

FCC Test Report

**Test report
On Behalf of
Winner Wave Limited
For
Pocket
Model No.: R-1D, R-1, R-2, R-2D, R-3, R-3D
FCC ID: 2ADFS-POCKET-R-1D**

**Prepared For : Winner Wave Limited
Unit 2003 Cheong Tai Commercial Building 287-289 Reclamation Street Kowloon,
Hong Kong**

**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: Dec. 11, 2025 ~ Dec. 31, 2025

Date of Report: Dec. 31, 2025

Report Number: HK2512116507-2E

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Test Result Certification

Applicant's name: Winner Wave Limited
Address: Unit 2003 Cheong Tai Commercial Building 287-289 Reclamation Street, Kowloon, Hong Kong
Manufacturer's Name: Actions Microelectronics Co., Ltd.
Address: 201, No.9 Building, Software Park, KeJiZhongEr Road, GaoXinQu, NanShan, Shenzhen, China

Product description

Trade Mark: EZCast
Product name: Pocket
Model and/or type reference : R-1D, R-1, R-2, R-2D, R-3, R-3D

Standards: FCC 47 CFR Part 15 Subpart E

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Date of Test:

Date (s) of performance of tests: Dec. 11, 2025 ~ Dec. 31, 2025

Date of Issue: Dec. 31, 2025

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	Dec. 31, 2025	Jason Zhou

1. EUT Description

Product Name:	Pocket			
Trade Mark:	EZCast			
Model Name:	R-1D			
Series Model:	R-1, R-2, R-2D, R-3, R-3D			
Model Difference:	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: R-1D.			
Power Rating	DC5V From Type-C			
Frequency Range:	Band	Mode	Frequency Range(MHz)	Number of Channels
	Band II UNII-2A	IEEE802.11a mode	5250 MHz ~5350 MHz	4
		IEEE802.11 n HT20 mode		4
		IEEE802.11 n HT40 mode		2
	Band II UNII-2C	IEEE802.11a mode	5470 MHz ~5725 MHz	4
		IEEE802.11 n HT20 mode		4
		IEEE802.11 n HT40 mode		3
Modulation Technique:	IEEE802.11a mode: OFDM (6,9,12,18,24,36,48 and 54 Mbps) IEEE802.11 n HT20 mode: OFDM (MCS0~MCS7) IEEE802.11 n HT40 mode: OFDM (MCS0~MCS7)			
Antenna Specification:	Iron sheet antenna Band II UNII-2A Antenna 2.22dBi Band II UNII-2C Antenna 2.12dBi			
Operating Mode:	Client Without Radar Detection			
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.				

Remark:

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. This submittal(s) (test report) is intended for **ECCID: 2ADES-POCKET-R-1D** filing to comply with FCC Part 15, Subpart E Rules.

2. Test Methodology

The tests documented in this report were performed in accordance with ANSI C63.10:2013 and FCC CFR 47 15.207, 15.209 and 15.407.

2.1 EUT Configuration

The EUT configuration for testing is installed for RF field strength measurement to meet the Commissions requirement, and is operated in a manner intended to generate the maximum emission in a continuous normal application.

2.2 EUT Exercise

The EUT is operated in the engineering mode to fix the Tx frequency for the purposes of measurement. According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

2.3 General Test Procedures

AC Conducted Emissions

The EUT is placed on the turn table, which is positioned at 0.8 m above the ground plane. According to the requirements in Section 13.3 of ANSI C63.10:2013, the conducted emission from the EUT is measured in the frequency range between 0.15MHz and 30MHz, using the CISPR Quasi-Peak detector mode.

Radiated Emissions

Under 1GHz

The EUT is placed on a turn table, which is 0.8m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.10:2013.

Above 1GHz

The EUT is placed on a turn table, which is 1.5m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.10:2013.

2.4 FCC Part 15.205 Restricted Bands of Operations

Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.50 - 5.15
0.495 - 0.505 ⁽¹⁾	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960.0 - 1240	7.25 - 7.75
4.125 - 4.128	25.50 - 25.67	1300 - 1427	8.025 - 8.500
4.17725 - 4.17775	37.50 - 38.25	1435.0 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73.00 - 74.60	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.80 - 75.20	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108.00 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.90 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500.0	17.7 - 21.4
8.37625 - 8.38675	156.70 - 156.90	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.1700	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.20	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358.0	36.43 - 36.5 ⁽²⁾
12.57675 - 12.57725	322.0 - 335.4	3600 - 4400	
13.36 - 13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510MHz.

² Above 38.6

Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

2.5 Description of Test Modes

Description	Modulation Technology	Modulation Type
26dB Bandwidth and 99% bandwidth	OFDM	BPSK
Maximum conducted output power	OFDM	BPSK
Band edges measurement	OFDM	BPSK
Peak Power Spectral Density	OFDM	BPSK
Radiated undesirable emission	OFDM	BPSK
Power line conducted emission	OFDM	BPSK

IEEE802.11a mode:

Channel (5260MHz), Channel (5280MHz), Channel (5320MHz), Channel (5500MHz), Channel (5580MHz) and Channel (5700MHz) with 6Mbps data rate were chosen for full testing.

IEEE802.11n HT20 mode:

Channel (5260MHz), Channel (5280MHz), Channel (5320MHz), Channel (5500MHz), Channel (5580MHz) and Channel (5700MHz) with 6Mbps data rate were chosen for full testing.

IEEE802.11n HT40 mode:

Channel (5270MHz), Channel (5310MHz), Channel (5510MHz), Channel (5550MHz) and Channel (5670MHz) with 6Mbps data rate were chosen for full testing.

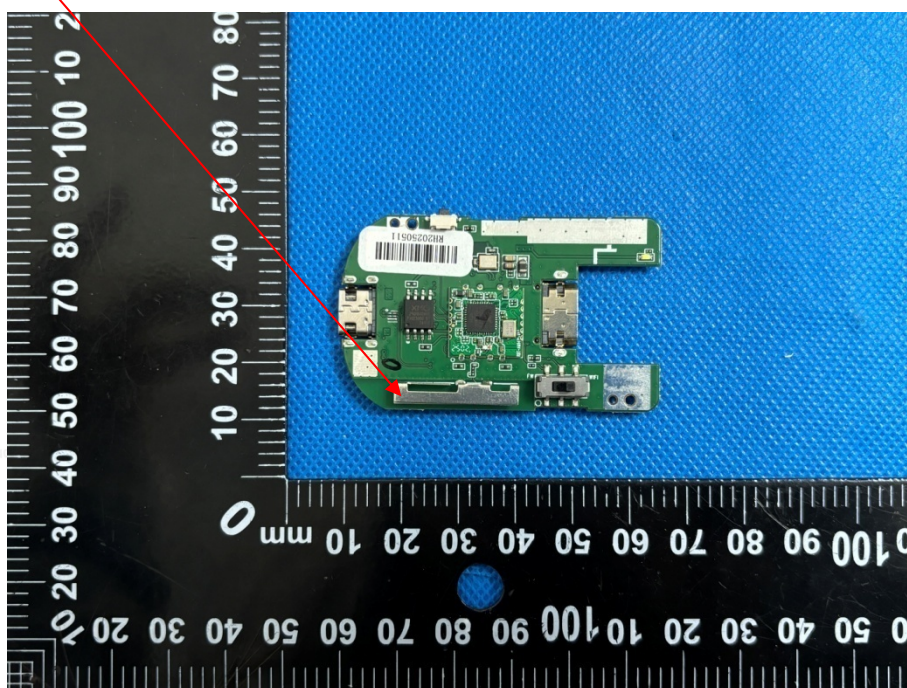
2.6 Antenna Description

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached or an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section”

* The antenna of this EUT is a unique (Iron sheet antenna for WiFi).

* The EUT complies with the requirement of 15.203.

WIFI ANTENNA





3. Instrument Calibration

The measuring equipment, which was utilized in performing the tests documented here in, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

3.1 Measurement Equipment Used

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	L.I.S.N.	R&S	ENV216	HKE-002	2025/02/19	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2025/02/19	1 Year
3	EMI Test Receiver	R&S	ESR	HKE-005	2025/02/19	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2025/02/19	1 Year
5	Spectrum analyzer	Agilent	N9020A	HKE-117	2025/02/19	1 Year
6	Spectrum analyzer	R&S	FSV3044	HKE-126	2025/02/19	1 Year
7	Preamplifier	EMCI	EMC051845S	HKE-006	2025/02/19	1 Year
8	Preamplifier	Schwarzbeck	BBV 9743	HKE-016	2025/02/19	1 Year
9	Preamplifier	A.H. Systems	SAS-574	HKE-182	2025/02/19	1 Year
10	6dB Attenuator	Pasternack	6dB	HKE-184	2025/02/19	1 Year
11	EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	2025/02/19	1 Year
12	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2024/02/21	2 Year
13	Loop Antenna	COM-POWER	AL-130R	HKE-014	2024/02/21	2 Year
14	Horn Antenna	Schwarzbeck	9120D	HKE-013	2024/02/21	2 Year
15	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
16	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
17	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2025/02/19	1 Year
18	High pass filter unit	Tonscend	JS0806-F	HKE-055	2025/02/19	1 Year
19	Wireless Communication Test Set	R&S	CMU200	HKE-026	2025/02/19	1 Year
20	Wireless Communication Test Set	R&S	CMW500	HKE-027	2025/02/19	1 Year
21	High-low temperature chamber	Guangke	HT-80L	HKE-118	2025/06/09	1 Year
22	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2025/06/09	1 Year
23	RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	/	/
24	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2025/02/19	1 Year
25	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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3.2 Measurement Uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR 100 028-1 [2] and shall correspond to an expansion factor(coverage factor) $k = 1,96$ or $k = 2$ (which provide confidence levels of respectively 95% and 95,45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Table 6 is based on such expansion factors.

Table6: Maximum measurement uncertainty

Parameter	UNCERTAINTY
Radio frequency	$\pm 0.8 \times 10^{-7}$
RF power, conducted	$\pm 3.35\text{dB}$
Maximum frequency deviation:	1.3%
-within 300Hz and 6 kHz of audio frequency	0.65 dB
-within 6 kHz and 25 kHz of audio frequency	
Adjacent channel power	0.2054
Conducted spurious emission of transmitter, valid up to 6 GHz	$\pm 2.20\text{dB}$
Conducted emission of receivers	$\pm 0.37\text{dB}$
Radiated emission of transmitter, valid up to 6 GHz	$\pm 3.94\text{ dB}$
Radiated emission of receiver, valid up to 6 GHz	$\pm 3.94\text{ dB}$
RF level uncertainty for a given BER	$\pm 0.3\text{ dB}$
Temperature	$\pm 0.1^{\circ}\text{C}$
Humidity	$\pm 1.0\%$

4. Facilities and Accreditations

4.1 Facilities

All measurement facilities used to collect the measurement data are located at

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

The sites are constructed in conformance with the requirements of ANSI C63.10:2013 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16 1, "Radio Interference Measuring Apparatus and Measurement Methods."

