

Japan Test Report

**Test Report
On Behalf of
Princeton Ltd.
For
Air Reflector
Model No.: PTF-HW241W-BK**

Prepared For: **Princeton Ltd.**
**Shimbashi Tokyu Building 5F, 4-21-3 Shimbashi, Minato-ku, Tokyo 105-0004,
Japan**

Prepared By: **Shenzhen HUAKE Testing Technology Co., Ltd.**
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Date of Test: **Dec. 26, 2025 ~ Jan. 12, 2026**

Date of Report: **Jan. 12, 2026**

Report Number: **HK2512266640-4E**

Test Result Certification

Applicant's Name : Princeton Ltd.

Address : Shimbashi Tokyu Building 5F, 4-21-3 Shimbashi, Minato-ku,
Tokyo 105-0004, Japan

Manufacturer's Name : Princeton Ltd.

Address : Shimbashi Tokyu Building 5F, 4-21-3 Shimbashi, Minato-ku,
Tokyo 105-0004, Japan

Product Description

Trade Mark : Princeton

Product Name : Air Reflector

Model And/Or Type Reference: PTF-HW241W-BK

Standards : Article 2 paragraph 1 item (19)-3

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Date of Test

Date (s) of performance of tests : Dec. 26, 2025 ~ Jan. 12, 2026

Date of Issue : Jan. 12, 2026

Test Result : Pass

Testing Engineer

Len Liao

Len Liao

Technical Manager

Sliver Wan

Sliver Wan

Authorized Signatory

Jason Zhou

Jason Zhou



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**** Issued History ****

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	Jan. 12, 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 item (19)-3-2
- (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	Conducted Emission Test	$\pm 2.71\text{dB}$
2	Radiated Emission Test	$\pm 3.35\text{dB}$
3	RF power, conducted	$\pm 0.37\text{dB}$
4	Spurious emissions ,conducted	$\pm 0.11\text{dB}$
5	All emissions, radiated(<1G)	$\pm 3.90\text{dB}$
6	All emissions, radiated(>1G)	$\pm 4.28\text{dB}$

2. General Information

2.1 General Description of EUT

Equipment	Air Reflector
Model Name	PTF-HW241W-BK
Series Model(s)	N/A
Model Difference	N/A
Operation Frequency	802.11a/n/ac (HT20):5.500GHz-5.700GHz 802.11a/n/ac (HT40):5.510GHz-5.670GHz 802.11ac (HT80):5.530GHz-5.610GHz
Modulation Type	IEEE for 802.11a/n/ac: OFDM(BPSK/QPSK/16QAM, 64QAM, 256QAM)
Bit Rate of Transmitter	802.11a/n/ac (20MHz): 65/58.5/52/39/26/19.5/13/6.5 Mbps 802.11n/ac (40MHz): 135/121.5/108/81/54/40.5/37/13.5 Mbps 802.11ac (80MHz): 150/135/121.5/108/81/54/40.5/37/13.5 Mbps
Antenna Type	FPC Antenna
Antenna Gain	ANT1: 2.51 dBi ANT2: 2.88 dBi MIMO: 5.71dBi
Power Source	AC 100V
Power Rating	AC 100V
Firmware Version	REV01
Hardware Version	REV01

Note:

- The EUT incorporates a MIMO function. Physically, it provides two completed transmitters and receivers (2T2R), two transmit signals are completely correlated, then, Direction gain= GANT + Array Gain (Array Gain=10 log(2) dB).
- For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- Antenna gain Refer to the antenna specifications.
- The cable loss data is obtained from the supplier.
- The test results in the report only apply to the tested sample.

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	FPC Antenna	N/A	2.51	
2	N/A	N/A	FPC Antenna	N/A	2.88	

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.

2.2 Operation Frequency of channel

Channel List for 802.11a/n/ac (HT20)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	118	5600	140	5700
144	5720						

Channel List for 802.11n/ac (HT40)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	110	5550
134	5670	142	5710

Channel List for 802.11ac (HT80)			
Channel	Frequency(MHz)	Channel	Frequency (MHz)
106	5530	122	5610
138	5690		

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

5.6G

For 802.11a/n/ac (HT20)	
Channel	Frequency
100	5500
116	5580
140	5700

For 802.11n/ac (HT40)	
Channel	Frequency
102	5510
110	5550
134	5670

For 802.11ac (HT80)	
Channel	Frequency
106	5530
122	5610

This device does not support TPC

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 CH100&CH116&CH140	6 Mbps
Mode 2	TX IEEE 802.11n HT20 CH100&CH116&CH140	MCS 0
Mode 3	TX IEEE 802.11n HT40 CH102&CH110&CH134	MCS 0
Mode 4	TX IEEE 802.11ac20 CH100&CH116&CH140	NSS1 MCS0
Mode 5	TX IEEE 802.11ac40 CH102&CH110&CH134	NSS1 MCS0
Mode 6	TX IEEE 802.11ac80 CH106&CH122	NSS1 MCS0

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	AC90V	DC3.31V
	AC100V	DC3.30V
	AC110V	DC3.30V
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.

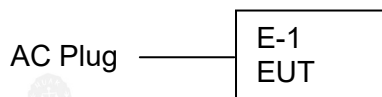
Test Software Version	Ssh, Telnet And Rlogin Client (.exe) 0.63.10029.0		
Frequency	5500MHz	5580MHz	5700MHz
IEEE 802.11a	DE9	DE9	DE9
IEEE 802.11n (20M)	DE8	DE8	DE8
IEEE 802.11ac (20M)	DE8	DE8	DE8

Frequency	5510MHz	5550MHz	5670 MHz
IEEE 802.11n(40M)	DE3	DE3	DE3
IEEE 802.11ac(40M)	DE3	DE3	DE3

Frequency	5530MHz	5610MHz
IEEE 802.11ac(80M)	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	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Air Reflector	Princeton	PTF-HW241W-BK	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 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	2025/02/19	1 Year
2	Spectrum analyzer	R&S	Guangzhou LiSai Metrology & Test Co., Ltd.	FSV3044	25984	HKE-126	2025/02/19	1 Year
3	RF Automatic control unit	Tonscend	Guangzhou LiSai Metrology & Test Co., Ltd.	JS0806-2	71557	HKE-060	2025/02/19	1 Year
4	High pass filter unit	Tonscend	Guangzhou LiSai Metrology & Test Co., Ltd.	JS0806-F	17155	HKE-055	2025/02/19	1 Year
5	Wireless Communication Test Set	R&S	Guangzhou LiSai Metrology & Test Co., Ltd.	CMU200	105255	HKE-026	2025/02/19	1 Year
6	Wireless Communication Test Set	R&S	Guangzhou LiSai Metrology & Test Co., Ltd.	CMW500	103974	HKE-027	2025/02/19	1 Year
7	RF Test Software	Tonscend	/	JS1120-3 Version 3.5.39	/	HKE-083	/	/
8	Signal generator	Agilent	Guangzhou LiSai Metrology & Test Co., Ltd.	HKE-029	/	2025/02/19	2026/02/18	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. The RF IC is soldered on the PCB, It is packaged in BGA technology and is not easy to disassemble and move. 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.

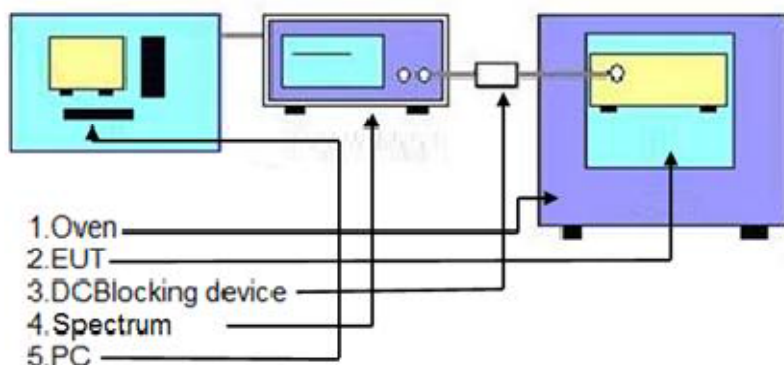
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

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.

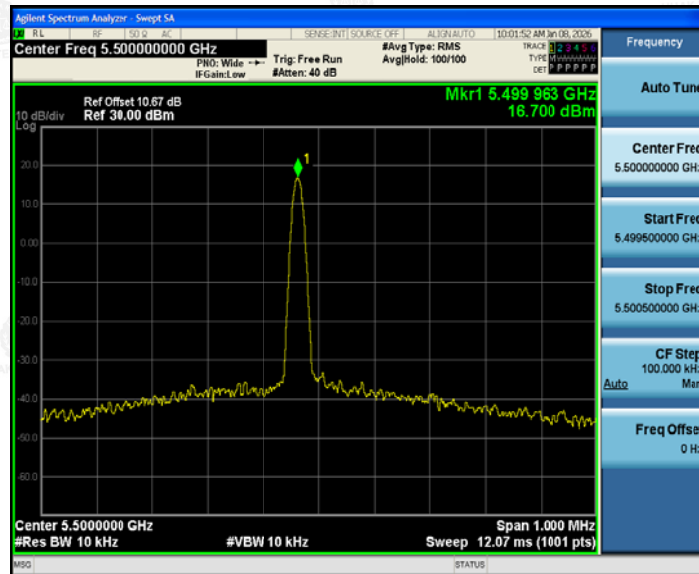
4.1.6 Test Result

EUT:	Air Reflector	Test Date:	Jan. 07, 2026
Temperature:	25 ⁰ C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage- Carrier Tx Mode		

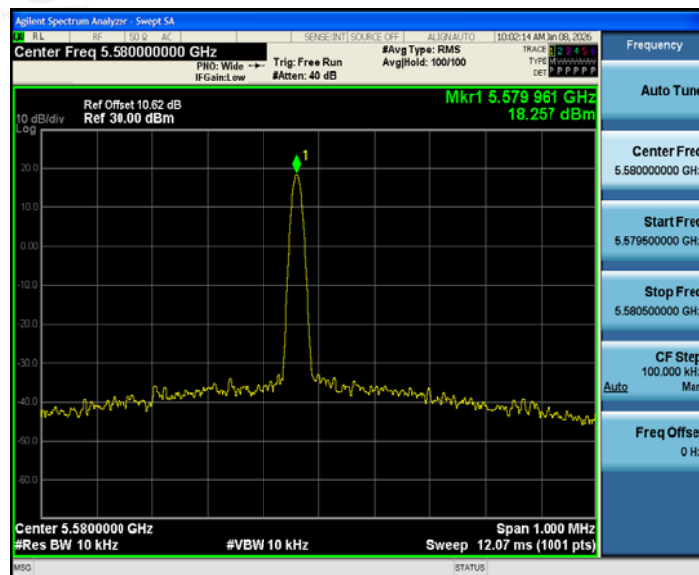
For ANT.1

Frequency (MHz)	Measured	Tolerance	Result	Limit
	MHz	MHz	ppm	ppm
5500	5499.963	-0.037	-6.72727	+/-20
5580	5579.961	-0.039	-6.98925	+/-20
5700	5699.96	-0.040	-7.01754	+/-20
5510	5509.961	-0.039	-7.07804	+/-20
5550	5549.961	-0.039	-7.02703	+/-20
5670	5669.96	-0.040	-7.05467	+/-20
5530	5529.961	-0.039	-7.05244	+/-20
5610	5609.959	-0.041	-7.30838	+/-20
Conclusion: PASS				

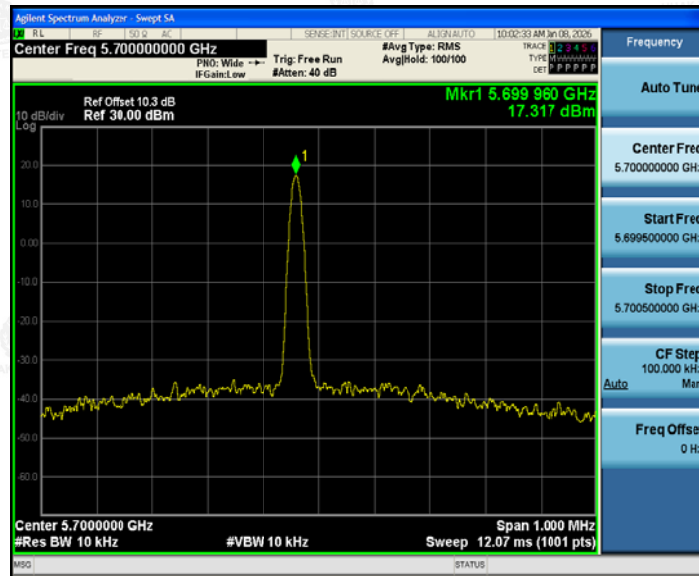
CH100: 5500MHz



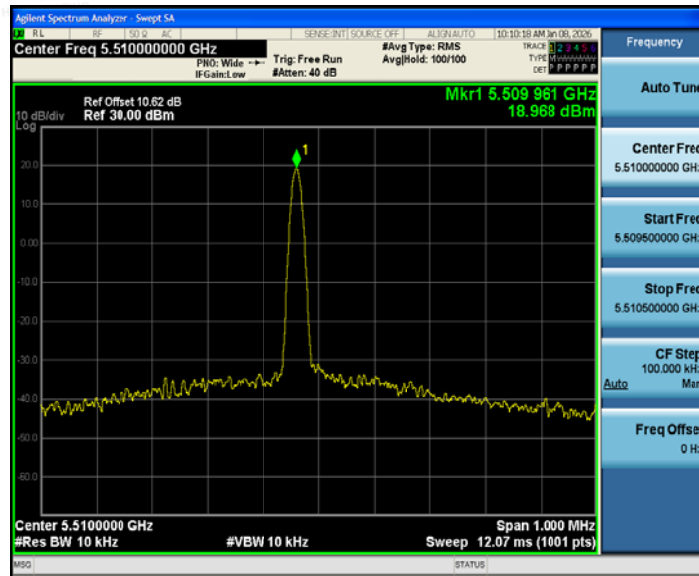
CH116: 5580MHz



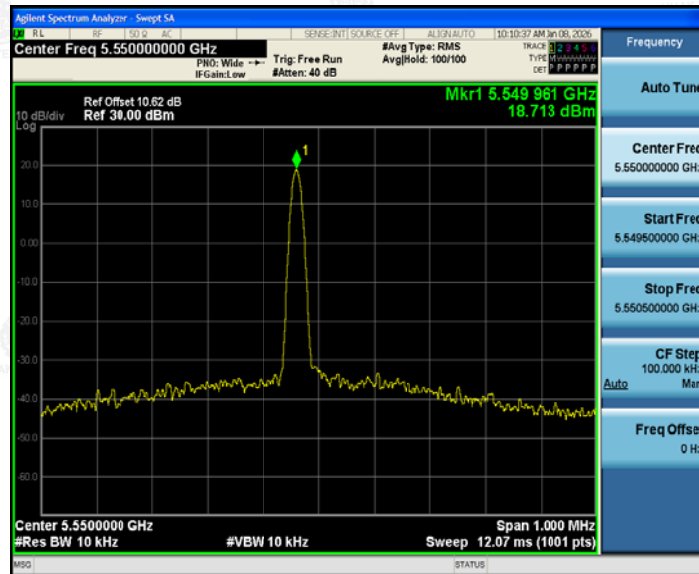
CH140: 5700MHz



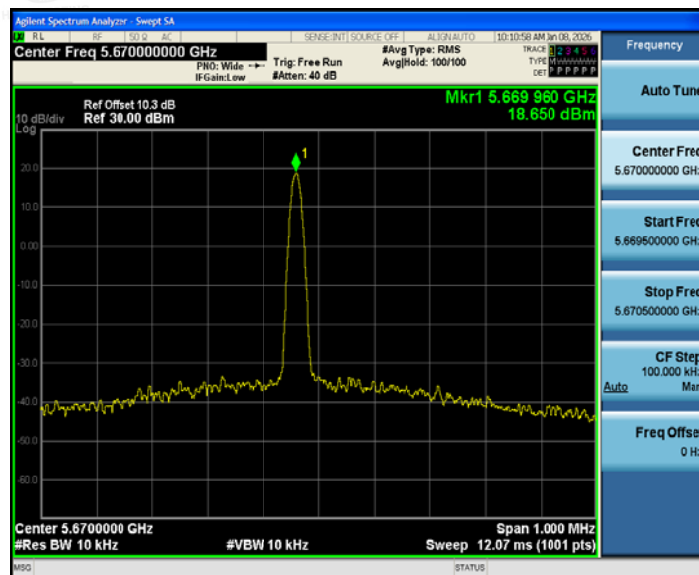
CH102: 5510MHz



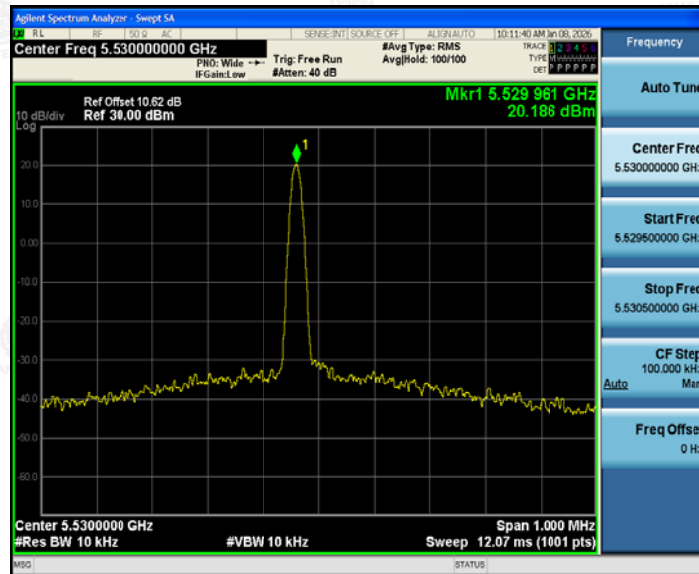
CH110: 5550MHz



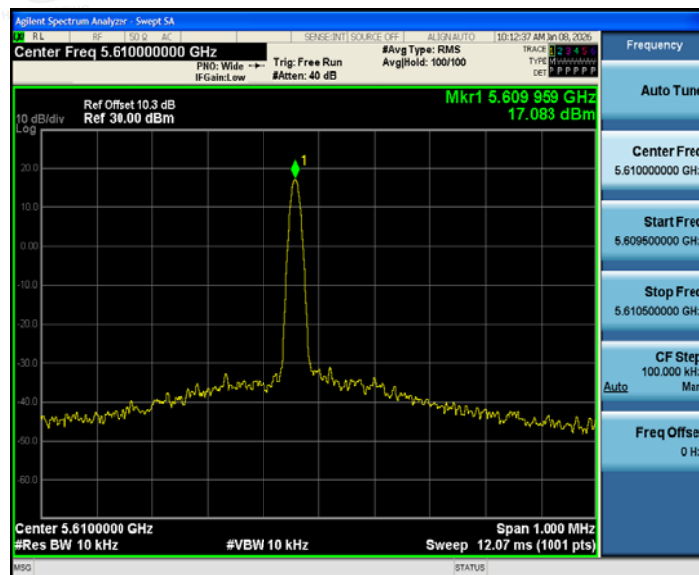
CH134: 5670MHz



CH106: 5530MHz



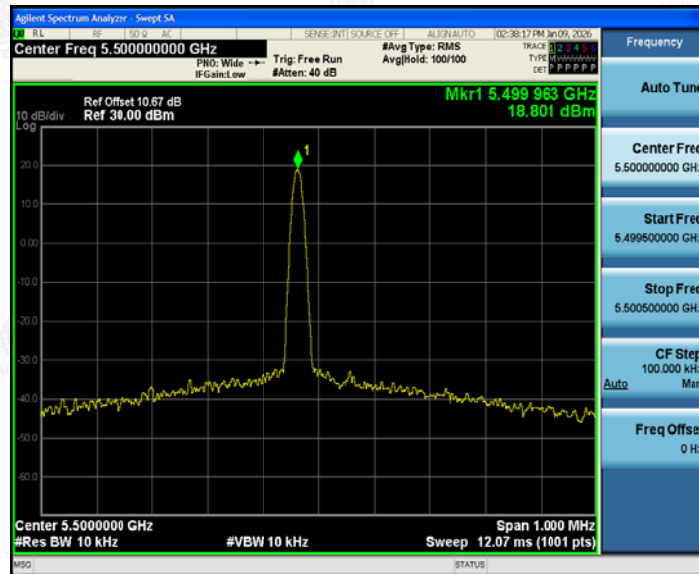
CH122: 5610MHz



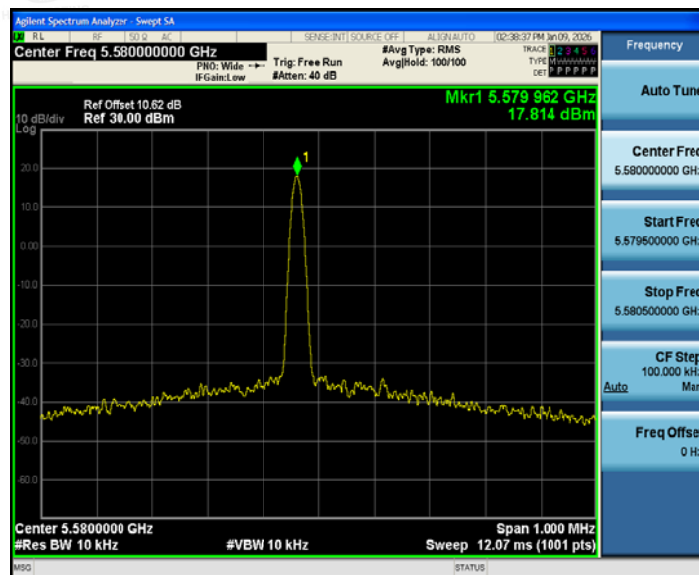
For ANT.2

Frequency (MHz)	Measured	Tolerance	Result	Limit
	MHz	MHz	ppm	ppm
5500	5499.963	-0.037	-6.72727	+/-20
5580	5579.962	-0.038	-6.81004	+/-20
5700	5699.961	-0.039	-6.84211	+/-20
5510	5509.962	-0.038	-6.89655	+/-20
5550	5549.962	-0.038	-6.84685	+/-20
5670	5669.961	-0.039	-6.87831	+/-20
5530	5529.962	-0.038	-6.87161	+/-20
5610	5609.961	-0.039	-6.95187	+/-20
Conclusion : PASS				

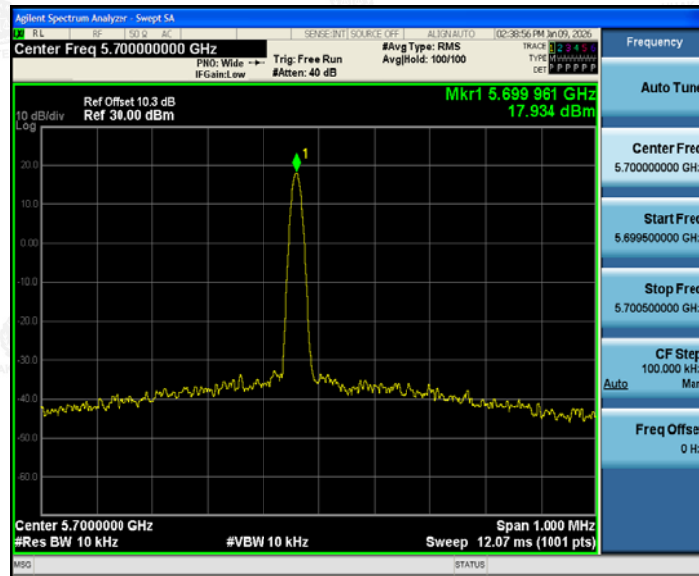
CH100: 5500MHz



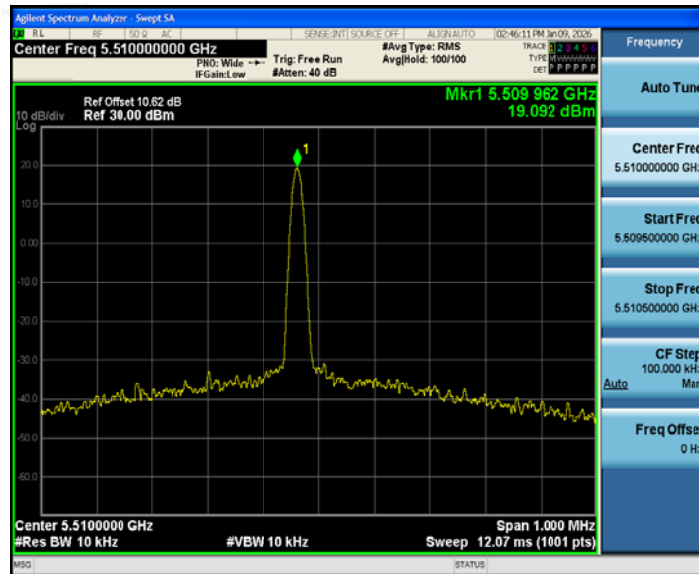
CH116: 5580MHz



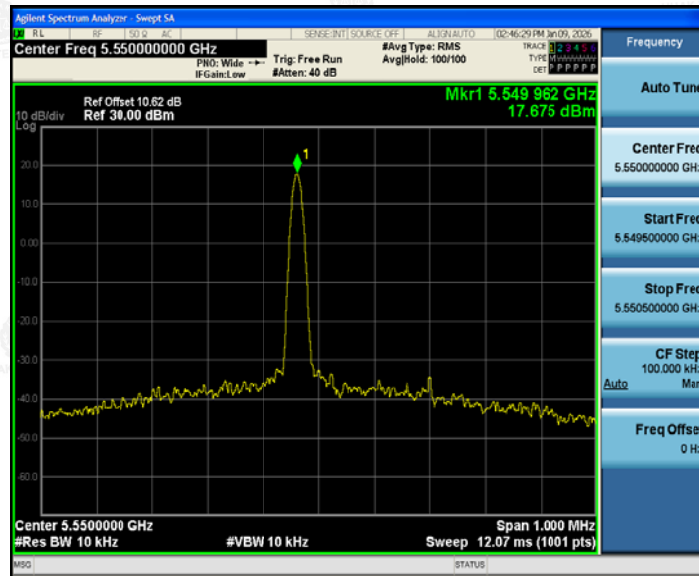
CH140: 5700MHz



CH102: 5510MHz



CH110: 5550MHz



CH134: 5670MHz



CH106: 5530MHz



CH122: 5610MHz

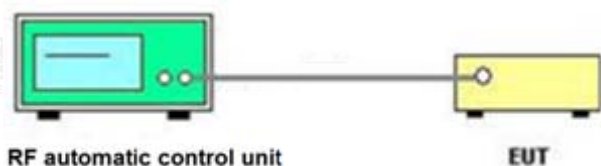


4.2 Antenna and EIRP Power

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 5500~5700MHz) (1) 5,500 MHz、5,600MHz、5,700 MHz,(HT20) 25mW/MHz or less (2) 5,510 MHz、5,590MHz、5,670MHz (HT40) 12.5mW/MHz or less (3) 5,530 MHz、5,610 MHz (HT80) 6.25mW/MHz or less
Antenna Power Error	+50%, -50% (Base on manufacturer declare Antenna power density)

4.2.2 Test Setup Layout



4.2.3 Test Deviation

There is no deviation with the original standard.



