Capability Measurement	67
4.7 Carrier Sense Capability	69
4.8 Adjacent Channel Power	71
4.9 Transmission Burst Length	76
4.10 Interference Prevention Function	82
5 . Test Setup Photos of the EUT	84
6. Photos of the EUT	85

**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	Jul. 22, 2026	Jason Zhou

1. Summary of Test Results

Test procedures according to the technical standards:

Part	Rule Section	Description of Test	Result
5	Frequency Error	--	PASS
6	Occupied Bandwidth (99%)	--	PASS
7	Unwanted Emission Intensity	--	PASS
14	Antenna Power Error	--	PASS
24	Limitation of Collateral Emission of Receiver	--	PASS
49.20(3);a	High Frequency/modulation section cannot be opened easily	--	PASS
49.20(3);b	Communication Method	--	PASS
49.20(3);c	Modulation Method	--	PASS
49.20(3);d	Signal Transmission Rate	--	PASS
49.20(3);e	Burst Length	--	PASS
49.20(3);f	Antenna Power Error	--	PASS
49.20(3);g	Isotropically Radiated Power	--	PASS
49.20(3);g	Adjacent Channel Power Tolerance	--	PASS
49.20(3);j	Interference Prevention Function	--	PASS
49.20(3);k	Carrier Sense Capability	--	PASS
--	Out-Band Emission Power	--	PASS

NOTE:

- (1) PASS: Test item meets the requirement.
- (2) Fail: Test item does not meet the requirement.
- (3) N/A: Test case does not apply to the test object.
- (4) The test result judgment is decided by the limit of test standard.
- (5) Article 2 Paragraph 1 of Item 19-3, annex 45 and annex 1
- (6) Section 4.17 Radio Equipment of Radio Stations of a Low-Power Data Communication System (Article 49.20)



1.1 Information of the Test Laboratory

Shenzhen HUAKE Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

1.2 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF power, conducted	$\pm 0.37\text{dB}$
2	Spurious emissions ,conducted	$\pm 0.11\text{dB}$
3	Occupied Bandwidth	$\pm 1.5\%$
4	Temperature	$\pm 0.1^{\circ}\text{C}$
5	Humidity	$\pm 1.0\%$



2. General Information

2.1 General Description of EUT

Equipment	Wireless Display Adapter
Model Name	WDAHD2(T)
Series Model(s)	N/A
Model Difference	N/A
Operation Frequency	IEEE 802.11a/n (HT20) 5.180GHz-5.240GHz IEEE 802.11n (HT40) 5.190GHz-5.230GHz
Modulation Type	IEEE for 802.11a/n: OFDM(BPSK/QPSK/16QAM, 64QAM)
Bit Rate of Transmitter	802.11a/n (20MHz): 65/58.5/52/39/26/19.5/13/6.5 Mbps 802.11n (40MHz): 135/121.5/108/81/54/40.5/37/13.5 Mbps
Antenna Type	Iron sheet antenna
Antenna Gain	2.59dBi
Power Source	DC5V from Type-C
Power Rating	DC5V from Type-C
Firmware Version	3.1599.3202
Hardware Version	G128-S2310-1100-TX-USB-V2

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. Antenna gain Refer to the antenna specifications.
3. The cable loss data is obtained from the supplier.
4. The test results in the report only apply to the tested sample.
5. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	Iron sheet antenna	N/A	2.59	

2.2 Operation Frequency of Channel

5.180GHz-5.240GHz	
Channel	Frequency
36	5180
38	5190
40	5200
42	5210
44	5220
46	5230
48	5240

Note: 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:

Carrier Frequency Channel

5.2G

For 802.11a/n (HT20)	
Channel	Frequency
36	5180
40	5200
48	5240

For 802.11n (HT40)	
Channel	Frequency
38	5190
46	5230

2.3 Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description	
Mode 1	TX IEEE 802.11a CH36&CH40&CH48	6 Mbps
Mode 2	TX IEEE 802.11n HT20 CH36&CH40&CH48	MCS 0
Mode 3	TX IEEE 802.11n HT40 CH38&CH46	MCS 0

2.4 Test Conditions

The WIFI module was tested while in a continuous transmitter/receiver mode. The EUT was tuned to a low, middle, and high channel for all tests. For all test case pre/scans were completed in all Modes to determine worst case levels.

Power Supply Voltage Fluctuation Test

Voltage mode	Input Voltage	Radio Unit Voltage
Input	DC 4.5V	3.31V
	DC 5.0V	3.30V
	DC 5.5V	3.30V

Note:

1. The radio unit Voltage with the module regulator IC regulator.
2. The radio unit less than 1%, so the test only rated voltage (Normal voltage) with the battery.

During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.



2.5 Table for Parameters of Test Software Setting

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

Test Software Version	Ssh, Telnet And Rlogin Client (.exe) 0.63.10029.0		
Frequency	5180MHz	5200MHz	5240MHz
IEEE 802.11a	DE9	DE9	DE9
IEEE 802.11n (20M)	DE8	DE8	DE8

Frequency	5190MHz	5230MHz
IEEE 802.11n(40M)	DE3	DE3

2.6 Block Diagram Showing the Configuration of System Tested

Mode 1:



2.7 Description of Support Units (Conducted Mode)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Trade Mark	Model/Type No.	Specification	Note
1	Wireless Display Adapter	MASPRO	WDAHD2(T)	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

2.8 The worst case power setting parameter

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the 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 end product.

Test Software Version	REALTEK 11n 8723FU USB WLAN NIC Massproduction Kit
Transmit Antenna Number	1
Test Software setting value	67

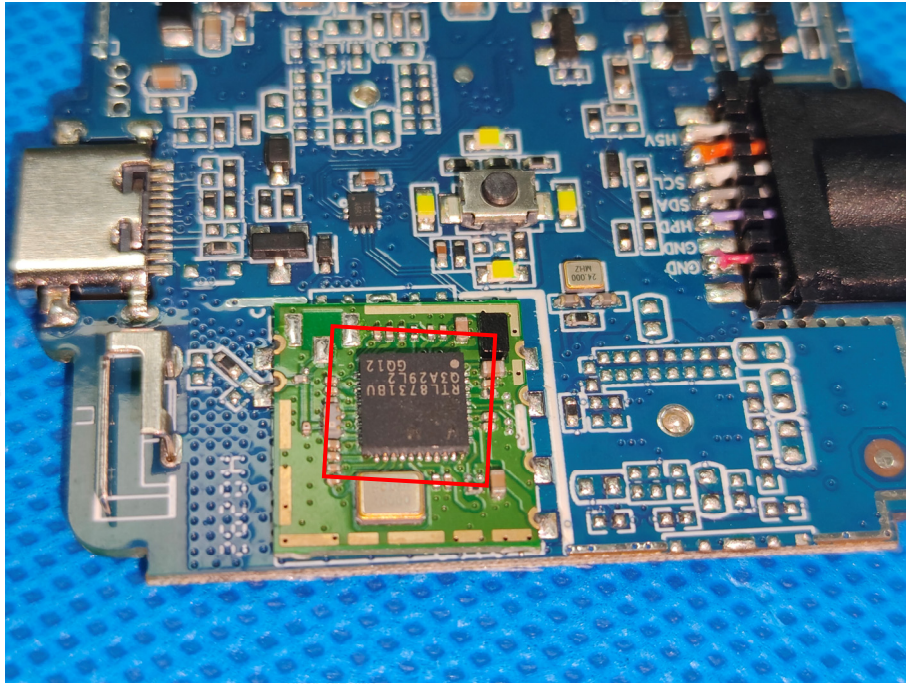
2.8 Equipments List for All Test Items

Item	Equipment	Manufacturer	Calibration Institution	Model No.	Serial No.	Equipment Number	Last Cal.	Cal. Interval
1	Spectrum analyzer	Agilent	Guangzhou LiSai Metrology & Test Co., Ltd.	N9020A	101431	HKE-025	2026/02/06	1 Year
2	Spectrum analyzer	R&S	Guangzhou LiSai Metrology & Test Co., Ltd.	FSV3044	25984	HKE-126	2026/02/06	1 Year
3	RF Automatic control unit	Tonscend	Guangzhou LiSai Metrology & Test Co., Ltd.	JS0806-2	71557	HKE-060	2026/02/06	1 Year
4	High pass filter unit	Tonscend	Guangzhou LiSai Metrology & Test Co., Ltd.	JS0806-F	17155	HKE-055	2026/02/06	1 Year
5	Wireless Communication Test Set	R&S	Guangzhou LiSai Metrology & Test Co., Ltd.	CMW500	103974	HKE-027	2026/02/06	1 Year
6	RF Test Software	Tonscend	/	JS1120-3 Version 3.5.39	/	HKE-083	/	/
7	Signal generator	Agilent	Guangzhou LiSai Metrology & Test Co., Ltd.	N5182A	/	HKE-029	2026/02/04	1 Year

Note: The calibration agency listed on the table corresponds to item ii c) of Article 24-2 paragraph 4.

3. RF Shielding Method

We apply the product for Japan RF certification. Number of terminals is 40, Terminal pitch is 1 mm. It is not easily removed. Please refer to following for photo for details. Red circle part of the RF module soldered on the PCB.



4. Test Result for WIFI

4.1 Frequency Error

4.1.1 Limit

Item	Limits
Frequency Error	+/-20ppm

4.1.2 Measuring Instruments and Setting

The following table is the setting of Spectrum Analyzer.

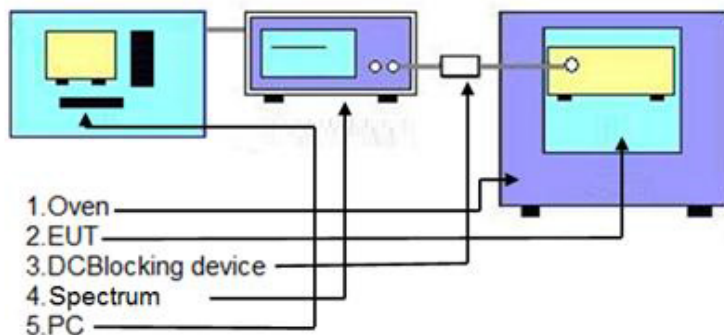
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.1.3 Test Procedures

- (1) In the case of un-modulated signal (continuous or continuous burst), measure the frequency directly by a frequency meter.
- (2) In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.
- (3) In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.
- (4) In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.

In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

4.1.4 Test Setup Layout



4.1.5 EUT Operation during Test

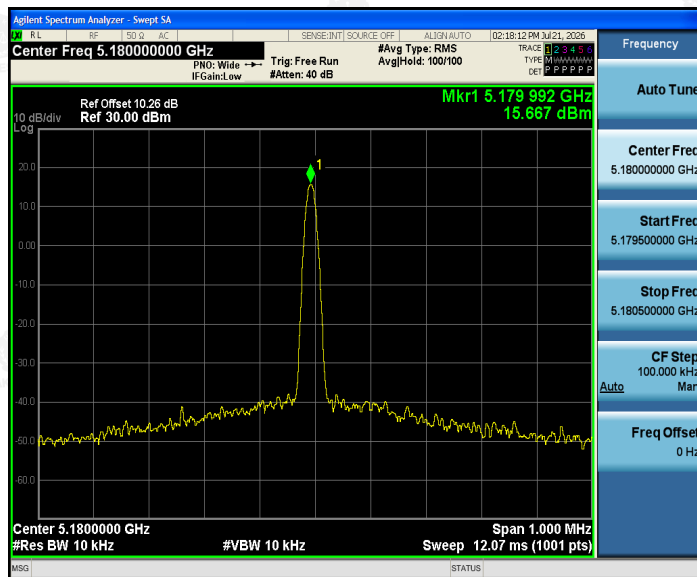
The EUT was placed on the test table and programmed in un-modulation function.

4.1.6 Test Result

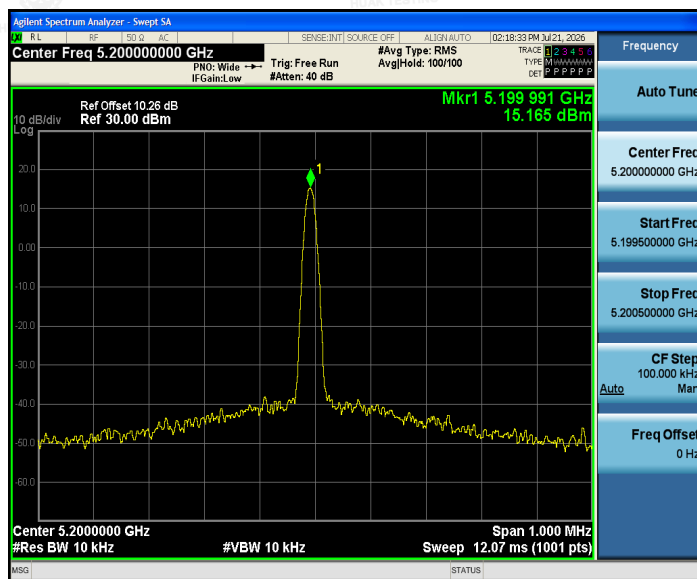
EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25 ⁰ C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage- Carrier Tx Mode		

Frequency (MHz)	Measured	Tolerance	Result	Limit
	MHz	MHz	ppm	ppm
5180	5179.992	-0.008	-1.544	+/-20
5200	5199.991	-0.009	-1.731	+/-20
5240	5239.993	-0.007	-1.336	+/-20
5190	5189.988	-0.012	-2.312	+/-20
5230	5229.987	-0.013	-2.486	+/-20
Conclusion : PASS				

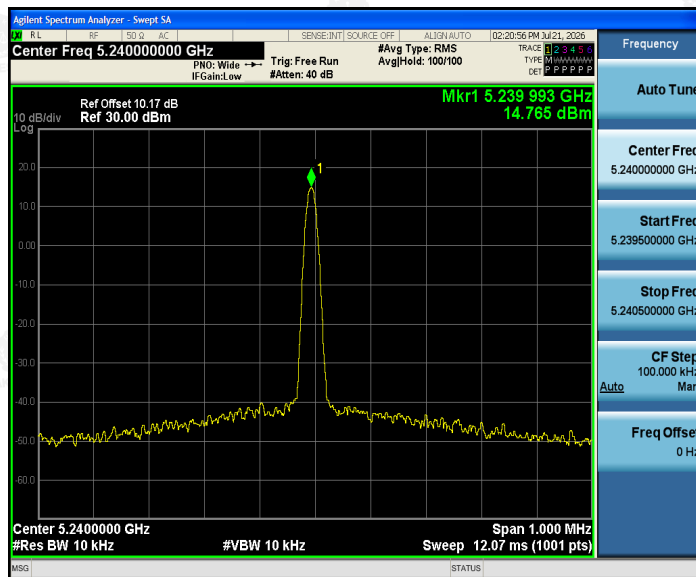
CH36: 5180MHz



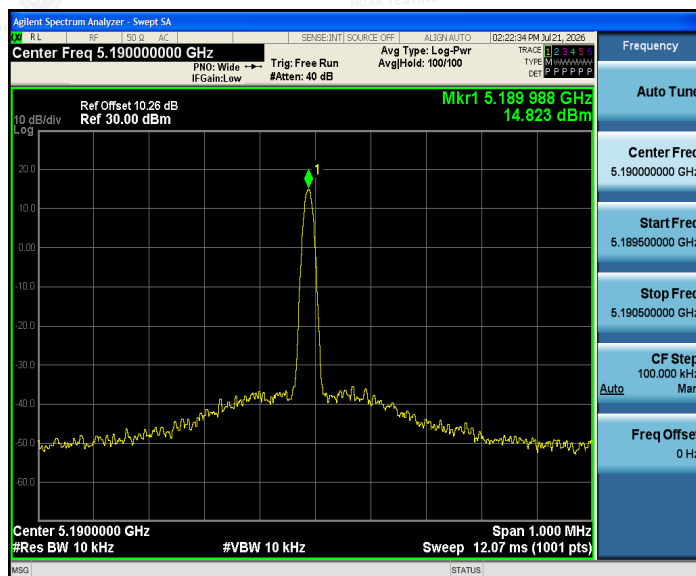
CH40: 5200MHz



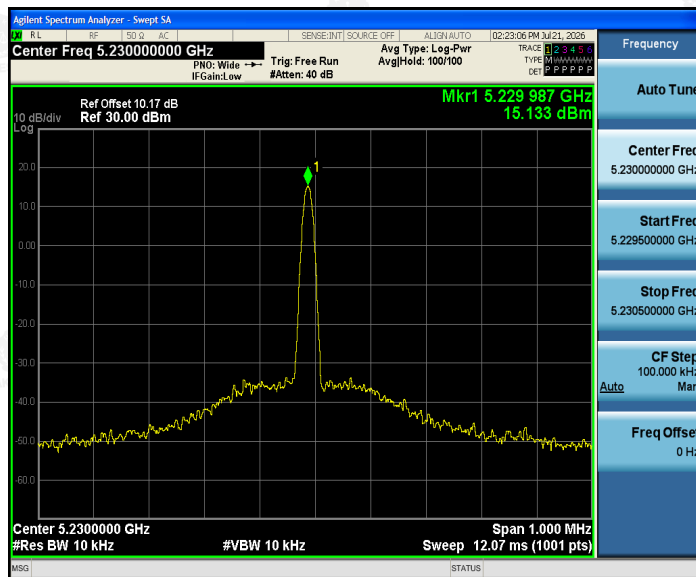
CH48: 5240MHz



CH38: 5190MHz



CH46: 5230MHz



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4.2 Antenna and EIRP Power

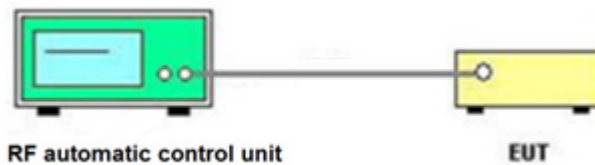
4.2.1 Limit

Item	Limits
Antenna Power Density	(1) OFDM, DS: (HT20)10mW/MHz or less, (HT40)5mW/MHz or less, (HT80)2.5mW/MHz or less, (2) Other: 10mW or less
Radiation Power EIRP	CCK/OFDM/DBPSK 5150~5250MHz) (1) 5,180 MHz, 5,200MHz, 5,220 MHz, 5,240 MHz, (HT20) 10mW/MHz or less (2) 5,190 MHz、5,230MHz、 (HT40) 5mW/MHz or less (3) 5,210 MHz (HT80) 2.5mW/MHz or less
Antenna Power Error	+20%, -80% (Base on manufacturer declare Antenna power density)

4.2.2 Measuring Instruments and Setting

1. The EUT was placed on a table which is 0.8m above ground plane.
2. The EUT was directly connected to the RF automatic control unit.

4.2.3 Test Setup Layout



4.2.4 Test Deviation

There is no deviation with the original standard.



4.2.5 Test Result

EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage- Carrier Tx Mode		

Modulation Technology	Test Frequency (MHz)	Ant output POWER (dBm/MHz)	Ant output (mW/MHz)	Declared Power (mW/MHz)	Tolerance %
802.11a	5180	5.23	3.3343	8	-58.32
	5200	5.66	3.6813	8	-53.98
	5240	5.86	3.8548	8	-51.82
802.11n (HT20)	5180	5.76	3.7670	8	-52.91
	5200	6.38	4.3451	8	-45.69
	5240	6.02	3.9994	8	-50.01
802.11n (HT40)	5190	3.53	2.2542	5	-54.92
	5230	3.04	2.0137	5	-59.73
Limit : (1) Antenna Power Density Limit is (HT20)10mW/MHz or less, (HT40)5mW/MHz or less, (HT80)2.5mW/MHz or less, Other is 10mW or less (2) Tolerance +20%, -80% (Base on manufacturer declare Antenna Power Density)					

Equivalent Isotropically Radiated Power

Modulation Technology	Channel (MHz)	Antenna Power Density(dBm/MHz)+Gain(dBi)		EIRP output (dBm/MHz)	EIRP output (mW/MHz)
802.11a	5180	5.23	2.59	7.82	6.0534
	5200	5.66	2.59	8.25	6.6834
	5240	5.86	2.59	8.45	6.9984
802.11n (HT20)	5180	5.76	2.59	8.35	6.8391
	5200	6.38	2.59	8.97	7.8886
	5240	6.02	2.59	8.61	7.2611
802.11n (HT40)	5190	3.53	2.59	6.12	4.0926
	5230	3.04	2.59	5.63	3.6559
Limit : (1) EIRP limit is (HT20)10mW/MHz or less, (HT40)5mW/MHz or less, (HT80)2.5mW/MHz or less, Other is 10mW or less					

EIRP power = Antenna power density + Gain.