4.2 Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

4.3 Table of Accreditations and Listings

The test facilities used to perform radiated and conducted emissions tests are accredited by American Association for Laboratory Accreditation Program for the specific scope accreditation under Lab Code: 200581-0 to perform Electromagnetic Interference tests according to FCC Part 15 and CISPR 22 requirements. In addition, the test facilities are listed with USA, Certification and Engineering Bureau, 424105 for 10m chamber, 238958 for 3m chamber.

5. Setup of Equipment Under TEST

5.1 Setup Configuration of EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

5.2 Support Equipment

Item	Equipment	Trade Mark	Model/Type No.	Specification	Remark
1	Pocket	EZCast	R-1D	N/A	EUT
2	USB Cable	N/A	N/A	Length: 1m	
3	Adapter	N/A	N/A	Input: 100-240V, 50/60Hz, 0.35A Output: 5VDC, 2A	
4	DISPLAY	AOC	U2879VF	N/A	

Remark:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 26dB Bandwidth and 99% Occupied Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

6. FCC Part 15 Requirements

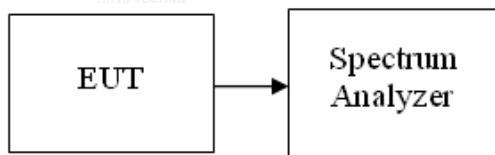
6.1 26 db Emission Bandwidth

LIMIT

According to §15.403(i), for purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Compliance with the emissions limits is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

Test Configuration

TESTPROCEDURE



1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low-loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzers RBW = approximately 1% of the emission bandwidth, VBW > RBW, Detector = Peak, Span > 26dB bandwidth, and Sweep = auto, Trace mode = max hold.
4. Measure the maximum width of the emission that is 26dB down from the maximum of the emission.
Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
5. Repeat until all the rest channels were investigated.

TESTRESULTS

No non-compliance noted

Test Data



HUAKE TESTING

Testmode:IEEE802.11a mode

5250~5350MHz

Channel	Frequency (MHz)	Bandwidth(B) (MHz)
Low	5260	19.680
Mid	5280	19.960
High	5320	19.600

5470~5725MHz

Channel	Frequency (MHz)	Bandwidth(B) (MHz)
Low	5500	19.600
Mid	5580	19.640
High	5700	22.640

Testmode:IEEE802.11n HT20 mode

5250~5350MHz

Channel	Frequency (MHz)	Bandwidth(B) (MHz)
Low	5260	20.280
Mid	5280	20.440
High	5320	20.200

5470~5725MHz

Channel	Frequency (MHz)	Bandwidth(B) (MHz)
Low	5500	20.360
Mid	5580	20.320
High	5700	21.360

Testmode:IEEE802.11n HT40 mode

5250~5350MHz

Channel	Frequency (MHz)	Bandwidth(B) (MHz)
Low	5270	38.000
High	5310	38.240

5470~5725MHz

Channel	Frequency (MHz)	Bandwidth(B) (MHz)
Low	5510	38.080
Mid	5550	38.160
High	5670	38.080

Test Plot

IEEE802.11a mode:

5250~5350MHz

Low Channel



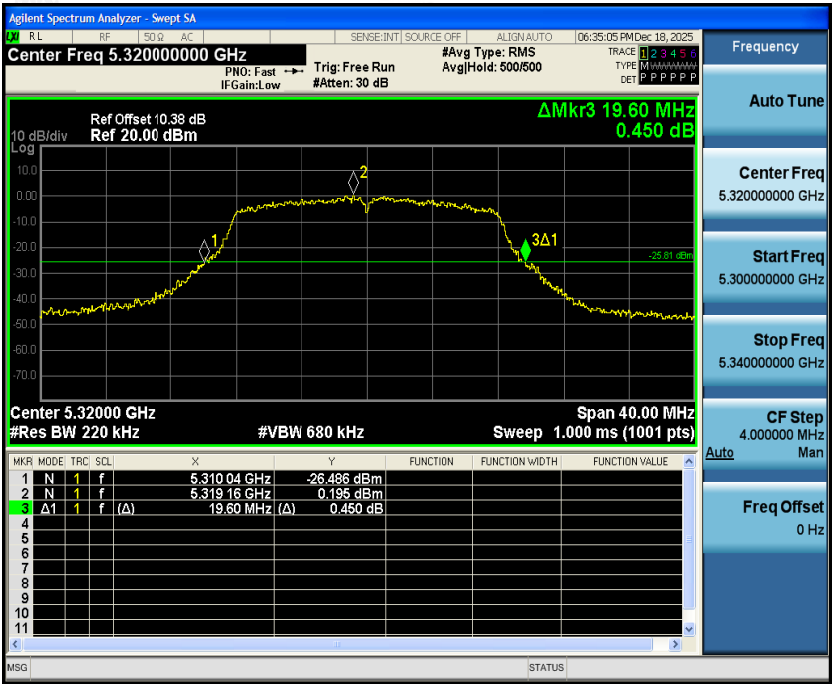
Mid Channel



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High Channel



5470~5725MHz

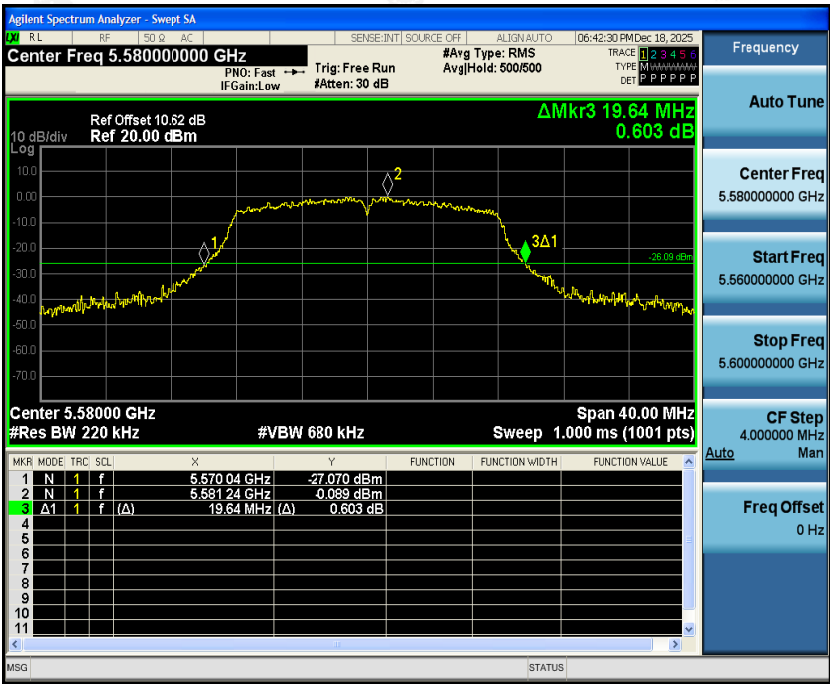
Low Channel



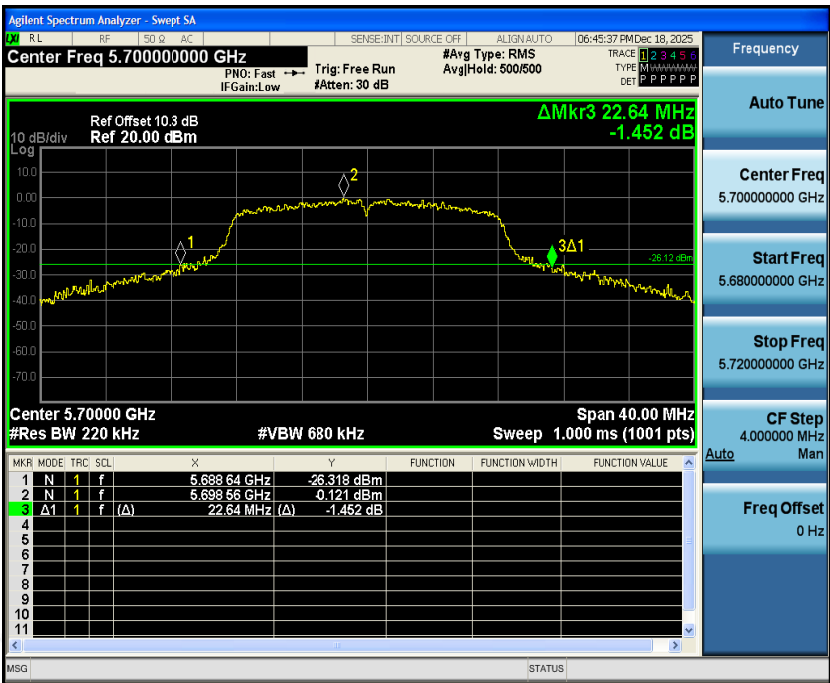
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Mid Channel