4.2.4 Test Result

Mode	Test channel	Conducted RF output power density (dBm/MHz)		Conducted RF output power density (mW/MHz)			Antenna power tolerance		Rated power (mW/MHz)	Result
		Antenna port 1	Antenna port 2	Antenna port 1	Antenna port 2	MIMO	Antenna port 1	Antenna port 2		
802.11a	CH100	5.77	6.71	3.7757	4.6881	/	-37.07%	-21.87%	6	PASS
802.11a	CH116	6.33	6.24	4.2954	4.2073	/	-28.41%	-29.88%	6	PASS
802.11a	CH140	6.43	6.30	4.3954	4.2658	/	-26.74%	-28.90%	6	PASS
802.11n(HT20)	CH100	6.15	6.67	4.1210	4.6452	8.7662	-31.32%	-22.58%	6	PASS
802.11n(HT20)	CH116	6.13	5.56	4.1020	3.5975	7.6995	-31.63%	-40.04%	6	PASS
802.11n(HT20)	CH140	5.41	6.30	3.4754	4.2658	7.7412	-42.08%	-28.90%	6	PASS
802.11n(HT40)	CH102	1.66	2.07	1.4655	1.6106	3.0761	-26.73%	-19.47%	2	PASS
802.11n(HT40)	CH110	1.53	3.08	1.4223	2.0324	3.4547	-28.89%	1.62%	2	PASS
802.11n(HT40)	CH134	2.21	2.61	1.6634	1.8239	3.4873	-16.83%	-8.81%	2	PASS
802.11ac(HT20)	CH100	6.47	5.19	4.4361	3.3037	7.7398	-26.07%	-44.94%	6	PASS
802.11ac(HT20)	CH116	5.22	5.18	3.3266	3.2961	6.6227	-44.56%	-45.07%	6	PASS
802.11ac(HT20)	CH140	5.42	6.07	3.4834	4.0458	7.5292	-41.94%	-32.57%	6	PASS
802.11ac(HT40)	CH102	2.07	2.30	1.6106	1.6982	3.3088	-19.47%	-15.09%	2	PASS
802.11ac(HT40)	CH110	2.27	2.73	1.6866	1.8750	3.5616	-15.67%	-6.25%	2	PASS
802.11ac(HT40)	CH134	2.66	3.59	1.8450	2.2856	8.7662	-7.75%	14.28%	2	PASS
802.11ac(HT80)	CH106	1.53	1.27	1.4223	1.3397	7.6995	-28.89%	-33.02%	2	PASS
802.11ac(HT80)	CH122	0.95	1.35	1.2445	1.3646	7.7412	-37.78%	-31.77%	2	PASS

Mode	Test channel	Conducted RF output power density (dBm/MHz)		EIRP RF output power density (mW/MHz)			Limit (mW/MHz)	Result
		Antenna port 1	Antenna port 2	Antenna port 1	Antenna port 2	MIMO		
802.11a	CH100	5.77	6.71	6.72973	9.09907	/	25	PASS
802.11a	CH116	6.33	6.24	7.65603	8.16589	/	25	PASS
802.11a	CH140	6.43	6.30	7.83427	8.27943	/	25	PASS
802.11n(HT20)	CH100	6.15	6.67	7.34518	9.01580	16.36099	25	PASS
802.11n(HT20)	CH116	6.13	5.56	7.31132	6.98234	14.29365	25	PASS
802.11n(HT20)	CH140	5.41	6.30	6.19448	8.27943	14.47391	25	PASS
802.11n(HT40)	CH102	1.66	2.07	2.61208	3.12599	5.73807	12.5	PASS
802.11n(HT40)	CH110	1.53	3.08	2.53508	3.94466	6.47973	12.5	PASS
802.11n(HT40)	CH134	2.21	2.61	2.96481	3.53998	6.50479	12.5	PASS
802.11ac(HT20)	CH100	6.47	5.19	7.90681	6.41210	14.31892	25	PASS
802.11ac(HT20)	CH116	5.22	5.18	5.92926	6.39735	12.32662	25	PASS
802.11ac(HT20)	CH140	5.42	6.07	6.20874	7.85244	14.06117	25	PASS
802.11ac(HT40)	CH102	2.07	2.30	2.87070	3.29601	6.16671	12.5	PASS
802.11ac(HT40)	CH110	2.27	2.73	3.00616	3.63916	6.64532	12.5	PASS
802.11ac(HT40)	CH134	2.66	3.59	3.28849	4.43609	7.72458	12.5	PASS
802.11ac(HT80)	CH106	1.53	1.27	2.53508	2.60020	5.13528	6.25	PASS
802.11ac(HT80)	CH122	0.95	1.35	2.21817	2.64853	4.86670	6.25	PASS

NOTE: Gain: ANT.1 =2.51 dBi, ANT.2 =2.88 dBi, MIMO =5.71dBi

Note: 1.The test results including the cable lose.

2. This product supports antenna 1 and antenna 2 launch, but only support 802.11 n/ac for MIMO mode, not support 802.11 a for MIMO mode.

4.3 Occupied Bandwidth

4.3.1 Limit

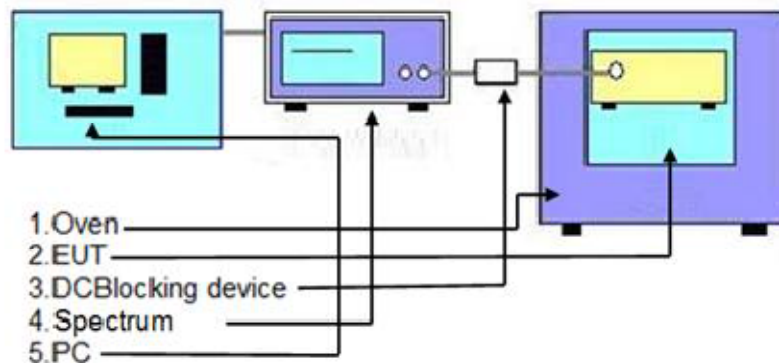
Item	Limits	
Occupied Band Width:	a/ HT20	≤20MHz
	HT40	≤40MHz
	HT80	≤80MHz
	Other Limits for report test result only.	

4.3.2 Measuring Instruments and Setting

TEST PROCEDURES

- Setting of SA is following as: 802.11a/n/ac RB: 300KHz / VB:300KHz / SPAN: 40/80/160MHz
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.

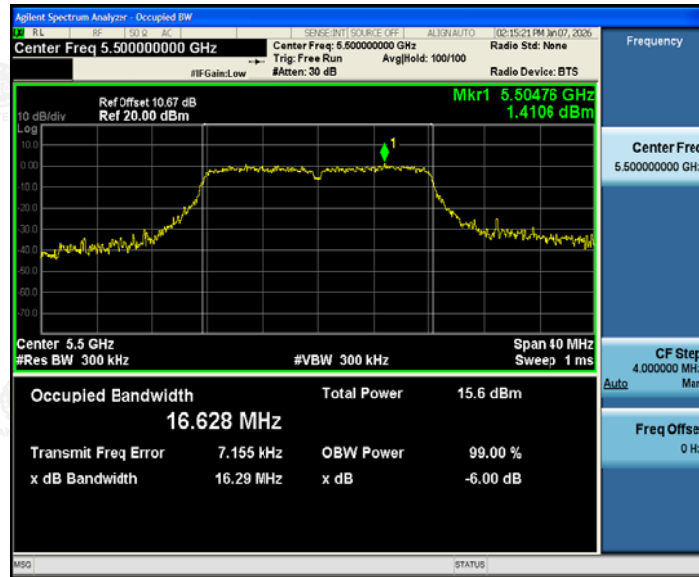
4.3.6 Test Result

For ANT.1

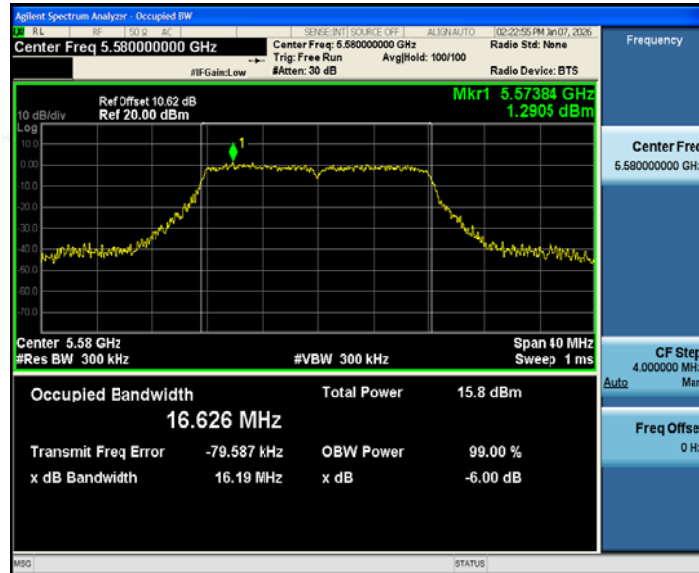
EUT:	Air Reflector	Test Date:	Jan. 07, 2026
Temperature:	25 ⁰ C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	802.11a/n/ac		

Mode	Test channel	Occupied Bandwidth (MHz)
802.11a	CH100	16.628
802.11a	CH116	16.626
802.11a	CH140	16.667
802.11n(HT20)	CH100	17.654
802.11n(HT20)	CH116	17.626
802.11n(HT20)	CH140	17.724
802.11n(HT40)	CH102	36.116
802.11n(HT40)	CH110	36.220
802.11n(HT40)	CH134	36.076
802.11ac(HT20)	CH100	17.648
802.11ac(HT20)	CH116	17.648
802.11ac(HT20)	CH140	17.655
802.11ac(HT40)	CH102	36.190
802.11ac(HT40)	CH110	36.191
802.11ac(HT40)	CH134	36.085
802.11ac(HT80)	CH106	75.151
802.11ac(HT80)	CH122	75.352

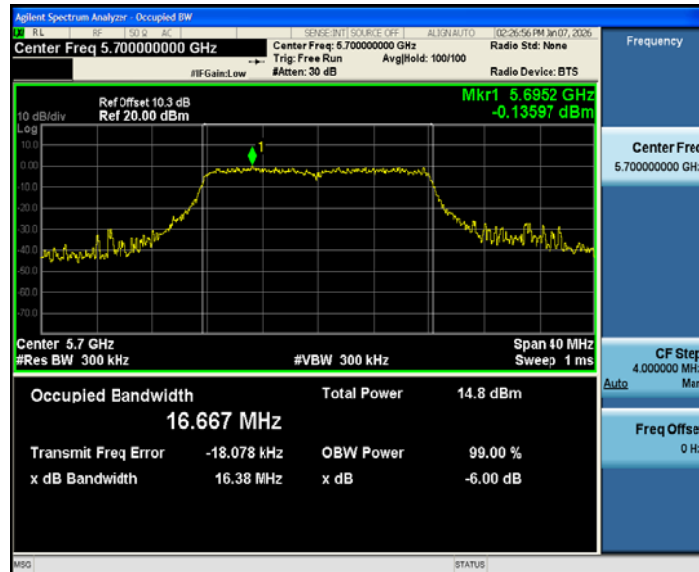
802.11a 5500MHz



802.11a 5580MHz

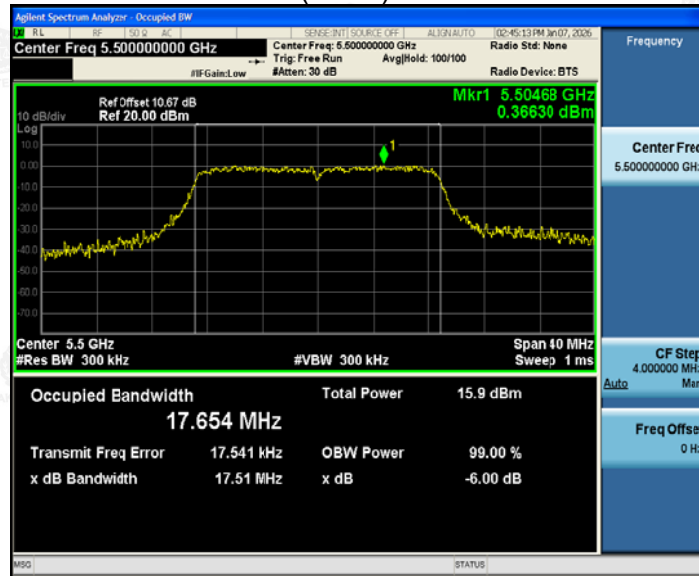


802.11a 5700MHz

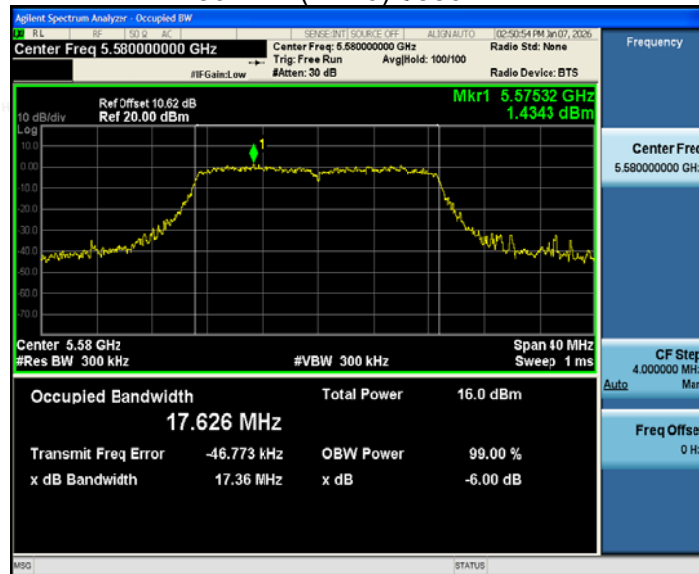


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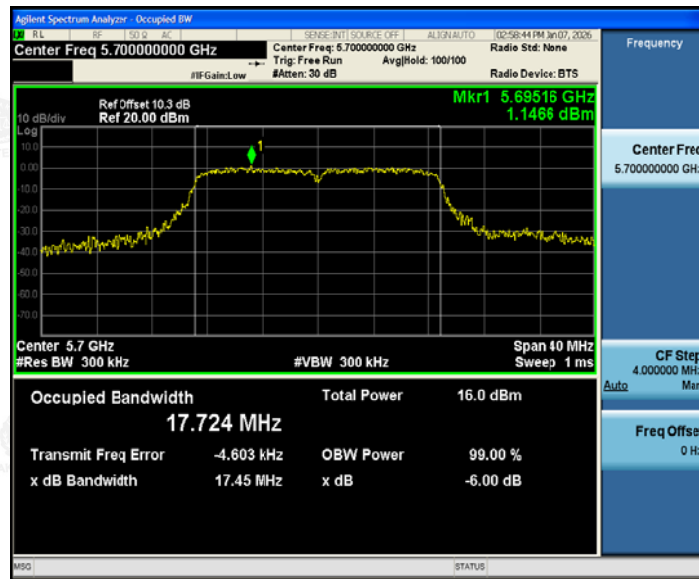
802.11n(HT20) 5500MHz



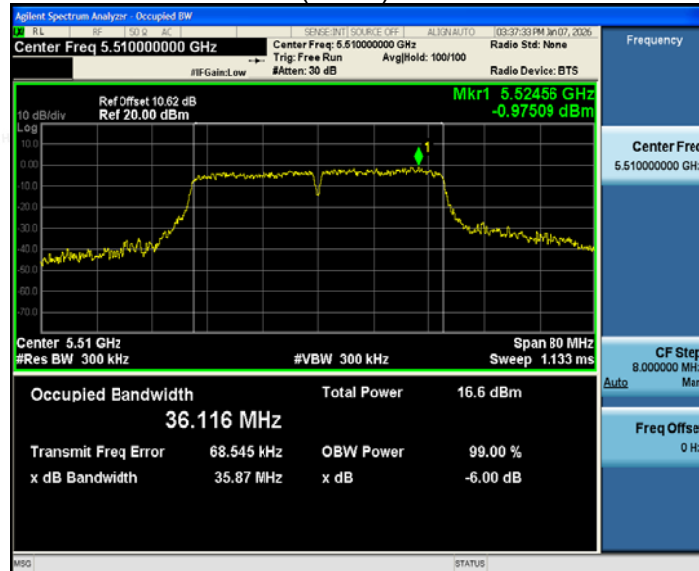
802.11n(HT20) 5580MHz



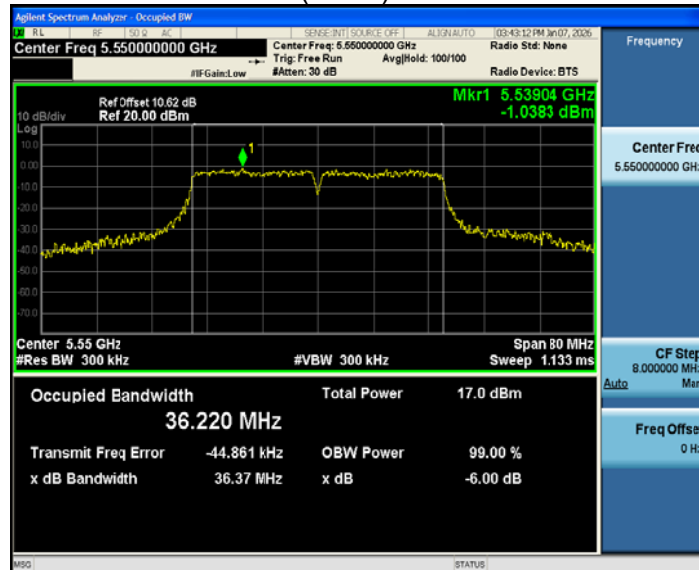
802.11n(HT20) 5700MHz



802.11n(HT40) 5510MHz

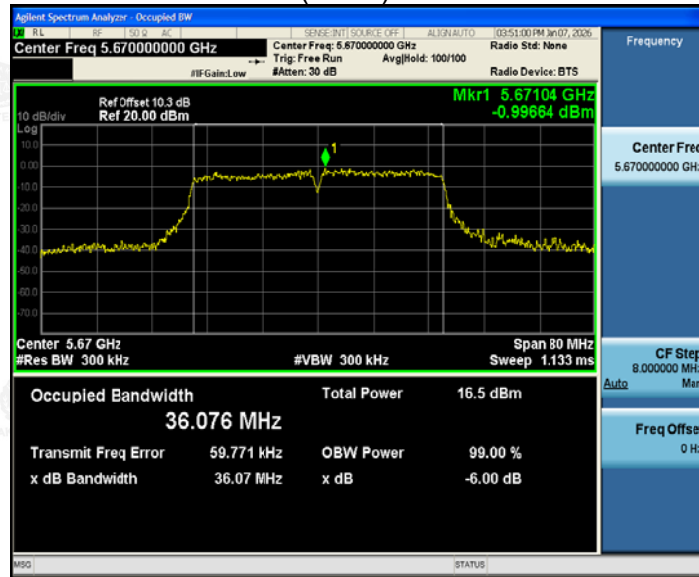


802.11n(HT40) 5550MHz

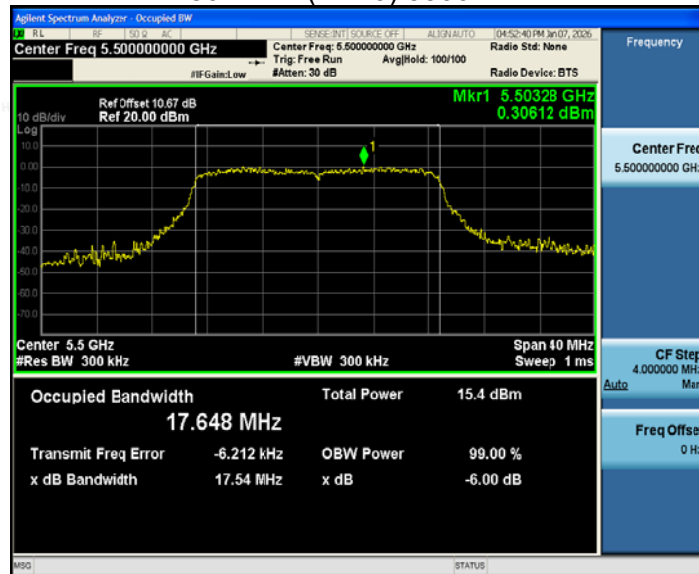


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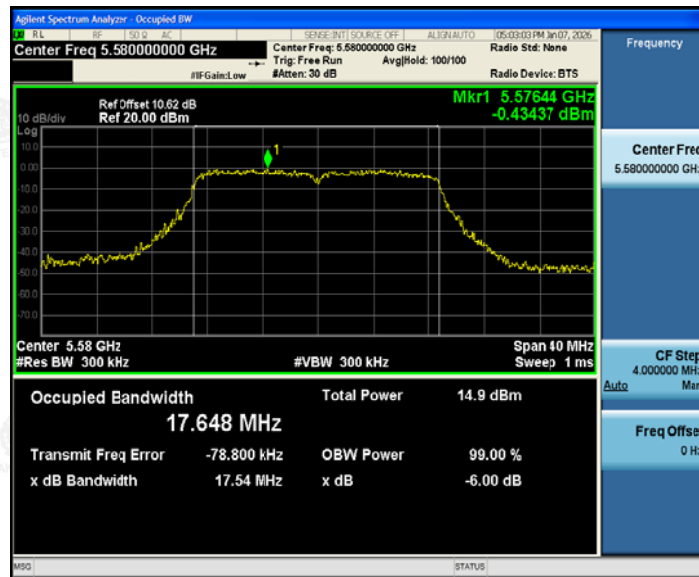
802.11n(HT40) 5670MHz