Gain: 2.59dBi

4.3 Occupied Bandwidth

4.3.1 Limit

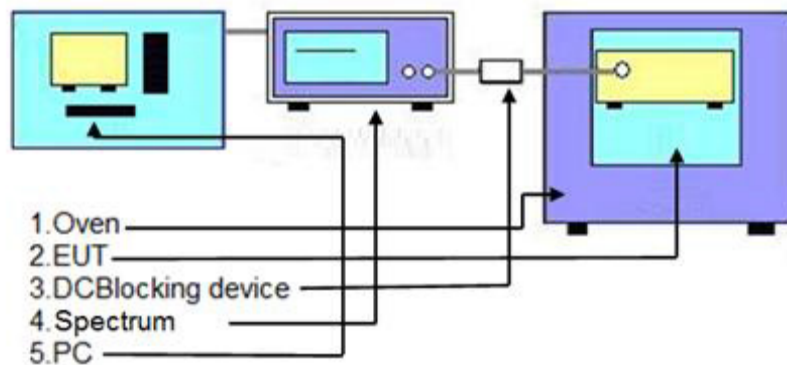
Item	Limits	
Occupied Band Width:	a/ HT20	≤20MHz
	HT40	≤40MHz
	HT80	≤80MHz
	Other Limits for report test result only.	

4.3.2 Measuring Instruments and Setting

Test Procedures

- Setting of SA is following as: 802.11a/n RB: 300KHz / VB: 300KHz / SPAN: 40/80MHz Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
- EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode (For FHSS Device).
SA set to 99% of occupied bandwidth to measure occupied bandwidth.

4.3.3 Test Setup Layout



4.3.4 Test Deviation

There is no deviation with the original standard.

4.3.5 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

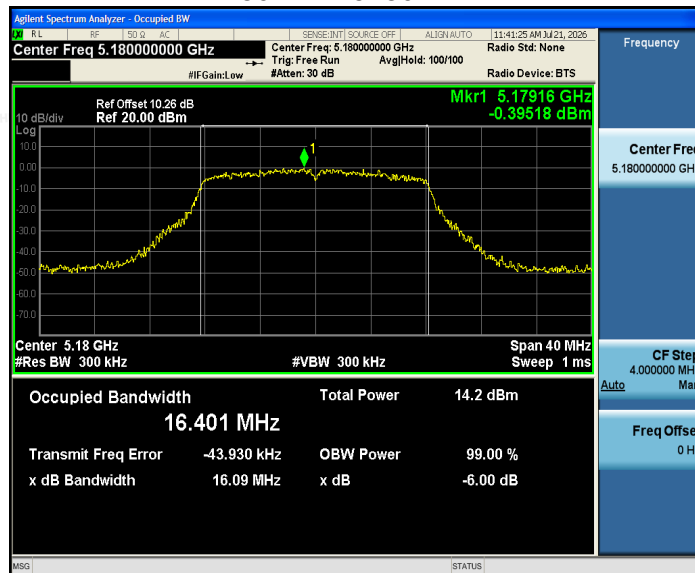


4.3.6 Test Result

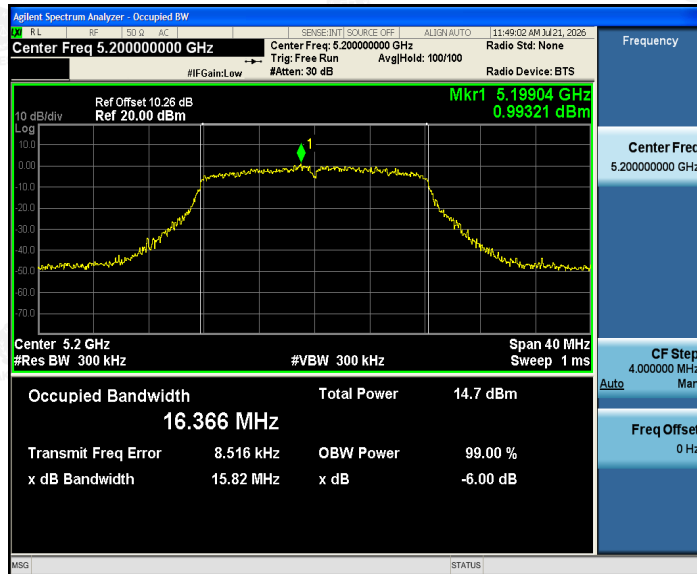
EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	802.11a		

Test Voltage	Test Frequency (MHz)	Occupied Bandwidth (MHz)
Normal Voltage	5180	16.401
	5200	16.366
	5240	16.360

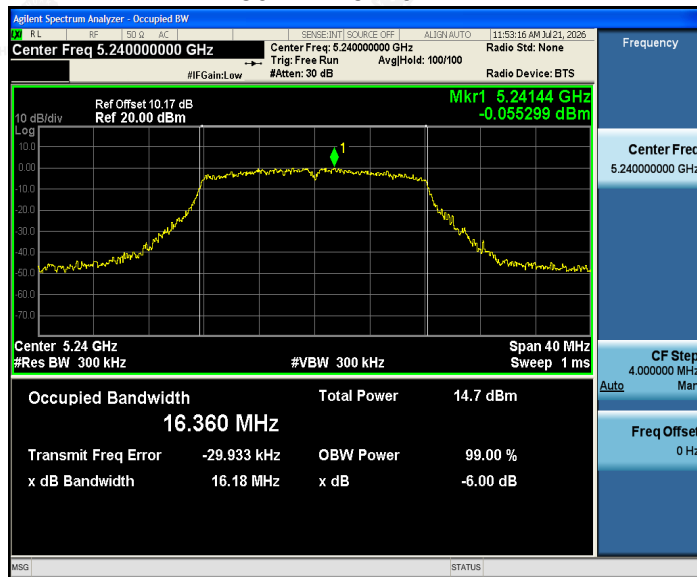
802.11a 5180MHz



802.11a 5200MHz



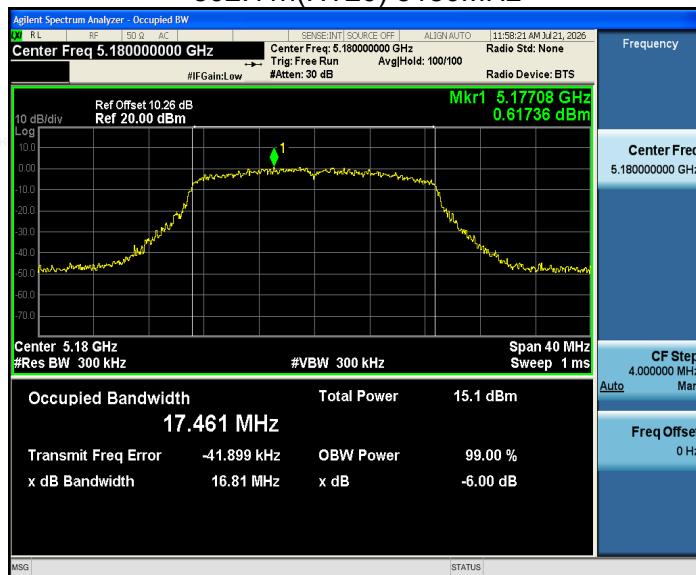
802.11a 5240MHz



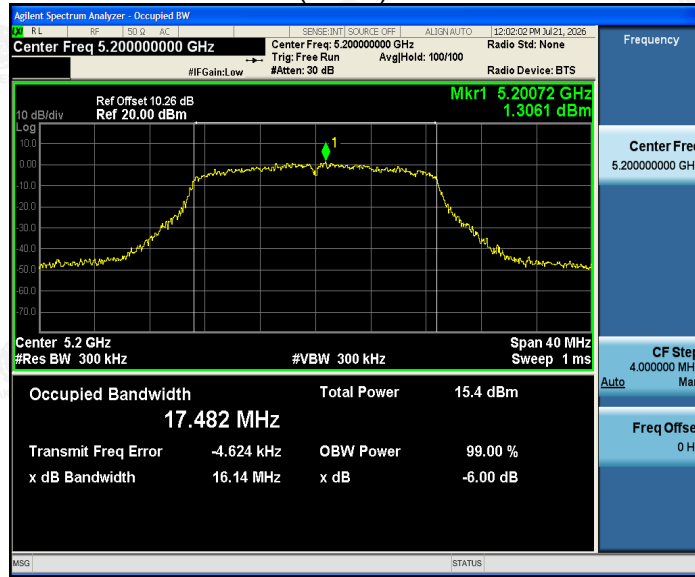
EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	802.11n(HT20)		

Test Voltage	Test Frequency (MHz)	Occupied Bandwidth (MHz)
Normal Voltage	5180	17.461
	5200	17.482
	5240	17.499

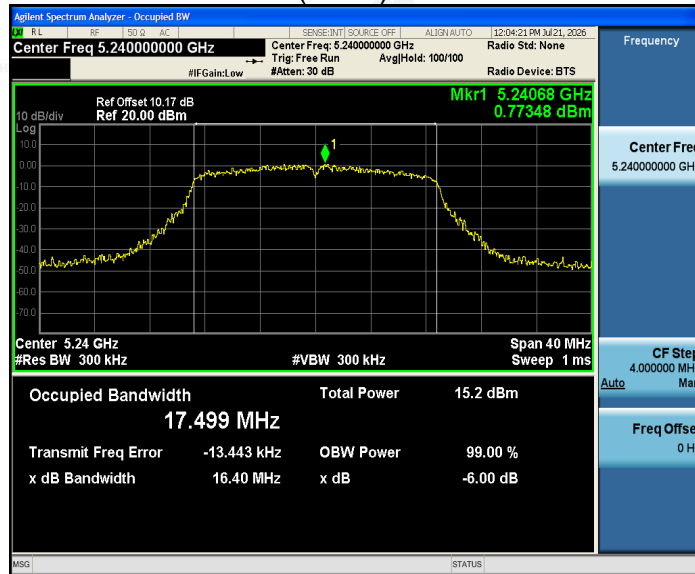
802.11n(HT20) 5180MHz



802.11n(HT20) 5200MHz



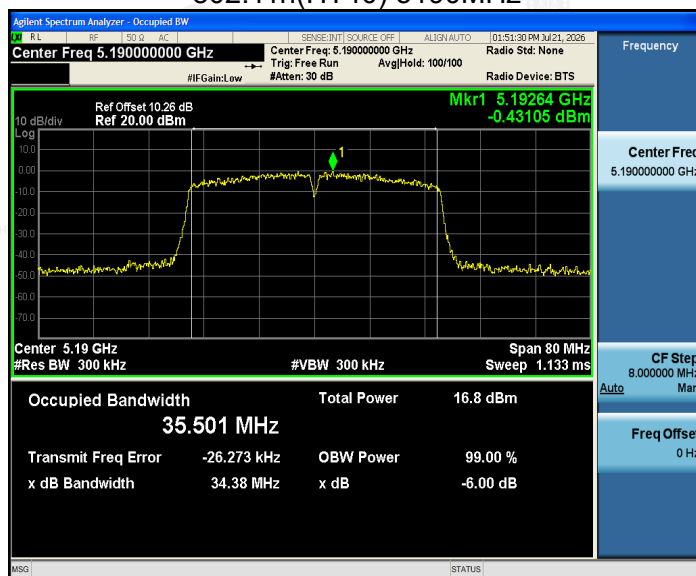
802.11n(HT20) 5240MHz



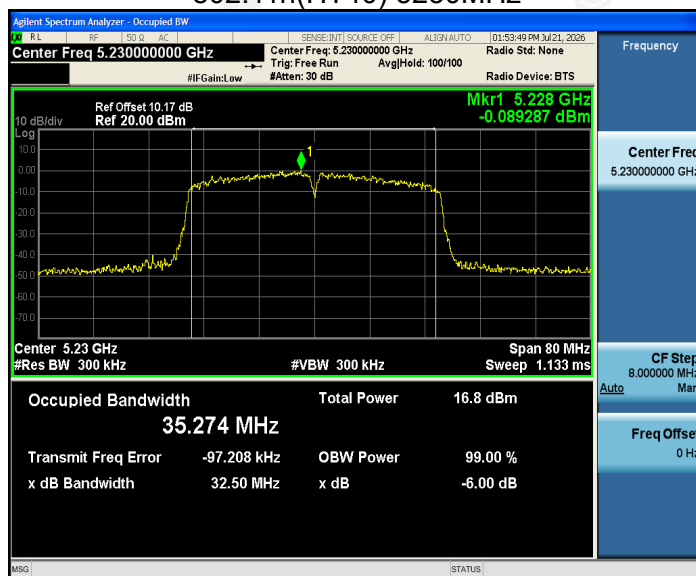
EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	802.11n(HT40)		

Test Voltage	Test Frequency (MHz)	Occupied Bandwidth (MHz)
Normal Voltage	5190	35.501
	5230	35.274

802.11n(HT40) 5190MHz



802.11n(HT40) 5230MHz



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4.4 Tolerance of Spurious Emission Intensity

4.4.1 Limit

TX Spurious Emission

20MHz system	
OBW : 18MHz or less	OBW : 18 - 20 MHz
5,142 MHz or less : 2.5 μ W/MHz	5,142 MHz or less : 2.5 μ W/MHz
5,142 - 5,150 MHz : 15 μ W/MHz	5,142 - 5,150 MHz : 15 μ W/MHz
	5,250 - 5,250.2 MHz : $10^{1-(8/3)(f-9.75)}$ mW/MHz
5,250 - 5,251 MHz : $10^{1-(f-9)}$ mW/MHz	5,250.2 - 5,251 MHz : $10^{1-(f-9)}$ mW/MHz
5,251 - 5,260 MHz : $10^{-1-(8/90)(f-11)}$ mW/MHz	5,251 - 5,260 MHz : $10^{-1-(8/90)(f-11)}$ mW/MHz
5,260 - 5,266.7 MHz : $10^{-1.8-(6/50)(f-20)}$ mW/MHz	5,260 - 5,266.7 MHz : $10^{-1.8-(6/50)(f-20)}$ mW/MHz
5,266.7 MHz or more : 2.5 μ W/MHz	5,266.7 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)
40MHz system	80MHz system
5,141.6 MHz or less : 2.5 μ W/MHz	5,123.2 MHz or less : 2.5 μ W/MHz
5,141.6 - 5,150 MHz : 15 μ W/MHz	5,123.2 - 5,150 MHz : 15 μ W/MHz
5,250 - 5,251 MHz : $10^{-(f-20)+\log(1/2)}$ mW/MHz	5,250 - 5,251 MHz : $10^{-(f-40)+\log(1/4)}$ mW/MHz
5,251 - 5,270 MHz : $10^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz	5,251 - 5,290 MHz : $10^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
5,270 - 5,278.4 MHz : $10^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz	5,290 - 5,296.7 MHz : $10^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
5,278.4 MHz or more : 2.5 μ W/MHz	5,296.7 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

4.4.2. Measuring Instruments and Setting

The following table is the setting of Spectrum Analyzer.

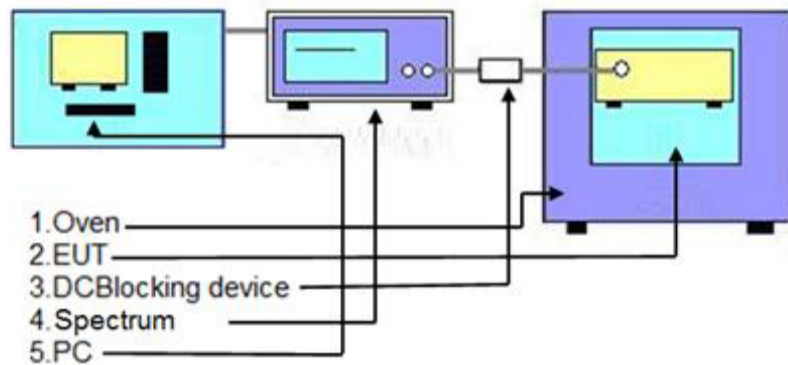
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz/1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto



4.4.3. Test Procedures

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: RB:1MHz / VB:1MHz / AT: 20dB Ref: 10dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Positive peak
Trace mode: Max hold
3. Setting of SA is following as 30MHz and stop frequency 5140MHz/5100MHz/5020MHz,
Then to mark peak reading value + cable loss shall be less than 2.5μW.
4. SA adjusted to start frequency 5360MHz/5400MHz/5480MHz and stop frequency 26000MHz.
Then to mark peak reading value + cable loss shall be less than 2.5μW.

4.4.4. Test Setup Layout



4.4.5. Test Deviation

There is no deviation with the original standard.



4.4.6. Test Result

EUT:	Wireless Display Adapter	Test Date:	Jul. 22, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-802.11a/n		

Test Mode	Test channel	StartFre [MHz]	StopFre [MHz]	Mkr Fre [MHz]	Max.Fre [dBm/MHz]	Max.Level [μW/MHz]	Limit [μW/MHz]	Verdict
802.11a	5180	30	5142	3058.18	-47.26	0.0188	≤2.5	PASS
802.11a	5180	5142	5150	5143.50	-47.25	0.0188	≤15	PASS
802.11a	5180	5250	5251	5250.98	-50.15	0.0097	≤107.2	PASS
802.11a	5180	5251	5260	5259.99	-49.61	0.0109	≤16.9	PASS
802.11a	5180	5260	5266.7	5261.47	-47.43	0.0181	≤15.7	PASS
802.11a	5180	5266.7	26000	25688.31	-39.24	0.1191	≤2.5	PASS
802.11a	5200	30	5142	3307.81	-47.37	0.0183	≤2.5	PASS
802.11a	5200	5142	5150	5147.77	-48.54	0.0140	≤15	PASS
802.11a	5200	5250	5251	5250.99	-50.24	0.0095	≤100.0	PASS
802.11a	5200	5251	5260	5259.60	-48.92	0.0128	≤16.8	PASS
802.11a	5200	5260	5266.7	5262.67	-48.88	0.0129	≤15.8	PASS
802.11a	5200	5266.7	26000	25718.03	-38.20	0.1514	≤2.5	PASS
802.11a	5240	30	5142	3284.47	-45.76	0.0265	≤2.5	PASS
802.11a	5240	5142	5150	5143.67	-48.54	0.0140	≤15	PASS
802.11a	5240	5250	5251	5250.71	-16.97	20.0909	≤144.5	PASS
802.11a	5240	5251	5260	5251.11	-22.51	5.6105	≤100.0	PASS
802.11a	5240	5260	5266.7	5260.31	-44.21	0.0379	≤15.8	PASS
802.11a	5240	5266.7	26000	25661.36	-38.36	0.1459	≤2.5	PASS
802.11n(HT20)	5180	30	5142	3177.29	-46.95	0.0202	≤2.5	PASS
802.11n(HT20)	5180	5142	5150	5147.98	-48.44	0.0143	≤15	PASS
802.11n(HT20)	5180	5250	5251	5250.91	-49.65	0.0108	≤107.2	PASS
802.11n(HT20)	5180	5251	5260	5259.94	-48.50	0.0141	≤19.3	PASS
802.11n(HT20)	5180	5260	5266.7	5260.74	-47.97	0.0160	≤15.8	PASS
802.11n(HT20)	5180	5266.7	26000	25273.64	-39.15	0.1216	≤2.5	PASS
802.11n(HT20)	5200	30	5142	3324.51	-46.18	0.0241	≤2.5	PASS
802.11n(HT20)	5200	5142	5150	5146.14	-48.67	0.0136	≤15	PASS
802.11n(HT20)	5200	5250	5251	5250.99	-50.09	0.0098	≤120.2	PASS
802.11n(HT20)	5200	5251	5260	5260.00	-50.34	0.0092	≤18.6	PASS
802.11n(HT20)	5200	5260	5266.7	5264.83	-48.53	0.0140	≤15.8	PASS

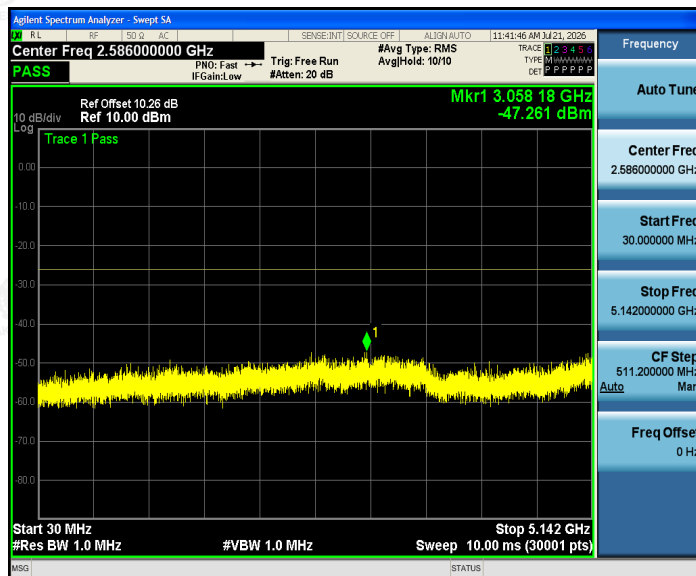
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAKE Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.