High Channel



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IEEE802.11n HT20 mode

5250~5350MHz

Low Channel



Mid Channel



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High Channel

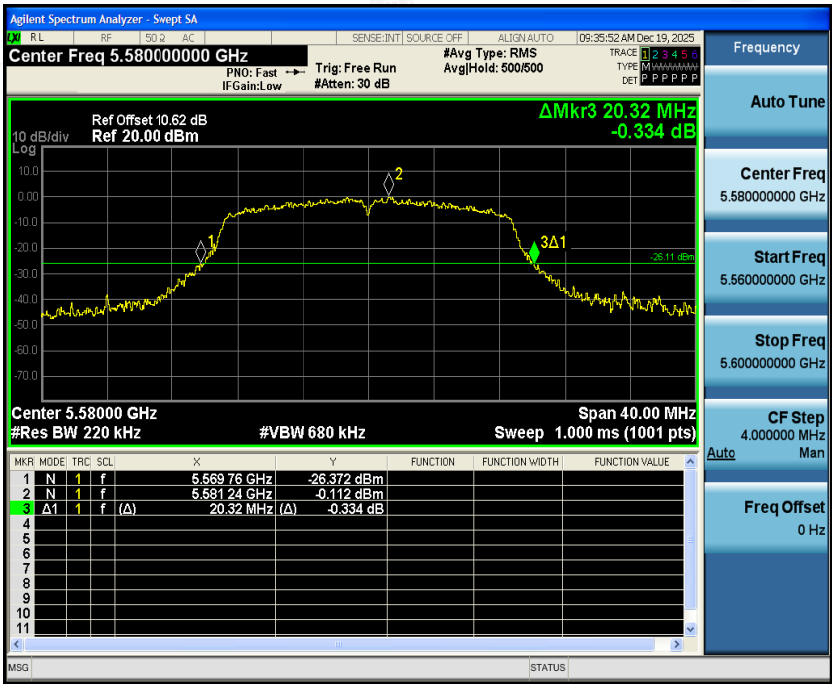


5470~5725MHz

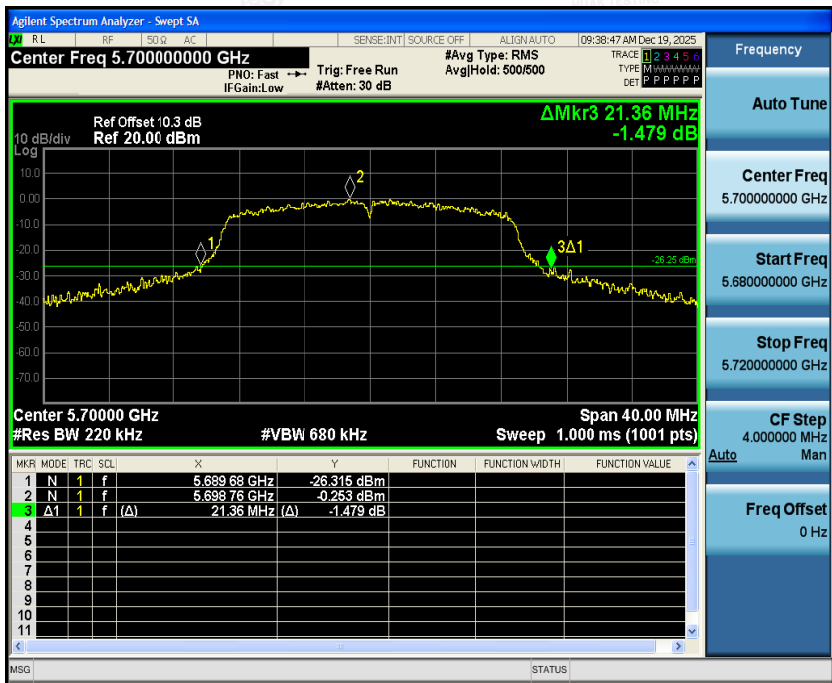
Low Channel



Mid Channel



High Channel



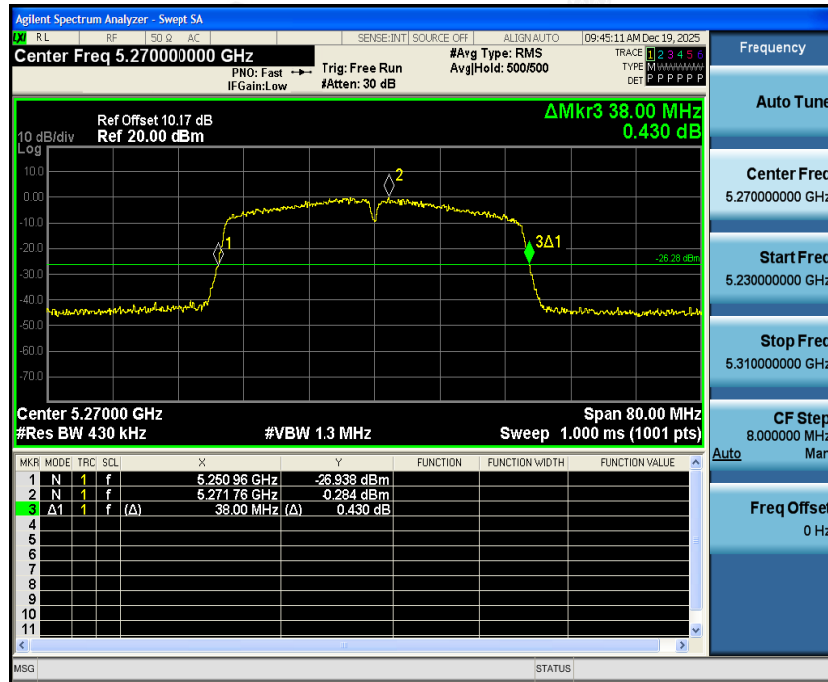
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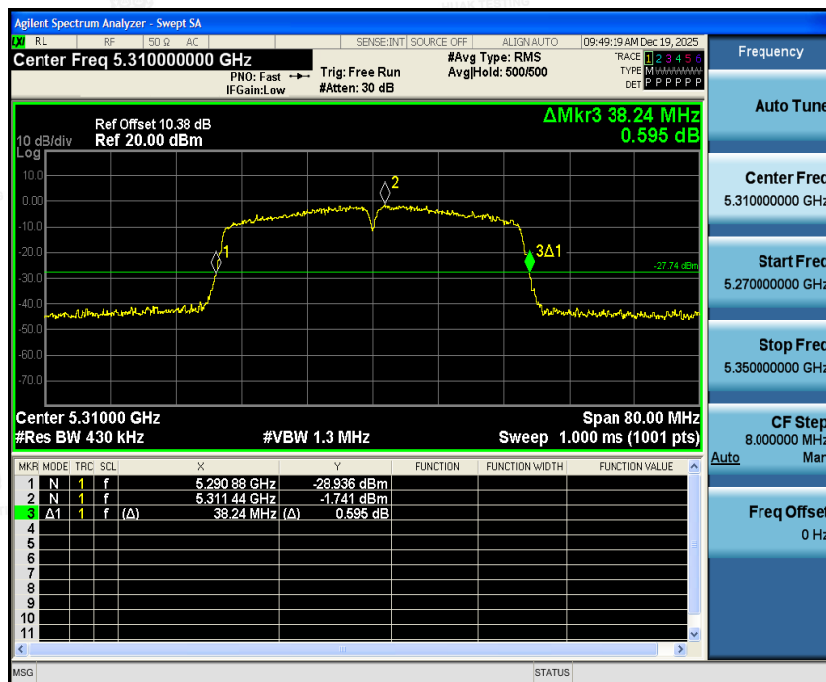
IEEE802.11n HT40 mode

5250~5350MHz

Low Channel



High Channel



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5470~5725MHz

Low Channel



Mid Channel



High Channel

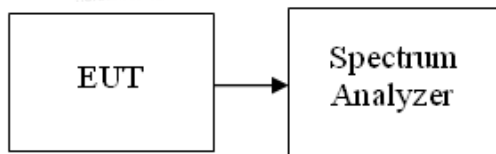


6.2 99% db Emission Bandwidth

LIMIT

None; for reporting purposes only.

Test Configuration



Test Procedure

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).

TEST RESULTS

No non-compliance noted

Test Data

**Testmode:IEEE802.11a mode
5250~5350MHz**

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	5260	16.524
Mid	5280	16.552
High	5320	16.519

5470~5725MHz

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	5500	16.548
Mid	5580	16.533
High	5700	16.853

**Testmode:IEEE802.11n HT20 mode
5250~5350MHz**

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	5260	17.557
Mid	5280	17.610
High	5320	17.546

5470~5725MHz

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	5500	17.598
Mid	5580	17.570
High	5700	17.714

**Testmode:IEEE802.11n HT40 mode
5250~5350MHz**

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	5270	35.036
High	5310	35.224

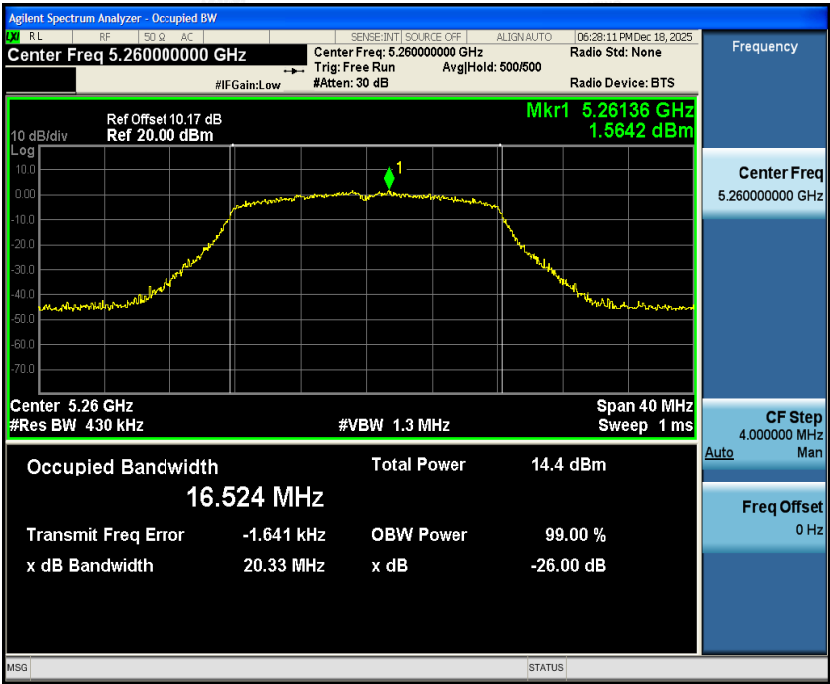
5470~5725MHz

Channel	Frequency (MHz)	Bandwidth (MHz)
Low	5510	35.353
Mid	5550	35.534
High	5670	35.300

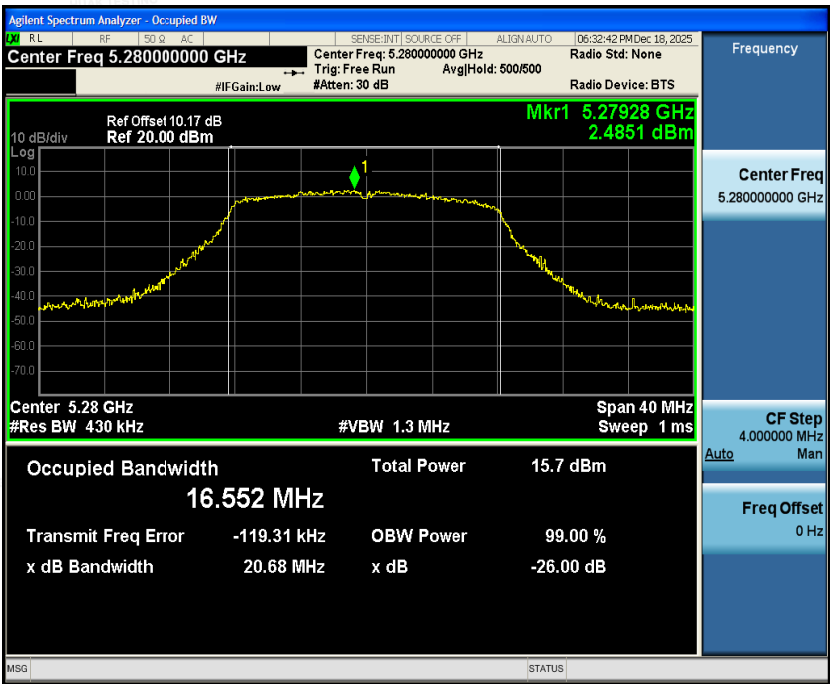
IEEE802.11a mode:

5250~5350MHz

Low Channel



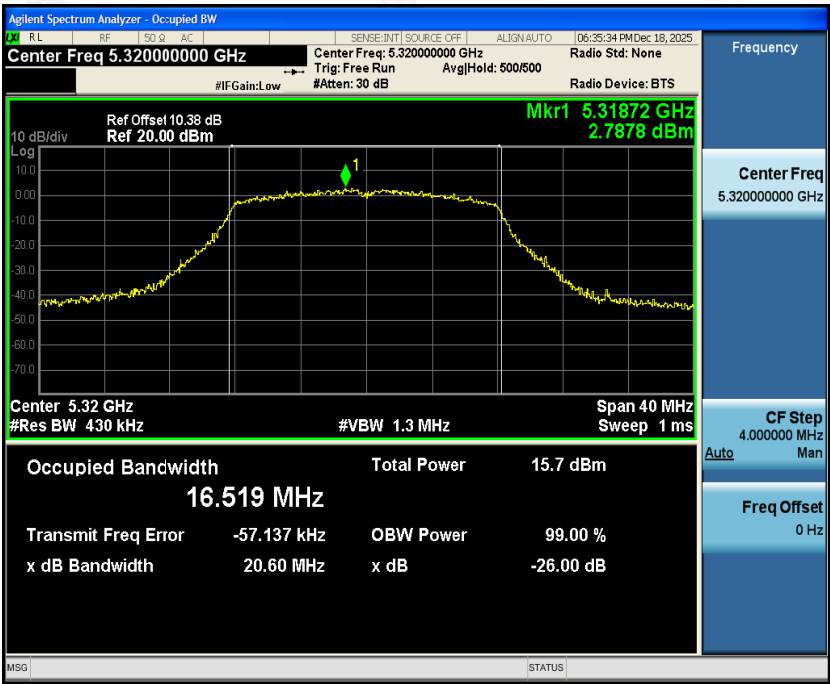
Mid Channel



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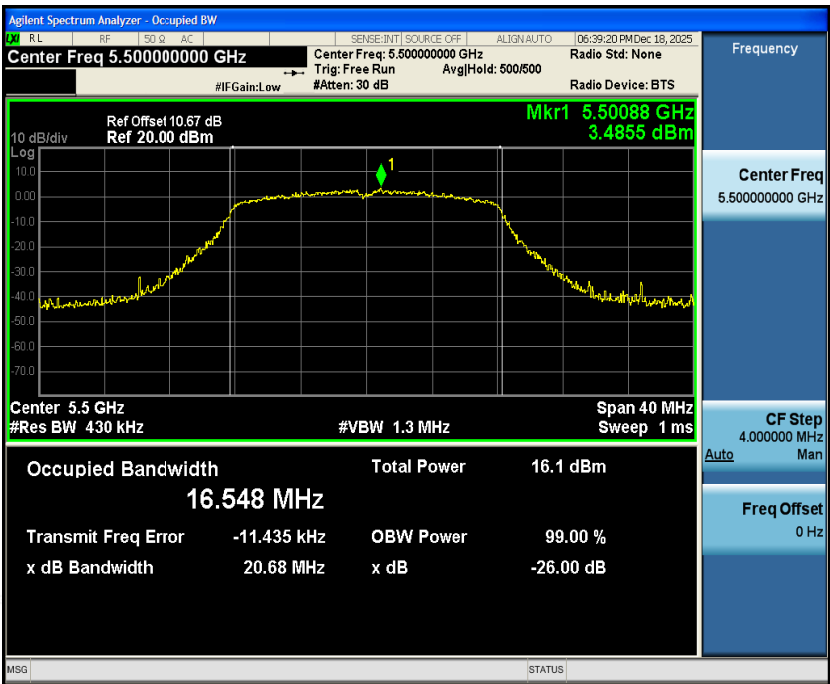
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High Channel



5470~5725MHz

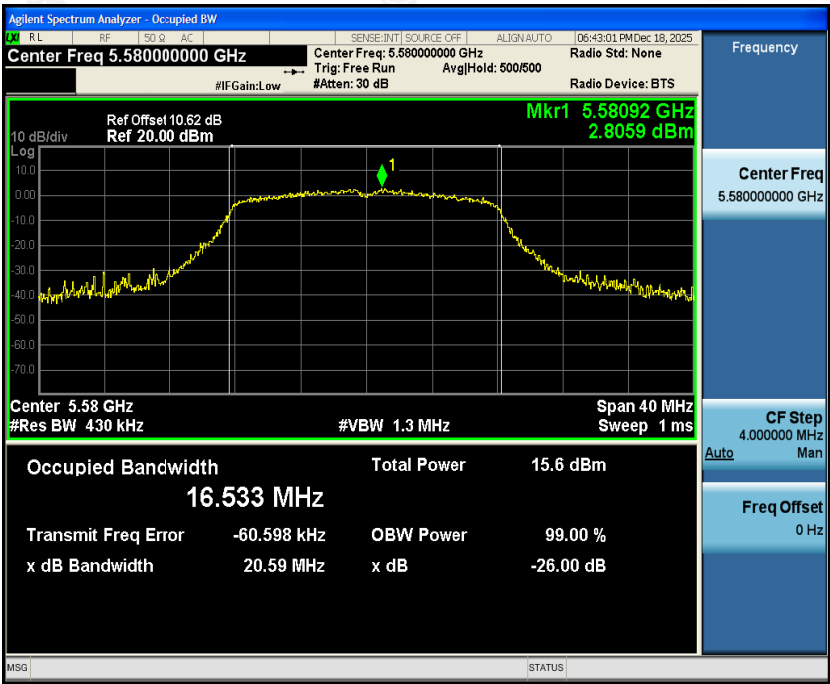
Low Channel



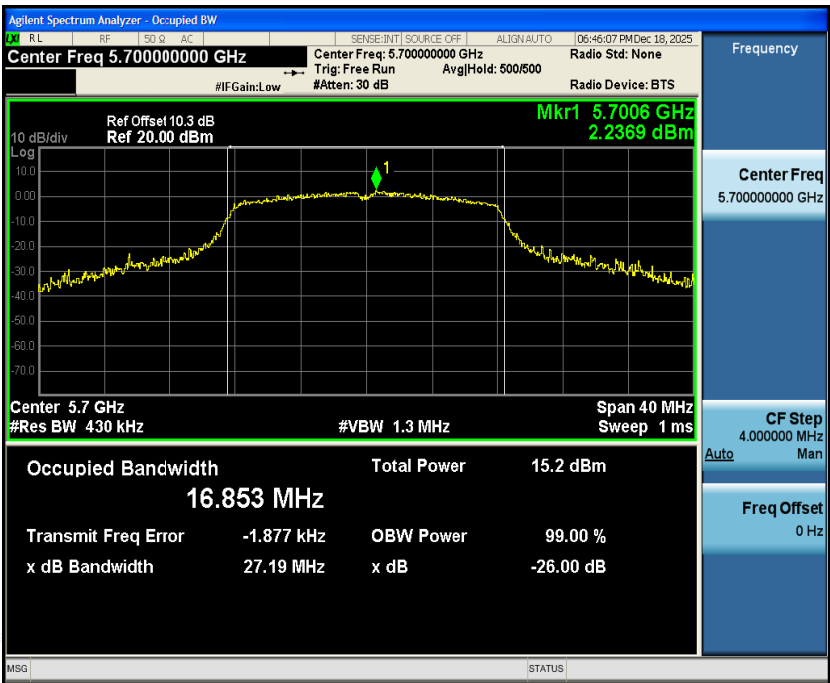
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Mid Channel