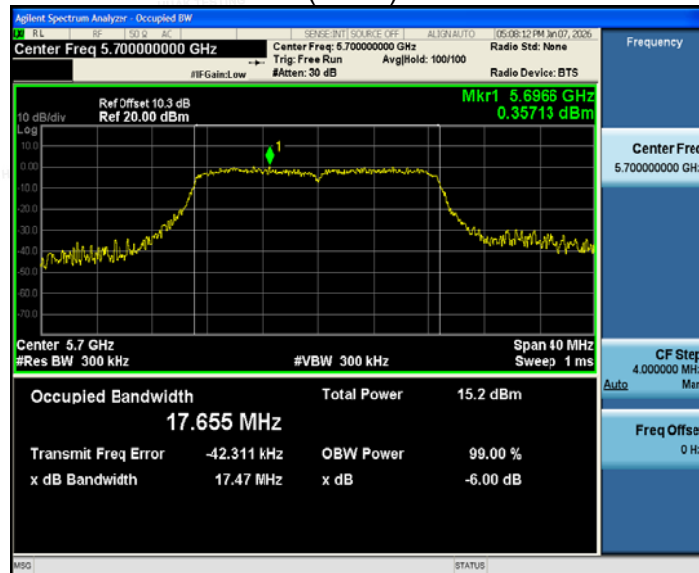
802.11ac(HT20) 5500MHz



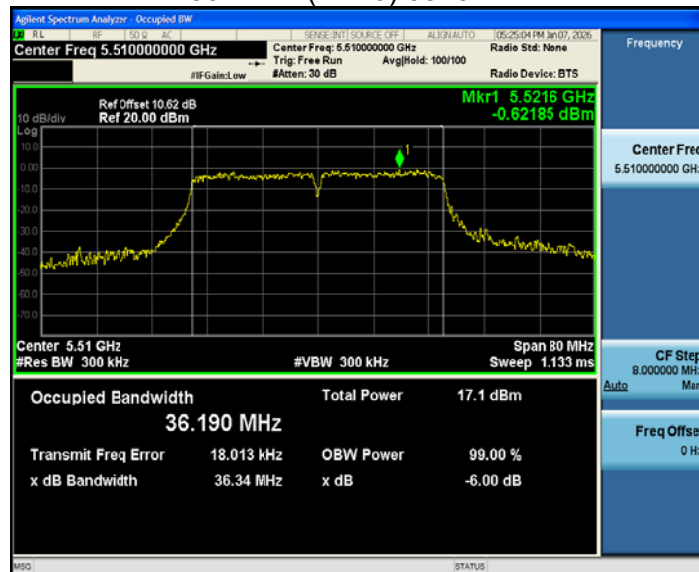
802.11ac(HT20) 5580MHz



802.11ac(HT20) 5700MHz

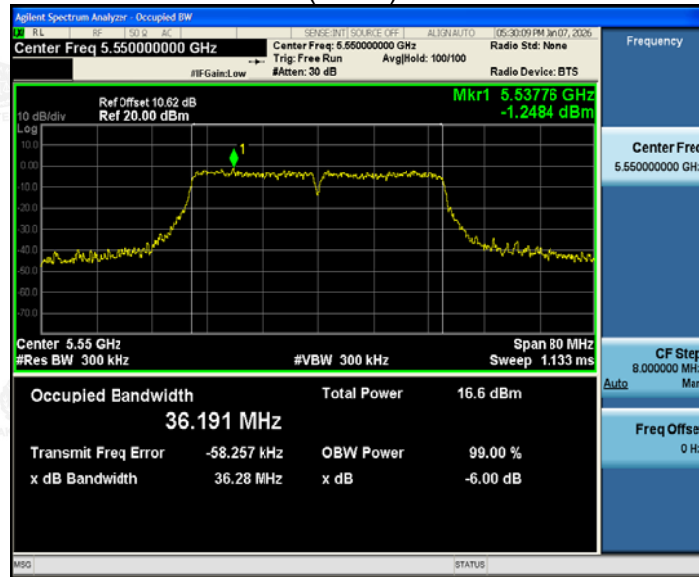


802.11ac(HT40) 5510MHz

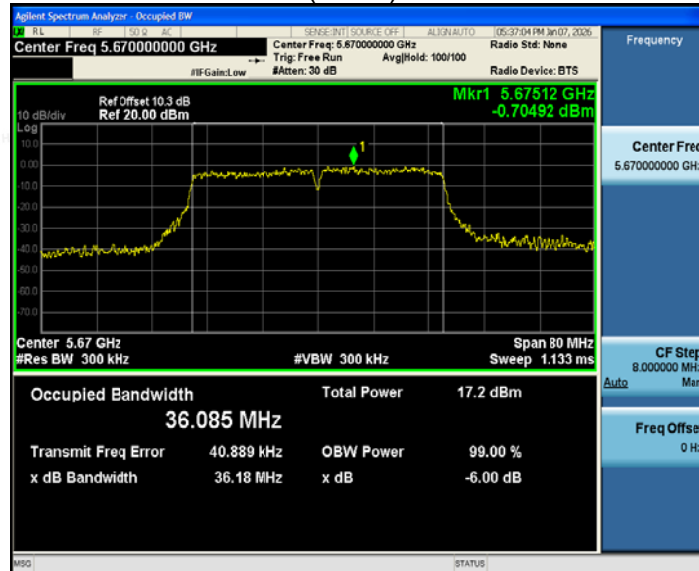


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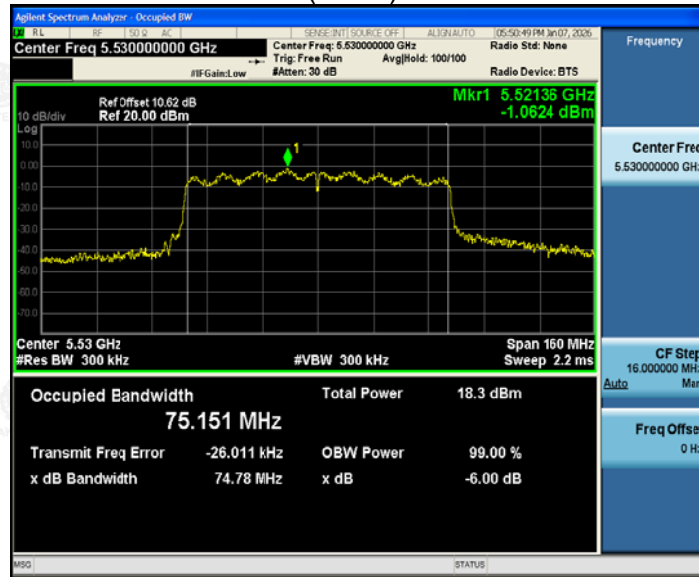
802.11ac(HT40) 5550MHz



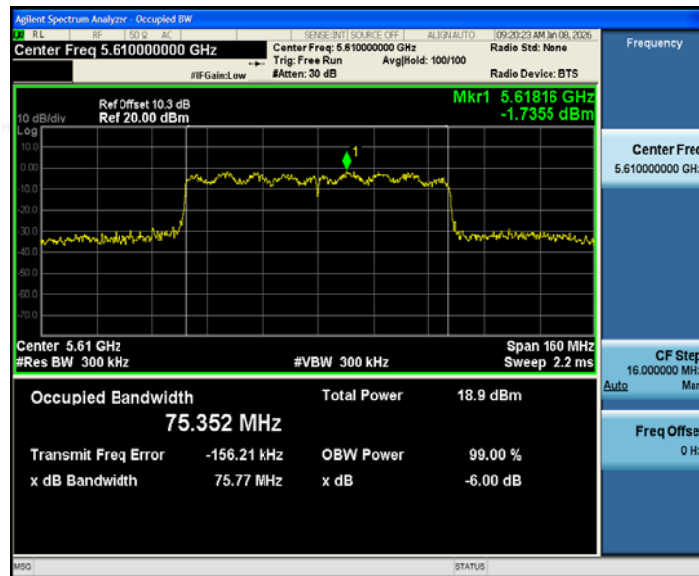
802.11ac(HT40) 5670MHz



802.11ac(HT80) 5530MHz



802.11ac(HT80) 5610MHz



For ANT. 2

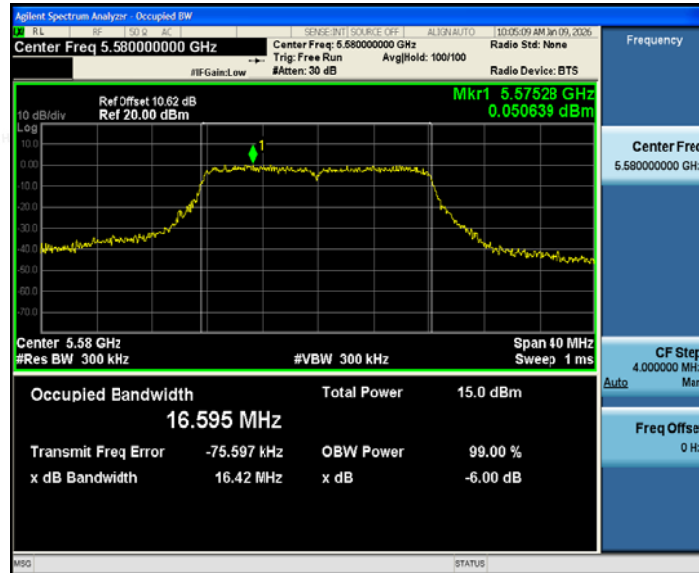
EUT:	Air Reflector	Test Date:	Jan. 07, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	802.11a/n/ac		

Mode	Test channel	Occupied Bandwidth (MHz)
802.11a	CH100	16.637
802.11a	CH116	16.595
802.11a	CH140	16.736
802.11n(HT20)	CH100	17.665
802.11n(HT20)	CH116	17.650
802.11n(HT20)	CH140	17.664
802.11n(HT40)	CH102	36.197
802.11n(HT40)	CH110	36.308
802.11n(HT40)	CH134	36.221
802.11ac(HT20)	CH100	17.669
802.11ac(HT20)	CH116	17.678
802.11ac(HT20)	CH140	17.664
802.11ac(HT40)	CH102	36.203
802.11ac(HT40)	CH110	36.295
802.11ac(HT40)	CH134	36.228
802.11ac(HT80)	CH106	75.220
802.11ac(HT80)	CH122	75.541

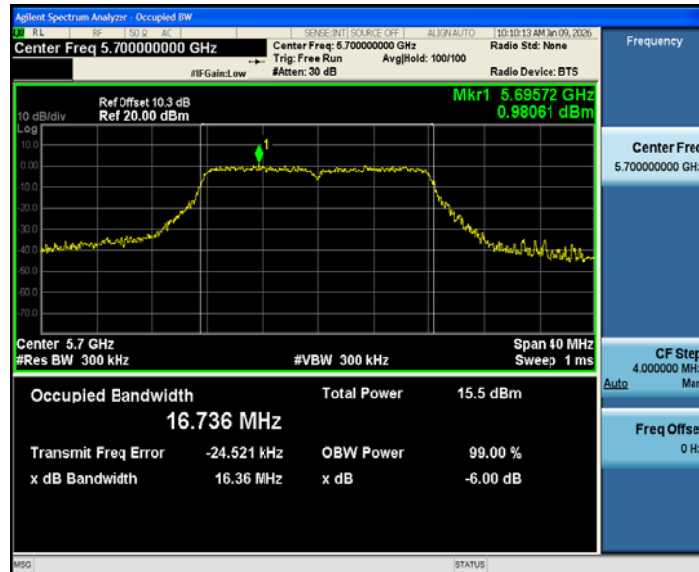
802.11a 5500MHz



802.11a 5580MHz



802.11a 5700MHz

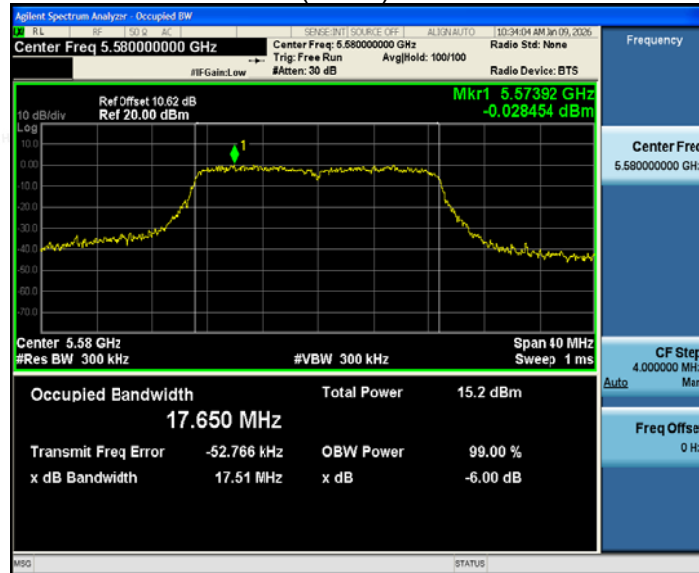


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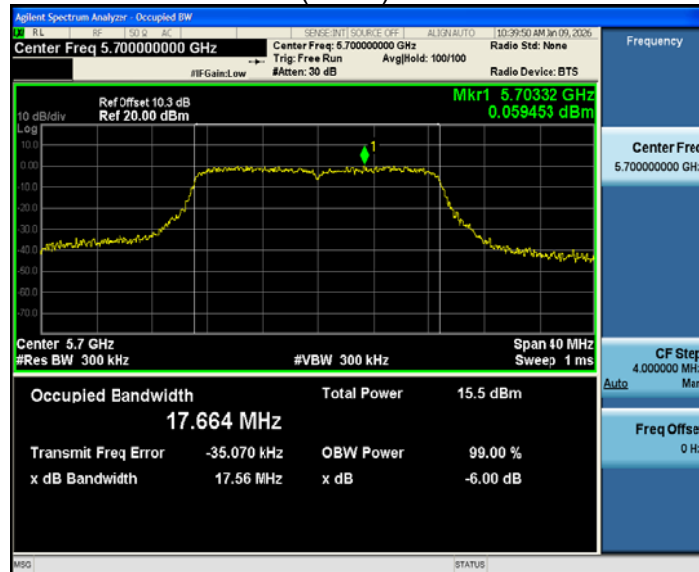
802.11n(HT20) 5500MHz



802.11n(HT20) 5580MHz



802.11n(HT20) 5700MHz

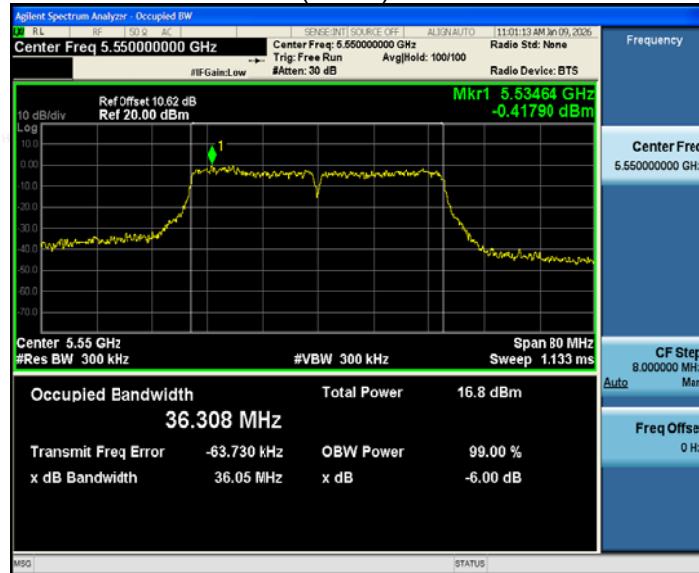


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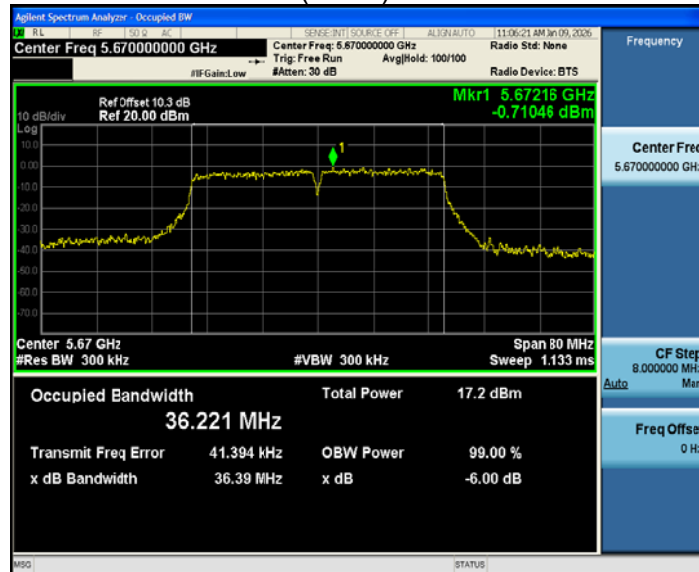
802.11n(HT40) 5510MHz



802.11n(HT40) 5550MHz

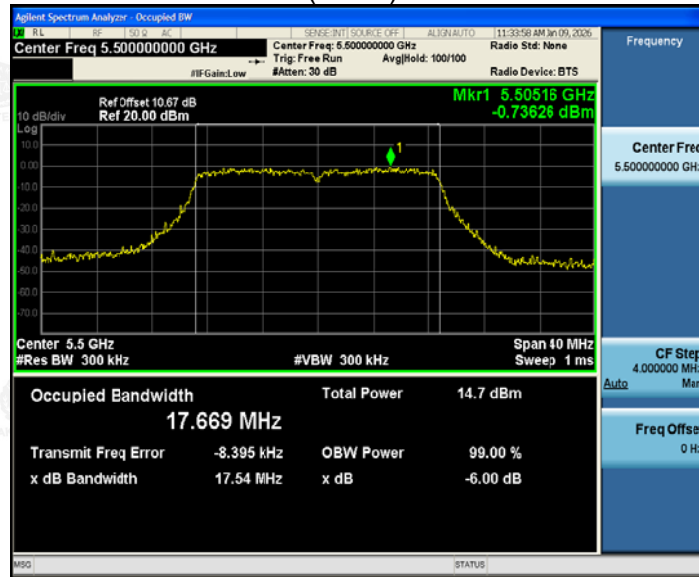


802.11n(HT40) 5670MHz

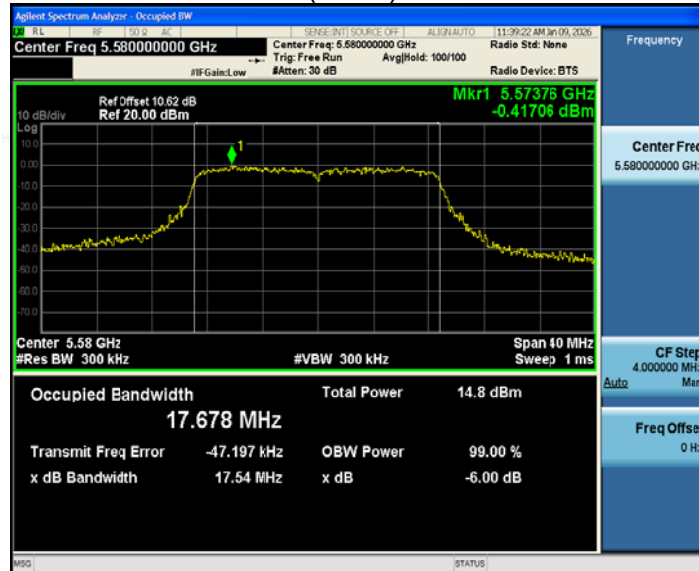


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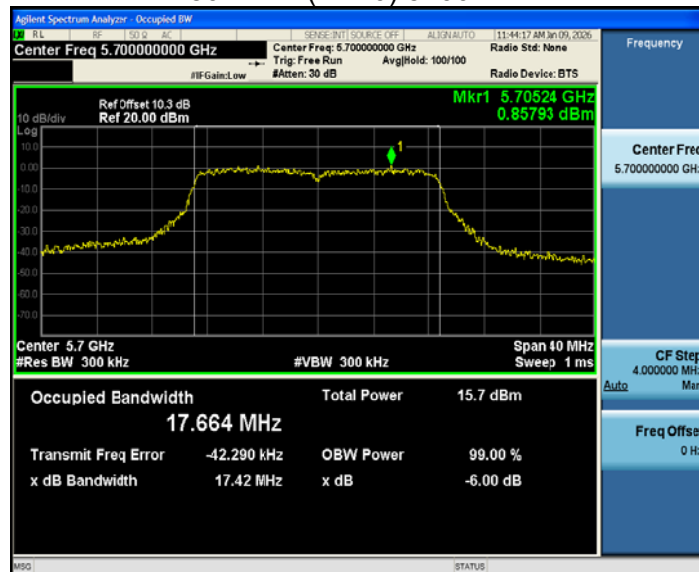
802.11ac(HT20) 5500MHz



802.11ac(HT20) 5580MHz



802.11ac(HT20) 5700MHz

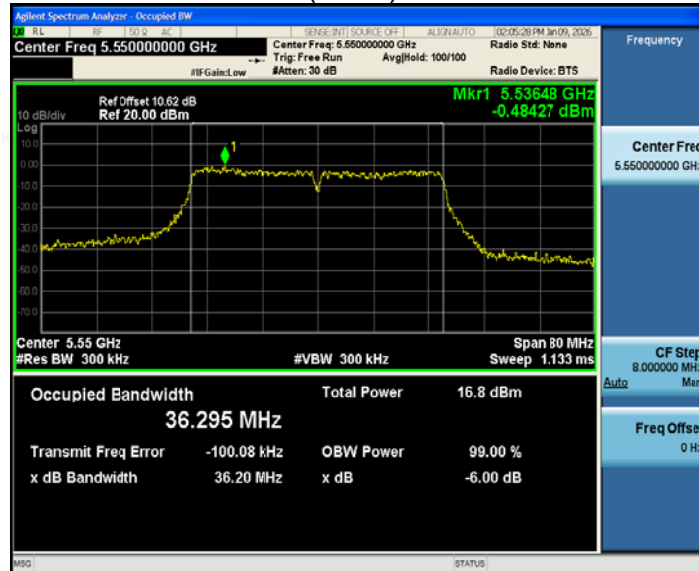


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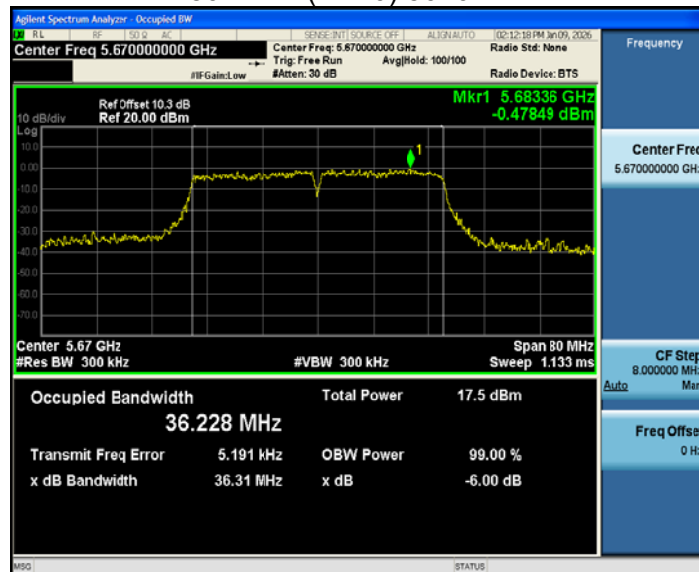
802.11ac(HT40) 5510MHz