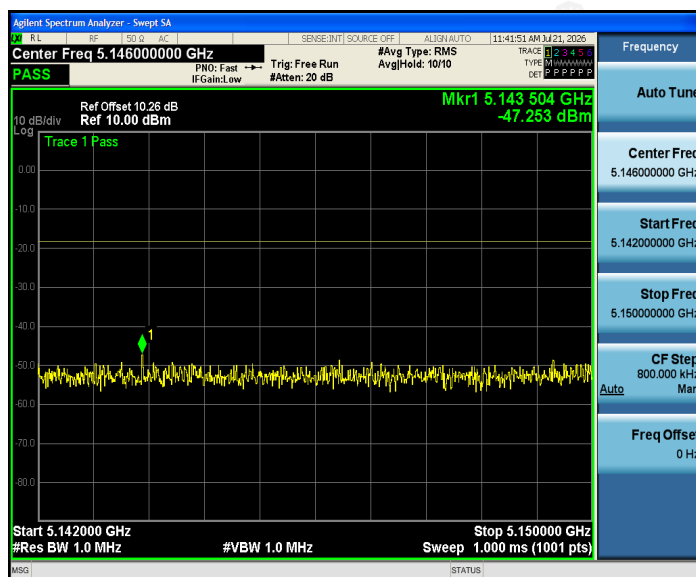
802.11n(HT20)	5200	5266.7	26000	25225.27	-39.26	0.1186	≤2.5	PASS
802.11n(HT20)	5240	30	5142	3273.90	-46.40	0.0229	≤2.5	PASS
802.11n(HT20)	5240	5142	5150	5149.27	-49.34	0.0116	≤15	PASS
802.11n(HT20)	5240	5250	5251	5250.58	-17.28	18.7068	≤478.6	PASS
802.11n(HT20)	5240	5251	5260	5251.39	-22.99	5.0234	≤97.6	PASS
802.11n(HT20)	5240	5260	5266.7	5265.31	-48.14	0.0153	≤15.8	PASS
802.11n(HT20)	5240	5266.7	26000	25107.78	-38.57	0.1390	≤2.5	PASS
802.11n(HT40)	5190	30	5141.6	5110.25	-46.17	0.0242	≤2.5	PASS
802.11n(HT40)	5190	5141.6	5150	5147.19	-45.56	0.0278	≤15	PASS
802.11n(HT40)	5190	5250	5251	5250.98	-49.38	0.0115	≤57.4	PASS
802.11n(HT40)	5190	5251	5270	5269.53	-46.75	0.0211	≤9.1	PASS
802.11n(HT40)	5190	5270	5278.4	5277.00	-48.54	0.0140	≤2.5	PASS
802.11n(HT40)	5190	5278.4	26000	24775.35	-39.43	0.1140	≤2.5	PASS
802.11n(HT40)	5230	30	5141.6	3149.10	-47.13	0.0194	≤2.5	PASS
802.11n(HT40)	5230	5141.6	5150	5149.91	-47.84	0.0164	≤15	PASS
802.11n(HT40)	5230	5250	5251	5250.96	-40.26	0.0942	≤88.9	PASS
802.11n(HT40)	5230	5251	5270	5269.75	-50.42	0.0091	≤15.5	PASS
802.11n(HT40)	5230	5270	5278.4	5277.74	-50.36	0.0092	≤3.8	PASS
802.11n(HT40)	5230	5278.4	26000	24177.88	-39.53	0.1114	≤2.5	PASS

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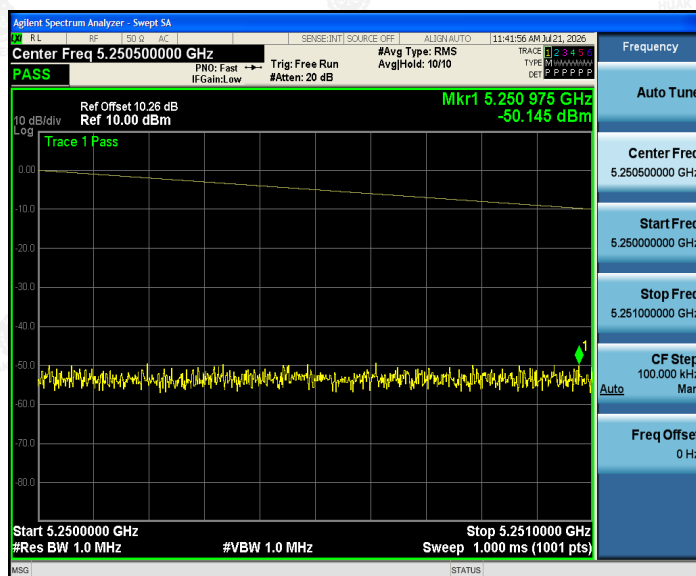
802.11a
CH 36: 5180MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5142 \text{ MHz}$)



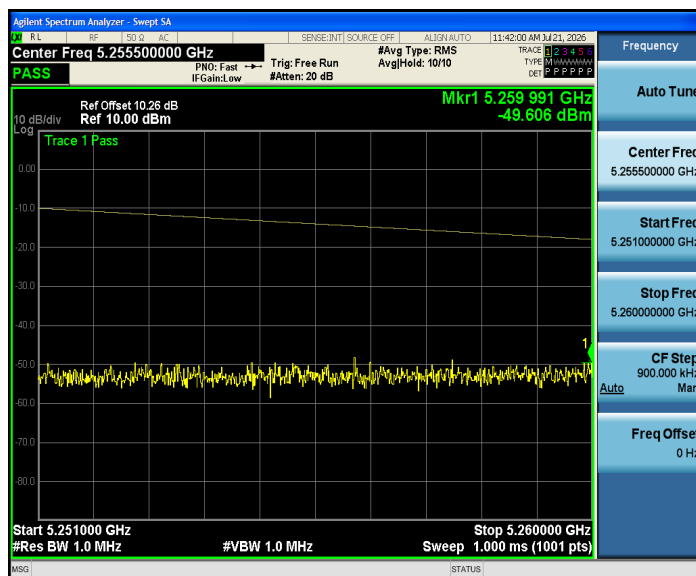
CH 36: 5180MHz - Frequency Band 2 ($5142 \text{ MHz} \leq f \leq 5150 \text{ MHz}$)



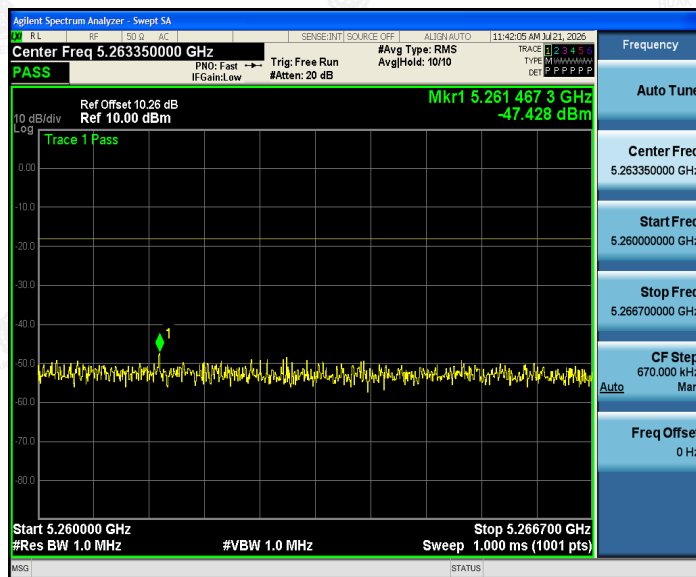
CH 36: 5180MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



CH 36: 5180MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5260 \text{ MHz}$)



CH 36: 5180MHz - Frequency Band 5 ($5260 \text{ MHz} \leq f \leq 5266.7 \text{ MHz}$)



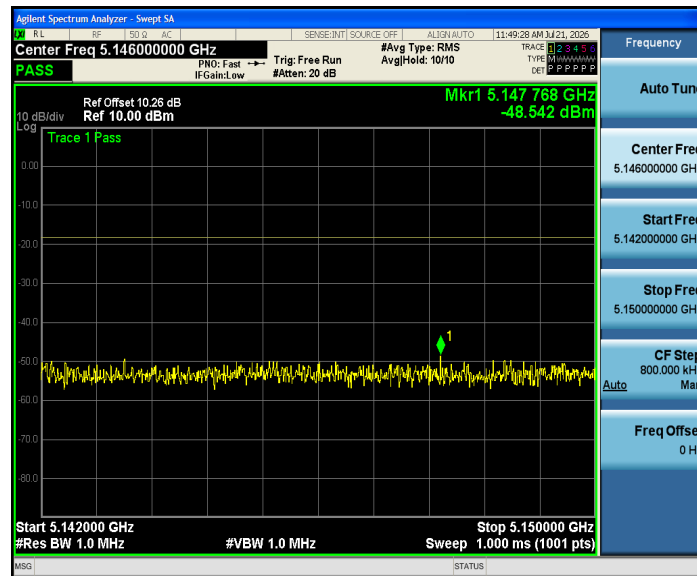
CH 36: 5180MHz - Frequency Band 6 ($5266.7 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



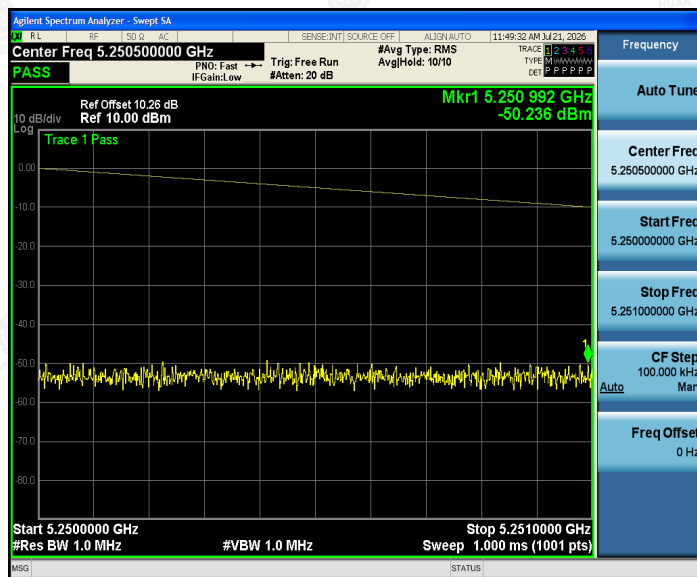
CH 40: 5200MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5142 \text{ MHz}$)



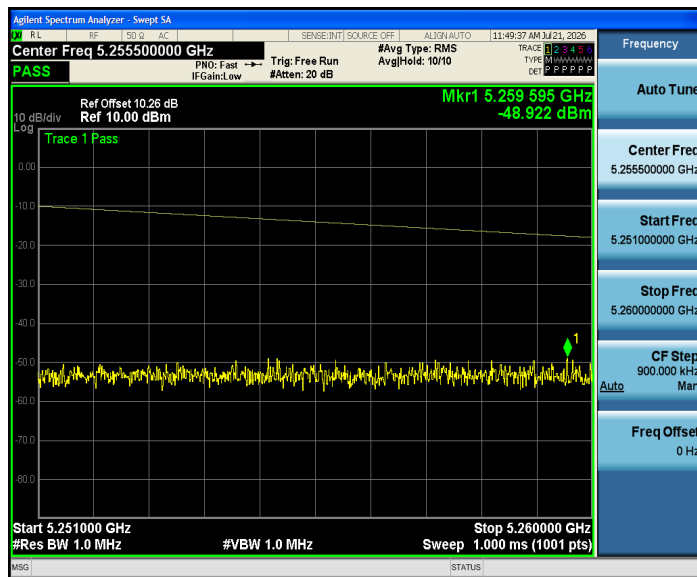
CH 40: 5200MHz - Frequency Band 2 ($5142 \text{ MHz} \leq f \leq 5150 \text{ MHz}$)



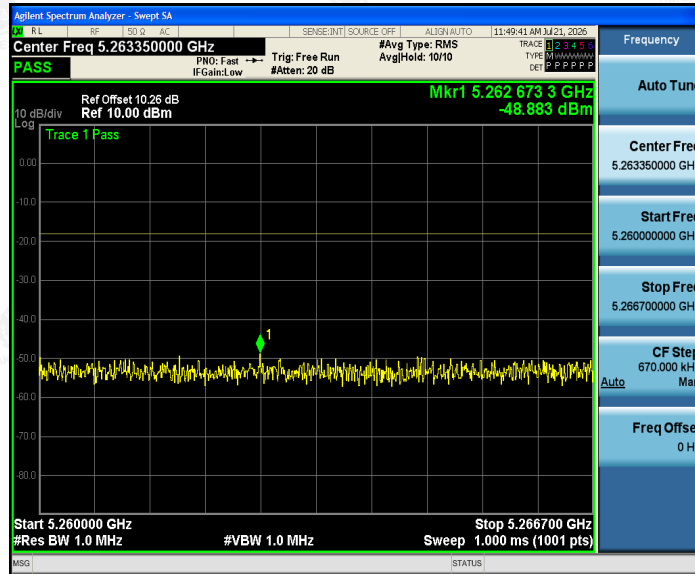
CH 40: 5200MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



CH 40: 5200MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5260 \text{ MHz}$)



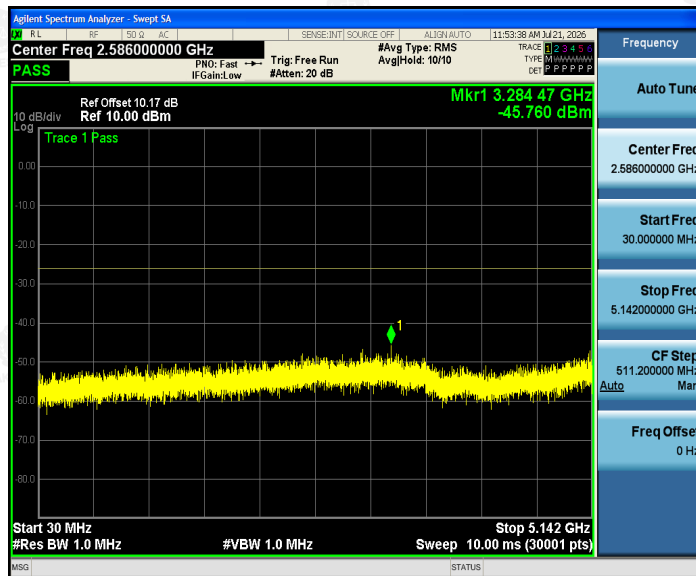
CH 40: 5200MHz - Frequency Band 5 ($5260 \text{ MHz} \leq f \leq 5266.7 \text{ MHz}$)



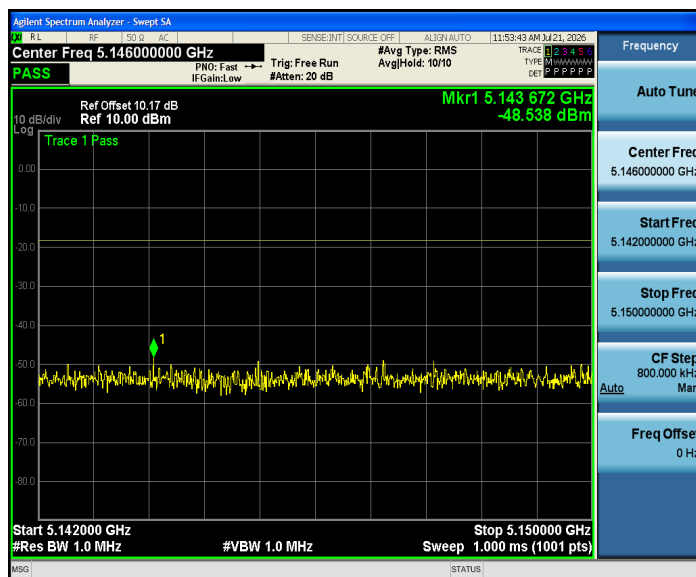
CH 40: 5200MHz - Frequency Band 6 ($5266.7 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



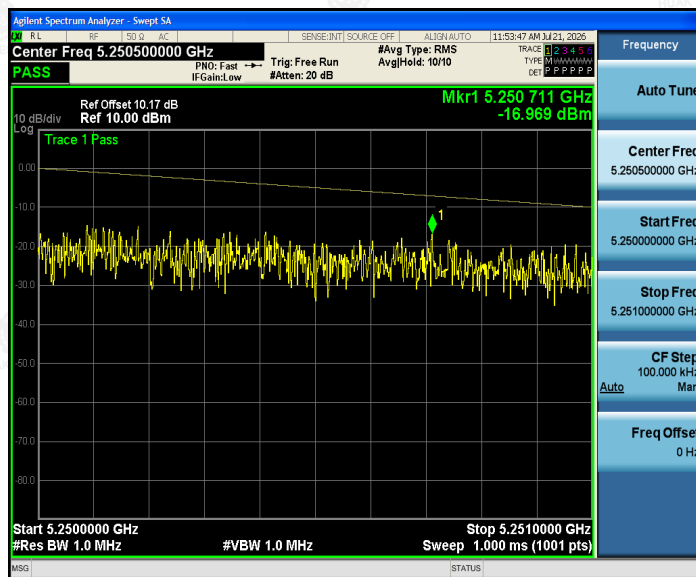
CH 48: 5240MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5142\text{ MHz}$)



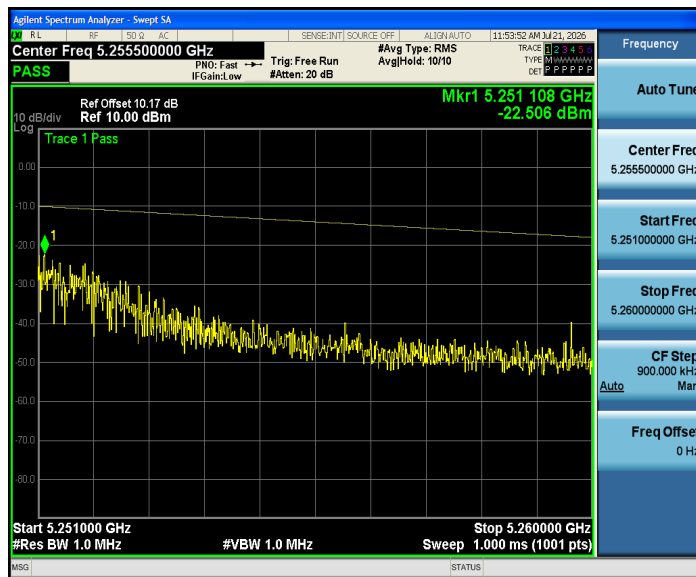
CH 48: 5240MHz - Frequency Band 2 ($5142\text{ MHz} \leq f \leq 5150\text{ MHz}$)