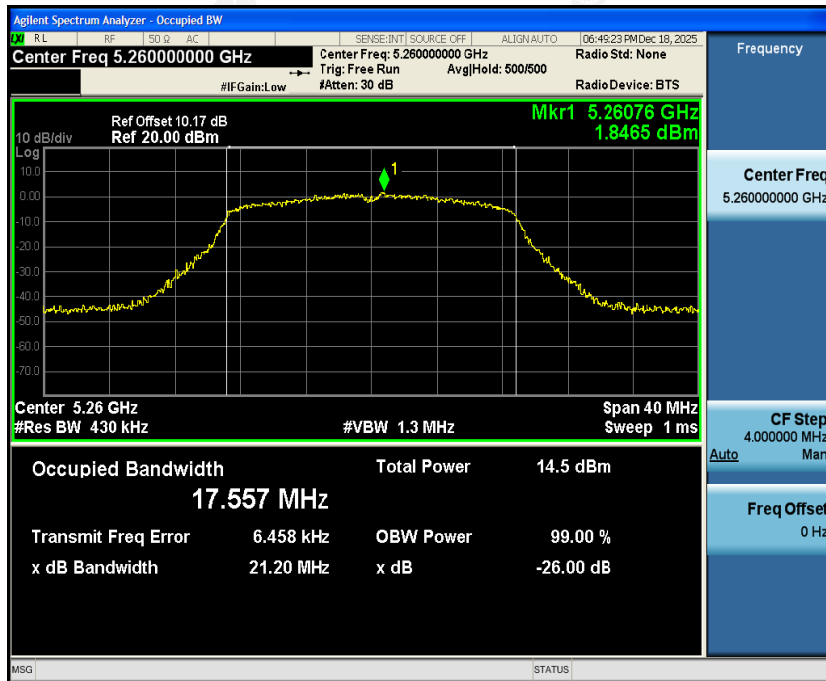
High Channel



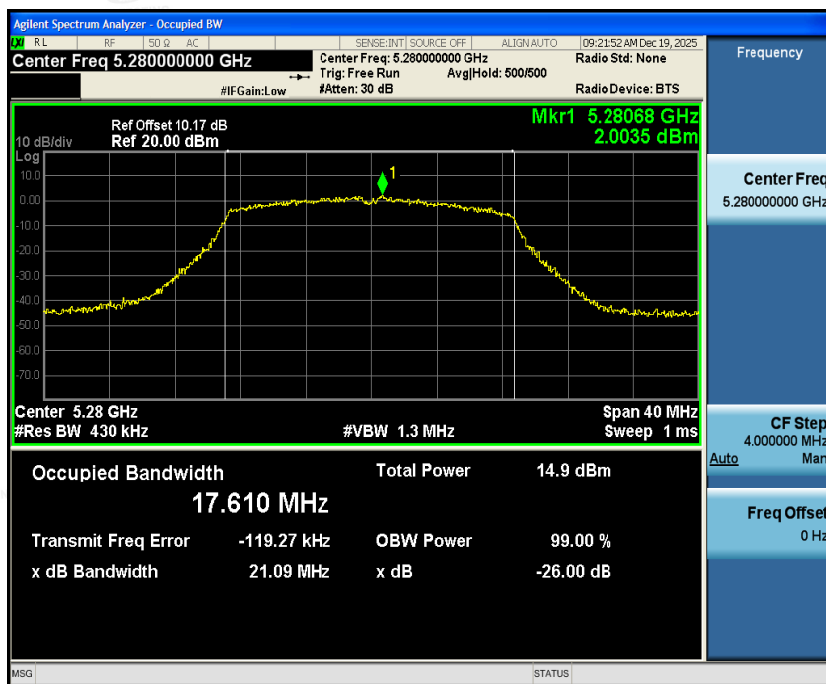
IEEE802.11n HT20 mode

5250~5350MHz

Low Channel

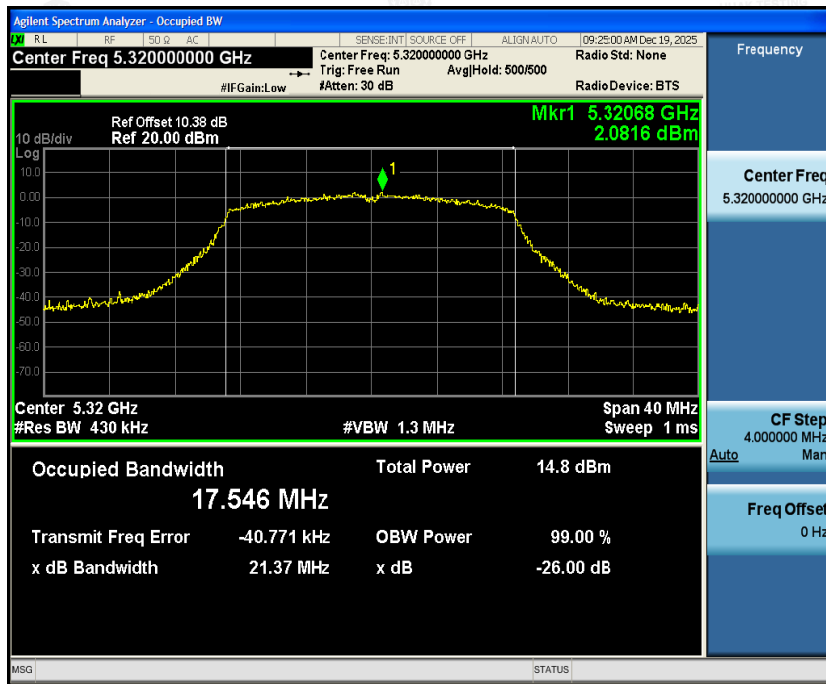


Mid Channel



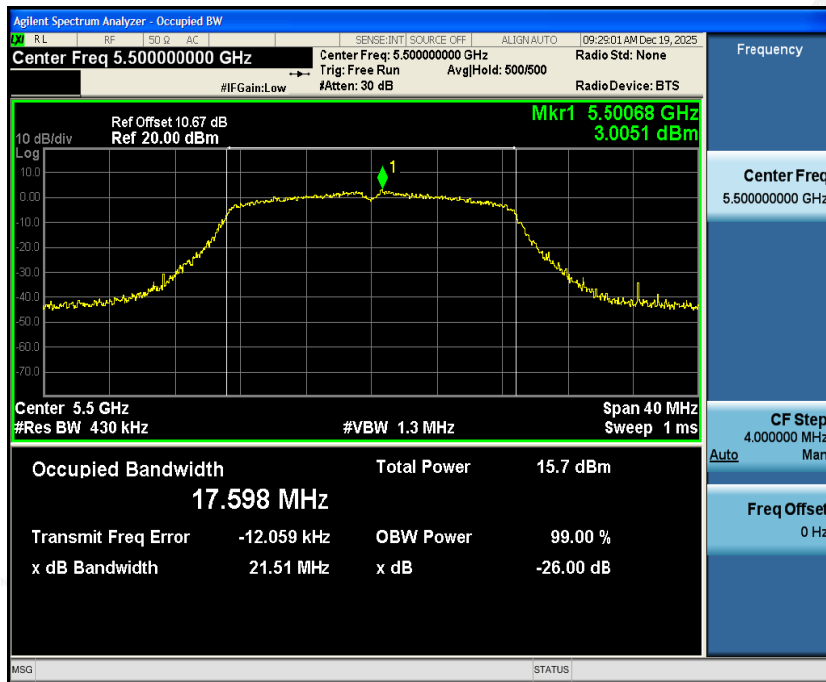
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High Channel



5470~5725MHz

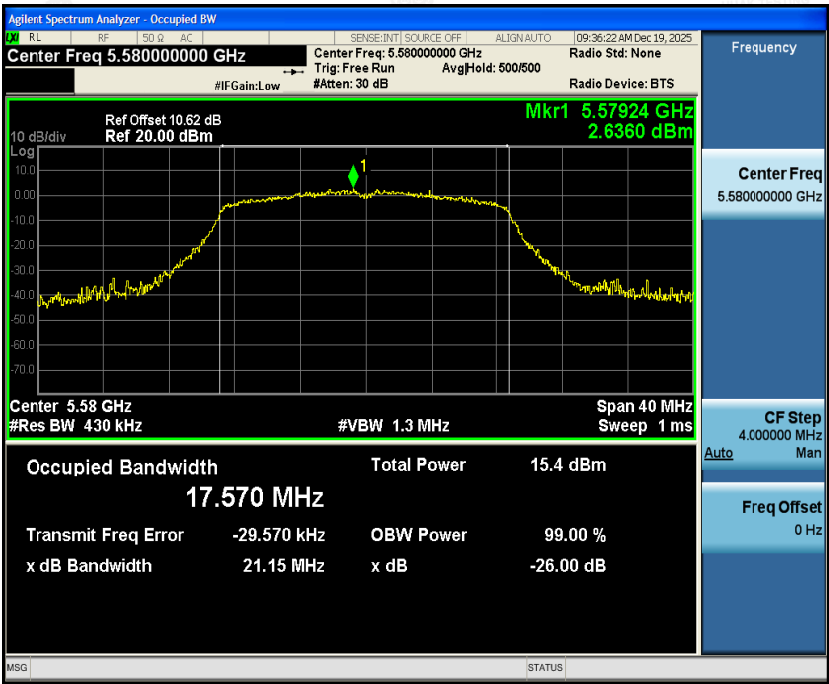
Low Channel



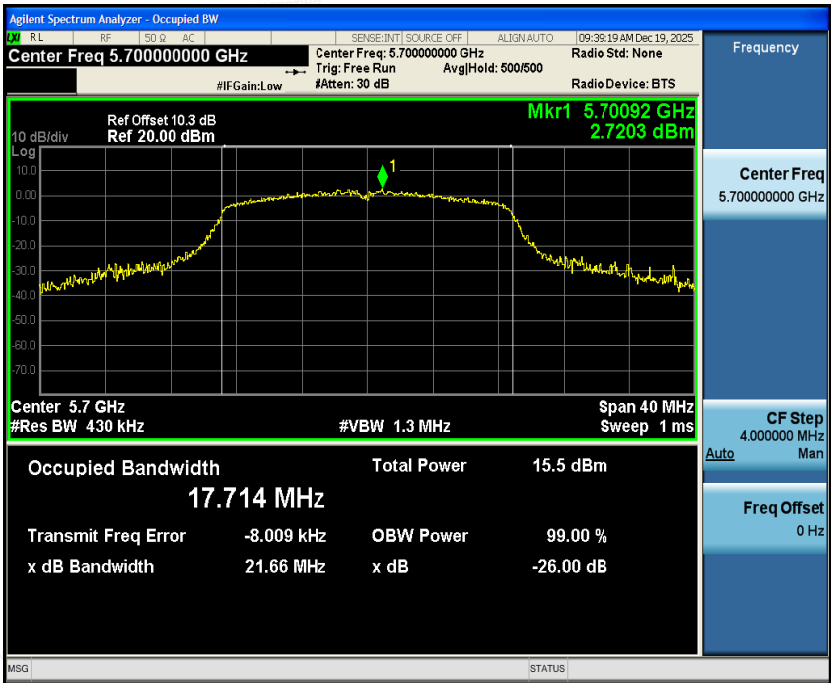
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Mid Channel