802.11ac(HT40) 5550MHz

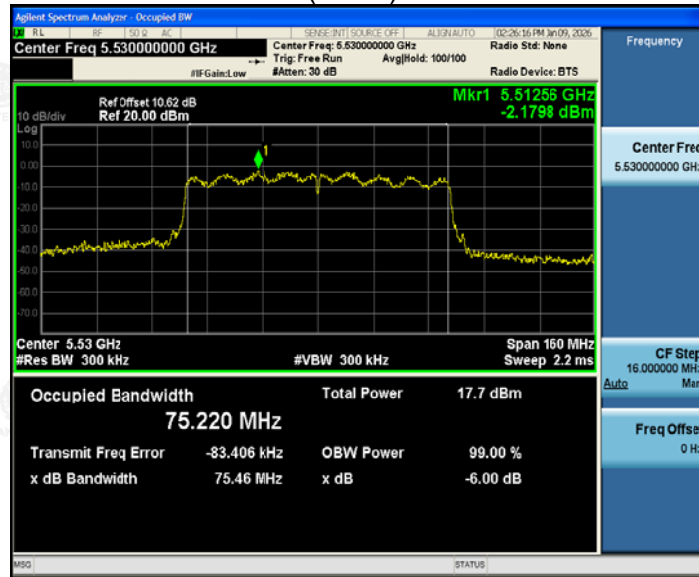


802.11ac(HT40) 5670MHz

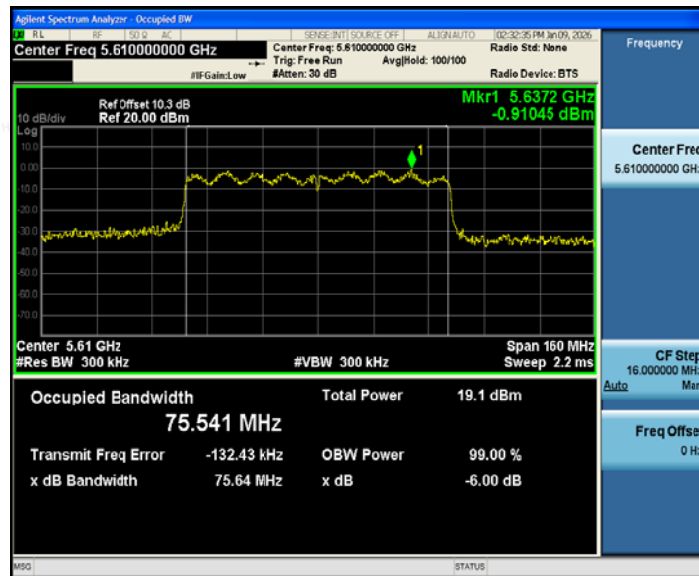


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802.11ac(HT80) 5530MHz



802.11ac(HT80) 5610MHz



4.4 Tolerance of Spurious Emission Intensity

4.4.1 Limit

Item	Limits	
TX Spurious Emission	HT20	$\leq 2.5 \mu\text{W}/\text{MHz}$ ($30\text{MHz} \leq f \leq 5460\text{MHz}$) $\leq 2.5 \mu\text{W}/\text{MHz}$ ($5765\text{MHz} \leq f \leq 26000\text{MHz}$)
	HT40	$\leq 12.5 \mu\text{W}/\text{MHz}$ ($30\text{MHz} \leq f \leq 5460\text{MHz}$) $\leq 12.5 \mu\text{W}/\text{MHz}$ ($5770\text{MHz} \leq f \leq 26000\text{MHz}$)
	HT80	$\leq 12.5 \mu\text{W}/\text{MHz}$ ($30\text{MHz} \leq f \leq 5340\text{MHz}$) $\leq 12.5 \mu\text{W}/\text{MHz}$ ($5800\text{MHz} \leq f \leq 26000\text{MHz}$)

4.4.2. Measuring Instruments and Setting

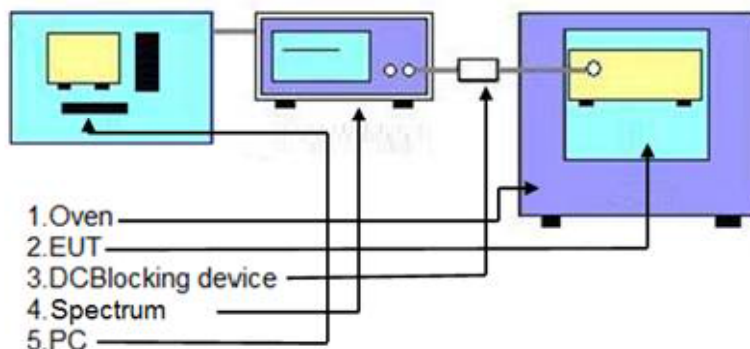
The following table is the setting of Spectrum Analyzer.

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

4.4.3. Test Procedures

- EUT have transmitted the maximum modulation signal and fixed channelize.
- 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
- Setting of SA is following as 30MHz and stop frequency 5460MHz/5420MHz/5340MHz,
Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W}$.
- SA adjusted to start frequency 5740MHz/5760MHz/5800MHz and stop frequency 26000MHz.
Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W}$.

4.4.4. Test Setup Layout



4.4.5. Test Deviation

There is no deviation with the original standard.

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4.4.6. Test Result

EUT:	Air Reflector	Test Date:	Jan. 07, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-802.11a/n/ac		

For ANT.1

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	5500	30	5460	3149.35	-46.02	0.02500	≤2.5	PASS
802.11a	5500	5460	5470	5467.78	-41.16	0.07656	≤12.5	PASS
802.11a	5500	5745	5765	5748.24	-48.19	0.01517	≤12.5	PASS
802.11a	5500	5765	26000	25160.25	-38.76	0.13305	≤2.5	PASS
802.11a	5580	30	5460	3154.78	-46.84	0.02070	≤2.5	PASS
802.11a	5580	5460	5470	5461.20	-49.43	0.01140	≤12.5	PASS
802.11a	5580	5745	5765	5753.24	-49.42	0.01143	≤12.5	PASS
802.11a	5580	5765	26000	24429.09	-38.93	0.12794	≤2.5	PASS
802.11a	5700	30	5460	3176.32	-47.36	0.01837	≤2.5	PASS
802.11a	5700	5460	5470	5465.35	-50.07	0.00984	≤12.5	PASS
802.11a	5700	5745	5765	5745.00	-48.29	0.01483	≤12.5	PASS
802.11a	5700	5765	26000	25710.64	-39.65	0.10839	≤2.5	PASS
802.11n(HT20)	5500	30	5460	3283.48	-46.22	0.02388	≤2.5	PASS
802.11n(HT20)	5500	5460	5470	5466.62	-36.57	0.22029	≤12.5	PASS
802.11n(HT20)	5500	5745	5765	5745.42	-49.50	0.01122	≤12.5	PASS
802.11n(HT20)	5500	5765	26000	24572.76	-38.96	0.12706	≤2.5	PASS
802.11n(HT20)	5580	30	5460	3169.81	-47.09	0.01954	≤2.5	PASS
802.11n(HT20)	5580	5460	5470	5469.92	-48.82	0.01312	≤12.5	PASS
802.11n(HT20)	5580	5745	5765	5746.80	-49.10	0.01230	≤12.5	PASS
802.11n(HT20)	5580	5765	26000	24279.35	-38.62	0.13740	≤2.5	PASS
802.11n(HT20)	5700	30	5460	2552.05	-47.48	0.01786	≤2.5	PASS
802.11n(HT20)	5700	5460	5470	5467.00	-50.16	0.00964	≤12.5	PASS
802.11n(HT20)	5700	5745	5765	5748.44	-47.19	0.01910	≤12.5	PASS
802.11n(HT20)	5700	5765	26000	25269.52	-39.43	0.11402	≤2.5	PASS
802.11n(HT40)	5510	30	5460	5458.19	-45.50	0.02818	≤12.5	PASS

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802.11n(HT40)	5510	5460	5470	5469.29	-36.01	0.25061	≤50	PASS
802.11n(HT40)	5510	5770	26000	25134.8 3	-39.35	0.11614	≤12.5	PASS
802.11n(HT40)	5550	30	5460	3008.17	-46.27	0.02360	≤12.5	PASS
802.11n(HT40)	5550	5460	5470	5469.18	-48.03	0.01574	≤50	PASS
802.11n(HT40)	5550	5770	26000	23835.3 9	-39.19	0.12050	≤12.5	PASS
802.11n(HT40)	5670	30	5460	3037.13	-47.61	0.01734	≤12.5	PASS
802.11n(HT40)	5670	5460	5470	5469.12	-50.21	0.00953	≤50	PASS
802.11n(HT40)	5670	5770	26000	25220.47	-39.47	0.11298	≤12.5	PASS
802.11ac(HT20)	5500	30	5460	5367.69	-45.51	0.02812	≤2.5	PASS
802.11ac(HT20)	5500	5460	5470	5466.24	-45.59	0.02761	≤12.5	PASS
802.11ac(HT20)	5500	5745	5765	5749.94	-48.92	0.01282	≤12.5	PASS
802.11ac(HT20)	5500	5765	26000	25303.24	-38.60	0.13804	≤2.5	PASS
802.11ac(HT20)	5580	30	5460	3175.42	-47.01	0.01991	≤2.5	PASS
802.11ac(HT20)	5580	5460	5470	5465.46	-48.85	0.01303	≤12.5	PASS
802.11ac(HT20)	5580	5745	5765	5762.82	-48.96	0.01271	≤12.5	PASS
802.11ac(HT20)	5580	5765	26000	24731.27	-39.01	0.12560	≤2.5	PASS
802.11ac(HT20)	5700	30	5460	3374.70	-47.58	0.01746	≤2.5	PASS
802.11ac(HT20)	5700	5460	5470	5464.32	-49.61	0.01094	≤12.5	PASS
802.11ac(HT20)	5700	5745	5765	5745.32	-47.63	0.01726	≤12.5	PASS
802.11ac(HT20)	5700	5765	26000	24337.36	-38.43	0.14355	≤2.5	PASS
802.11ac(HT40)	5510	30	5460	3276.24	-46.23	0.02382	≤12.5	PASS
802.11ac(HT40)	5510	5460	5470	5469.69	-36.10	0.24547	≤50	PASS
802.11ac(HT40)	5510	5770	26000	25841.53	-38.77	0.13274	≤12.5	PASS
802.11ac(HT40)	5550	30	5460	2673.69	-47.06	0.01968	≤12.5	PASS
802.11ac(HT40)	5550	5460	5470	5463.58	-48.15	0.01531	≤50	PASS
802.11ac(HT40)	5550	5770	26000	25729.59	-38.35	0.14622	≤12.5	PASS
802.11ac(HT40)	5670	30	5460	2950.07	-46.90	0.02042	≤12.5	PASS
802.11ac(HT40)	5670	5460	5470	5463.31	-49.76	0.01057	≤50	PASS
802.11ac(HT40)	5670	5770	26000	24467.24	-39.91	0.10209	≤12.5	PASS
802.11ac(HT80)	5530	30	5460	5459.64	-36.49	0.22439	≤12.5	PASS
802.11ac(HT80)	5530	5460	5469.5	5463.53	-35.48	0.28314	≤50	PASS
802.11ac(HT80)	5530	5469.5	5470	5469.96	-35.74	0.26669	≤51.2	PASS
802.11ac(HT80)	5530	5770	26000	24573.79	-38.35	0.14622	≤12.5	PASS
802.11ac(HT80)	5610	30	5460	5457.10	-39.00	0.12589	≤12.5	PASS
802.11ac(HT80)	5610	5460	5469.5	5461.13	-38.43	0.14355	≤50	PASS
802.11ac(HT80)	5610	5469.5	5470	5469.68	-39.14	0.12190	≤51.2	PASS
802.11ac(HT80)	5610	5770	26000	25763.31	-38.88	0.12942	≤12.5	PASS

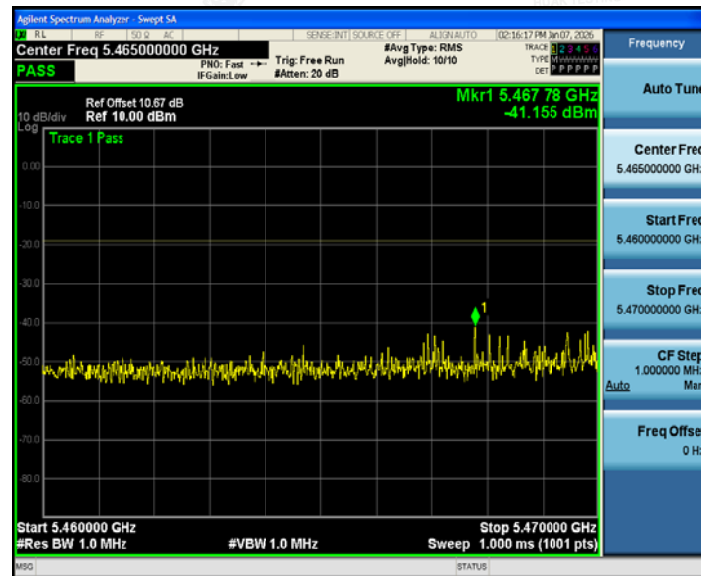
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802.11a

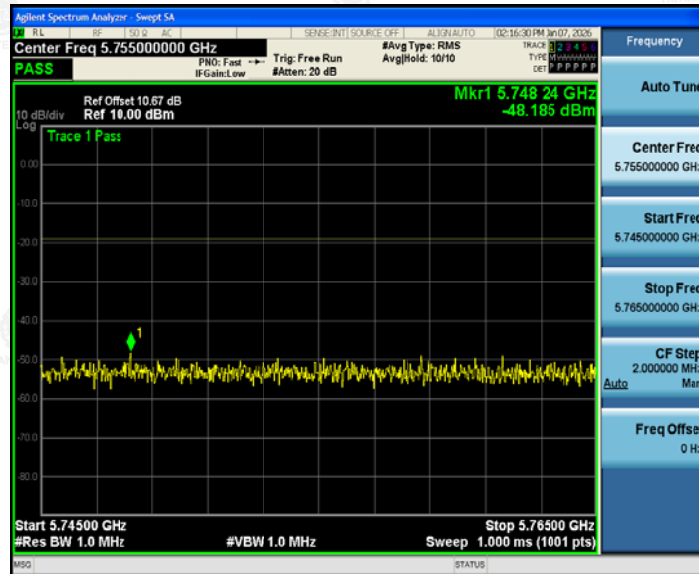
CH 100: 5500MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



CH 100: 5500MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



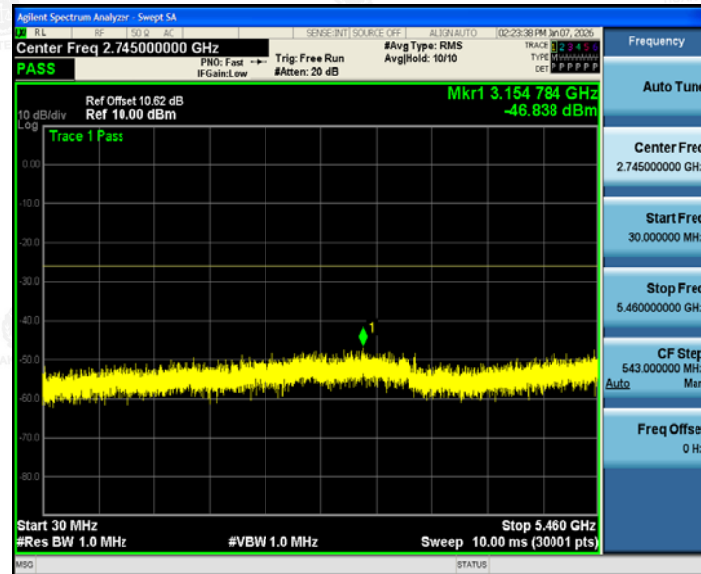
CH 100: 5500MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)



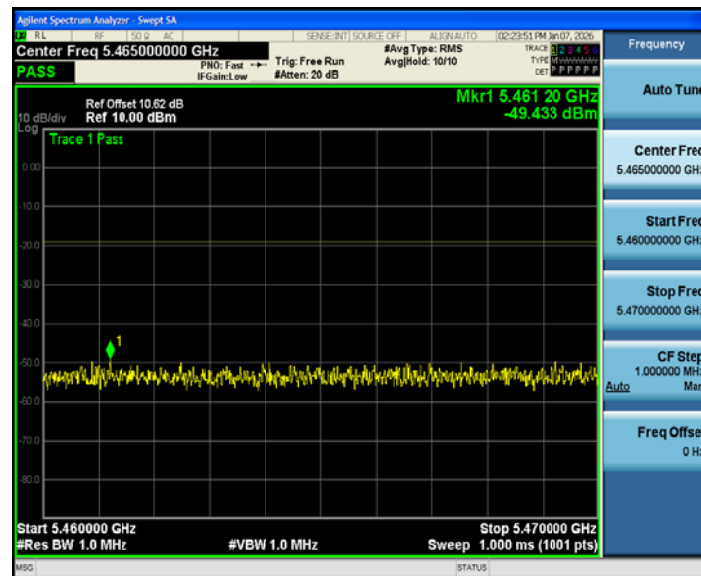
CH 100: 5500MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



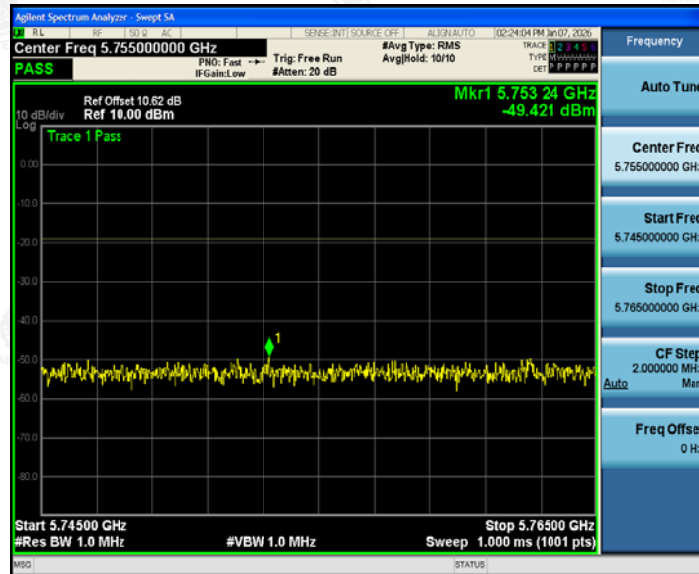
CH 116: 5580MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 116: 5580MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



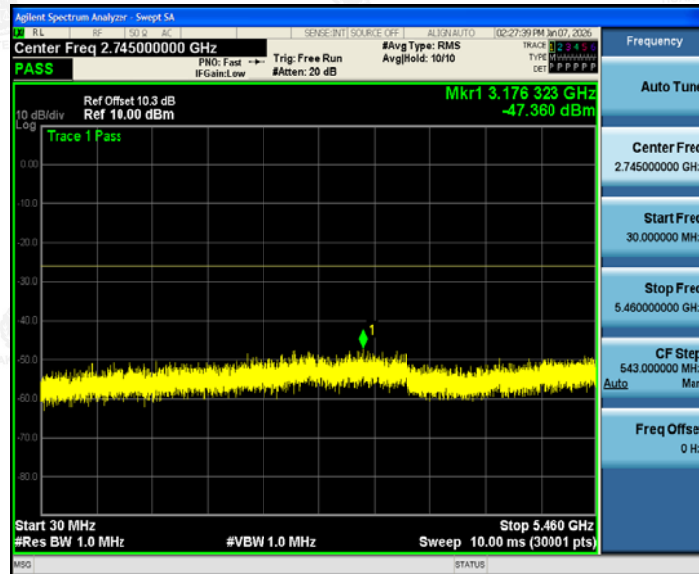
CH 116: 5580MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)



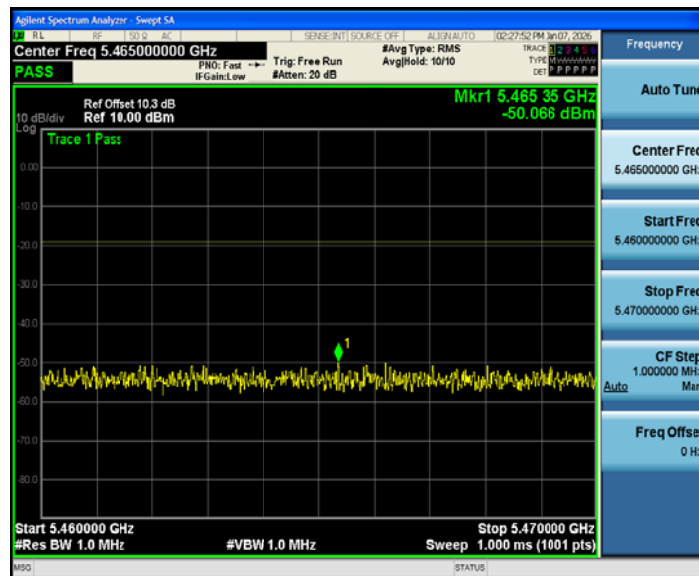
CH 116: 5580MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



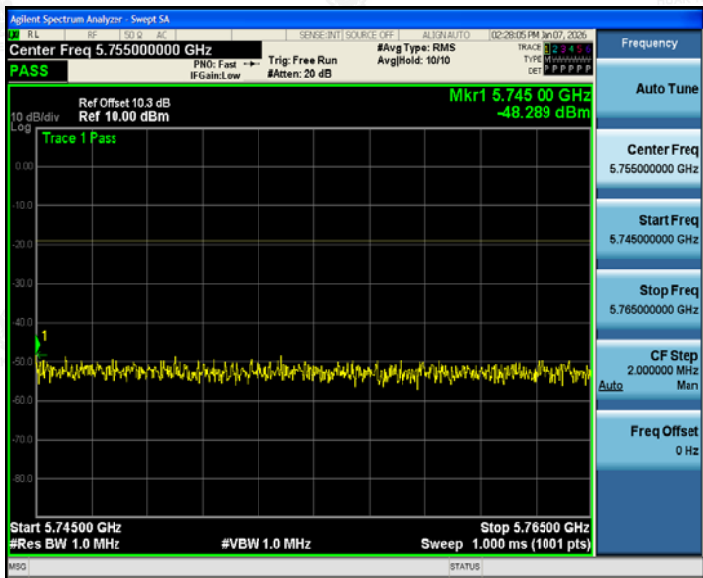
CH 140: 5700MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 140: 5700MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



CH 140: 5700MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)



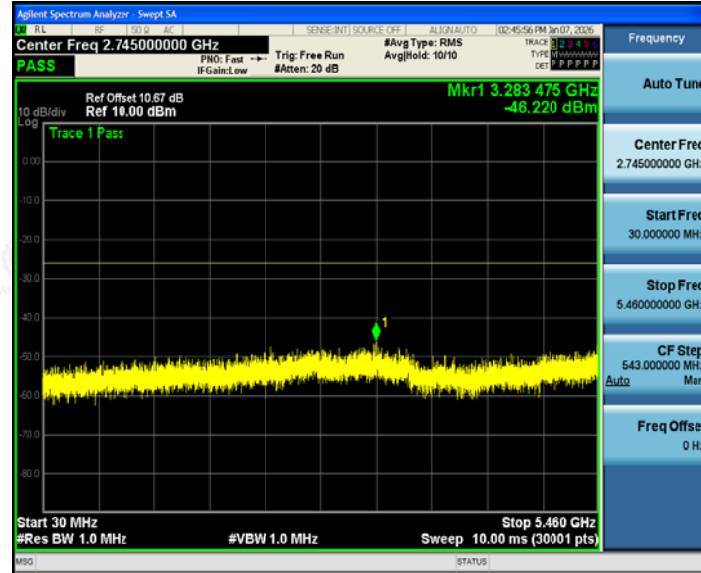
CH 140: 5700MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)