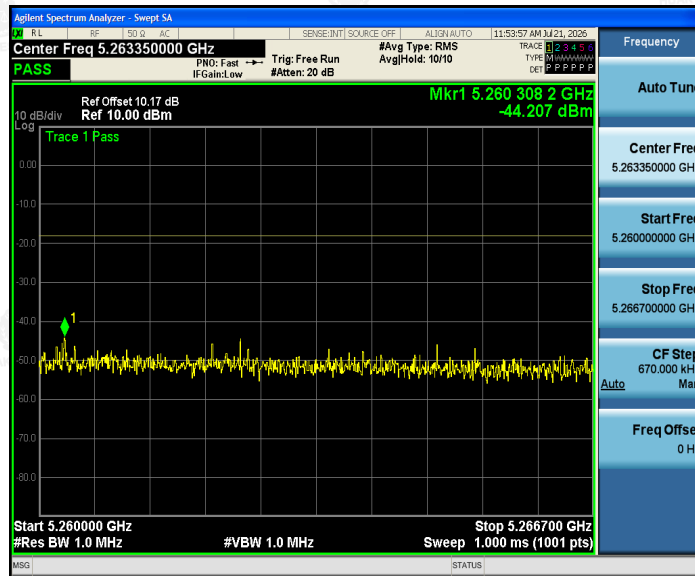
CH 48: 5240MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



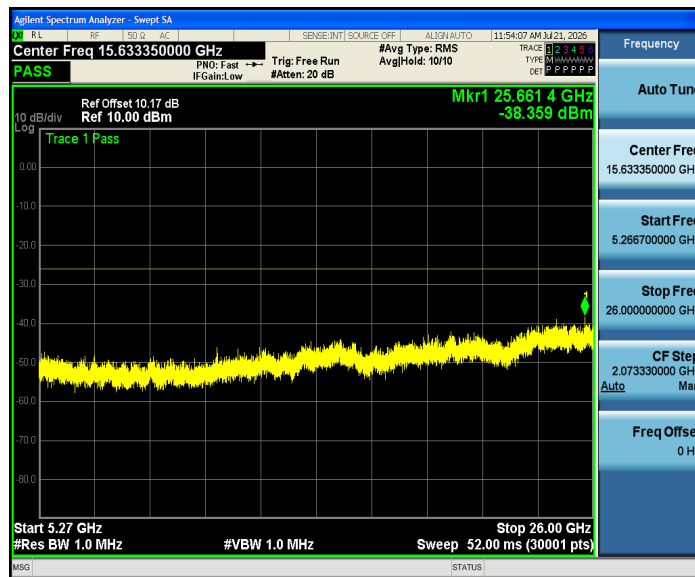
CH 48: 5240MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5260 \text{ MHz}$)



CH 48: 5240MHz - Frequency Band 5 ($5260 \text{ MHz} \leq f \leq 5266.7 \text{ MHz}$)

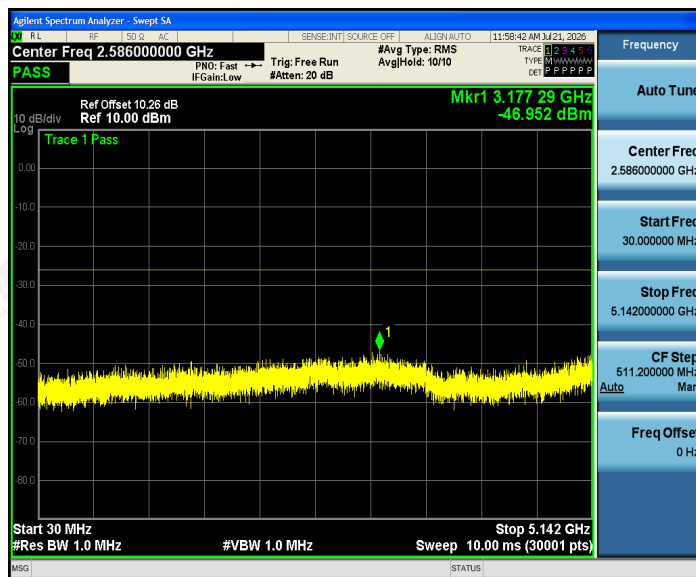


CH 48: 5240MHz - Frequency Band 6 ($5266.7 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)

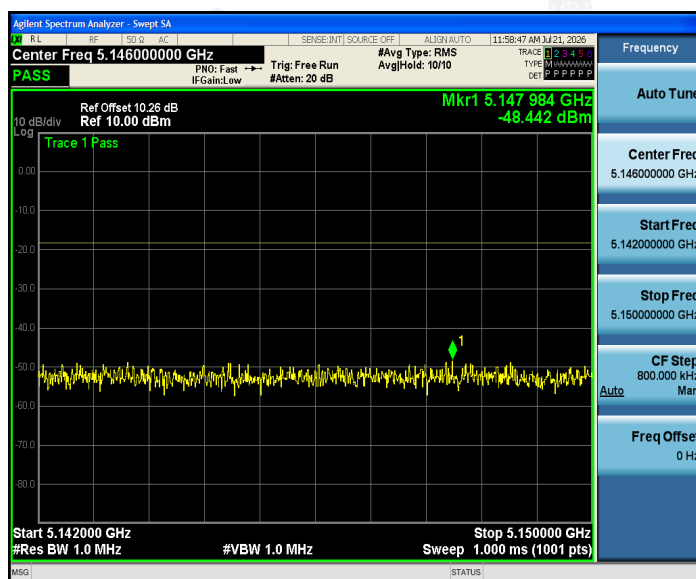


802.11n(HT20)

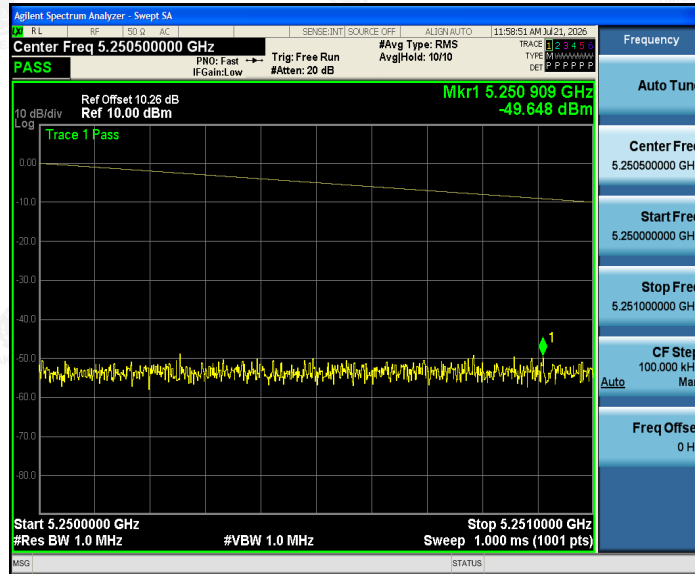
CH 36: 5180MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5142\text{ MHz}$)



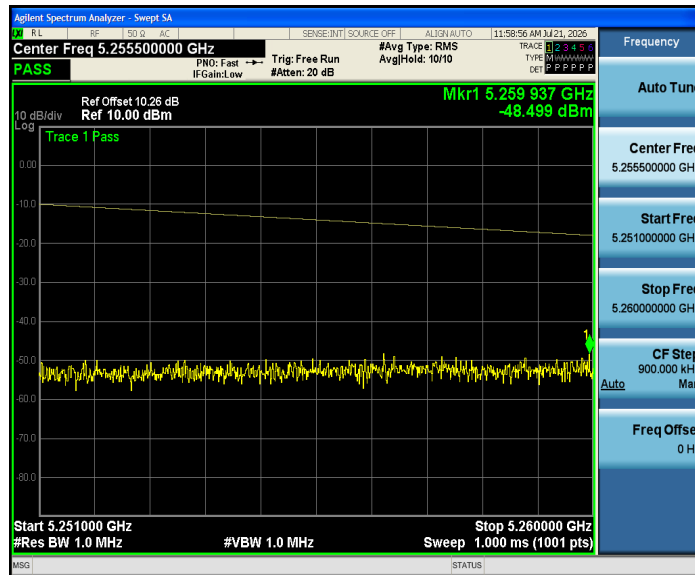
CH 36: 5180MHz - Frequency Band 2 ($5142\text{ MHz} \leq f \leq 5150\text{ MHz}$)



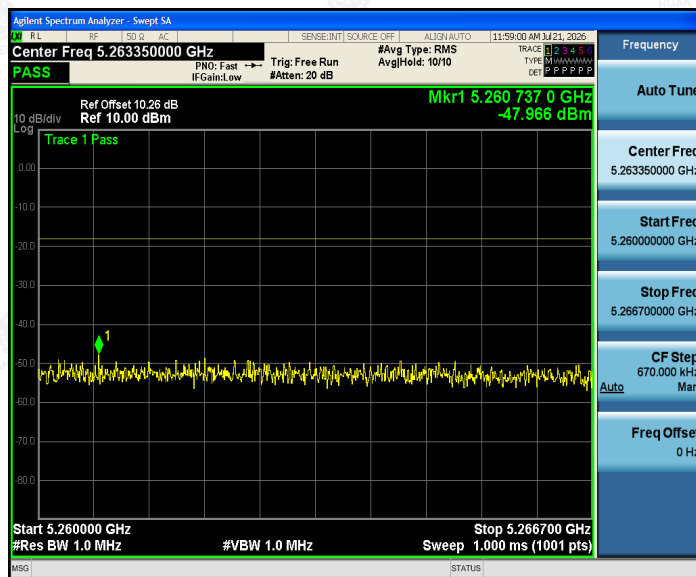
CH 36: 5180MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



CH 36: 5180MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5260 \text{ MHz}$)



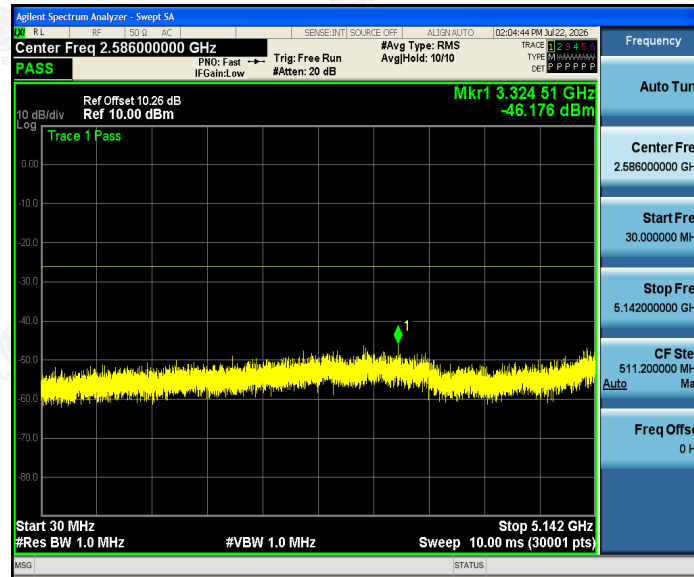
CH 36: 5180MHz - Frequency Band 5 ($5260 \text{ MHz} \leq f \leq 5266.7 \text{ MHz}$)



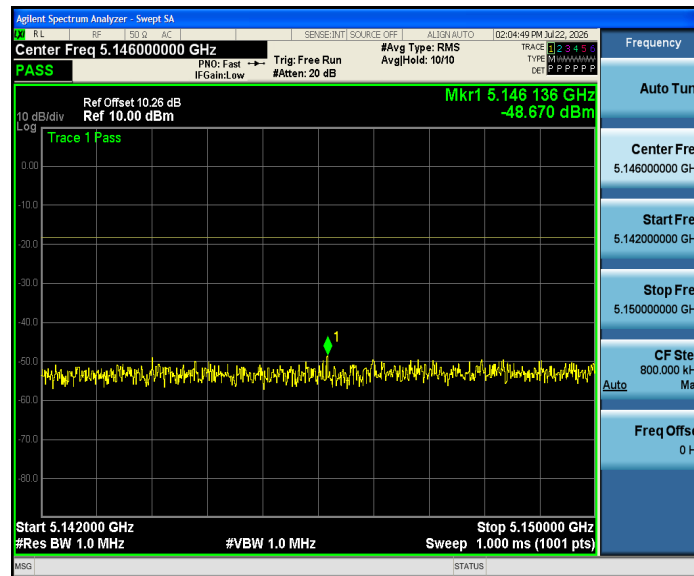
CH 36: 5180MHz - Frequency Band 6 ($5266.7 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



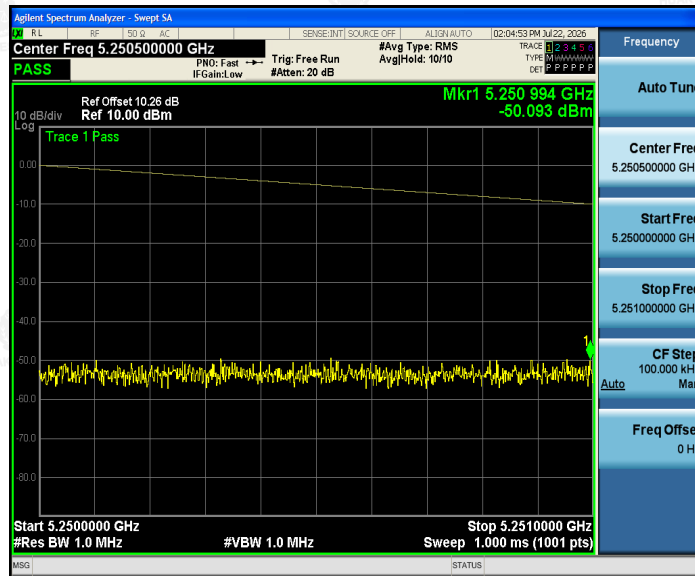
CH 40: 5200MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5142 \text{ MHz}$)



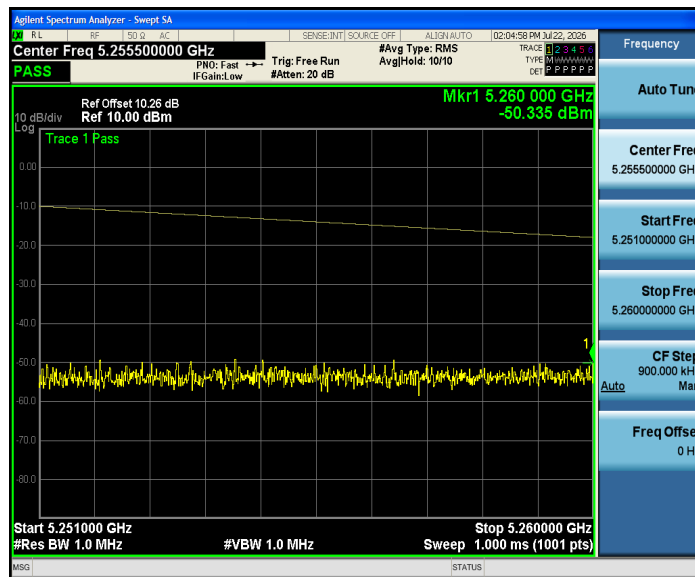
CH 40: 5200MHz - Frequency Band 2 ($5142 \text{ MHz} \leq f \leq 5150 \text{ MHz}$)



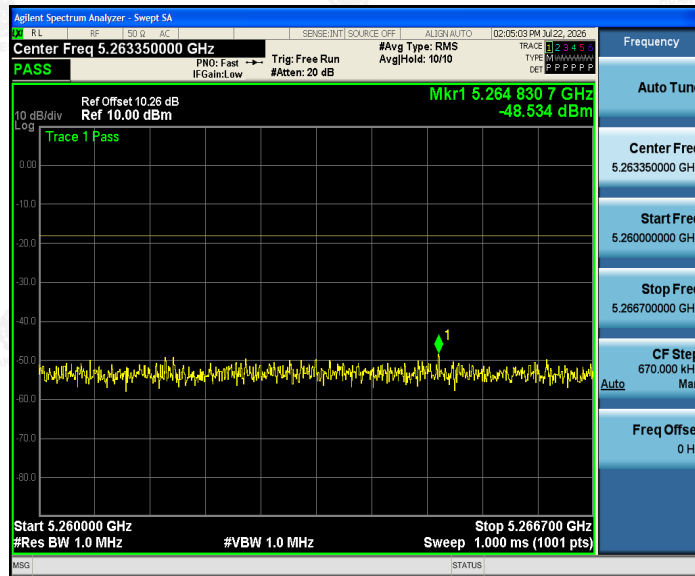
CH 40: 5200MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



CH 40: 5200MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5260 \text{ MHz}$)



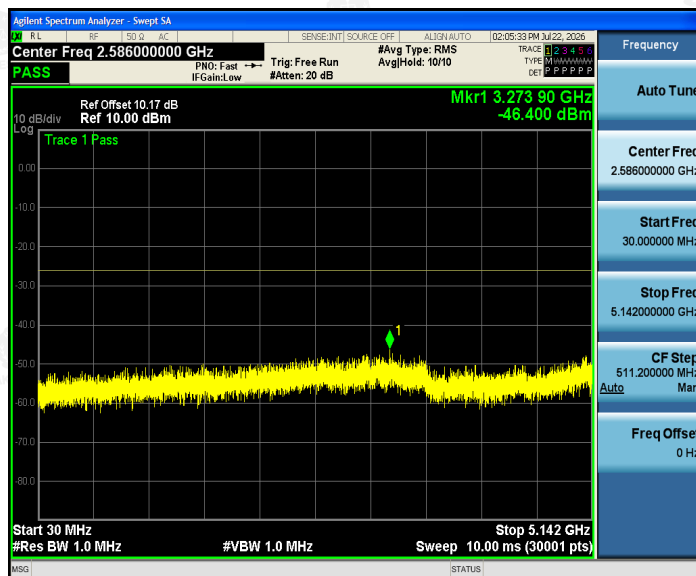
CH 40: 5200MHz - Frequency Band 5 ($5260 \text{ MHz} \leq f \leq 5266.7 \text{ MHz}$)



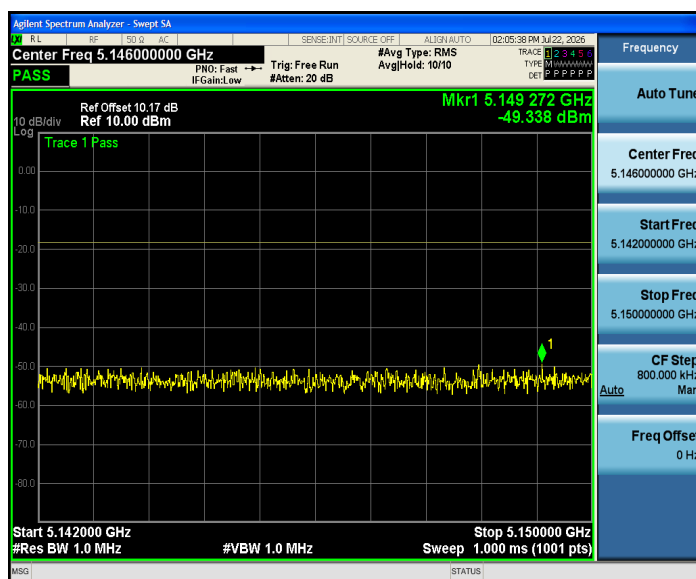
CH 40: 5200MHz - Frequency Band 6 ($5266.7 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



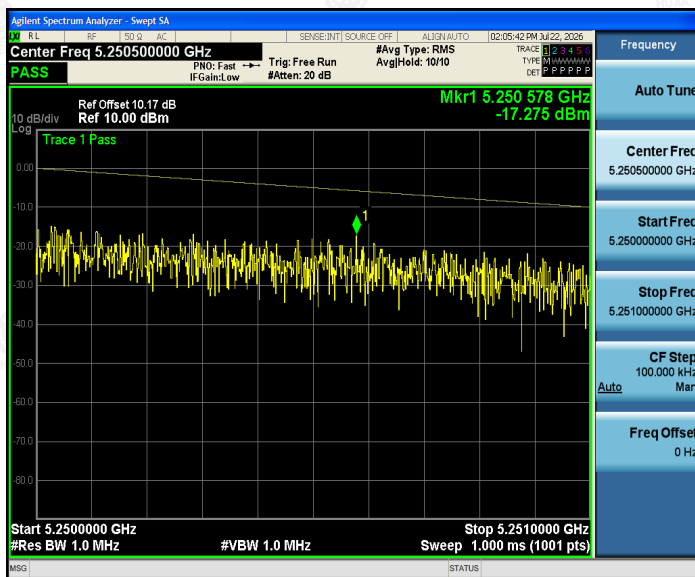
CH 48: 5240MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5142\text{ MHz}$)