High Channel



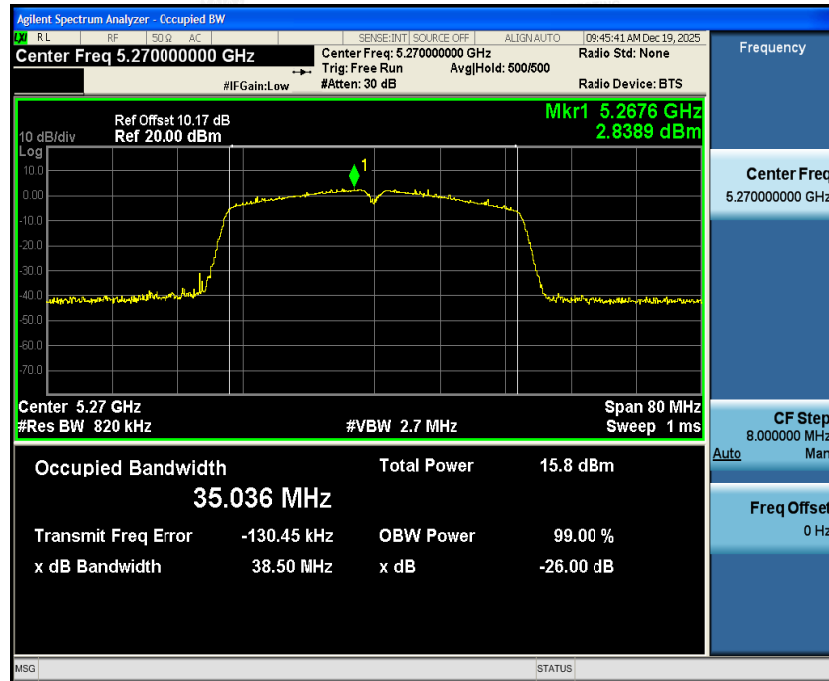
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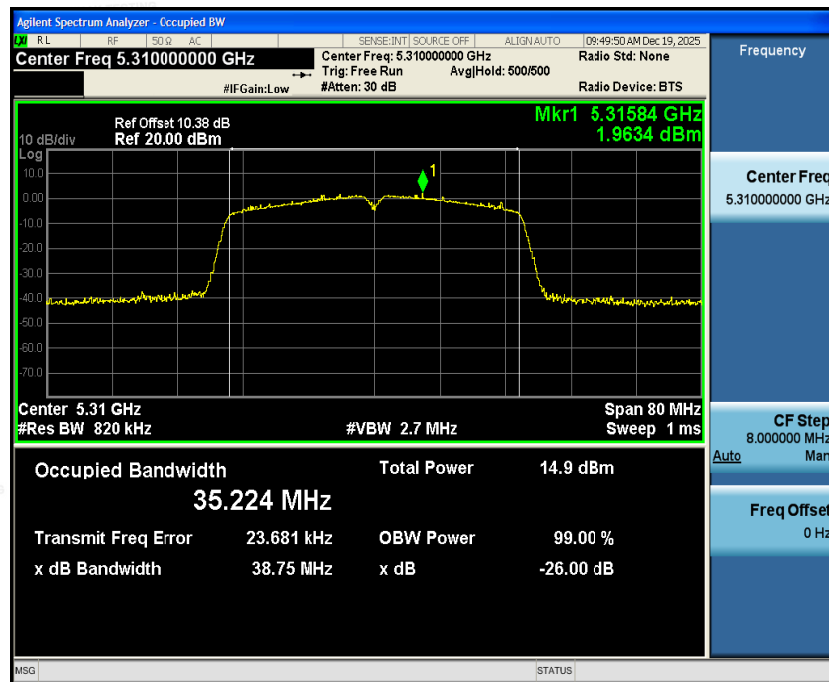
IEEE802.11n HT40 mode

5250~5350MHz

Low Channel



High Channel

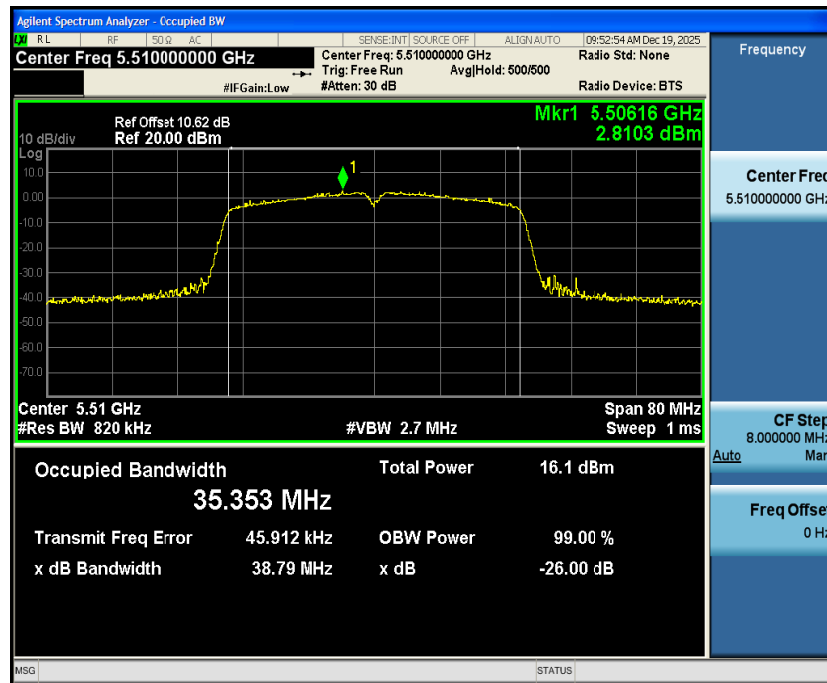


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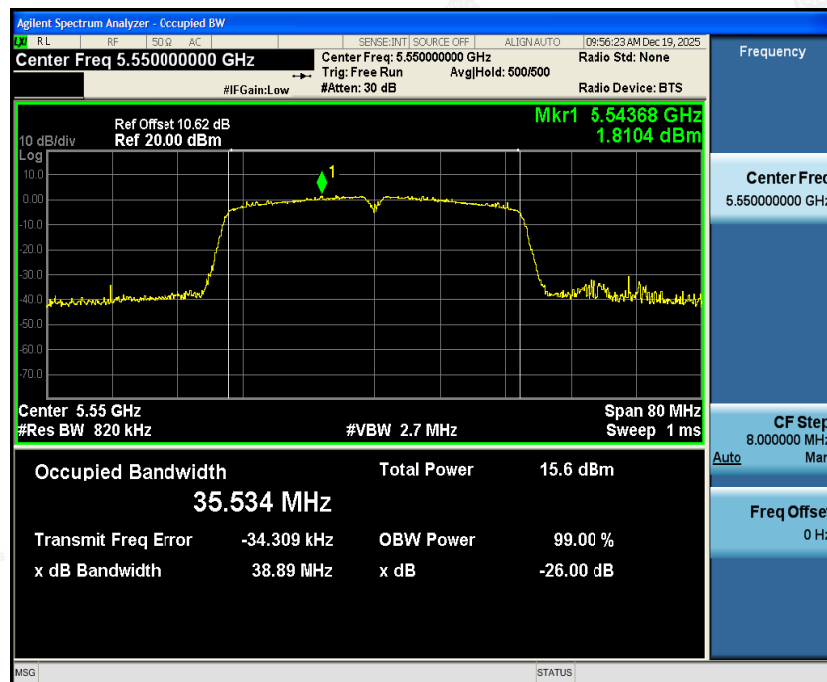
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5470~5725MHz

Low Channel



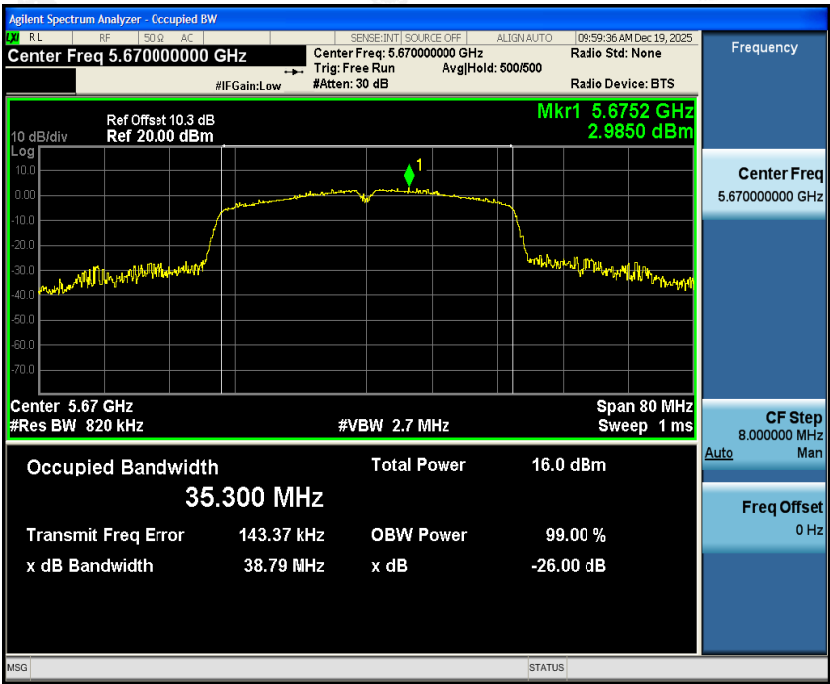
Mid Channel



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High Channel



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6.3 Maximum Conducted Output Power

LIMIT

According to §15.407(a),

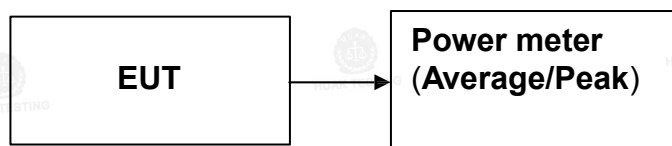
(iv) For the 5.25-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

If transmitting antennas of directional gain greater than 6dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W

The peak power shall not exceed the limit as follow:

Test Configuration



The EUT was connected to a spectrum analyzer through a 50Ω RF cable.

TEST PROCEDURE

The testing follows Method PM of FCC KDB789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF peak power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.

TEST RESULTS

No non-compliance noted

TEST RESULTS

No non-compliance noted

Test Data

Testmode:IEEE802.11a mode

5250~5350MHz

Channel	Frequency (MHz)	Peak Output Power (dBm)	Limit(dBm)
Low	5260	7.69	24
Mid	5280	8.73	24
High	5320	8.66	24

5470~5725MHz

Channel	Frequency (MHz)	Peak Output Power (dBm)	Limit(dBm)
Low	5500	9.20	24
Mid	5580	8.53	24
High	5700	8.13	24

Testmode:IEEE802.11n HT20 mode

5250~5350MHz

Channel	Frequency(MHz)	Peak Output Power (dBm)	Limit(dBm)
Low	5260	7.46	24
Mid	5280	8.01	24
High	5320	7.89	24

5470~5725MHz

Channel	Frequency (MHz)	Peak Output Power (dBm)	Limit(dBm)
Low	5500	8.92	24
Mid	5580	8.72	24
High	5700	8.54	24

Testmode:IEEE802.11n HT40 mode

5250~5350MHz

Channel	Frequency (MHz)	Peak Output Power (dBm)	Limit(dBm)
Low	5270	8.69	24
Mid	5310	7.34	24

5470~5725MHz

Channel	Frequency (MHz)	Peak Output Power (dBm)	Limit(dBm)
Low	5510	8.93	24
Mid	5550	8.08	24
High	5670	8.47	24