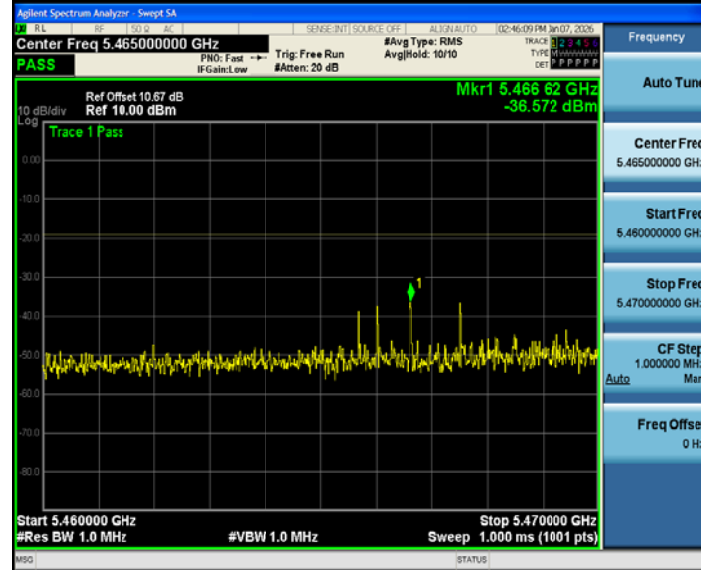
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802.11n(HT20)

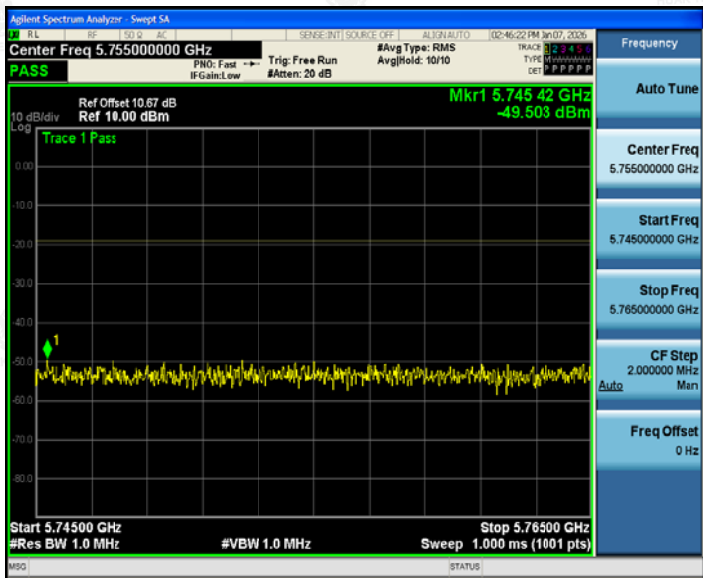
CH 100: 5500MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



CH 100: 5500MHz - Frequency Band 2 ($5460 \text{ MHz} \leq f \leq 5470 \text{ MHz}$)



CH 100: 5500MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)

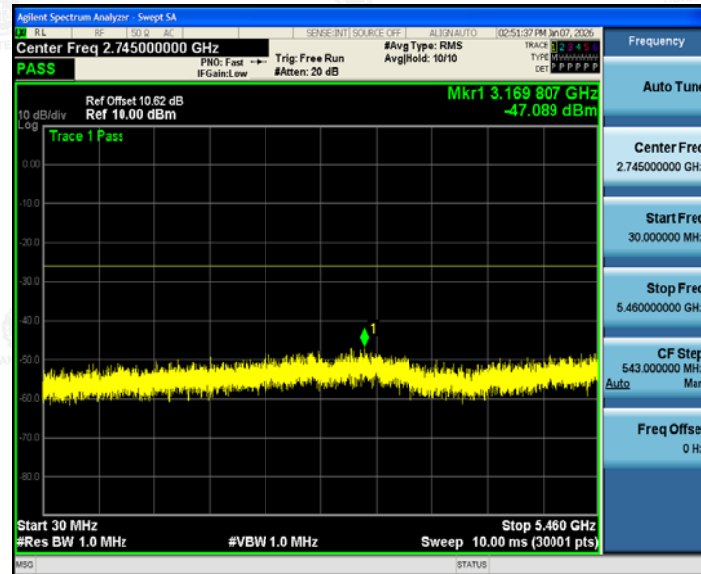


CH 100: 5500MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)

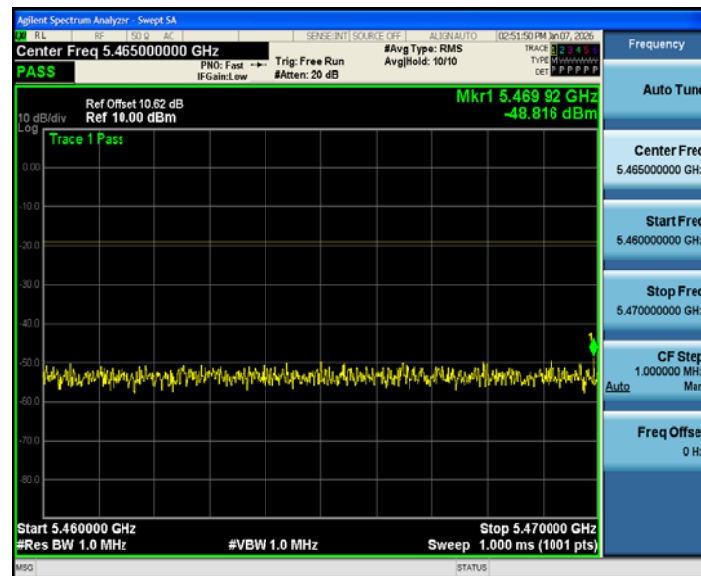


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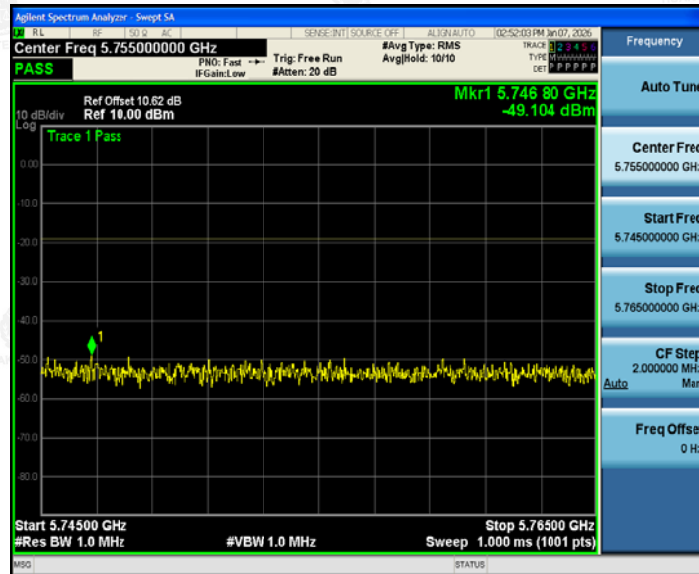
CH 116: 5580MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



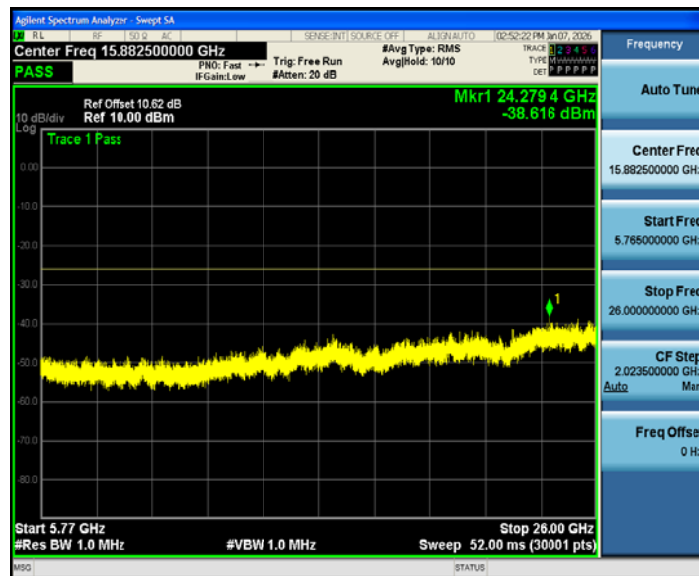
CH 116: 5580MHz - Frequency Band 2 ($5460 \text{ MHz} \leq f \leq 5470 \text{ MHz}$)



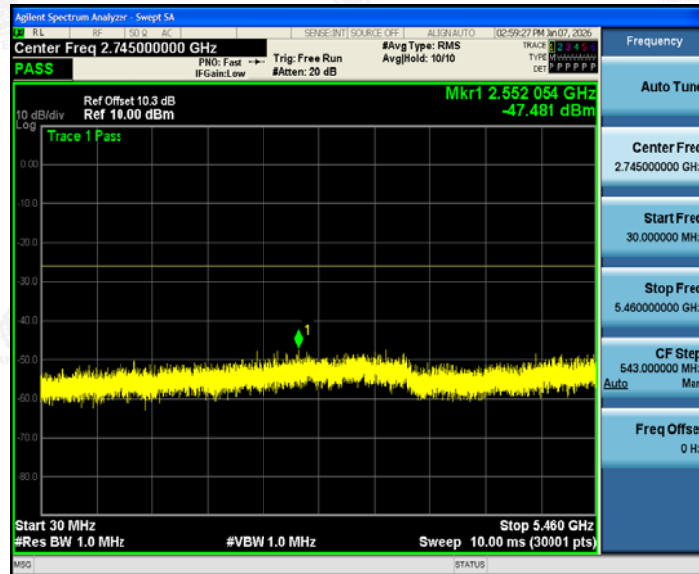
CH 116: 5580MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)



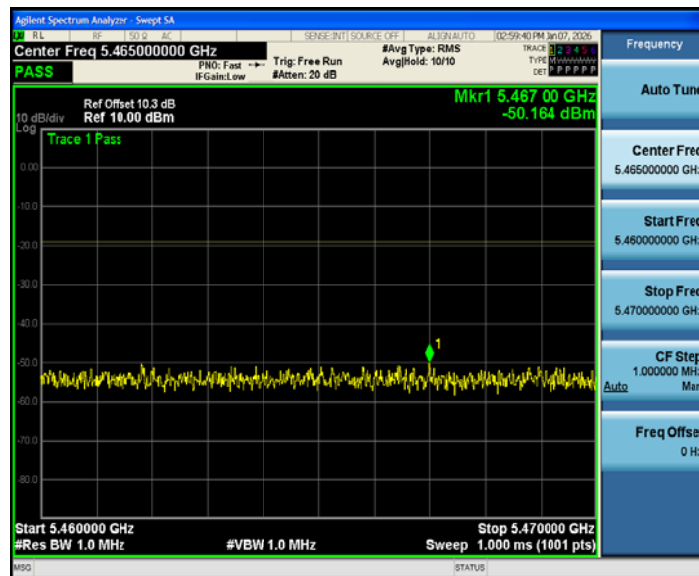
CH 116: 5580MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



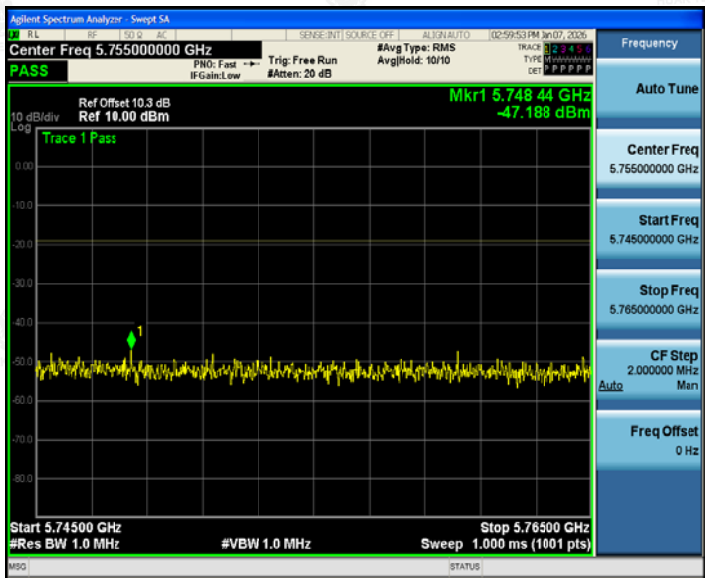
CH 140: 5700MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 140: 5700MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



CH 140: 5700MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)



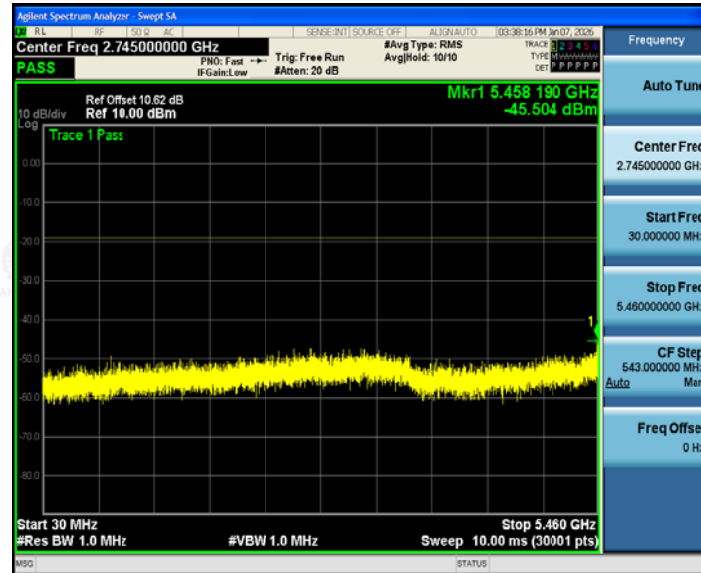
CH 140: 5700MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)



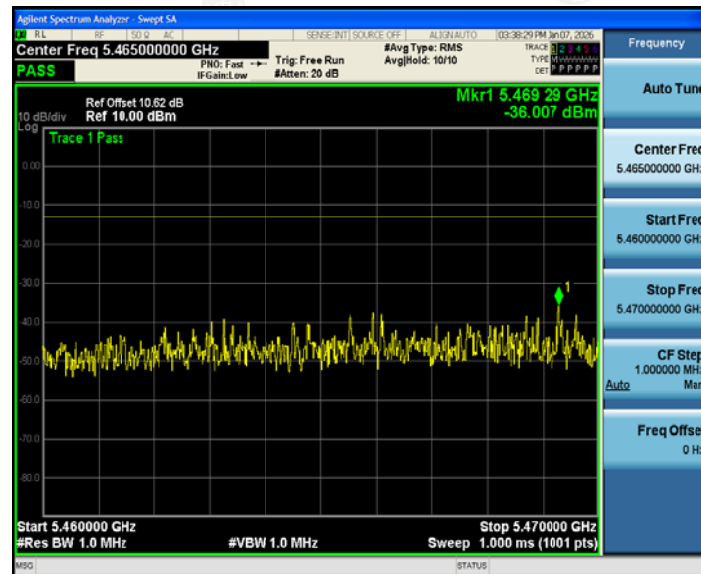
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802.11n(HT40)

CH 102: 5510MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



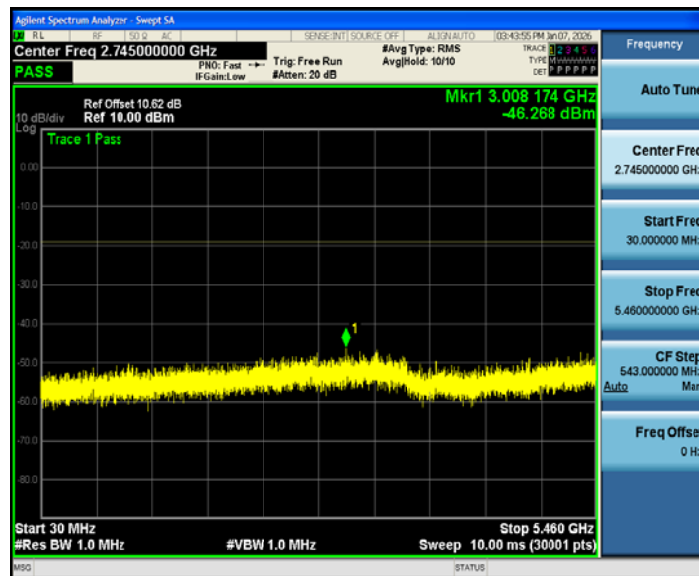
CH 102: 5510MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



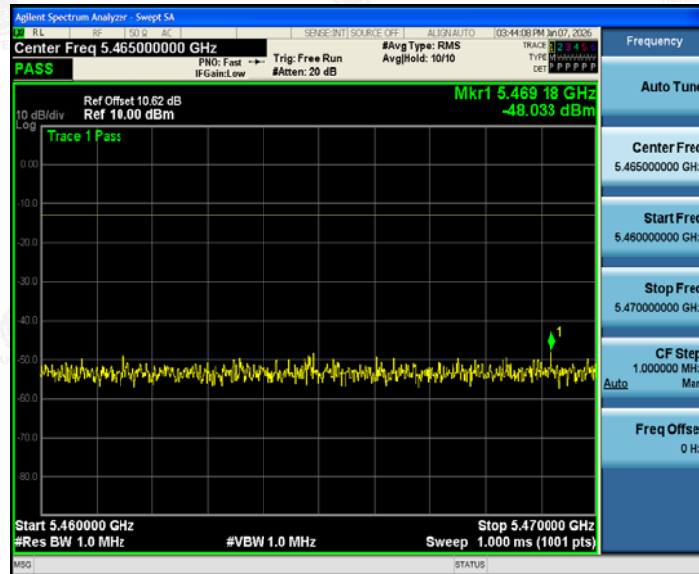
CH 102: 5510MHz - Frequency Band 3 ($5770 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



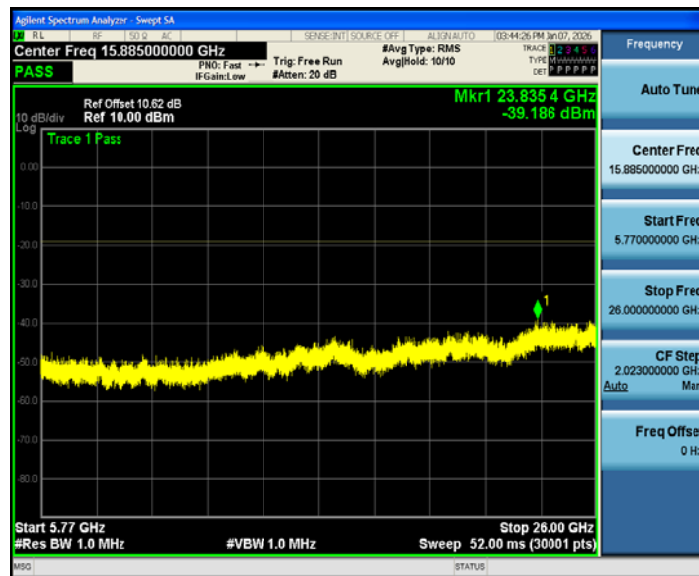
CH 110: 5550MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



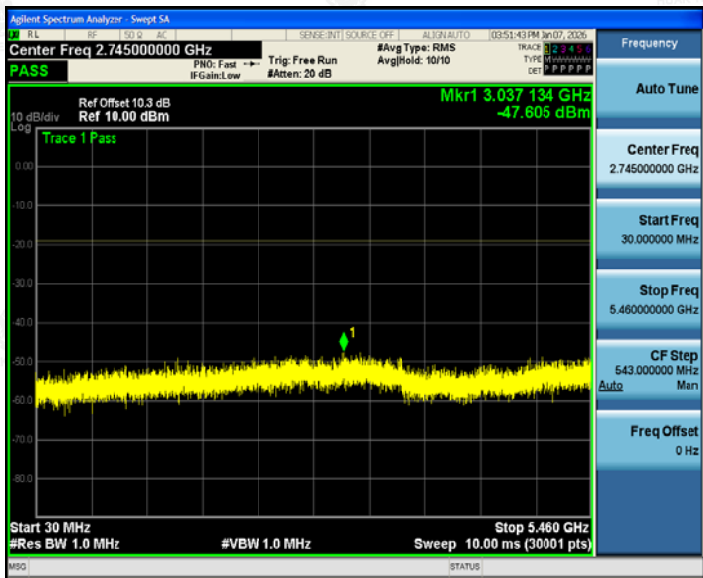
CH 110: 5550MHz - Frequency Band 2 ($5460 \text{ MHz} \leq f \leq 5470 \text{ MHz}$)



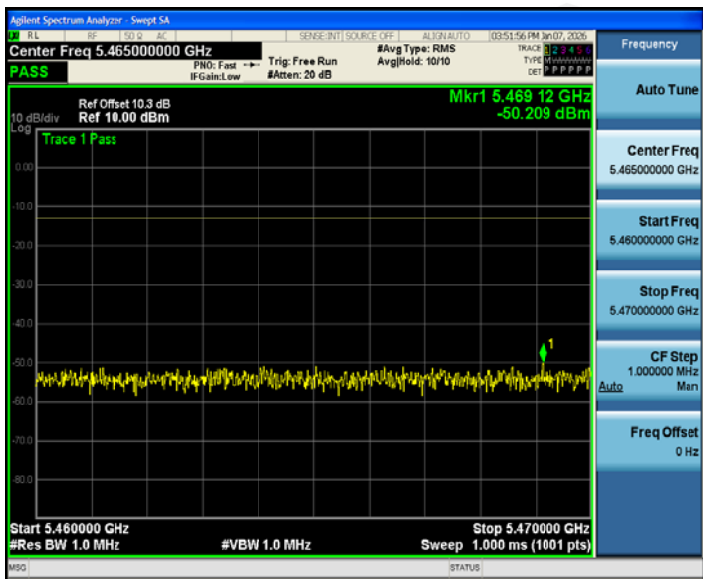
CH 110: 5550MHz - Frequency Band 3 ($5770 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



CH 134: 5670MHz - Frequency Band 1 (30 MHz ≤ f ≤ 5460 MHz)



CH 134: 5670MHz - Frequency Band 2 (5460 MHz ≤ f ≤ 5470 MHz)



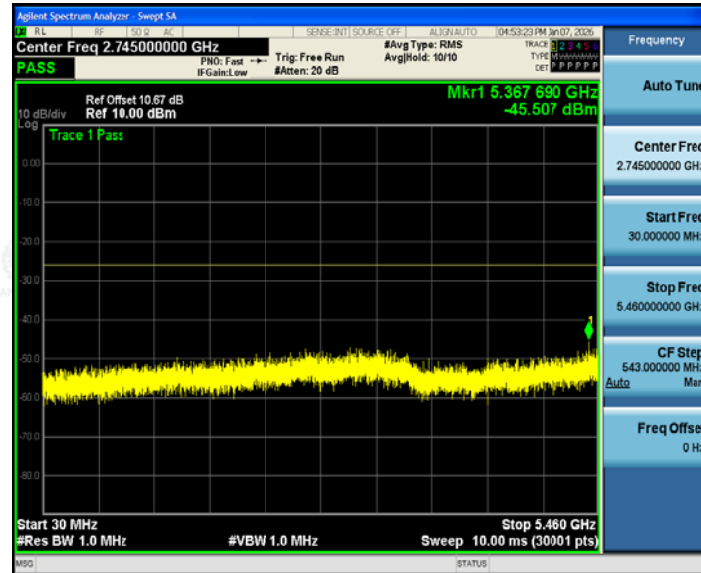
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CH 134: 5670MHz - Frequency Band 3 (5770 MHz $\leq$ f $\leq$ 26000 MHz)