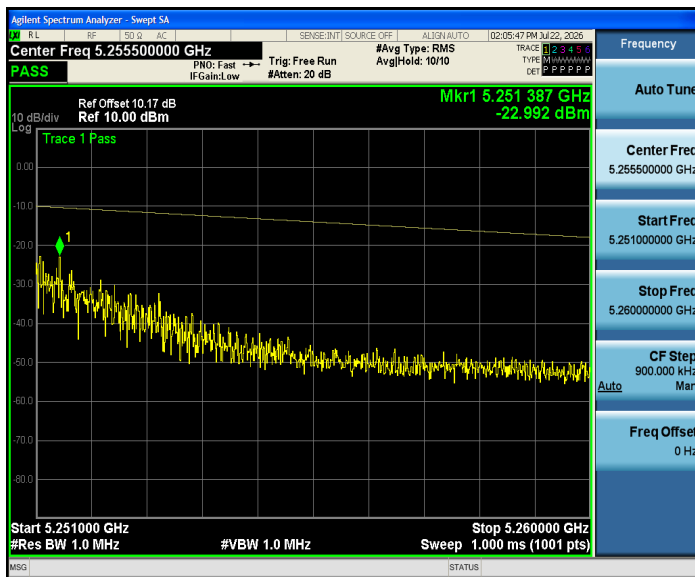
CH 48: 5240MHz - Frequency Band 2 ($5142\text{ MHz} \leq f \leq 5150\text{ MHz}$)



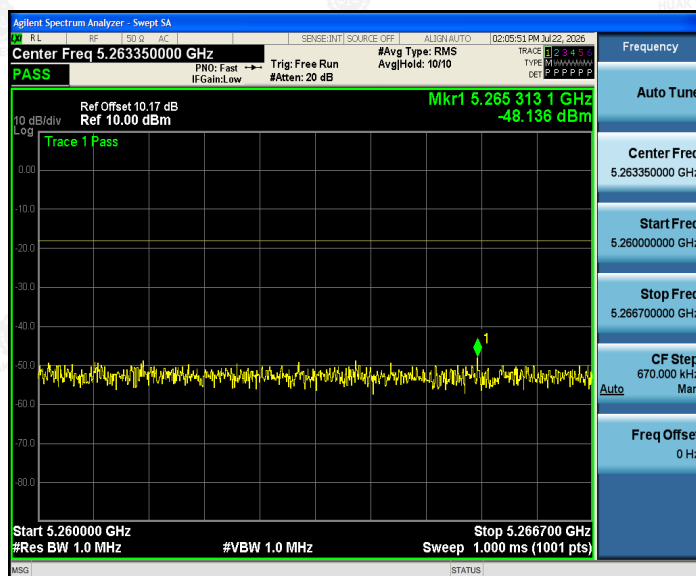
CH 48: 5240MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



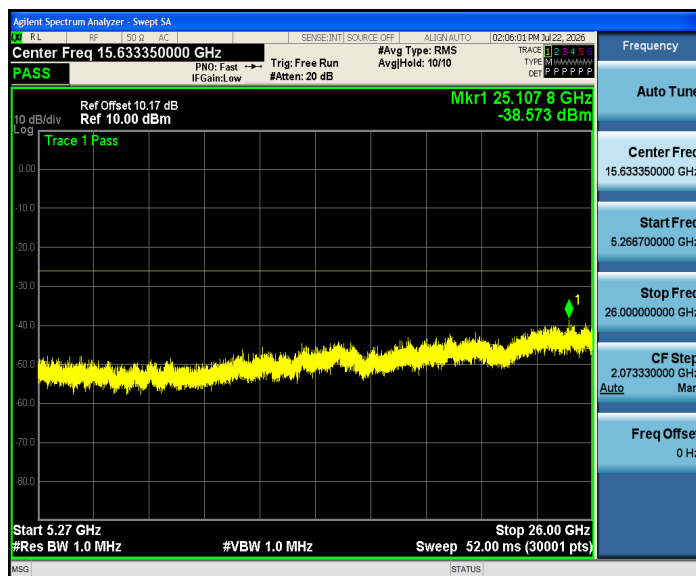
CH 48: 5240MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5260 \text{ MHz}$)



CH 48: 5240MHz - Frequency Band 5 ($5260 \text{ MHz} \leq f \leq 5266.7 \text{ MHz}$)

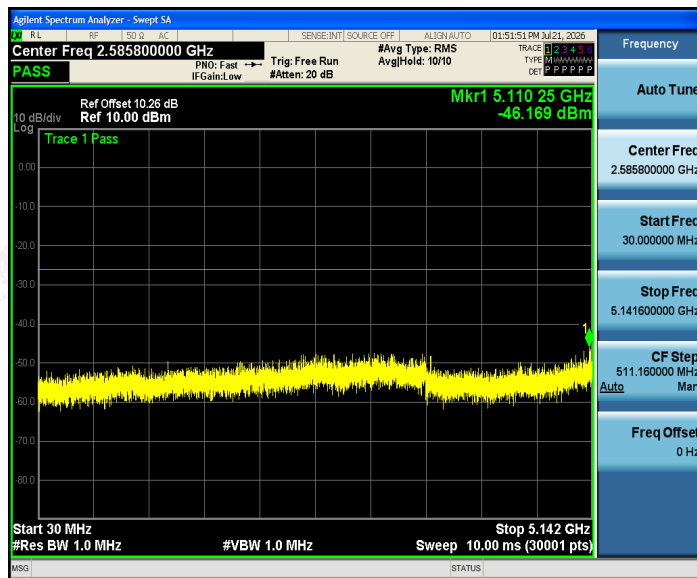


CH 48: 5240MHz - Frequency Band 6 ($5266.7 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)

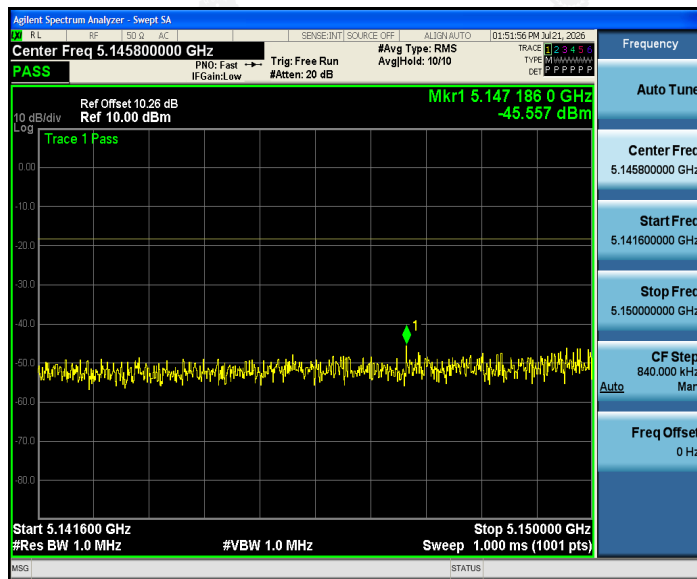


802.11n(HT40)

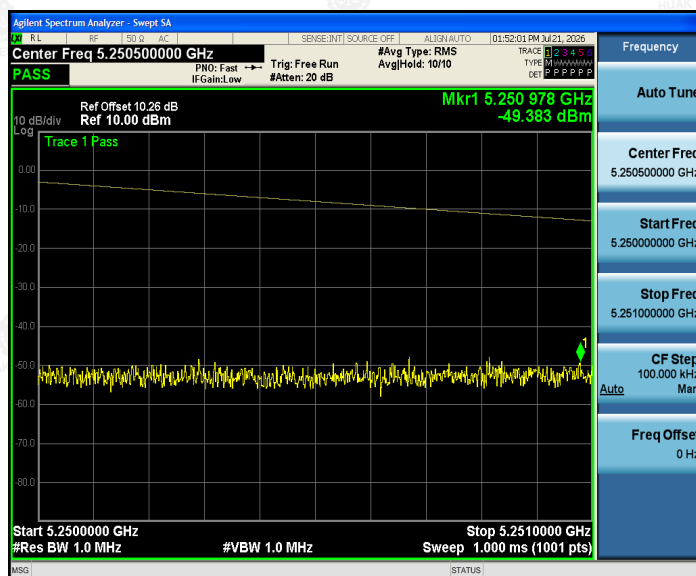
CH 38: 5190MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5141.6\text{ MHz}$)



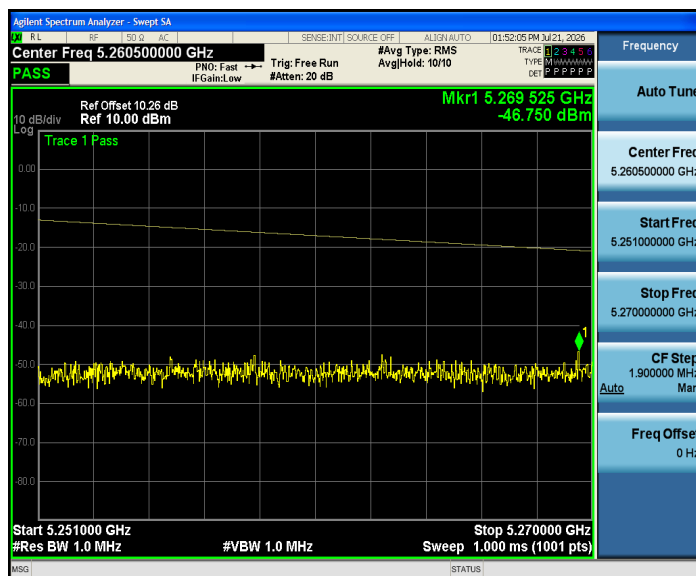
CH 38: 5190MHz - Frequency Band 2 ($5141.6\text{ MHz} \leq f \leq 5150\text{ MHz}$)



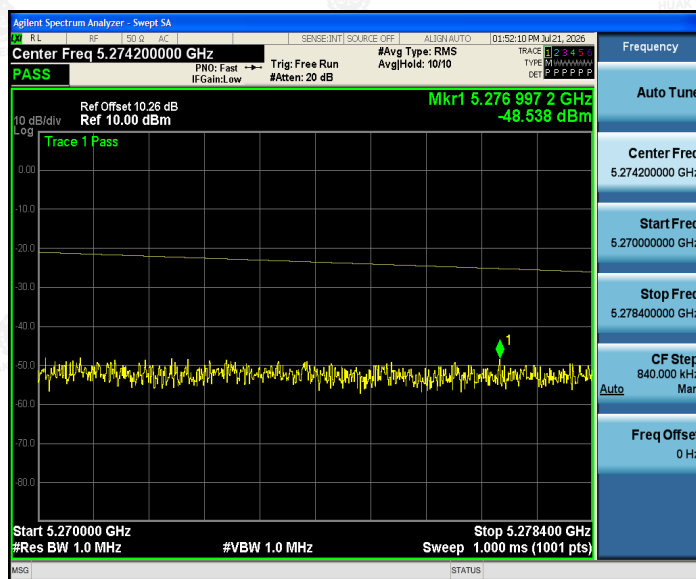
CH 38: 5190MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



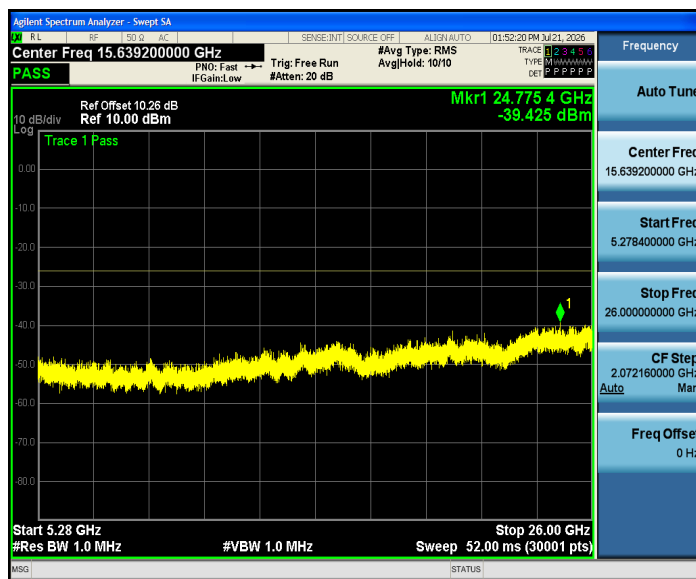
CH 38: 5190MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5270 \text{ MHz}$)



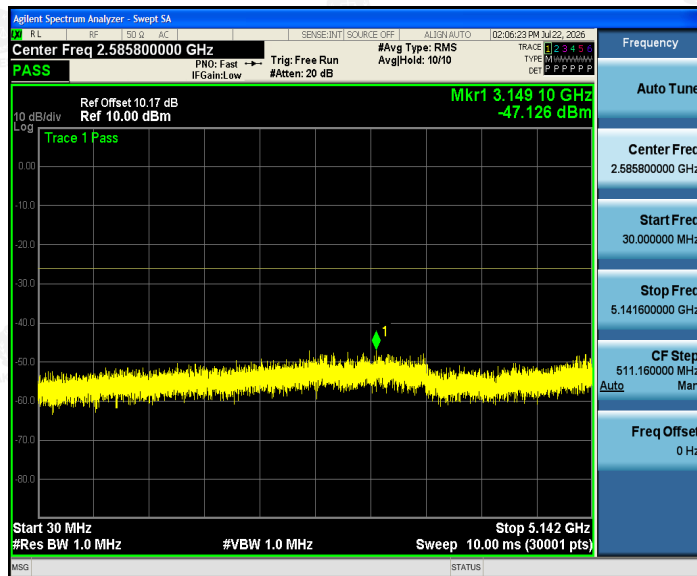
CH 38: 5190MHz - Frequency Band 5 ($5270 \text{ MHz} \leq f \leq 5278.4 \text{ MHz}$)



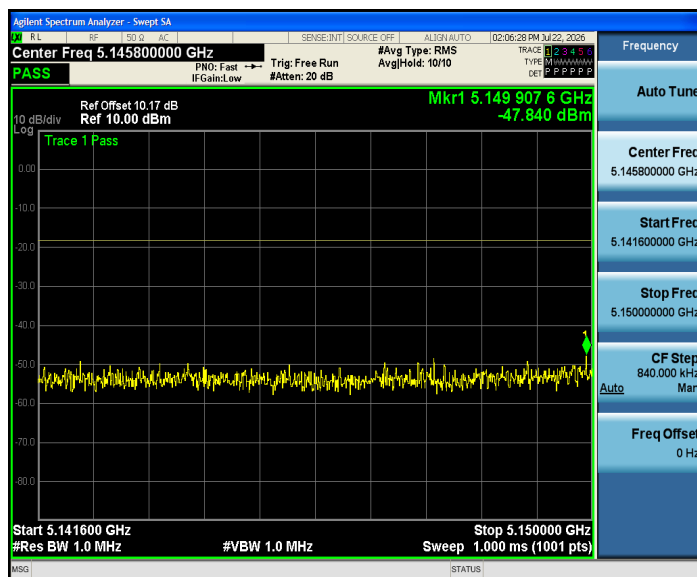
CH 38: 5190MHz - Frequency Band 6 ($5278.4 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



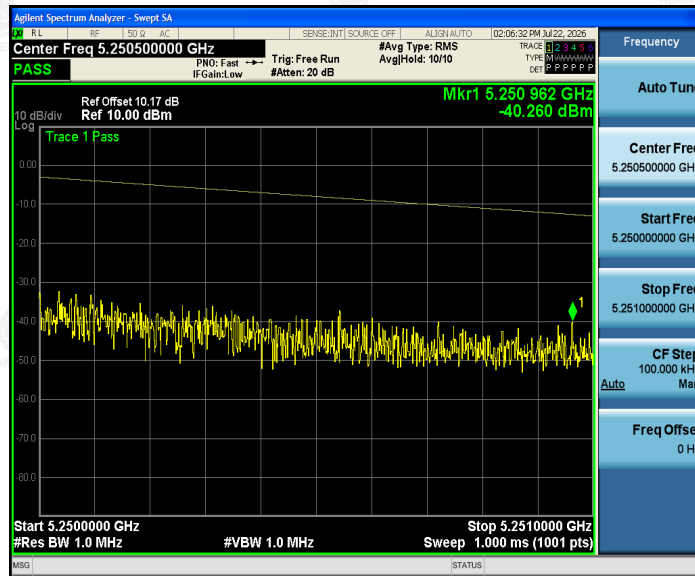
CH 46: 5230MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5141.6 \text{ MHz}$)



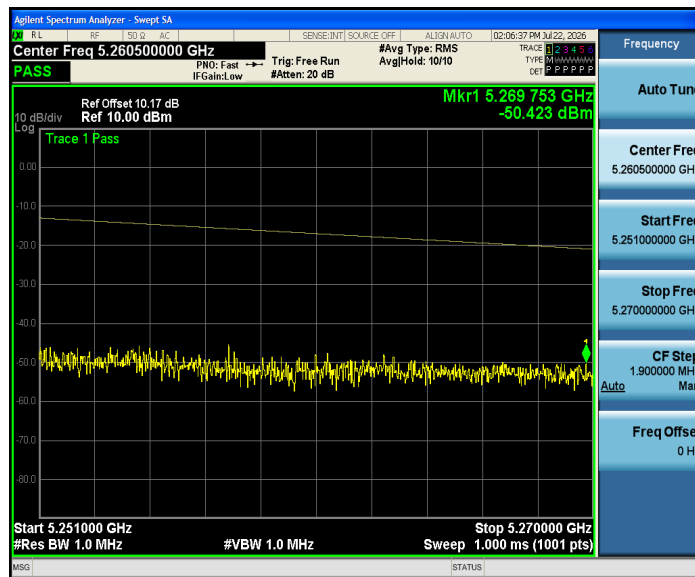
CH 46: 5230MHz - Frequency Band 2 ($5141.6 \text{ MHz} \leq f \leq 5150 \text{ MHz}$)



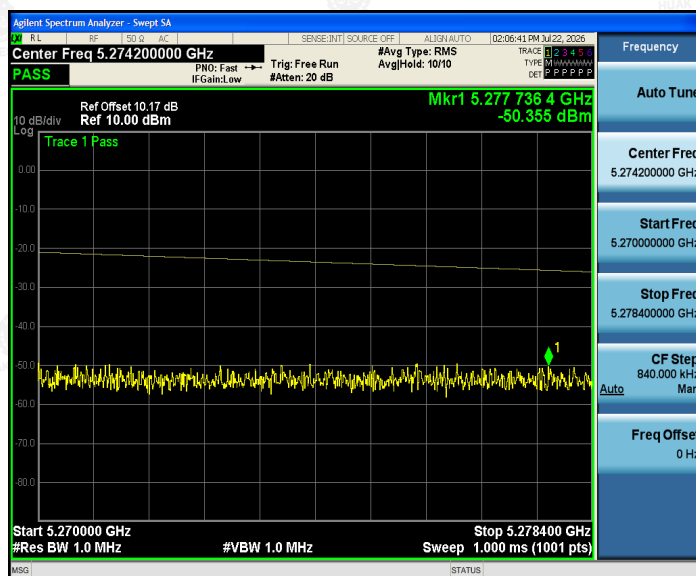
CH 46: 5230MHz - Frequency Band 3 ($5250 \text{ MHz} \leq f \leq 5251 \text{ MHz}$)



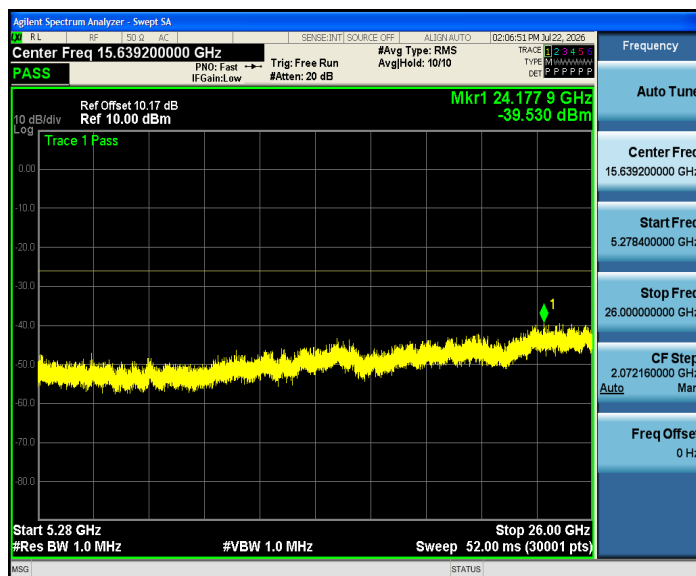
CH 46: 5230MHz - Frequency Band 4 ($5251 \text{ MHz} \leq f \leq 5270 \text{ MHz}$)