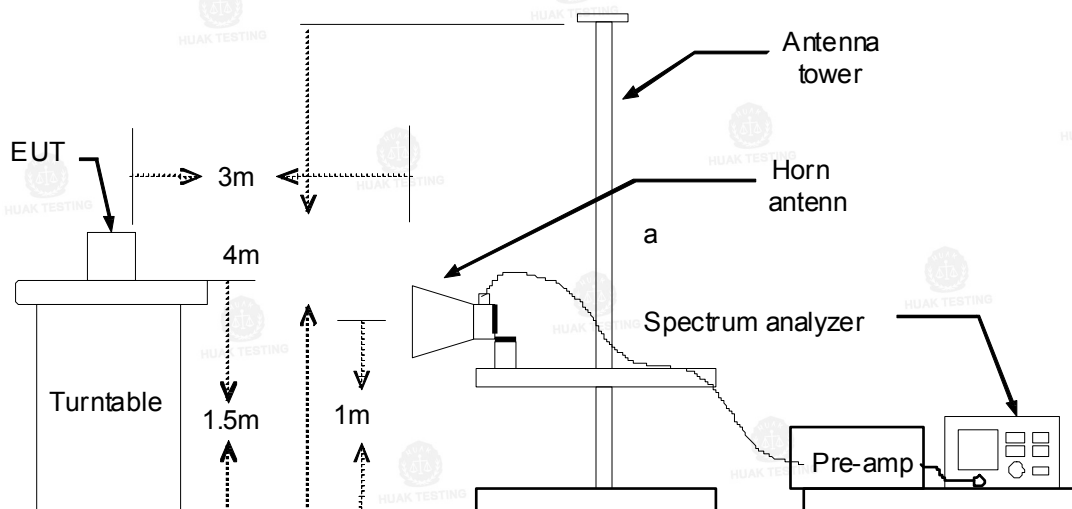
6.4 Band Edges Measurement

LIMIT

According to §15.407(b),

- (1) The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.
- (2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency block edges as the design of the equipment permits.

Test Configuration



TESTPROCEDURE

1. The EUT is placed on a turntable, which is 1.5m above the ground plane.
2. The turntable shall be rotated for 360degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / Sweep=AUTO

VBW=10Hz, when duty cycle is no less than 98 percent.

VBW $\geq 1/T$, when duty cycle is less than 98 percent, where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

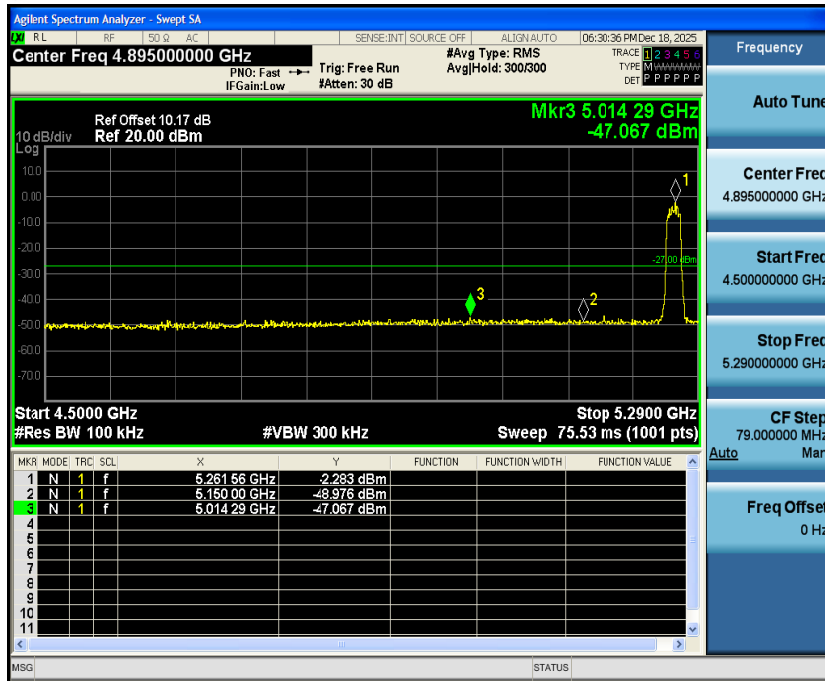
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
IEEE 802.11 a	100	-	-	10Hz
IEEE 802.11n HT20	100	-	-	10Hz
IEEE 802.11n HT40	100	-	-	10Hz

TESTRESULTS

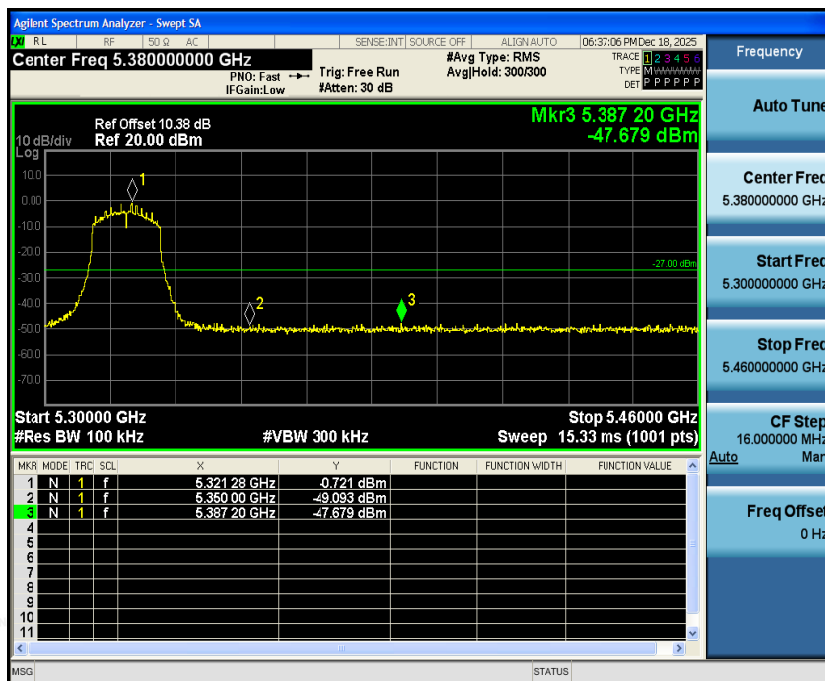
Refer to attach spectrum analyzer data chart.

Band Edges(IEEE802.11a mode)