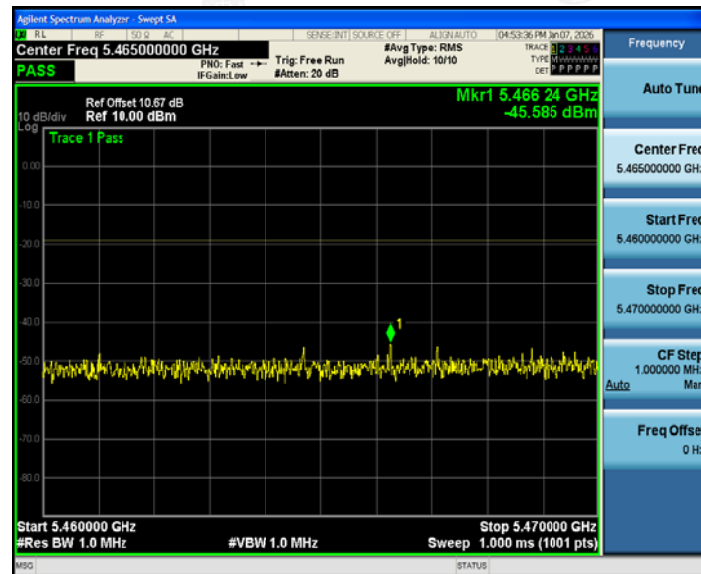


802.11ac(TH20)

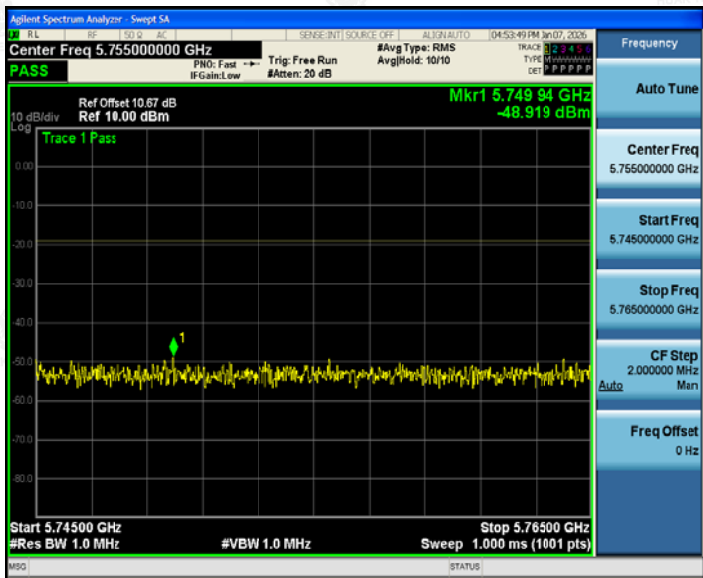
CH 100: 5500MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



CH 100: 5500MHz - Frequency Band 2 ($5460 \text{ MHz} \leq f \leq 5470 \text{ MHz}$)



CH 100: 5500MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)

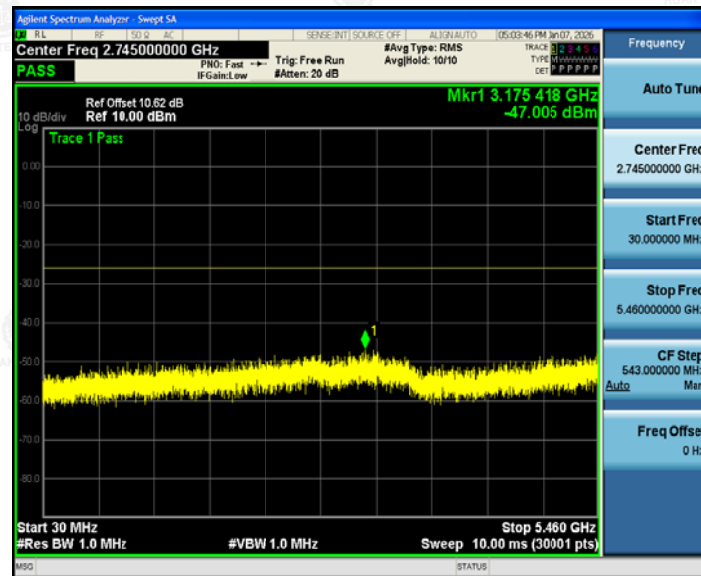


CH 100: 5500MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)

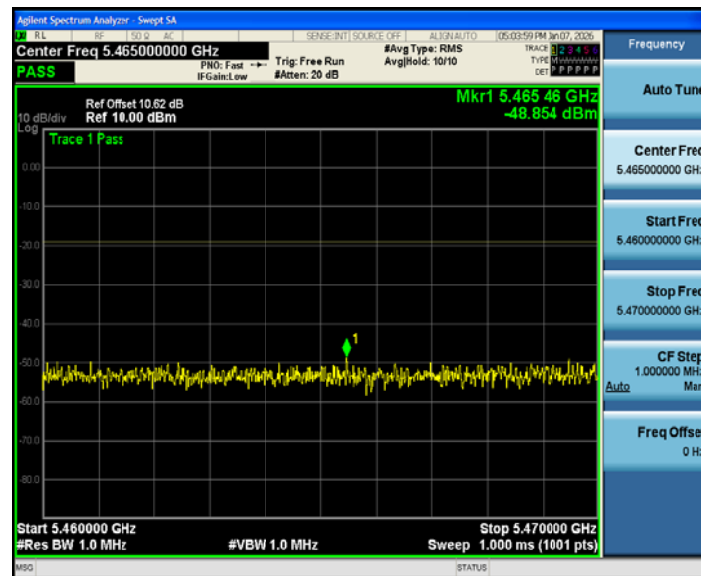


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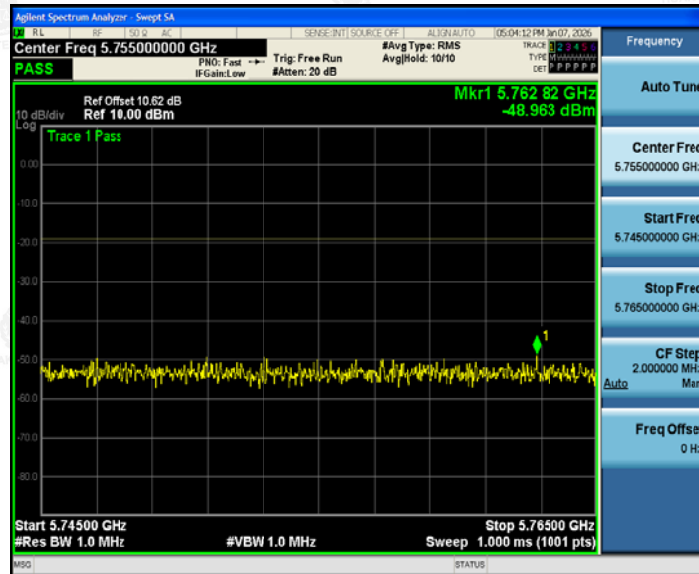
CH 116: 5580MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 116: 5580MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



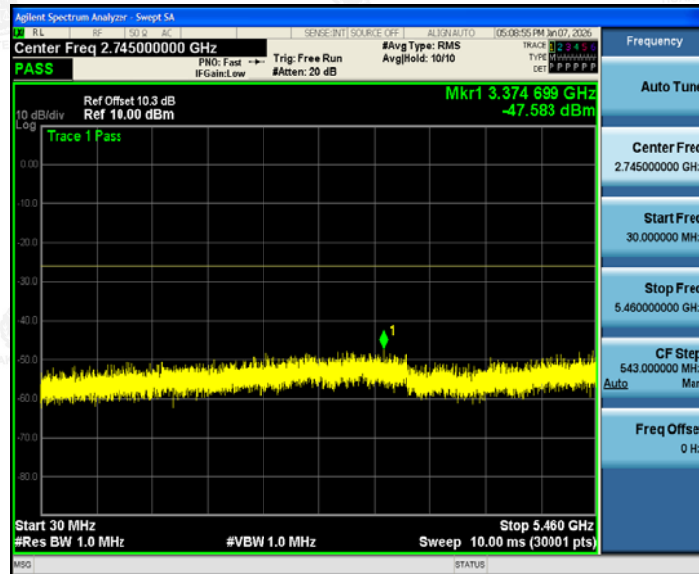
CH 116: 5580MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)



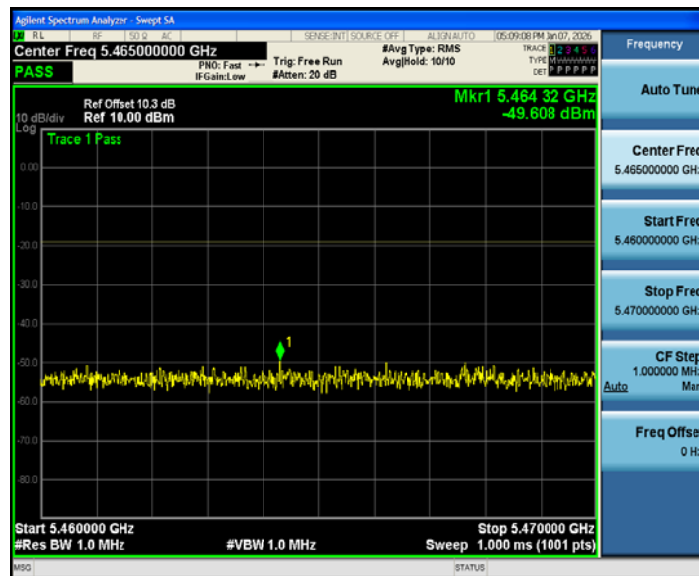
CH 116: 5580MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



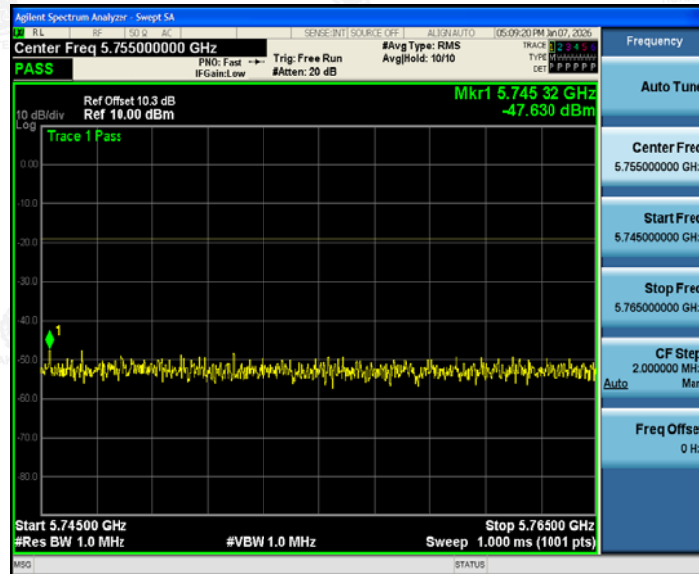
CH 140: 5700MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



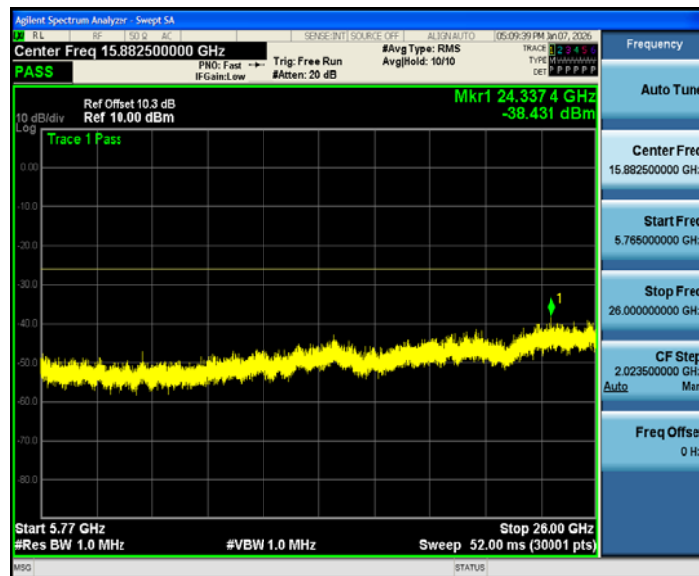
CH 140: 5700MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



CH 140: 5700MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)

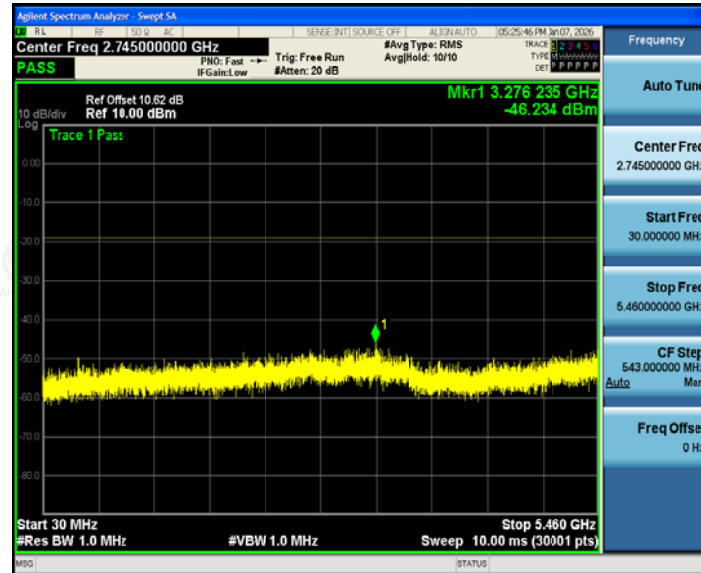


CH 140: 5700MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)

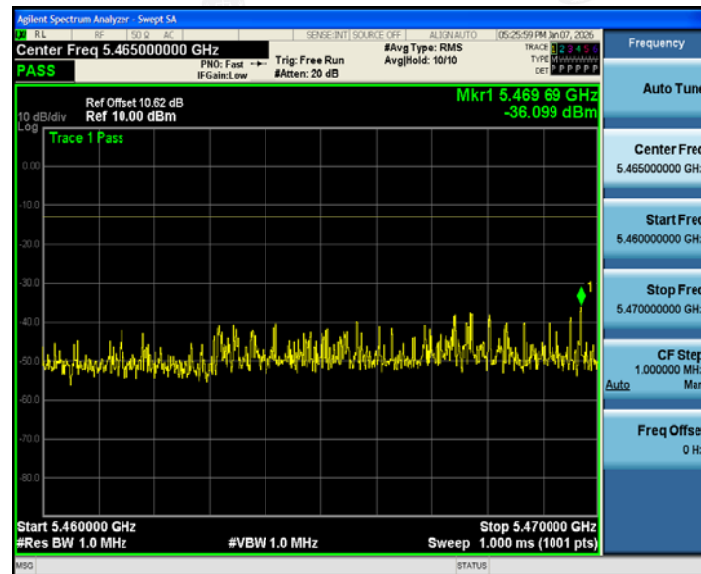


802.11ac(HT40)

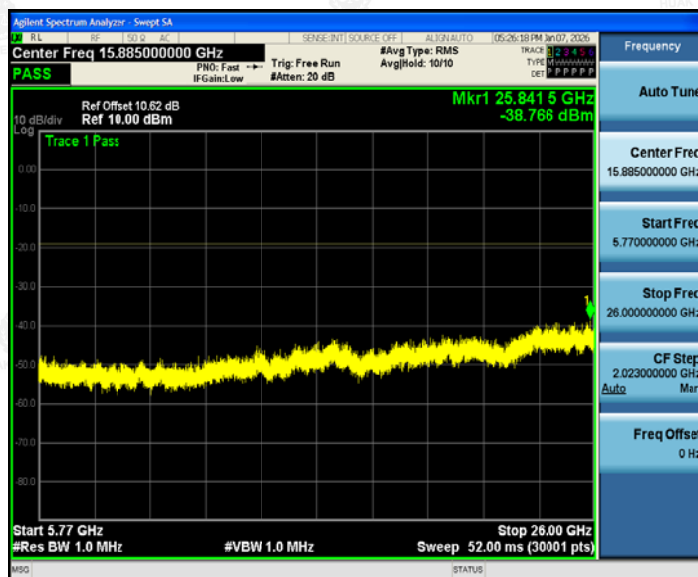
CH 102: 5510MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



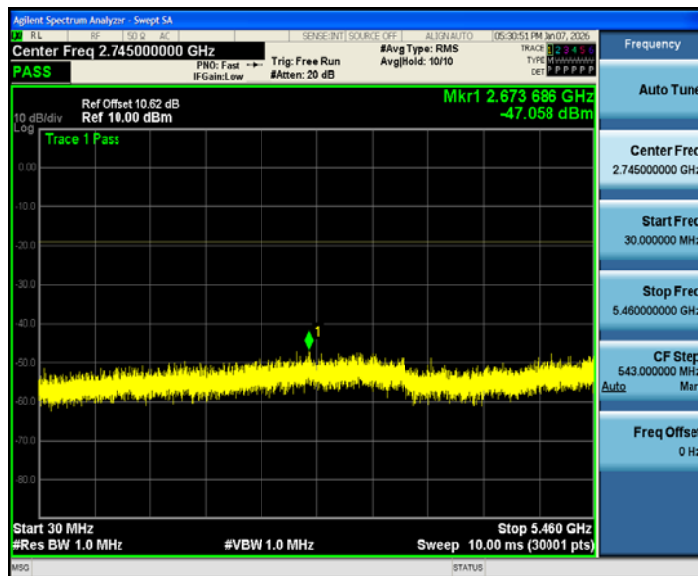
CH 102: 5510MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



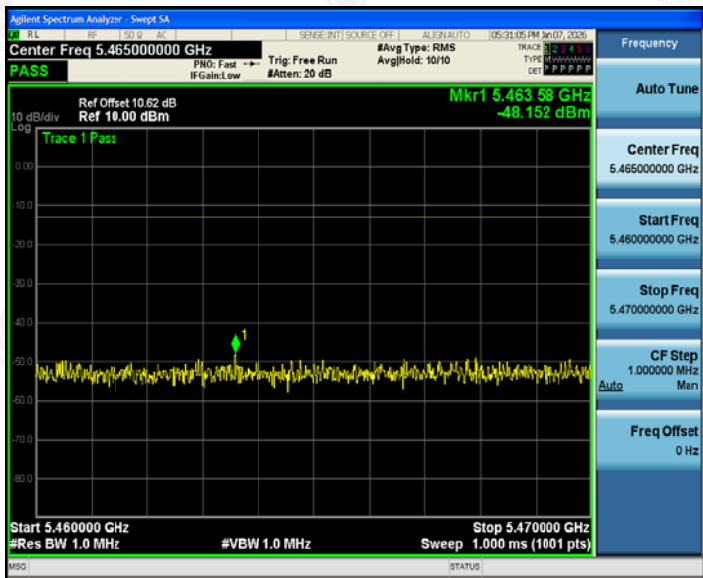
CH 102: 5510MHz - Frequency Band 3 ($5770 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



CH 110: 5550MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



CH 110: 5550MHz - Frequency Band 2 (5460 MHz ≤ f ≤ 5470 MHz)



CH 110: 5550MHz - Frequency Band 3 (5770 MHz ≤ f ≤ 26000 MHz)

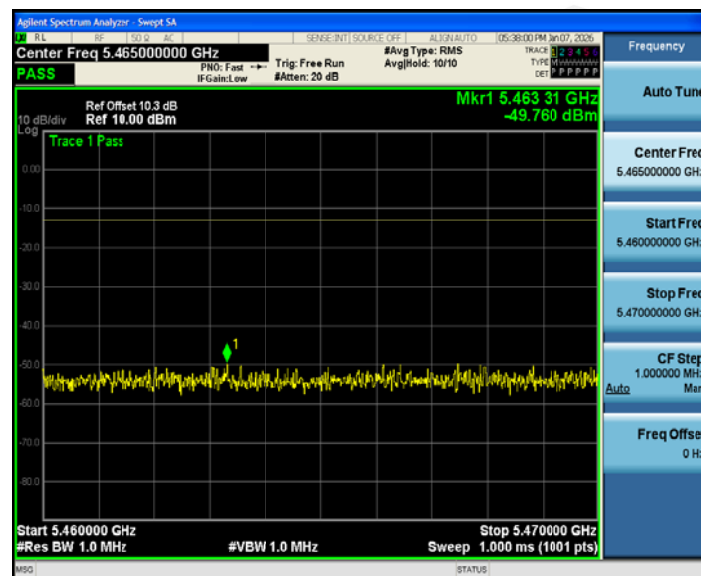


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CH 134: 5670MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 134: 5670MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



CH 134: 5670MHz - Frequency Band 3 (5770 MHz $\leq$ f $\leq$ 26000 MHz)



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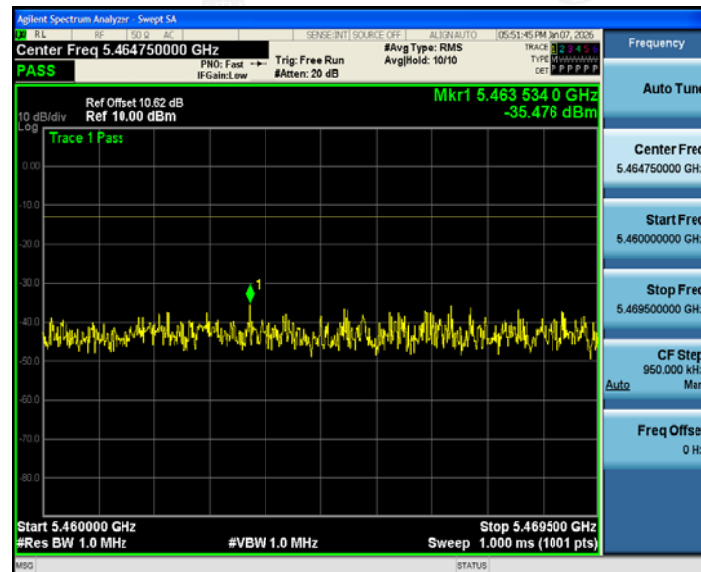
Shenzhen HUAKE Testing Technology Co., Ltd. Tel.: +86-0755-2302 9901 E-mail: info@huak.com Web.: www.huak.com
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802.11ac(HT80)

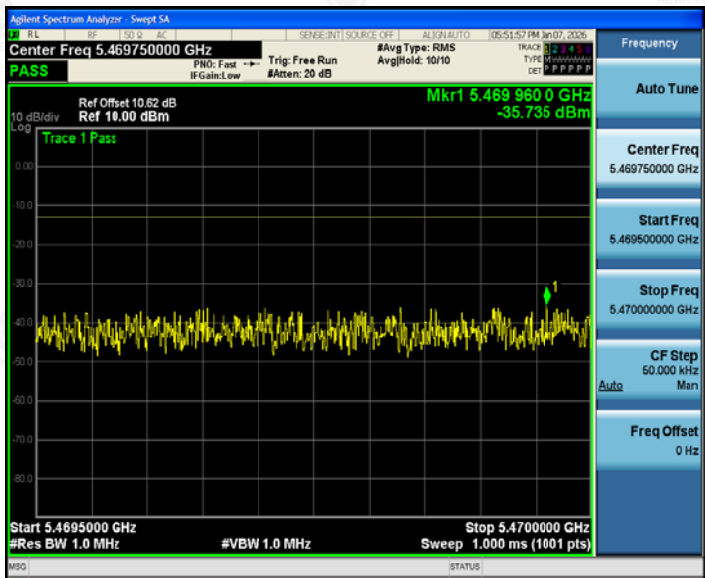
CH 106: 5530MHz - Frequency Band 1 (30 MHz $\cong$ f $\cong$ 5460 MHz)