CH 46: 5230MHz - Frequency Band 5 ($5270 \text{ MHz} \leq f \leq 5278.4 \text{ MHz}$)



CH 46: 5230MHz - Frequency Band 6 ($5278.4 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



4.5 Limit of Secondary Radiated Emissions

4.5.1 Limit

Item	Limits	
RX Spurious Emission:	HT20	$\leq 4\text{nW}$ ($f < 1\text{GHz}$) $\leq 20\text{nW}$ ($1\text{GHz} \leq 26.5\text{GHz}$)
	HT40	$\leq 4\text{nW}$ ($f < 1\text{GHz}$) $\leq 20\text{nW}$ ($1\text{GHz} \leq 26.5\text{GHz}$)
	HT80	$\leq 4\text{nW}$ ($f < 1\text{GHz}$) $\leq 20\text{nW}$ ($1\text{GHz} \leq 26.5\text{GHz}$)

4.5.2 Measuring Instruments and Setting

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.5.3 Test Procedures

- EUT have the continuous reception mode and fixed only one channelize.
- Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) /
AT: Auto / Ref: Auto / Sweep time: Auto / Sweep Mode: Continuous sweep /
Detect mode: Positive peak / Trace mode: Max hold
- SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW
- SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW
- If power level of lower emissions are more than 1/10 of limit (0.4nW for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

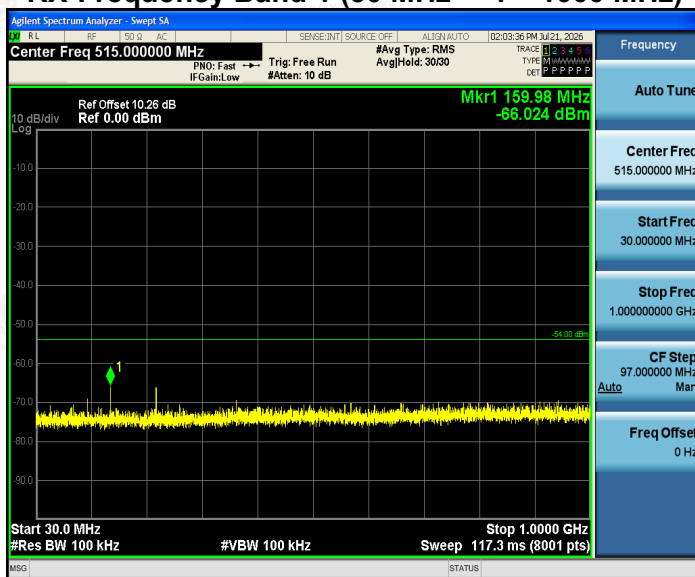
4.5.4 Test Result

EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25 ⁰ C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage		

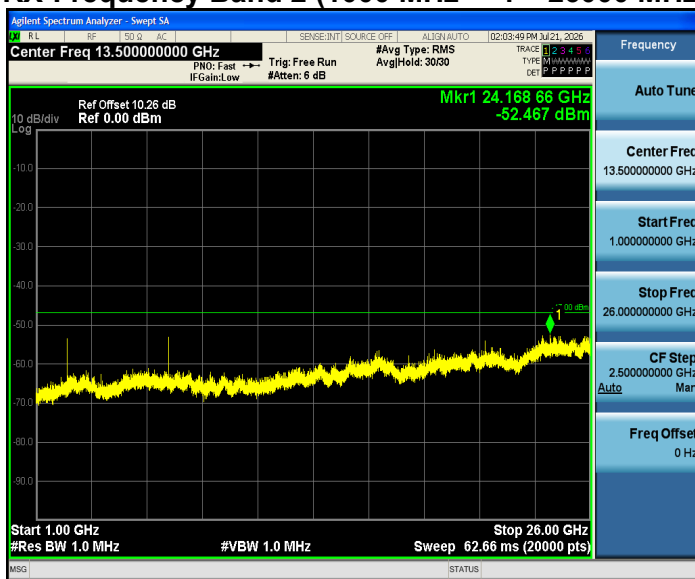
Test Mode	Test Channel	StartFre[MHz]	StopFre[MHz]	Test Fre [MHz]	Max.Fre [dBm]	Max.Level [nW]	Limit[nW]	Verdict
802.11a	5180	30	1000	159.98	-66.02	0.2500	<4	PASS
802.11a	5180	1000	26000	24168.66	-52.47	5.6624	<20	PASS
802.11a	5200	30	1000	159.98	-65.71	0.2685	<4	PASS
802.11a	5200	1000	26000	25777.49	-51.31	7.3961	<20	PASS
802.11a	5240	30	1000	240.01	-65.98	0.2523	<4	PASS
802.11a	5240	1000	26000	2413.82	-50.73	8.4528	<20	PASS
802.11n(HT20)	5180	30	1000	240.01	-66.03	0.2495	<4	PASS
802.11n(HT20)	5180	1000	26000	25717.49	-52.30	5.8884	<20	PASS
802.11n(HT20)	5200	30	1000	159.98	-66.51	0.2234	<4	PASS
802.11n(HT20)	5200	1000	26000	6986.55	-52.32	5.8614	<20	PASS
802.11n(HT20)	5240	30	1000	240.01	-66.29	0.2350	<4	PASS
802.11n(HT20)	5240	1000	26000	6986.55	-52.72	5.3456	<20	PASS
802.11n(HT40)	5190	30	1000	240.01	-66.29	0.2350	<4	PASS
802.11n(HT40)	5190	1000	26000	2413.82	-51.52	7.0469	<20	PASS
802.11n(HT40)	5230	30	1000	240.01	-65.70	0.2692	<4	PASS
802.11n(HT40)	5230	1000	26000	25766.24	-52.04	6.2517	<20	PASS

802.11a 5180MHz

RX-Frequency Band 1 ($30\text{ MHz} \leq f < 1000\text{ MHz}$)

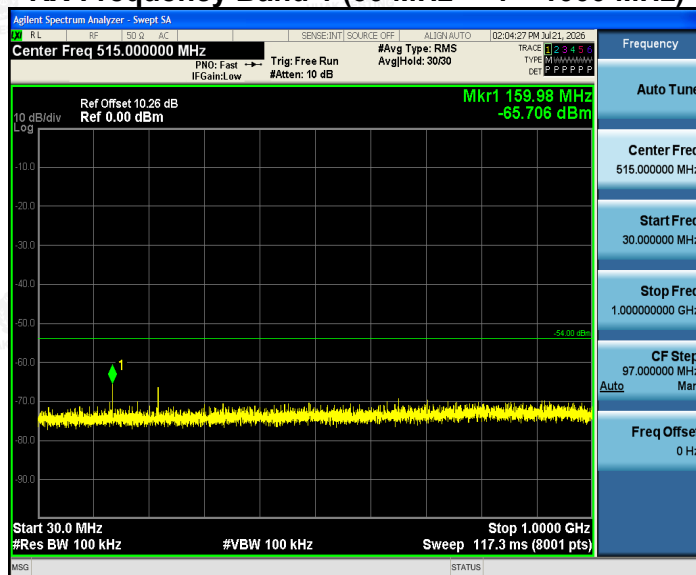


RX-Frequency Band 2 ($1000\text{ MHz} \leq f < 26000\text{ MHz}$)

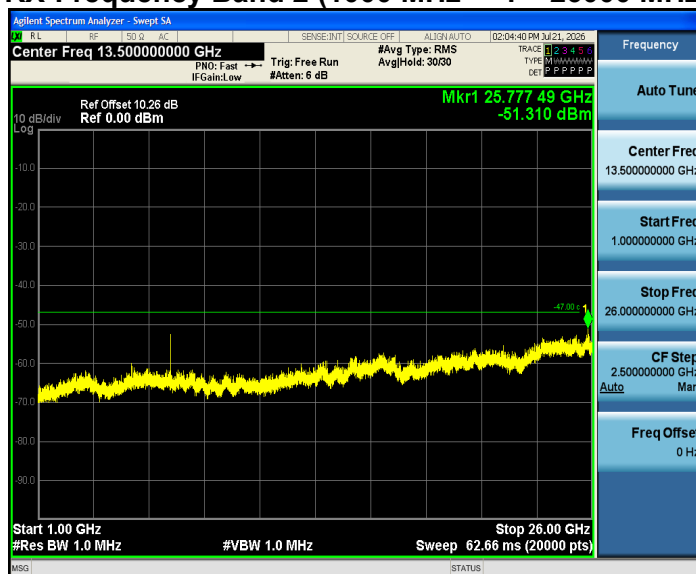


802.11a 5200MHz

RX-Frequency Band 1 ($30\text{ MHz} \leq f < 1000\text{ MHz}$)

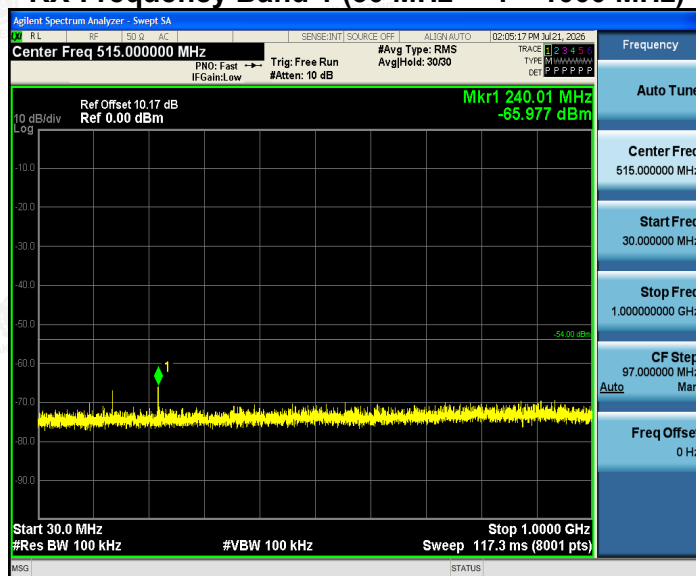


RX-Frequency Band 2 ($1000\text{ MHz} \leq f < 26000\text{ MHz}$)

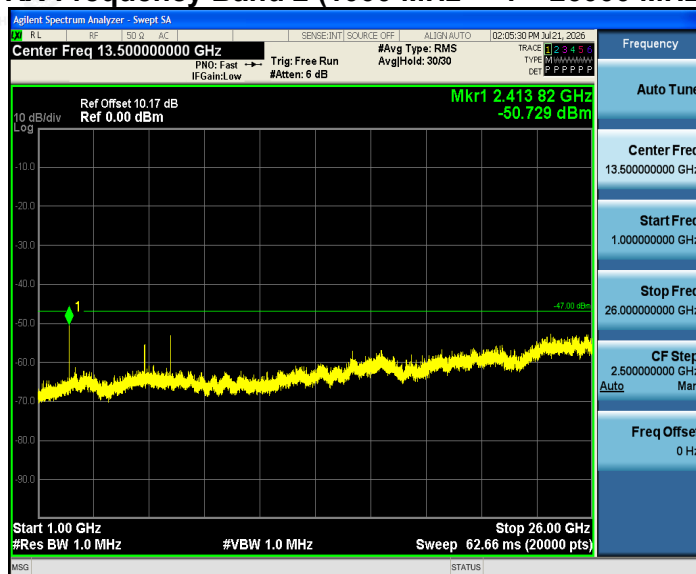


802.11a 5240MHz

RX-Frequency Band 1 ($30\text{ MHz} \leq f < 1000\text{ MHz}$)

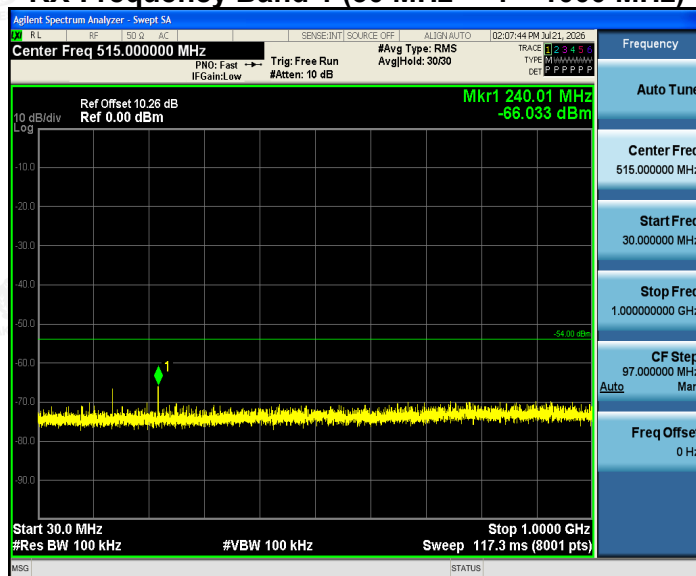


RX-Frequency Band 2 ($1000\text{ MHz} \leq f < 26000\text{ MHz}$)

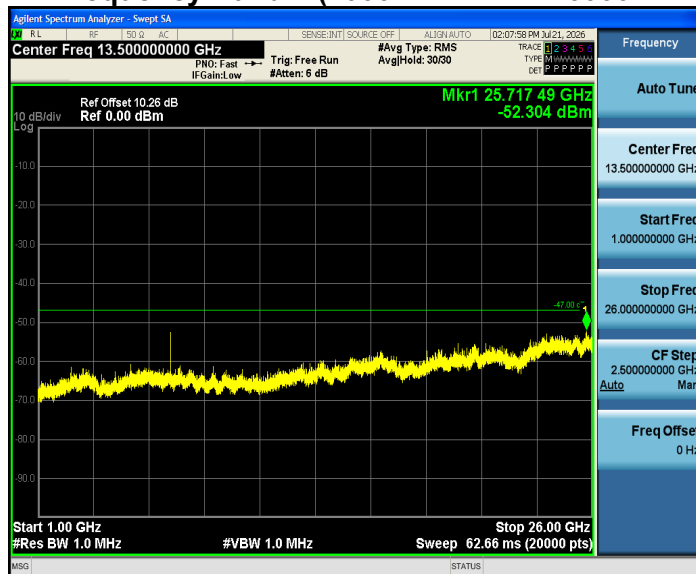


802.11n(HT20) 5180MHz

RX-Frequency Band 1 (30 MHz $\leq f < 1000$ MHz)

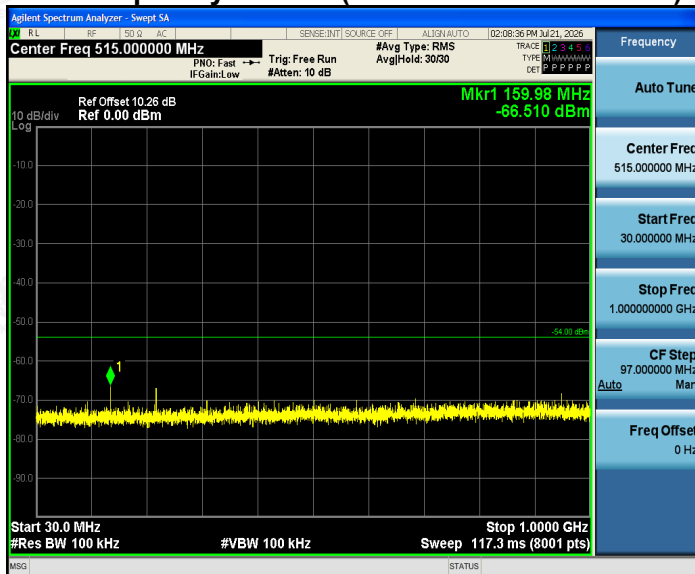


RX-Frequency Band 2 (1000 MHz $\leq f < 26000$ MHz)

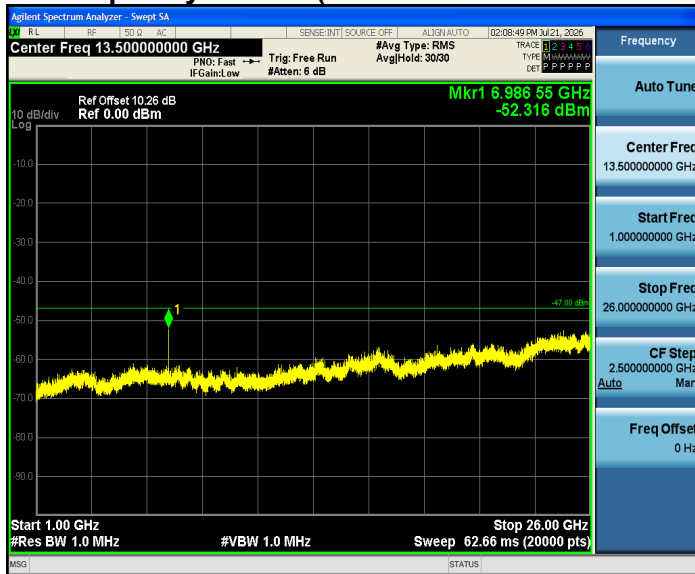


802.11n(HT20) 5200MHz

RX-Frequency Band 1 (30 MHz $\leq f < 1000$ MHz)

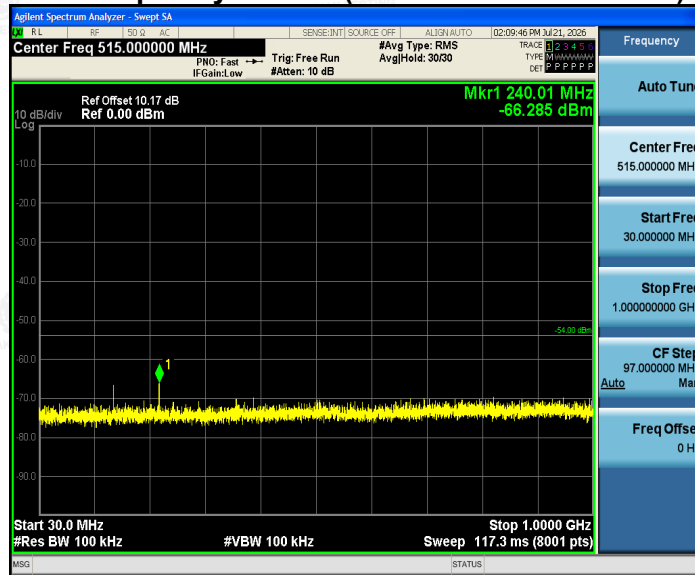


RX-Frequency Band 2 (1000 MHz $\leq f < 26000$ MHz)

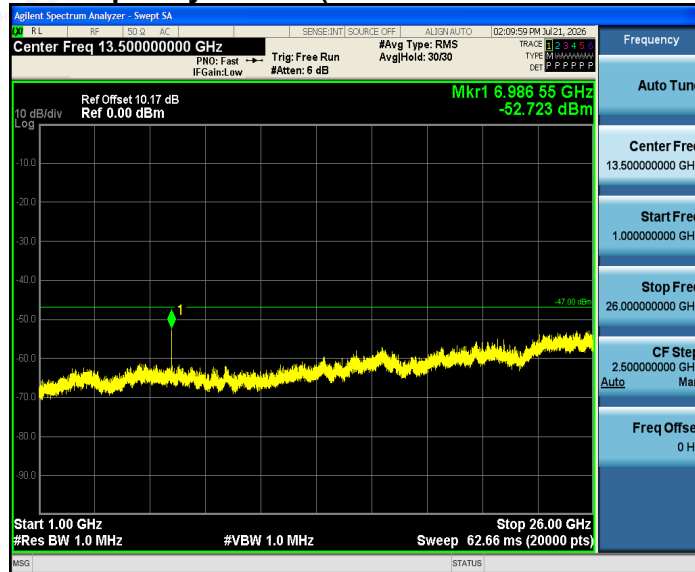


802.11n(HT20) 5240MHz

RX-Frequency Band 1 ($30\text{ MHz} \leq f < 1000\text{ MHz}$)