5260MHz

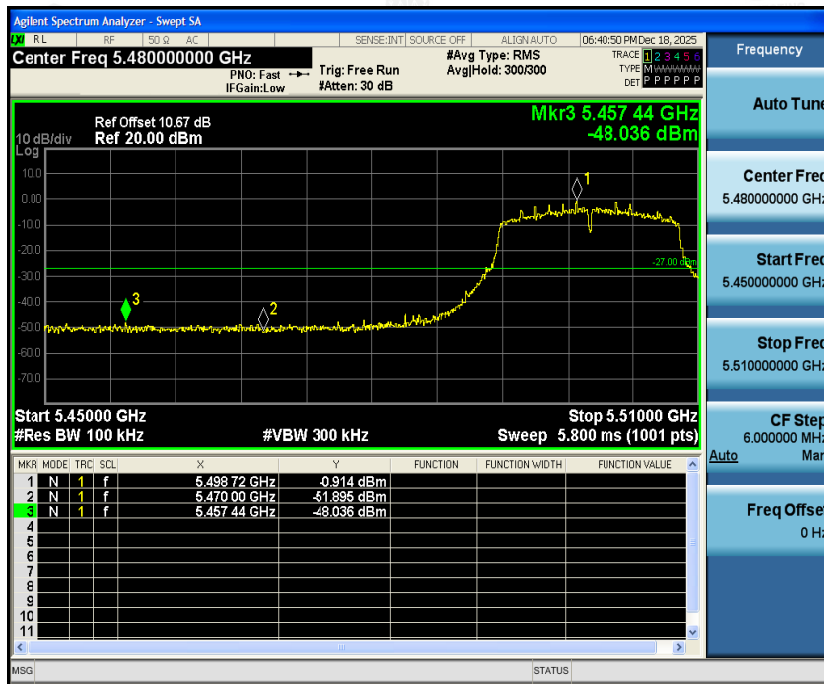


5320MHz

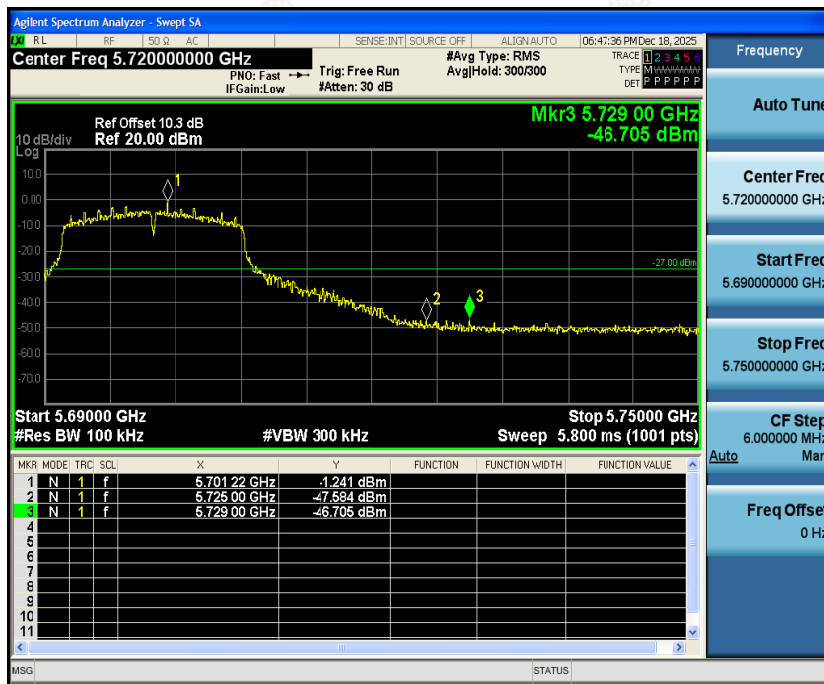


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5500MHz



5700MHz

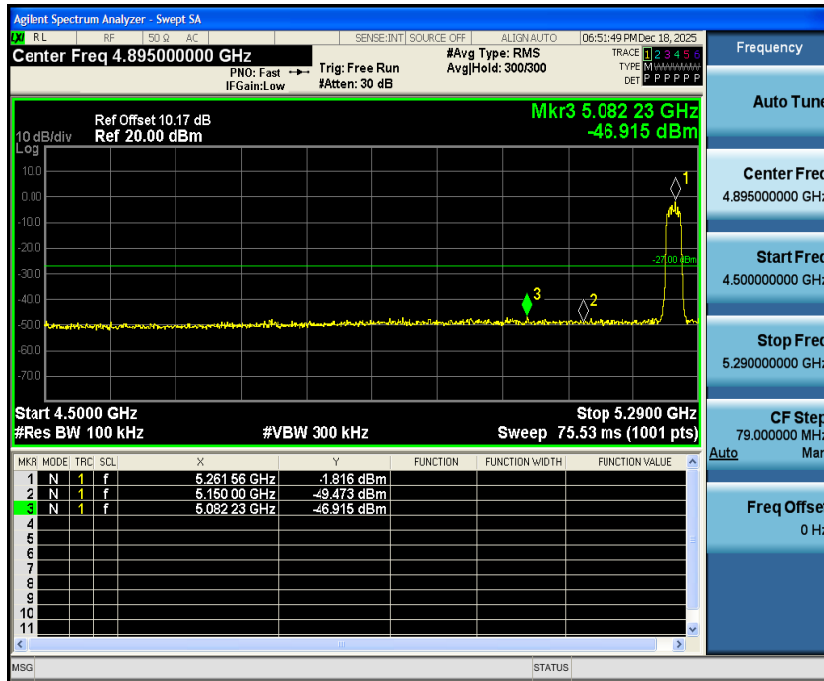


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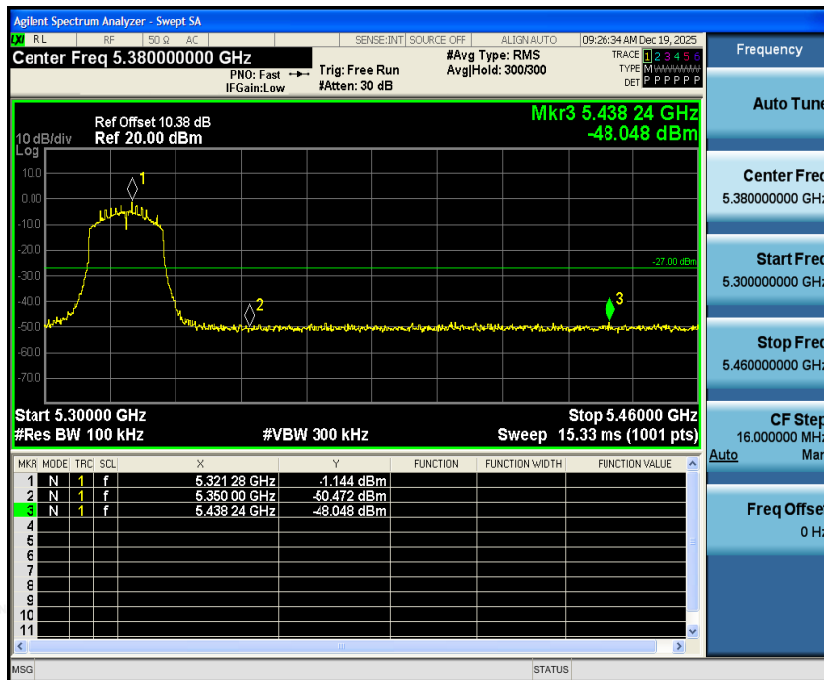
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Band Edges(IEEE802.11n HT20 mode)

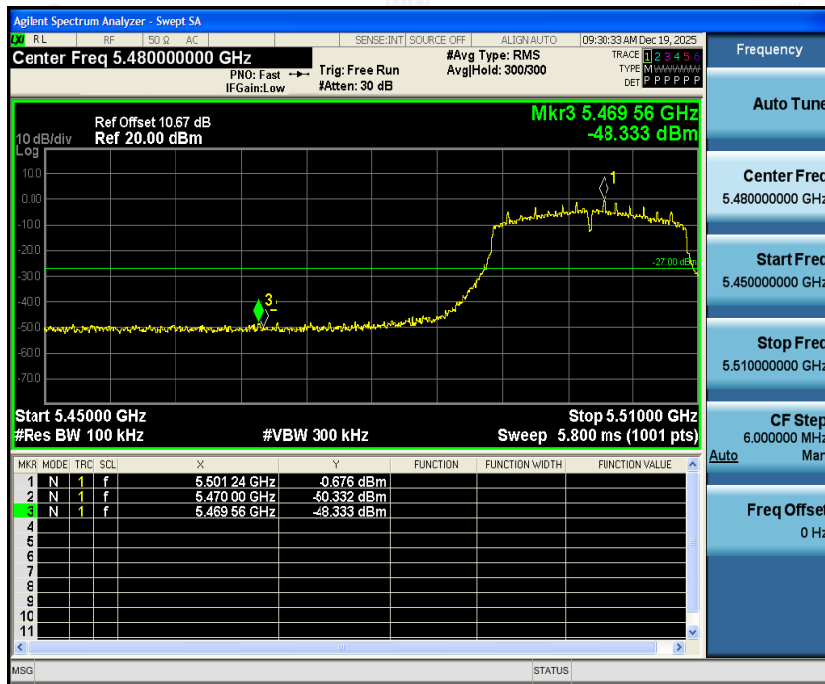
5260MHz



5320MHz



5500MHz



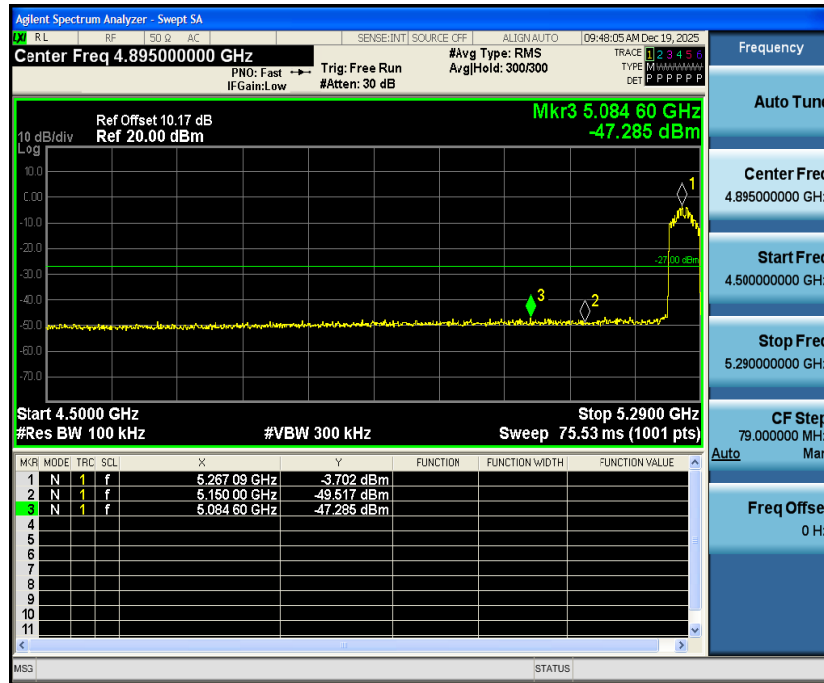
5700MHz



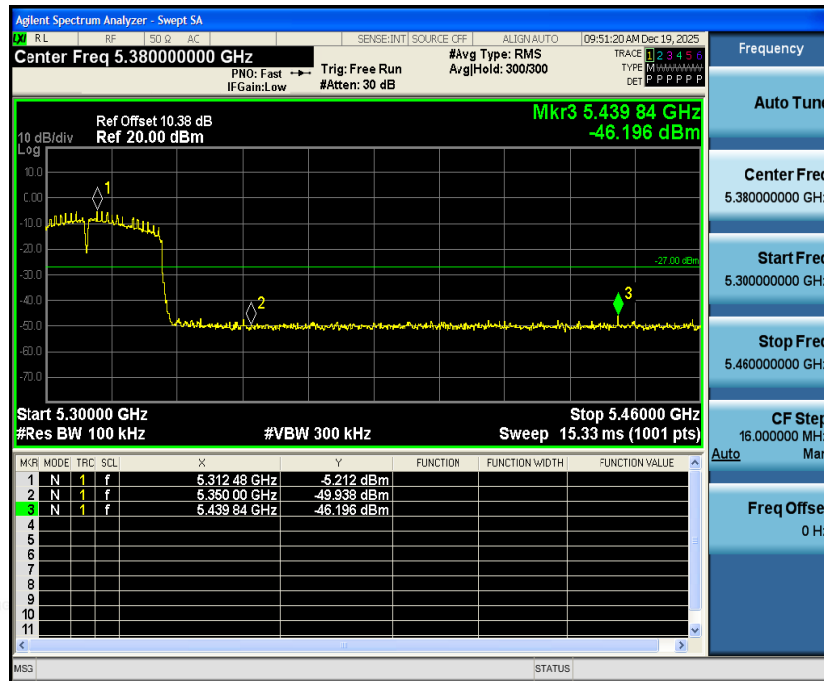
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Band Edges(IEEE802.11n HT40 mode)

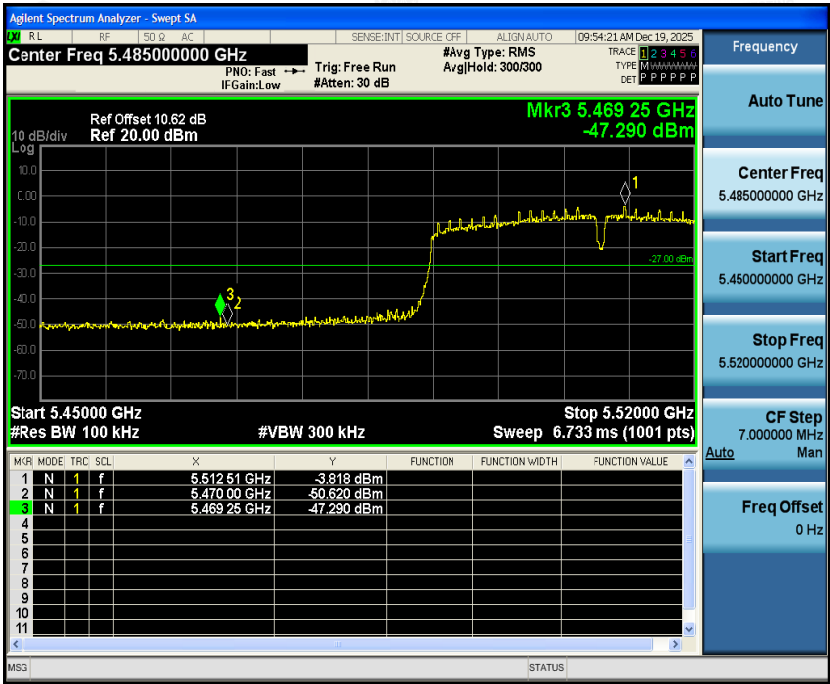
5270MHz



5310MHz



5510MHz



5670MHz



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