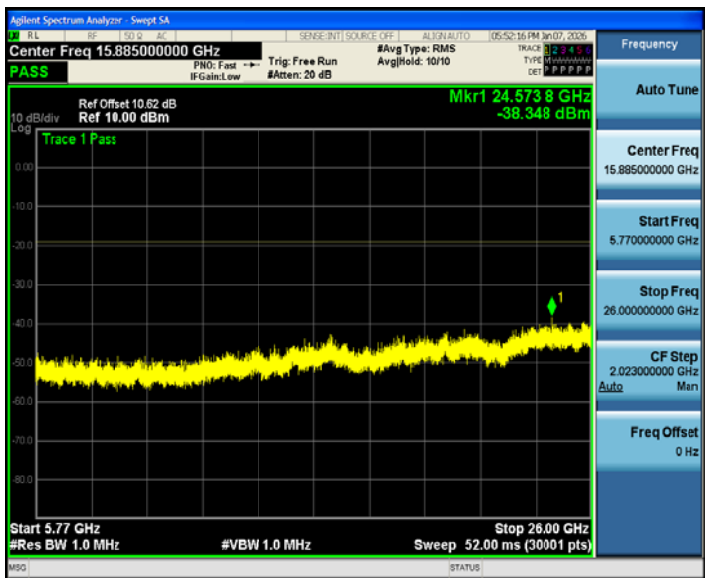
CH 106: 5530MHz - Frequency Band 2 (5460 MHz $\cong$ f $\cong$ 5469.5 MHz)



CH 106: 5530MHz - Frequency Band 3 (5469.5 MHz ≤ f ≤ 5470 MHz)



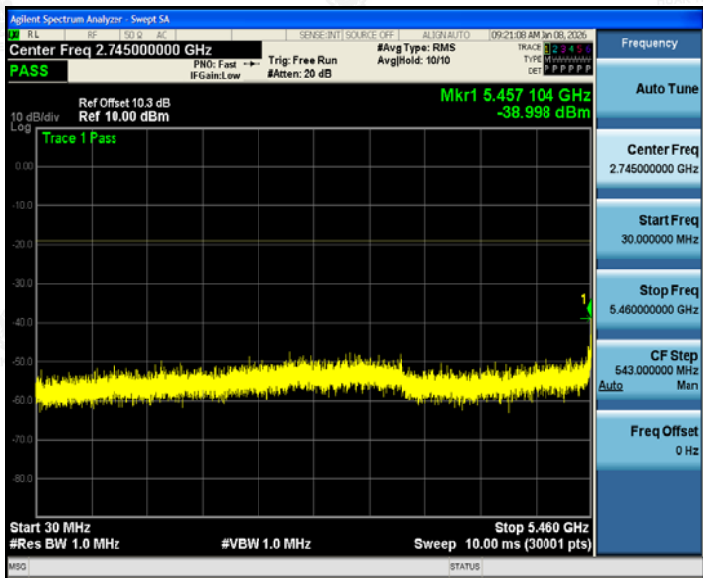
CH 106: 5530MHz - Frequency Band 4 (5770 MHz ≤ f ≤ 26000 MHz)



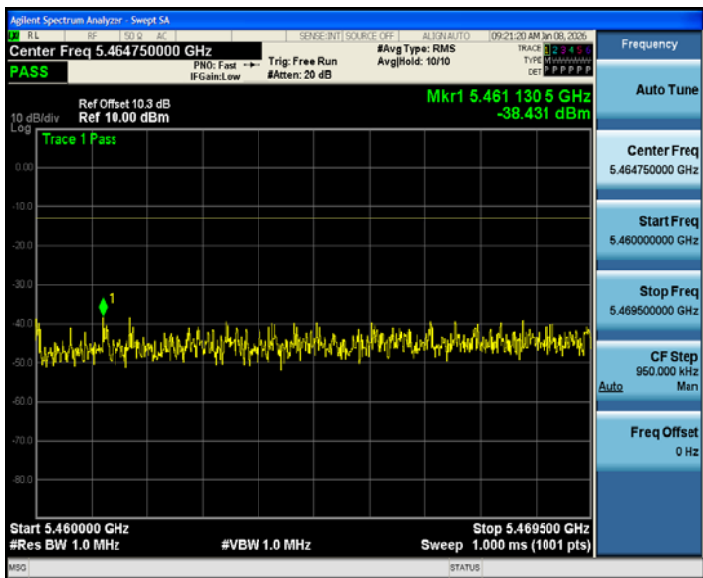
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CH 122: 5610MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



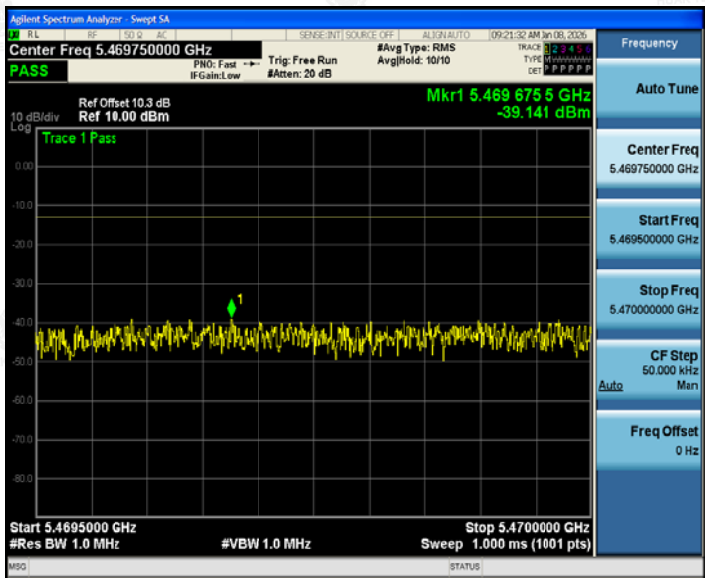
CH 122: 5610MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5469.5\text{ MHz}$)



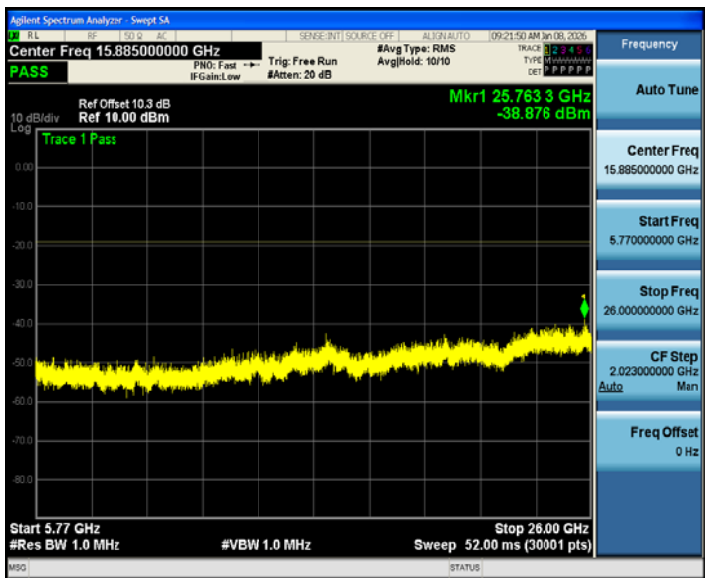
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CH 122: 5610MHz - Frequency Band 3 (5469.5 MHz ≤ f ≤ 5470 MHz)



CH 122: 5610MHz - Frequency Band 4 (5770 MHz ≤ f ≤ 26000 MHz)



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

EUT:	Air Reflector	Test Date:	Jan. 07, 2026
Temperature:	25°C	Tested by:	Len Liao
Humidity:	55 % RH	Test Voltage	Normal Voltage
Operation Mode:	Normal Voltage-802.11a/n/ac		

For ANT.2

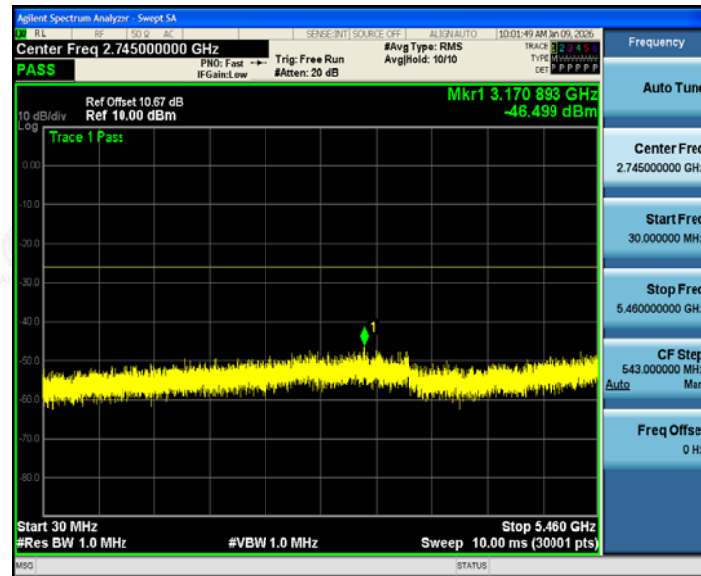
Test Mode	Test channel	StartFre [MHz]	StopFre [MHz]	Mkr Fre [MHz]	Max.Fre [dBm/MHz]	Max.Level [μW/MHz]	Limit [μW/MHz]	Verdict
802.11a	5500	30	5460	3170.89	-46.50	0.02239	≤2.5	PASS
802.11a	5500	5460	5470	5469.14	-43.87	0.04102	≤12.5	PASS
802.11a	5500	5745	5765	5747.66	-49.06	0.01242	≤12.5	PASS
802.11a	5500	5765	26000	25247.26	-39.02	0.12531	≤2.5	PASS
802.11a	5580	30	5460	3135.60	-46.63	0.02173	≤2.5	PASS
802.11a	5580	5460	5470	5460.72	-49.11	0.01227	≤12.5	PASS
802.11a	5580	5745	5765	5745.08	-49.81	0.01045	≤12.5	PASS
802.11a	5580	5765	26000	25714.01	-39.15	0.12162	≤2.5	PASS
802.11a	5700	30	5460	2639.66	-47.50	0.01778	≤2.5	PASS
802.11a	5700	5460	5470	5466.35	-49.75	0.01059	≤12.5	PASS
802.11a	5700	5745	5765	5756.42	-48.09	0.01552	≤12.5	PASS
802.11a	5700	5765	26000	25707.94	-37.99	0.15885	≤2.5	PASS
802.11n(HT20)	5500	30	5460	2710.79	-46.75	0.02113	≤2.5	PASS
802.11n(HT20)	5500	5460	5470	5469.39	-44.40	0.03631	≤12.5	PASS
802.11n(HT20)	5500	5745	5765	5759.38	-48.59	0.01384	≤12.5	PASS
802.11n(HT20)	5500	5765	26000	25946.71	-38.88	0.12942	≤2.5	PASS
802.11n(HT20)	5580	30	5460	2534.14	-39.01	0.12560	≤2.5	PASS
802.11n(HT20)	5580	5460	5470	5466.67	-48.84	0.01306	≤12.5	PASS
802.11n(HT20)	5580	5745	5765	5762.88	-48.95	0.01274	≤12.5	PASS
802.11n(HT20)	5580	5765	26000	23908.38	-39.31	0.11722	≤2.5	PASS
802.11n(HT20)	5700	30	5460	5455.29	-47.06	0.01968	≤2.5	PASS
802.11n(HT20)	5700	5460	5470	5460.34	-49.34	0.01164	≤12.5	PASS
802.11n(HT20)	5700	5745	5765	5753.34	-47.61	0.01734	≤12.5	PASS
802.11n(HT20)	5700	5765	26000	25846.89	-38.67	0.13583	≤2.5	PASS
802.11n(HT40)	5510	30	5460	5459.10	-40.54	0.08831	≤12.5	PASS
802.11n(HT40)	5510	5460	5470	5468.42	-34.81	0.33037	≤50	PASS
802.11n(HT40)	5510	5770	26000	25226.54	-38.83	0.13092	≤12.5	PASS
802.11n(HT40)	5550	30	5460	3077.86	-46.62	0.02178	≤12.5	PASS
802.11n(HT40)	5550	5460	5470	5466.68	-47.55	0.01758	≤50	PASS
802.11n(HT40)	5550	5770	26000	25881.32	-39.24	0.11912	≤12.5	PASS

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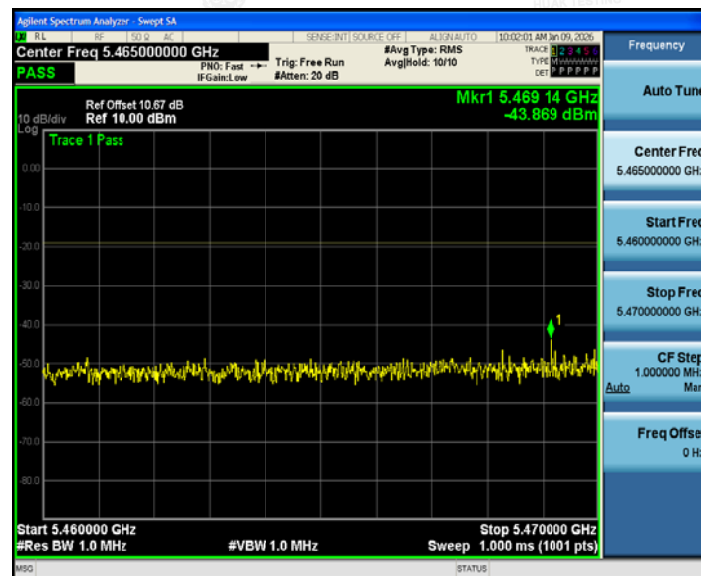
802.11n(HT40)	5670	30	5460	3335.42	-47.40	0.01820	≤12.5	PASS
802.11n(HT40)	5670	5460	5470	5465.00	-49.54	0.01112	≤50	PASS
802.11n(HT40)	5670	5770	26000	25824.00	-39.56	0.11066	≤12.5	PASS
802.11ac(HT20)	5500	30	5460	2703.91	-46.71	0.02133	≤2.5	PASS
802.11ac(HT20)	5500	5460	5470	5468.96	-44.83	0.03289	≤12.5	PASS
802.11ac(HT20)	5500	5745	5765	5748.24	-50.21	0.00953	≤12.5	PASS
802.11ac(HT20)	5500	5765	26000	25582.48	-39.06	0.12417	≤2.5	PASS
802.11ac(HT20)	5580	30	5460	898.44	-45.48	0.02831	≤2.5	PASS
802.11ac(HT20)	5580	5460	5470	5469.21	-48.59	0.01384	≤12.5	PASS
802.11ac(HT20)	5580	5745	5765	5749.66	-48.93	0.01279	≤12.5	PASS
802.11ac(HT20)	5580	5765	26000	25244.56	-38.76	0.13305	≤2.5	PASS
802.11ac(HT20)	5700	30	5460	3011.61	-46.72	0.02128	≤2.5	PASS
802.11ac(HT20)	5700	5460	5470	5460.76	-49.39	0.01151	≤12.5	PASS
802.11ac(HT20)	5700	5745	5765	5757.44	-48.48	0.01419	≤12.5	PASS
802.11ac(HT20)	5700	5765	26000	24603.79	-38.51	0.14093	≤2.5	PASS
802.11ac(HT40)	5510	30	5460	2584.82	-44.97	0.03184	≤12.5	PASS
802.11ac(HT40)	5510	5460	5470	5468.05	-37.48	0.17865	≤50	PASS
802.11ac(HT40)	5510	5770	26000	25720.15	-38.50	0.14125	≤12.5	PASS
802.11ac(HT40)	5550	30	5460	2528.52	-40.80	0.08318	≤12.5	PASS
802.11ac(HT40)	5550	5460	5470	5469.24	-48.33	0.01469	≤50	PASS
802.11ac(HT40)	5550	5770	26000	25225.19	-39.22	0.11967	≤12.5	PASS
802.11ac(HT40)	5670	30	5460	2531.78	-44.36	0.03664	≤12.5	PASS
802.11ac(HT40)	5670	5460	5470	5461.91	-49.59	0.01099	≤50	PASS
802.11ac(HT40)	5670	5770	26000	25811.19	-39.43	0.11402	≤12.5	PASS
802.11ac(HT80)	5530	30	5460	5441.72	-34.86	0.32659	≤12.5	PASS
802.11ac(HT80)	5530	5460	5469.5	5466.37	-32.15	0.60954	≤50	PASS
802.11ac(HT80)	5530	5469.5	5470	5469.54	-31.82	0.65766	≤51.2	PASS
802.11ac(HT80)	5530	5770	26000	25766.01	-38.76	0.13305	≤12.5	PASS
802.11ac(HT80)	5610	30	5460	5454.57	-41.98	0.06339	≤12.5	PASS
802.11ac(HT80)	5610	5460	5469.5	5461.38	-34.66	0.34198	≤50	PASS
802.11ac(HT80)	5610	5469.5	5470	5469.98	-35.56	0.27797	≤51.2	PASS
802.11ac(HT80)	5610	5770	26000	25233.28	-39.39	0.11508	≤12.5	PASS

802.11a

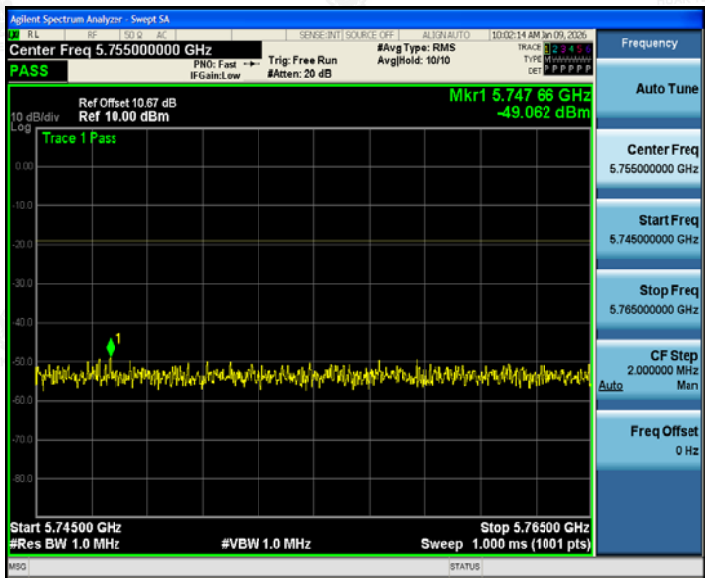
CH 100: 5500MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



CH 100: 5500MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



CH 100: 5500MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)



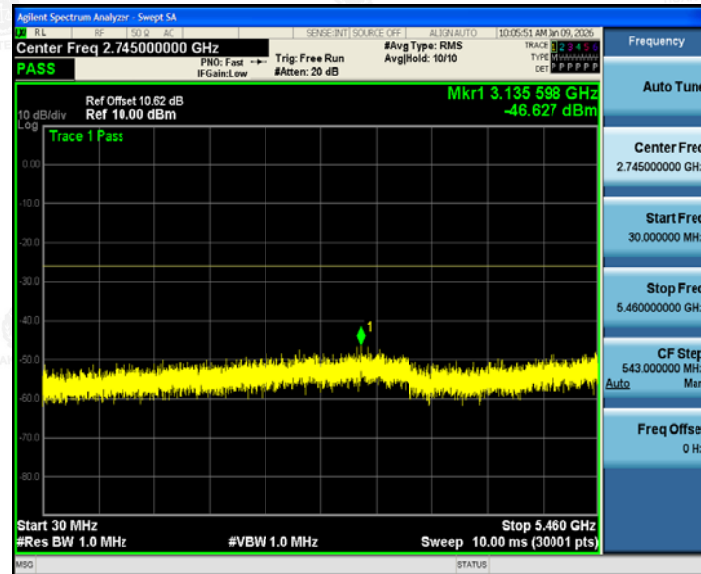
CH 100: 5500MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)



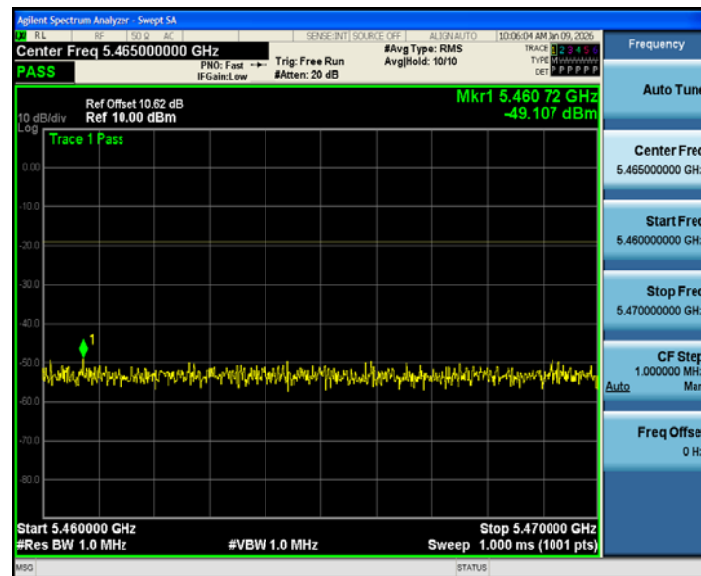
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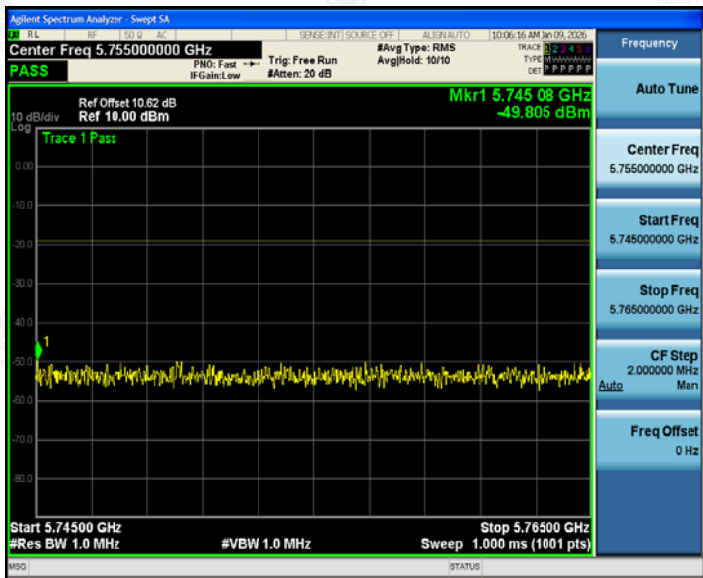
CH 116: 5580MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 116: 5580MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



CH 116: 5580MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)

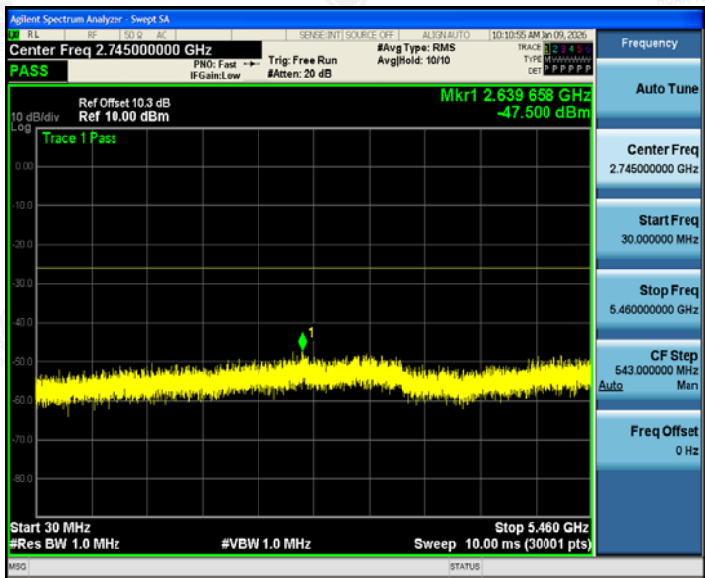


CH 116: 5580MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)