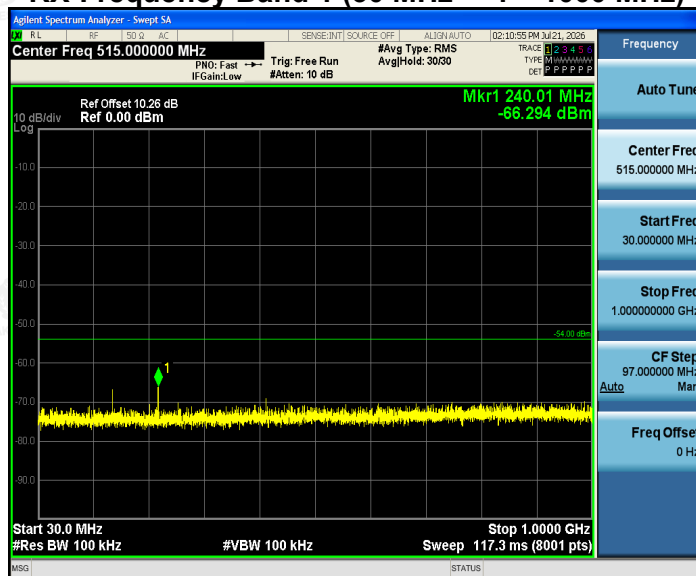


RX-Frequency Band 2 ($1000\text{ MHz} \leq f < 26000\text{ MHz}$)

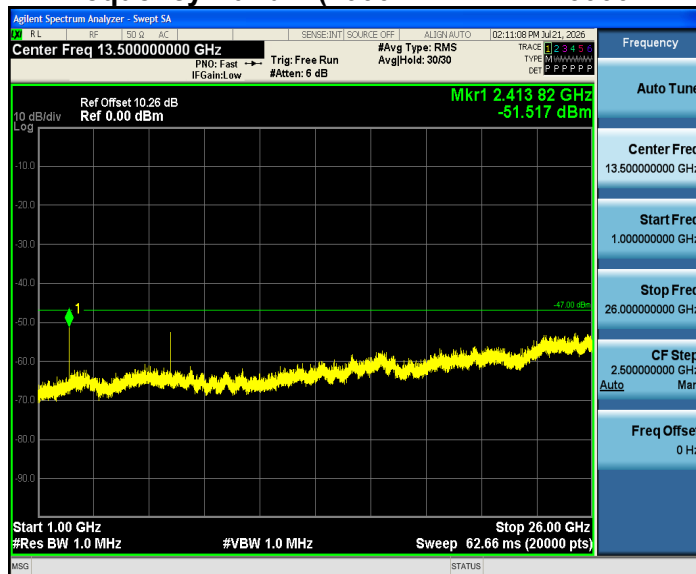


802.11n(HT40) 5190MHz

RX-Frequency Band 1 (30 MHz $\leq f < 1000$ MHz)

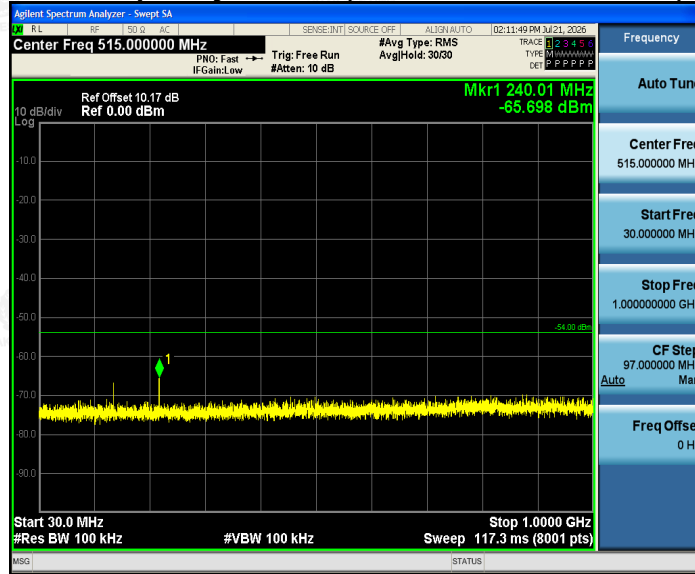


RX-Frequency Band 2 (1000 MHz $\leq f < 26000$ MHz)



802.11n(HT40) 5230MHz

RX-Frequency Band 1 ($30\text{ MHz} \leq f < 1000\text{ MHz}$)



RX-Frequency Band 2 ($1000\text{ MHz} \leq f < 26000\text{ MHz}$)



4.6 Radio Interference Prevention Capability Measurement

4.6.1 Limit

Item	Limits
Identification code	≥ 19 bits

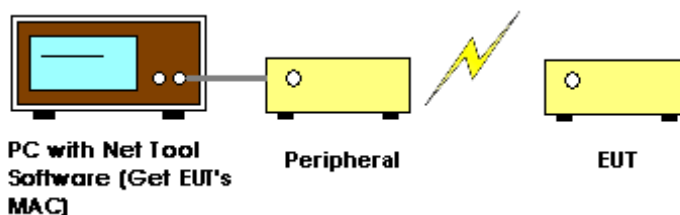
4.6.2 Measuring Id Code Software

Item	Limits
MAC IP List /49.20(3);j	MAC Scan

4.6.3 Test Procedures

1. In the case that the EUT has the function of automatically transmitting the identification code:
 - a. Transmit the predetermined identification codes form EUT.
 - b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification codes:
 - a. Transmit the predetermined identification codes form the counterpart.
 - b. Check if communication is normal.
 - c. Transmit the signals other than predetermined ID codes form the counterpart.
 - d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

4.6.4 Test Setup Layout



4.6.5 Test Deviation

There is no deviation with the original standard.

4.6.6 EUT Operation during Test

The EUT was programmed to be in normal transmitting mode.



4.6.7 Test Result of Radio Interference Prevention Capability

EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH		
Test result:	CONFORM (MAC IP LIST: B465DC28B886)		

Note: Represent the value of channel antenna meets the requirements.

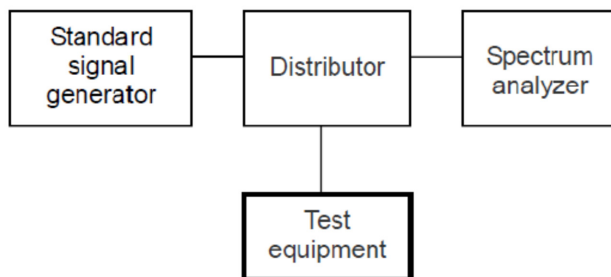
4.7 Carrier Sense Capability

4.7.1 Test Requirement

Test Requirement: Item 19-3 of Article 2-1

Shall not transmit radio wave when receiving over 100mV/m

Test Configuration: Test with test equipment only



4.7.2 Test Procedure

1) Test Conditions:

Spectrum Analyzer and signal generator is used for measurement.

2) EUT conditions:

Set the test equipment at the test frequency and the test spread code, and set it to the receiving mode, when using external test equipment, establish a connection

3) Set the standard signal generator as follows:

Carrier frequency: Center frequency of receiving frequency band of test equipment Modulation: No modulation (when the carrier sense function does not work by the un-modulated subcarrier in center frequency, shift the frequency or modulate if needed.)

Output level: In the antenna input unit of test equipment, field intensity is equivalent to the value which becomes 100mV/m.

4) Set the spectrum analyzer as follows:

Center frequency: Center frequency of the bandwidth used.

Sweep frequency band: 50MHz

Resolution bandwidth: Approximately 1 MHz

Video bandwidth: Approximately same as the resolution bandwidth

Y-axis scale: 10dB/Div

Trigger condition: Free-run

Detective mode: Positive peak

5) Measuring operation

(1) Test with test equipment only: Set the test equipment to the transmitting operation with the output of standard signal generator OFF, and confirm that it emits radio wave, using spectrum analyzer.

(2) Set the test equipment to the receiving mode.

(3) Set the test equipment to the transmitting operation with the output of standard signal generator ON, and confirm that it does not emit radio wave, using spectrum analyzer.

4.7.3 Test Result

EUT:	Wireless Display Adapter	Test Date:	Jul. 21, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH		
Test result:	The product shall not transmit radio wave when receiving over 100mV/m. The unit does meet the requirements		

4.8 Adjacent Channel Power

4.8.1 Limit

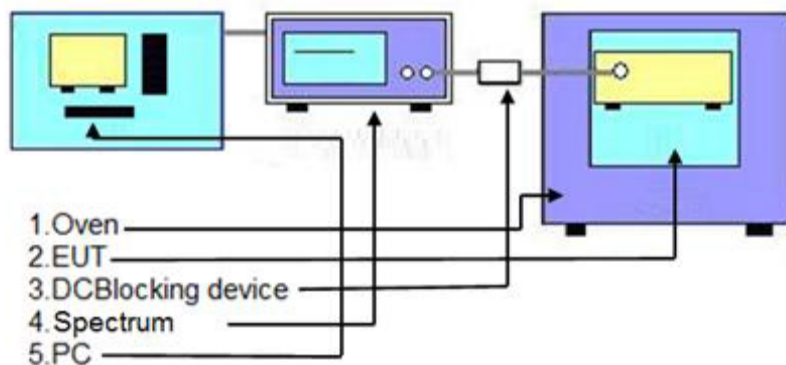
Item	Limits		
Adjacent Channel Power	HT20	$F_c \pm 20M$	$> 25dBc$
		$F_c \pm 40M$	$> 40dBc$
	HT40	$F_c \pm 40M$	$> 25dBc$
		$F_c \pm 80M$	$> 40dBc$
	HT80	$F_c \pm 80M$	$> 25dBc$

4.8.2 Measuring Instruments and Setting

Test Procedures

- Setting of SA is following as: 802.11a/n RB: 300KHz / VB: 300KHz / SPAN: 120/240MHz / AT: 20dB Ref: 10dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: detector mode Positive peak Trace mode: Max hold Sweep Time Auto
- Configure EUT and assistant system according to clause 2.3 and 4.8.3
- Spread Spectrum Factor = Spread Spectrum Bandwidth / modulation rate of EUT.
- Set EUT work in test mode as described in clause 2.4

4.8.3 Test Setup Layout



4.8.4 Test Deviation

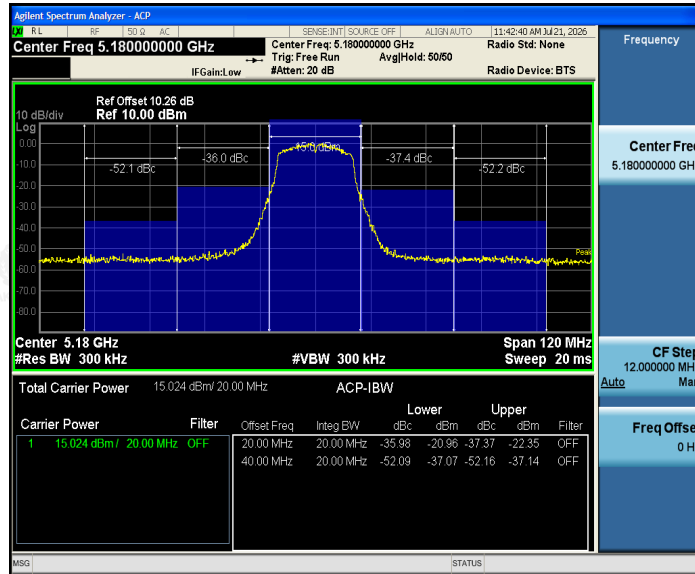
There is no deviation with the original standard.

4.8.5 EUT Operation during Test

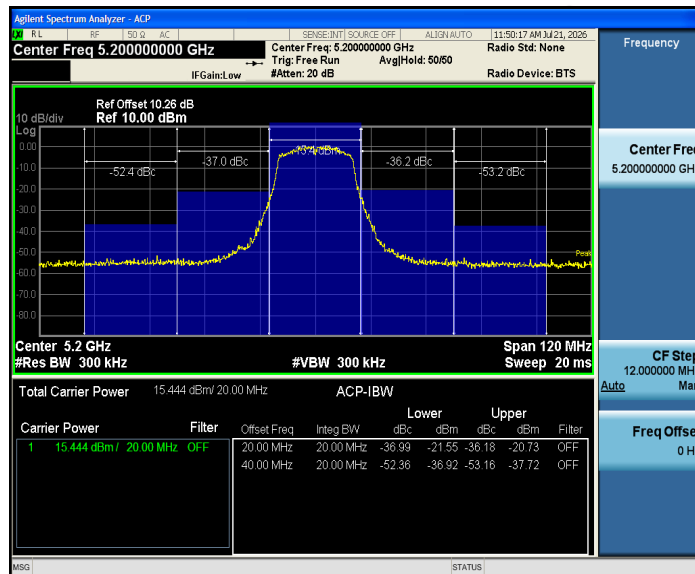
The EUT was programmed to be in continuously transmitting mode.

4.8.6 Test Result

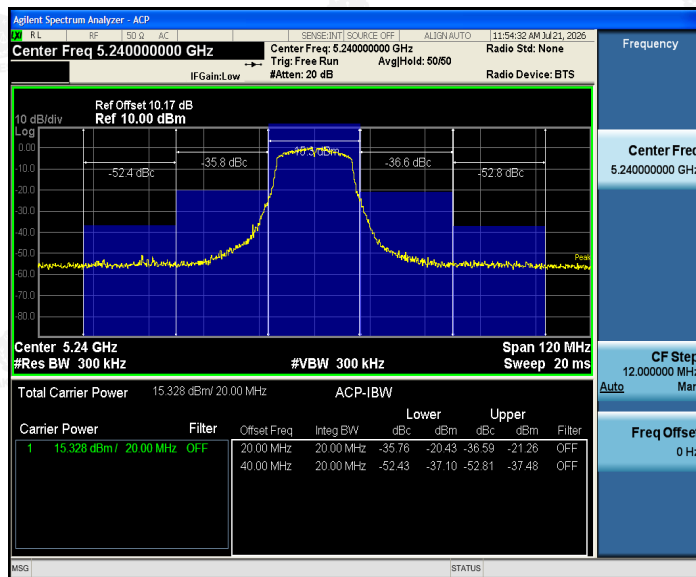
802.11a 5180MHz



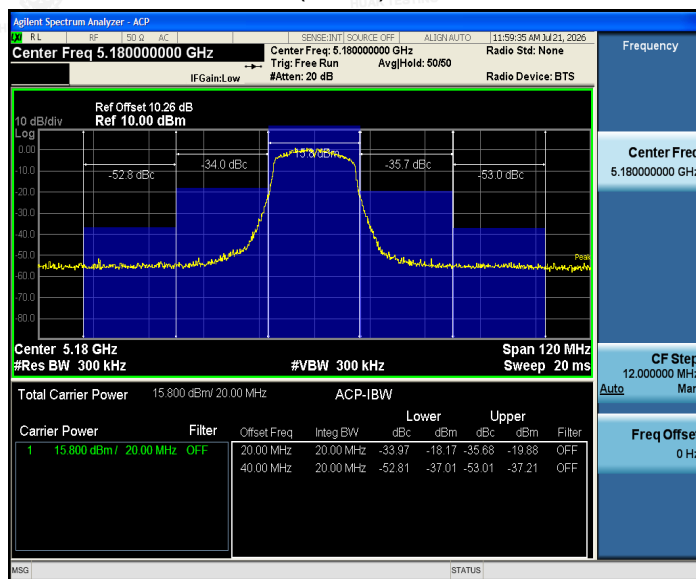
802.11a 5200MHz



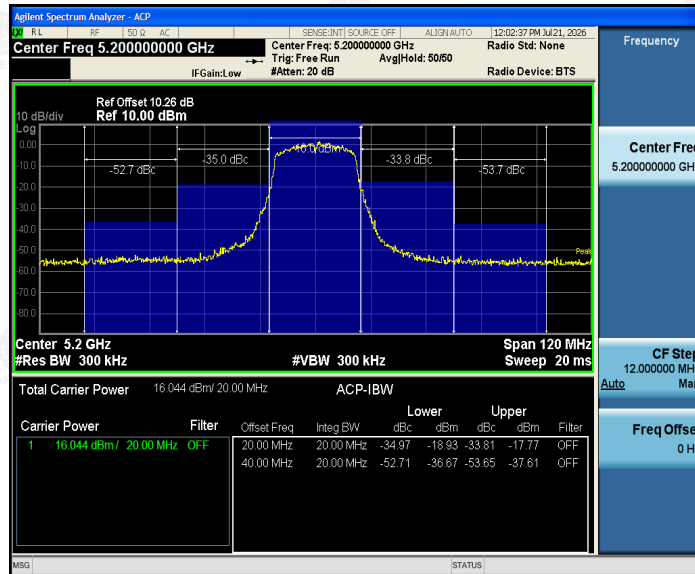
802.11a 5240MHz



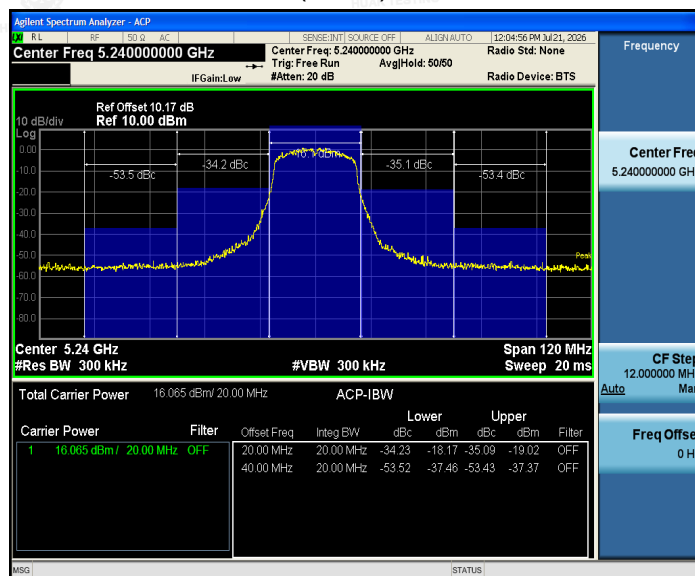
802.11n(HT20) 5180MHz



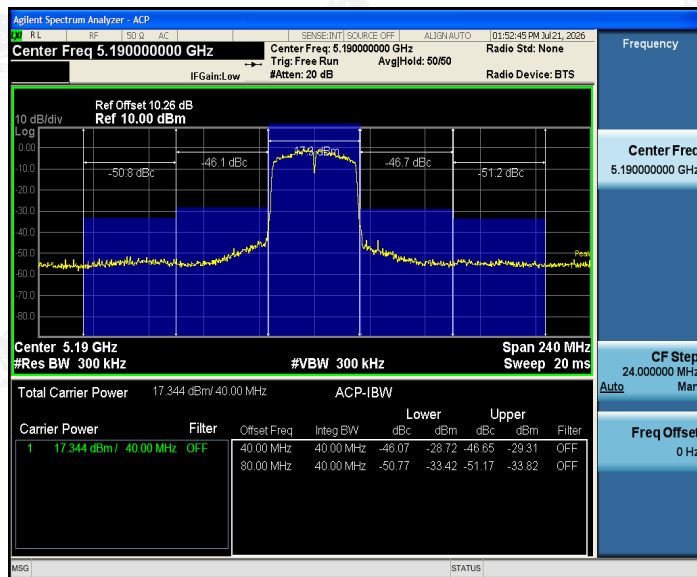
802.11n(HT20) 5200MHz



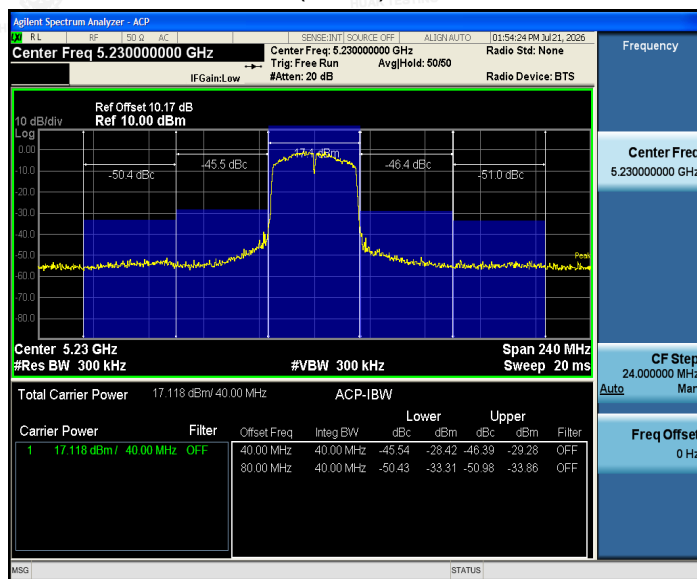
802.11n(HT20) 5240MHz



802.11n(HT40) 5190MHz



802.11n(HT40) 5230MHz



4.9 Transmission Burst Length

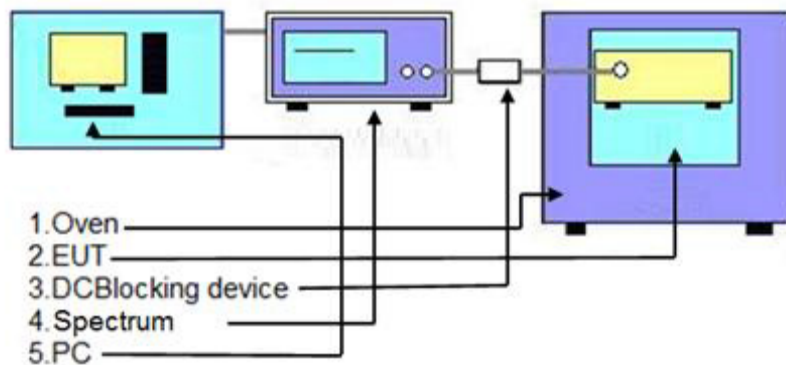
4.9.1 Limit

Item	Limits
Transmission Burst Length	8ms or less

4.9.2 Measuring Instruments and Setting

1. Connected the EUT's Antenna port to the Spectrum Analyzer by suitable attenuator,
Setting of SA is following as: 802.11a/n RB: 1MHz / VB:1MHz / SPAN: 0Hz / AT: 40dB Ref:30dBm / Sweep time: Auto / Sweep Mode: $\geq 8\text{ms}$ / Detect mode: Positive peak Trace mode: Max hold
2. Configure EUT and assistant system according clause 2.3 and 4.9.3
3. Set EUT work in test mode as described in clause 2.4