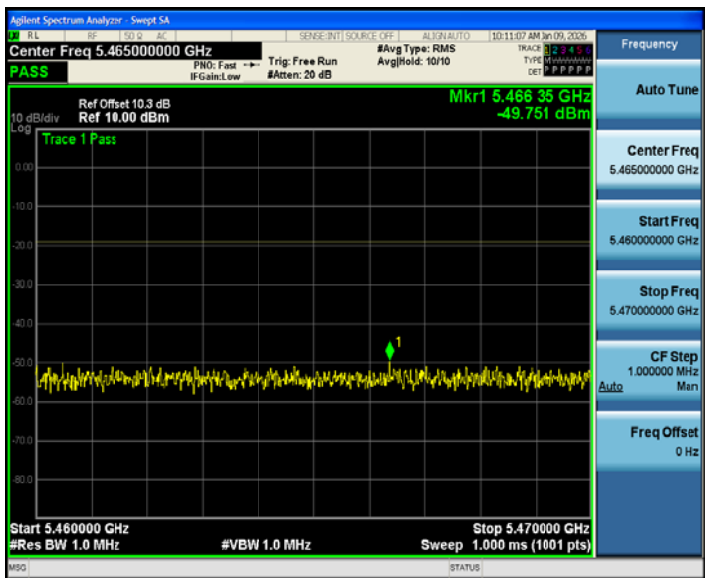


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CH 140: 5700MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



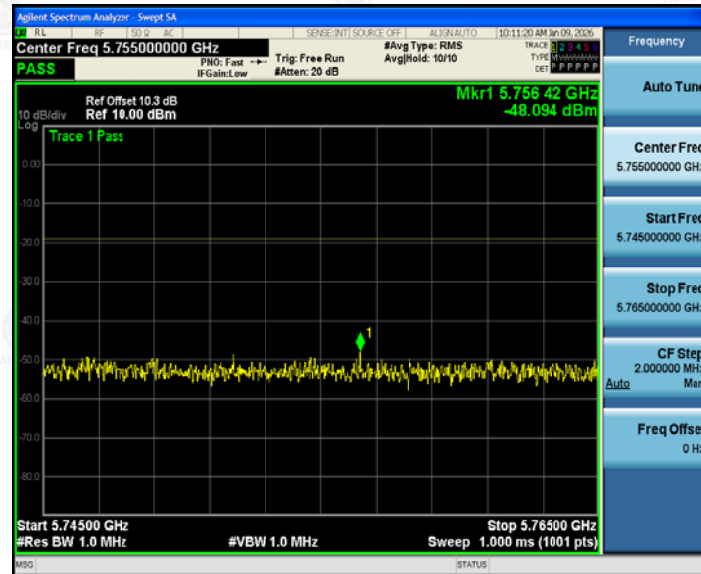
CH 140: 5700MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



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CH 140: 5700MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)

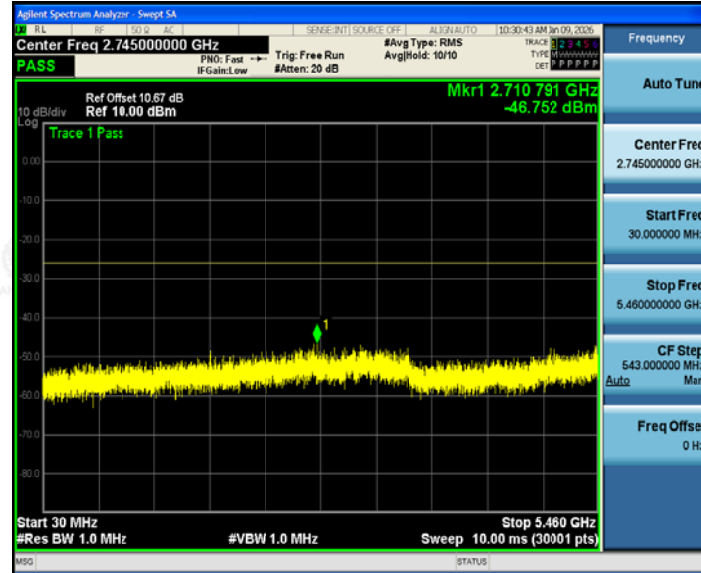


CH 140: 5700MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)

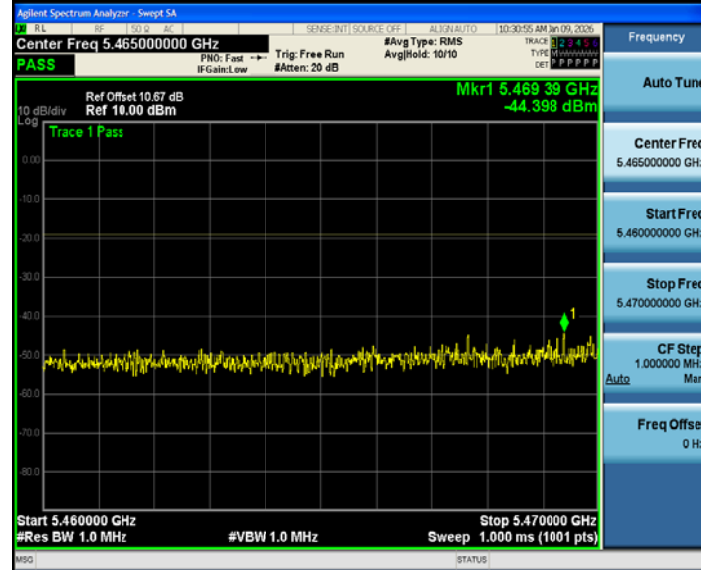


802.11n(HT20)

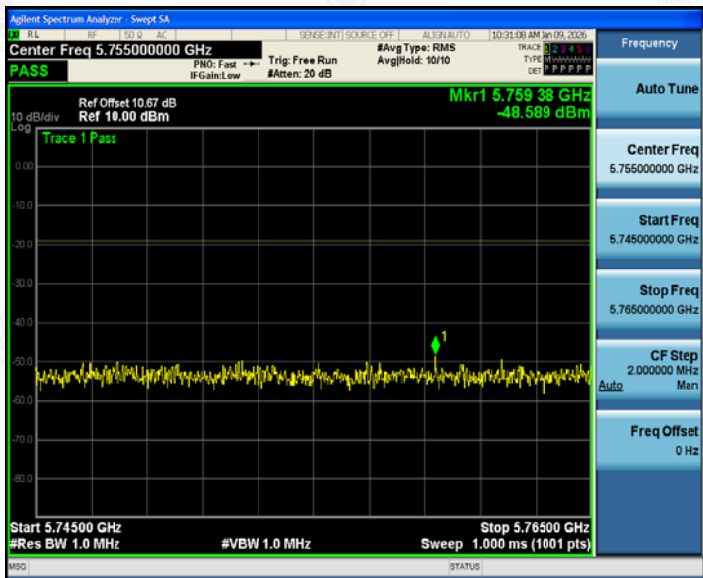
CH 100: 5500MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



CH 100: 5500MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



CH 100: 5500MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)

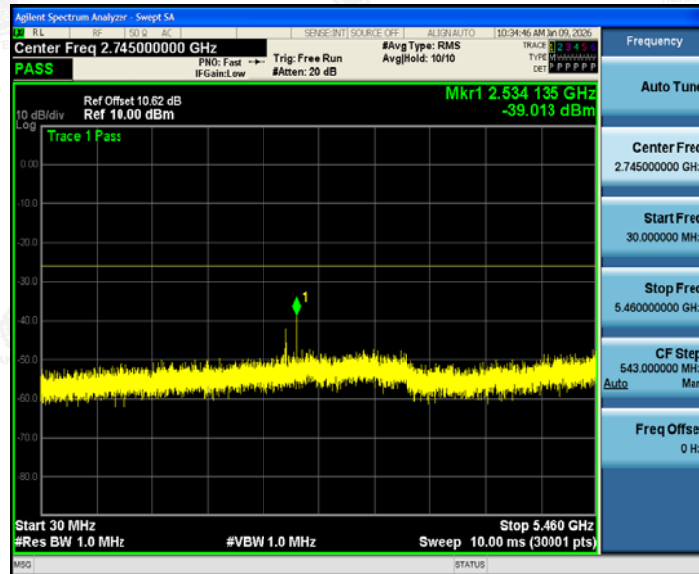


CH 100: 5500MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)

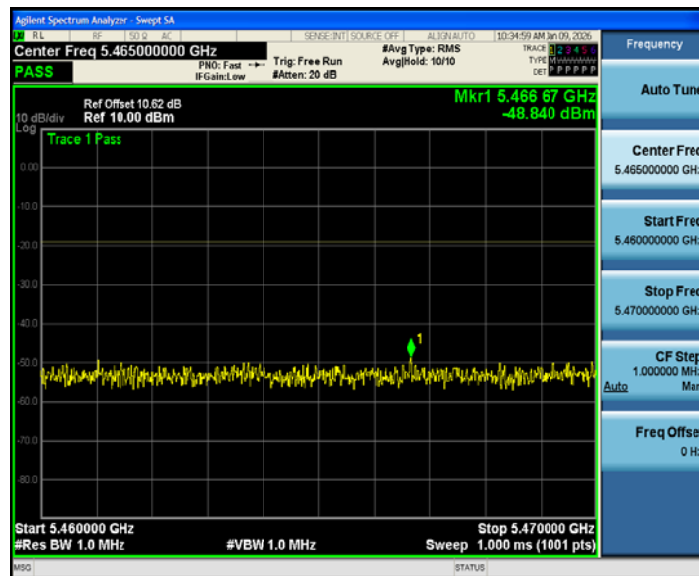


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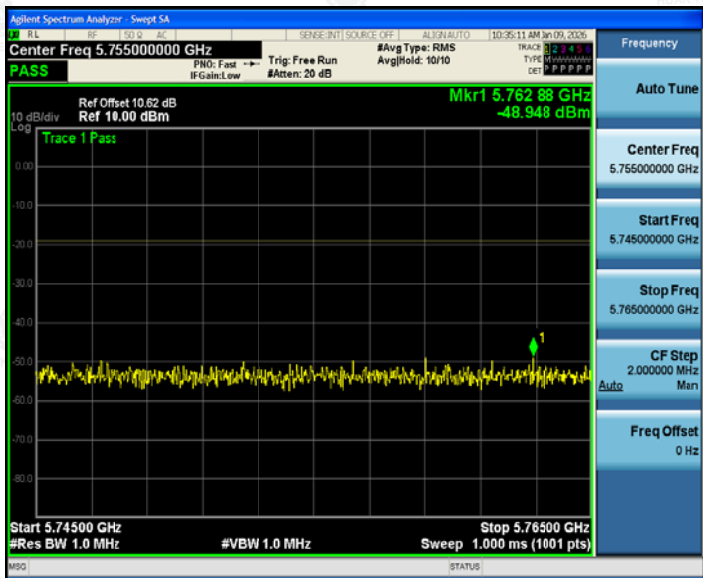
CH 116: 5580MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



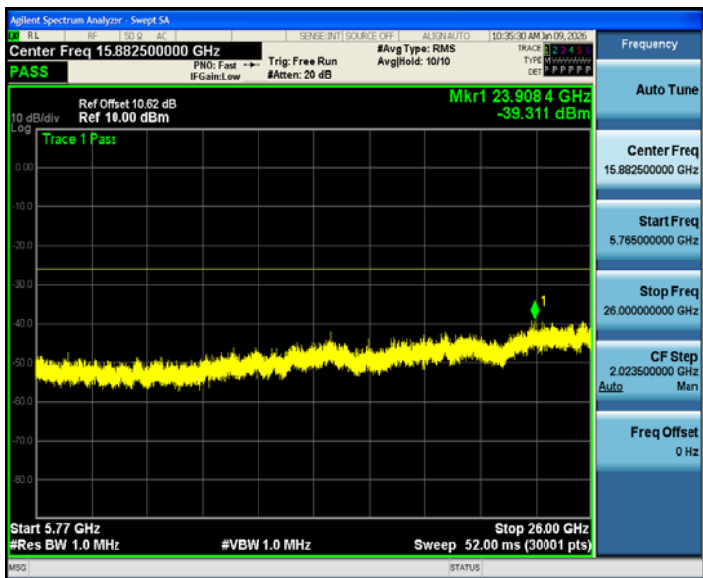
CH 116: 5580MHz - Frequency Band 2 ($5460 \text{ MHz} \leq f \leq 5470 \text{ MHz}$)



CH 116: 5580MHz - Frequency Band 3 (5745 MHz ≤ f ≤ 5765 MHz)

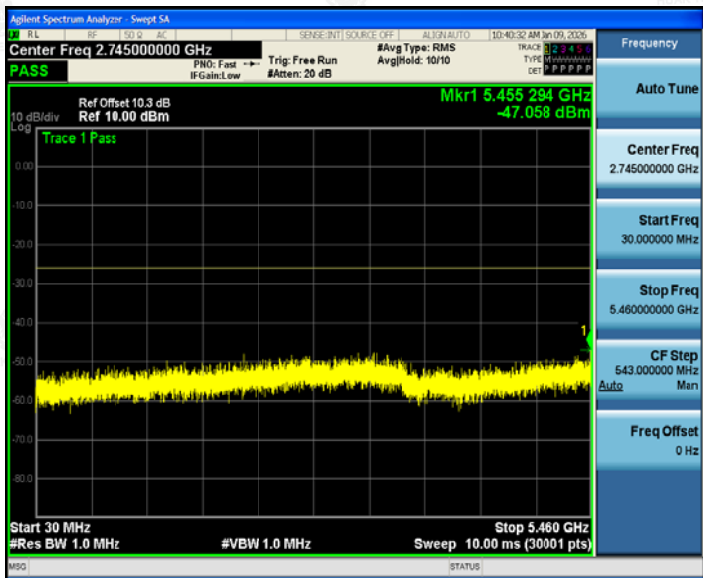


CH 116: 5580MHz - Frequency Band 4 (5765 MHz ≤ f ≤ 26000 MHz)

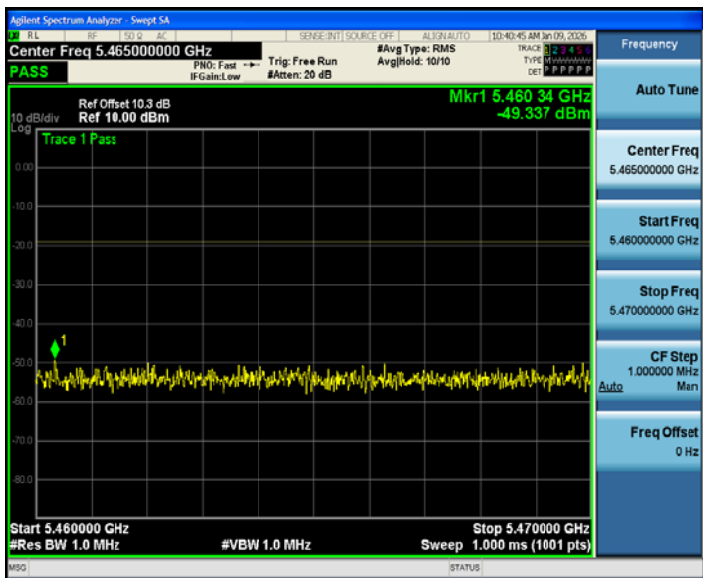


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CH 140: 5700MHz - Frequency Band 1 (30 MHz ≤ f ≤ 5460 MHz)

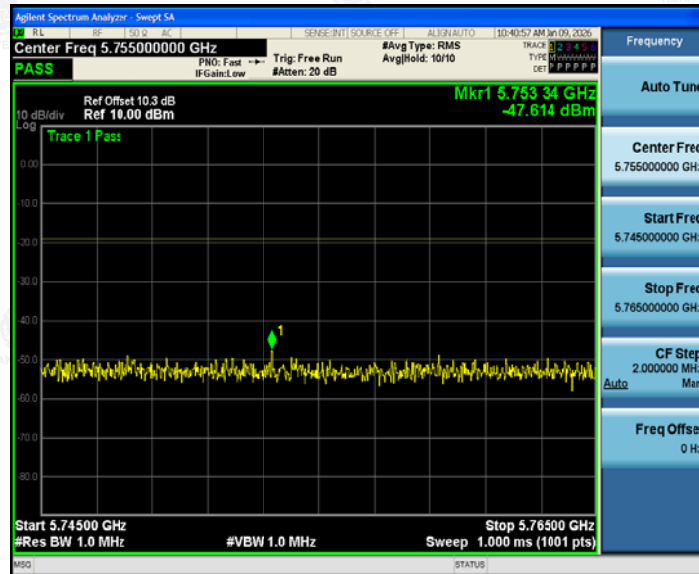


CH 140: 5700MHz - Frequency Band 2 (5460 MHz ≤ f ≤ 5470 MHz)

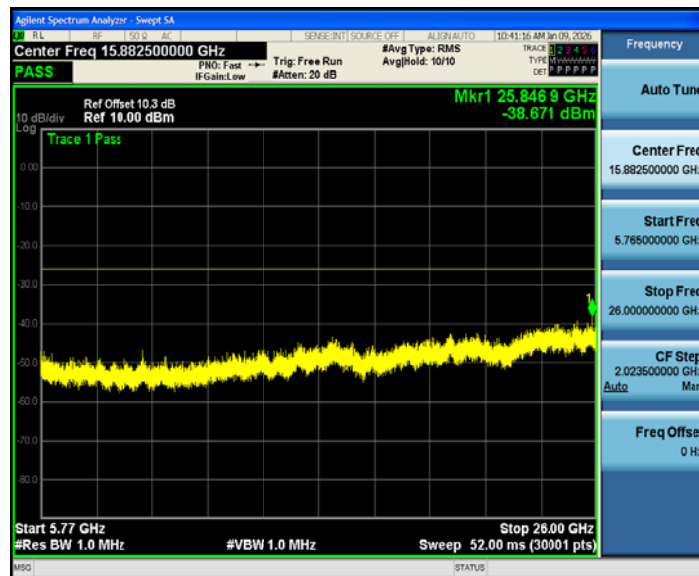


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CH 140: 5700MHz - Frequency Band 3 ($5745 \text{ MHz} \leq f \leq 5765 \text{ MHz}$)



CH 140: 5700MHz - Frequency Band 4 ($5765 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)

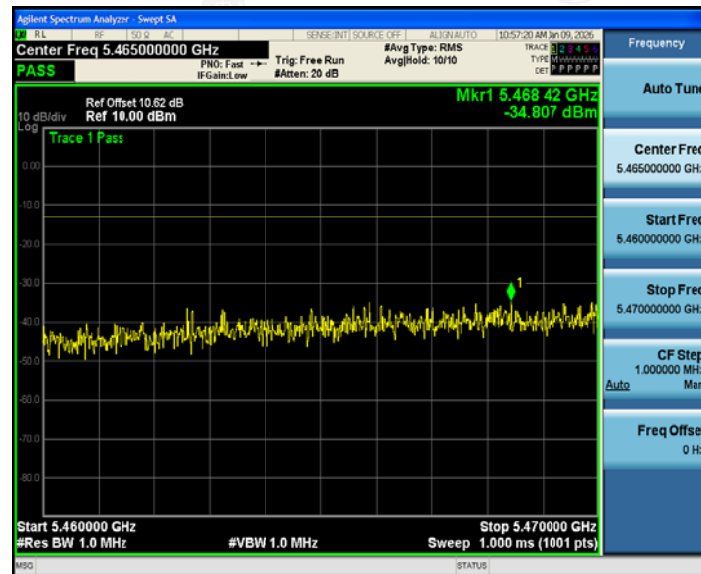


802.11n(HT40)

CH 102: 5510MHz - Frequency Band 1 (30 MHz $\leq$ f $\leq$ 5460 MHz)



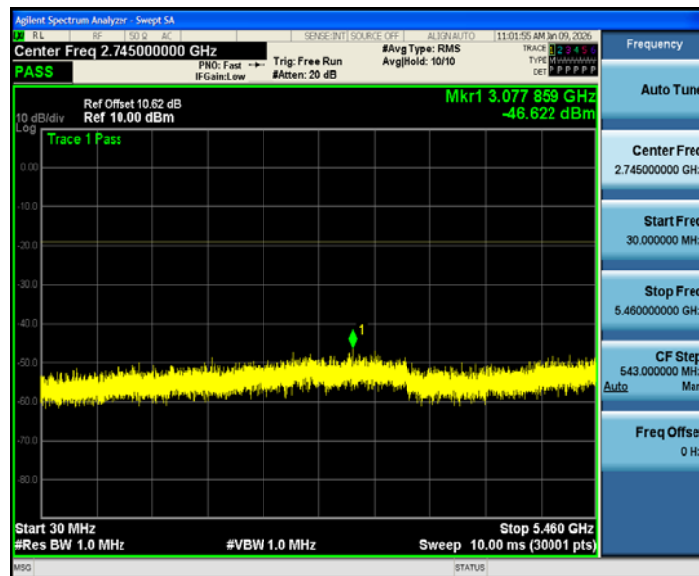
CH 102: 5510MHz - Frequency Band 2 (5460 MHz $\leq$ f $\leq$ 5470 MHz)



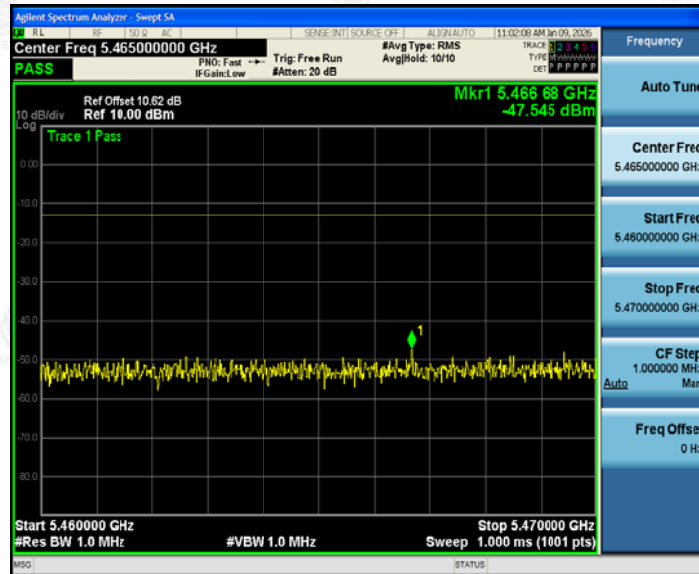
CH 102: 5510MHz - Frequency Band 3 ($5770 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



CH 110: 5550MHz - Frequency Band 1 ($30 \text{ MHz} \leq f \leq 5460 \text{ MHz}$)



CH 110: 5550MHz - Frequency Band 2 ($5460 \text{ MHz} \leq f \leq 5470 \text{ MHz}$)



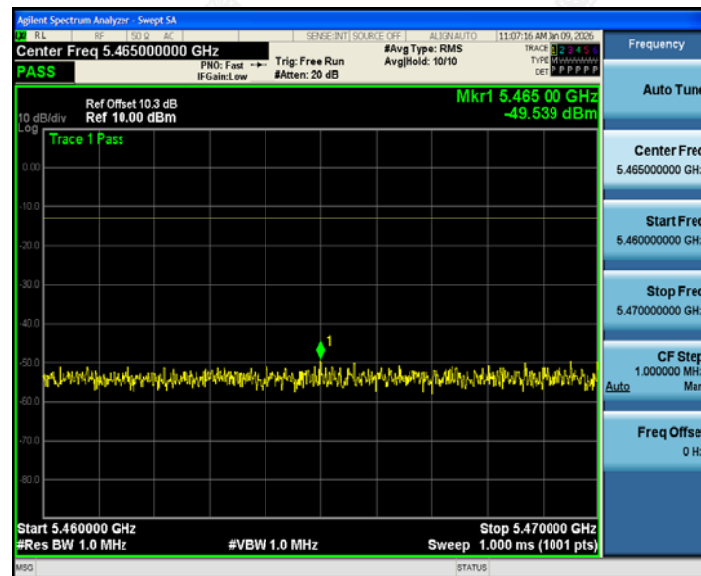
CH 110: 5550MHz - Frequency Band 3 ($5770 \text{ MHz} \leq f \leq 26000 \text{ MHz}$)



CH 134: 5670MHz - Frequency Band 1 ($30\text{ MHz} \leq f \leq 5460\text{ MHz}$)



CH 134: 5670MHz - Frequency Band 2 ($5460\text{ MHz} \leq f \leq 5470\text{ MHz}$)



CH 134: 5670MHz - Frequency Band 3 (5770 MHz $\leq$ f $\leq$ 26000 MHz)



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