4.9.3 Test Setup Layout



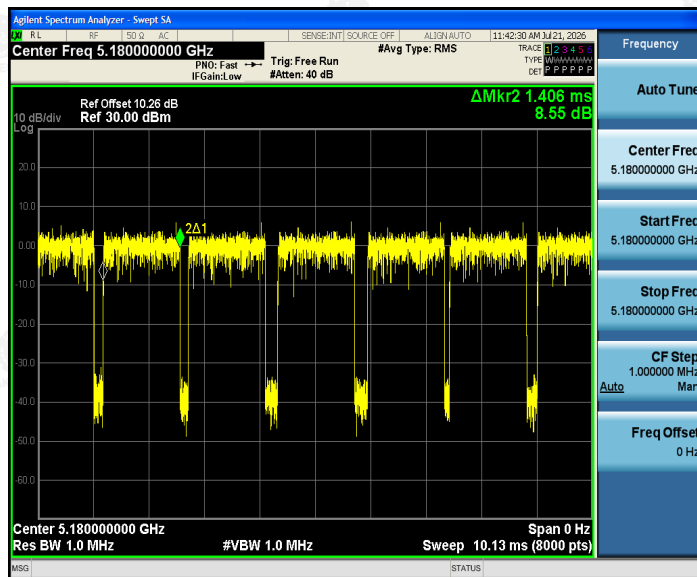


4.9.4 EUT Operation during Test

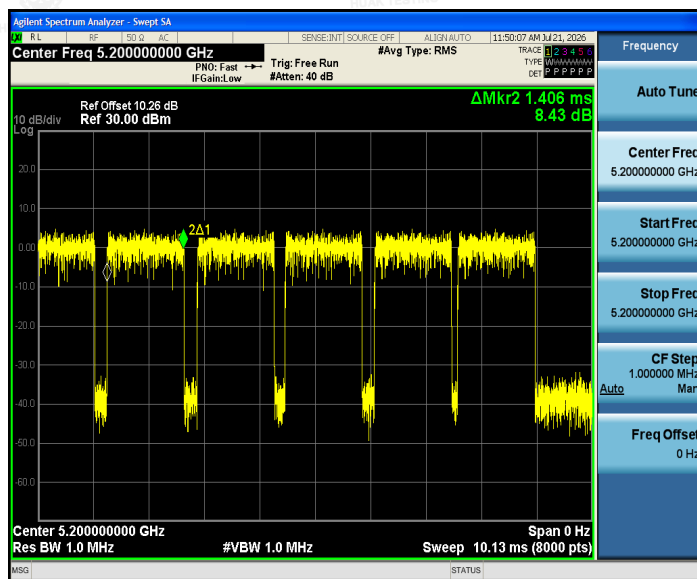
The EUT was programmed to be in continuously transmitting mode.

Test Mode	CH	Result(ms)	Limit(ms)	Verdict
802.11a	CH 36	1.406	<8	PASS
802.11a	CH 40	1.406	<8	PASS
802.11a	CH 48	1.407	<8	PASS
802.11n(HT20)	CH 36	1.314	<8	PASS
802.11n(HT20)	CH 40	1.315	<8	PASS
802.11n(HT20)	CH 48	1.314	<8	PASS
802.11n(HT40)	CH 38	0.6498	<8	PASS
802.11n(HT40)	CH 46	0.6523	<8	PASS

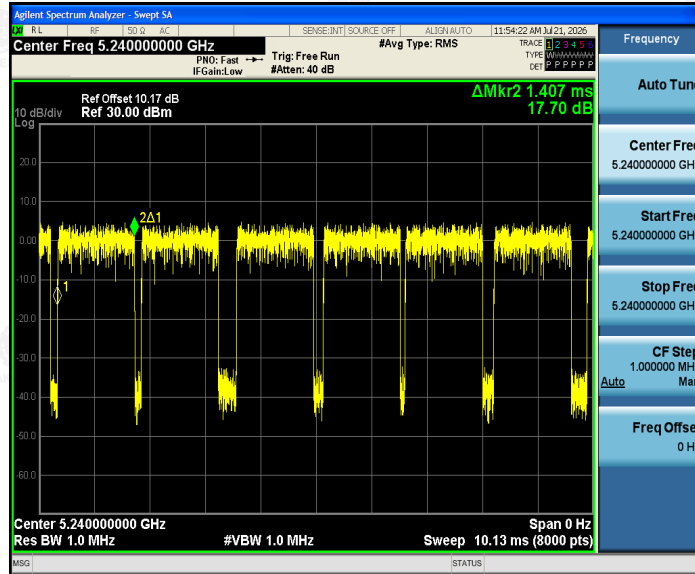
802.11a 5180MHz



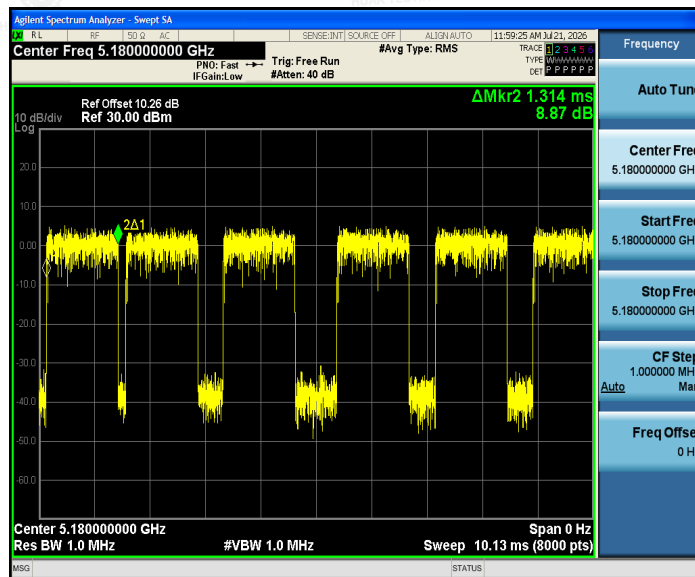
802.11a 5200MHz



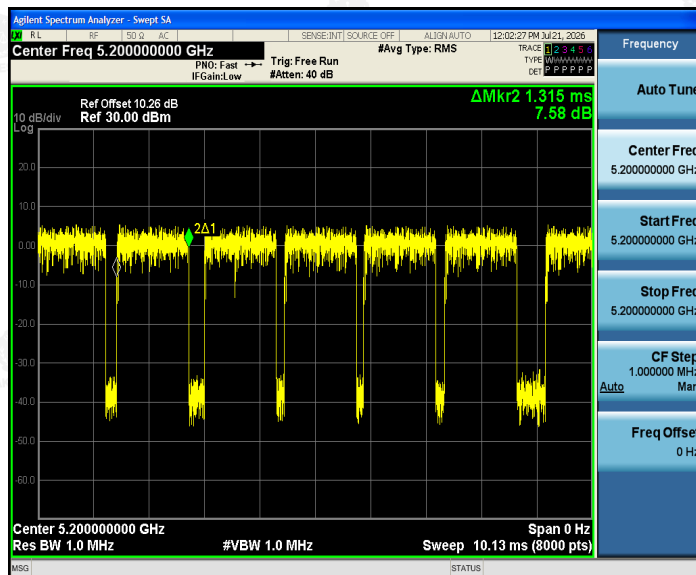
802.11a 5240MHz



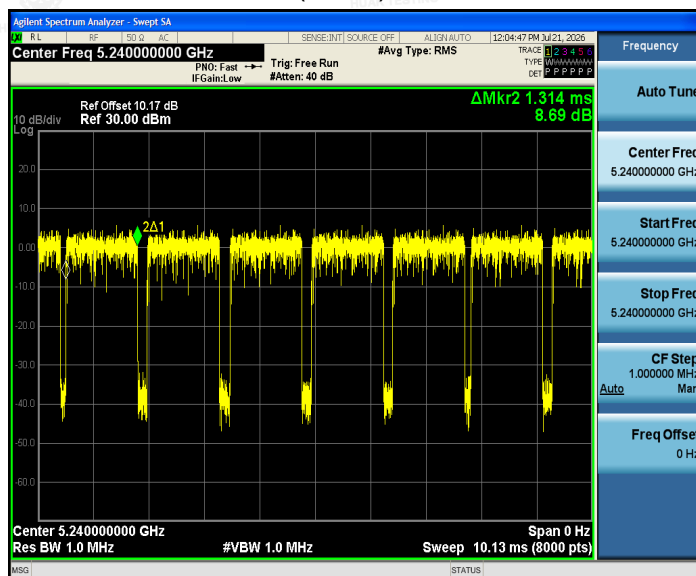
802.11n(HT20) 5180MHz



802.11n(HT20) 5200MHz



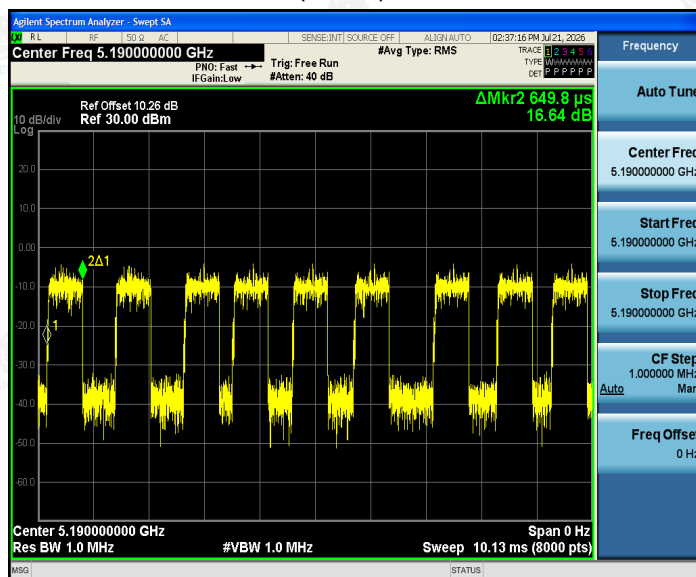
802.11n(HT20) 5240MHz



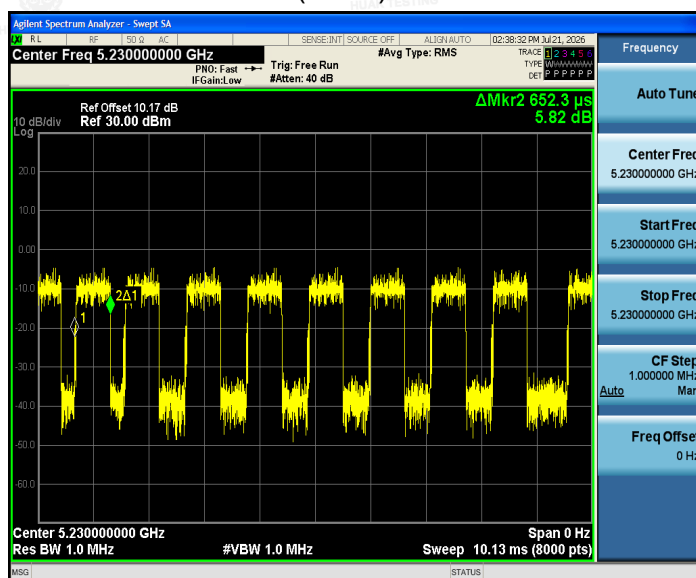
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 15 days only. The document is issued by Shenzhen HUAK Testing Technology Co., Ltd., this document cannot be reproduced except in full with our prior written permission.

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Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

802.11n(HT40) 5190MHz



802.11n(HT40) 5230MHz



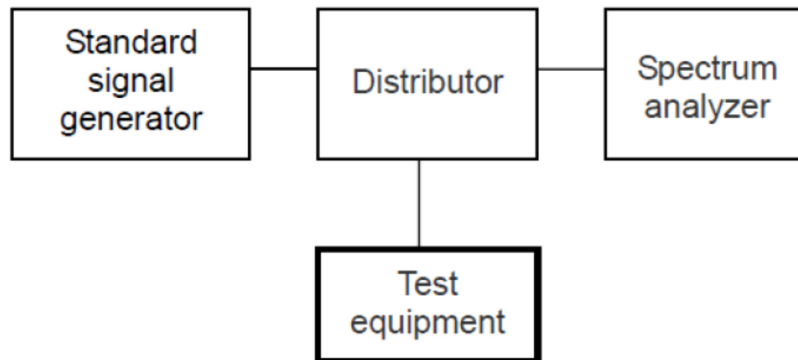
4.10 Interference Prevention Function

4.10.1 Test Requirement

Test Requirement: Item 19-3 of Article 2-1

Shall not transmit radio wave when receiving over 100mV/m

Test Configuration: **Test with test equipment only**



4.10.2 Test Procedure

1) Test Conditions:

Spectrum Analyzer and signal generator is used for measurement.

2) EUT conditions:

Set the test equipment at the test frequency and the test spread code, and set it to the receiving mode, when using external test equipment, establish a connection

3) Set the standard signal generator as follows:

Carrier frequency: Center frequency of receiving frequency band of test equipment

Modulation: No modulation (when the carrier sense function does not work by the un-modulated subcarrier in center frequency, shift the frequency or modulate if needed.)

Output level: In the antenna input unit of test equipment, field intensity is equivalent to the value which becomes 100mV/m.

4) Set the spectrum analyzer as follows:

Center frequency: Center frequency of the bandwidth used.

Sweep frequency band: 50MHz

Resolution bandwidth: Approximately 1 MHz

Video bandwidth: Approximately same as the resolution bandwidth

Y-axis scale: 10dB/Div

Trigger condition: Free-run

Detective mode: Positive peak

5) Measuring operation

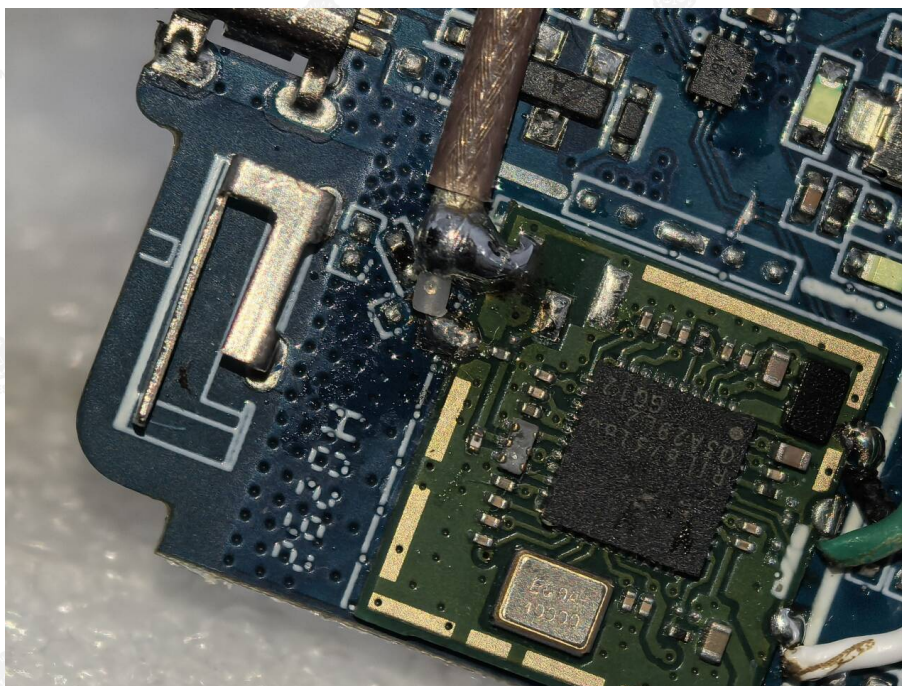
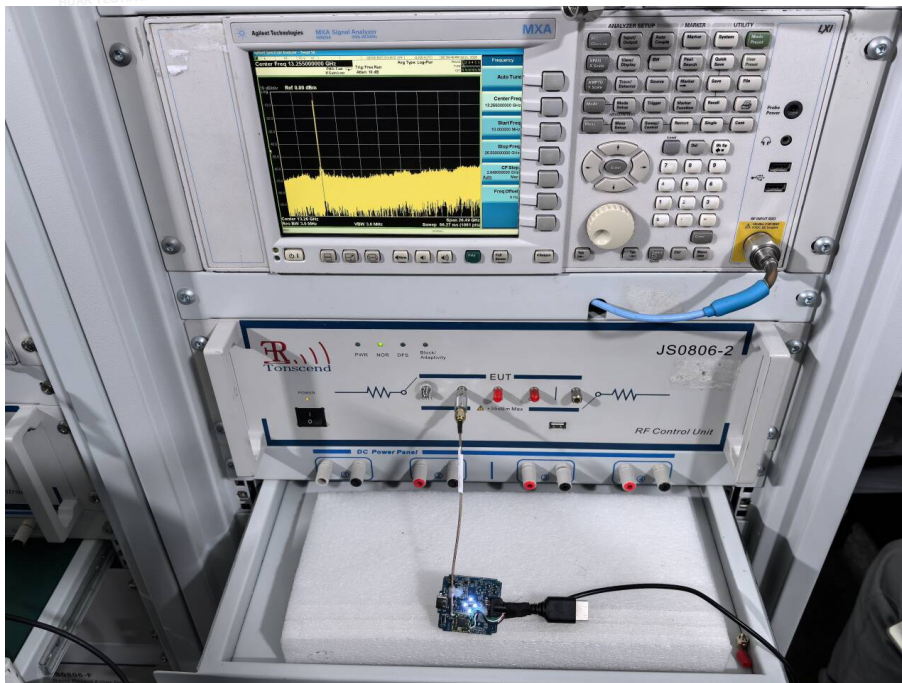
- (1) Test with test equipment only: Set the test equipment to the transmitting operation with the output of standard signal generator OFF, and confirm that it emits radio wave, using spectrum analyzer.
- (2) Set the test equipment to the receiving mode.
- (3) Set the test equipment to the transmitting operation with the output of standard signal generator ON, and confirm that it does not emit radio wave, using spectrum analyzer.

4.10.3 Test Result

The product shall not transmit radio wave when receiving over 100mV/m. The unit does meet the requirements

5. Test Setup Photos of the EUT

Measurement Photos



6. Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos

-----End of report-----