

TEST REPORT

Report No.: SHE24090032-02DE

Date: 2025-04-22

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Applicant : PETKIT Network Technology (Shanghai) Co., Ltd.
Address of Applicant : Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai

Product Name : PETKIT PUROBOT ULTRA WITH CAMERA
SELF-CLEANING CAT LITTER BOX

Brand Name : PETKIT

Model Name : P9903

Sample Acquisition Method : Sent by Client

Sample No. : E24060074-01#08
E24060074-01#12

FCC ID : 2A72N-P9903

Standards : FCC CFR47 Part 15.407, Subpart E

Date of Receipt : 2024-07-04(E24060074-01#08)
2024-08-06(E24060074-01#12)

Date of Test : 2024-08-14~ 2024-08-16

Date of Issue : 2025-04-22

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Prepared by:



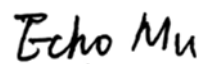
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Approved by:



(Authorized signatory: Echo Mu)

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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Service (Shanghai) Co., Ltd
Address	No.1298 Pingan Rd, Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Details of Application

Applicant Company Name	PETKIT Network Technology (Shanghai) Co., Ltd.
Address	Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai
Contact Person	TingHe
Telephone	13916991059
Email	ting.he@petkit.com
Manufacturer Company Name	Dongguan Zhihang Electronic Technology Co., LTD.
Address	Room 701, Building 15, No.1, Pushi Road I, Qiaotou Town, Dongguan City,Guangdong Province, China.
Factory Company Name	Dongguan Zhihang Electronic Technology Co., LTD.
Address	Room 701, Building 15, No.1, Pushi Road I, Qiaotou Town, Dongguan City,Guangdong Province, China.

1.3 Details of EUT

Product Name	PETKIT PUROBOT ULTRA WITH CAMERA SELF-CLEANING CAT LITTER BOX
Brand Name	PETKIT
Test Model Name	P9903
FCC ID	2A72N-P9903
Mode of Operation	WIFI 802.11a/n(HT20)
Operation Frequency	U-NII-1:5180MHz~5240MHz; U-NII-3: 5745MHz ~ 5825MHz
Modulation Type	OFDM(BPSK/QPSK/16-QAM/64-QAM)
Number of Channels	8
Channel Bandwidth	802.11a: 20MHz 802.11n: 20MHz
Antenna Type	Internal Antenna
Antenna Gain	3.70dBi
Extreme Temperature Range	0°C~ +40°C
Test Voltage	DC 12V 4A Supply by AC Adapter (Model:GQ48-120400-AX)
Extreme Voltage	Low Voltage: AC 100V

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	High Voltage: AC 240V
Product Type	Mobile for FCC standard
Hardware Version	V1.0
Software Version	2.49
RF power setting in TEST SW	U-NII-1: SecureCRT Version 7.0.4 and rtwpriv command Power setting patha=82 U-NII-3: SecureCRT Version 7.0.4 and rtwpriv command Power setting patha=72

Note:

1. The above information was declared by the manufacture.
2. The EUT is designed as master device.
3. The EUT do not support TPC.
4. For more details, please refer to the User's manual of the EUT.

Channel List

Frequency Band	Channel Number	Frequency
U-NII-1: 5150 MHz ~ 5250MHz	36	5180 MHz
	40	5200 MHz
	44	5220 MHz
	48	5240 MHz
U-NII-3: 5725 MHz ~ 5850MHz	149	5745 MHz
	153	5765 MHz
	157	5785 MHz
	165	5825 MHz

Note: For 20MHz bandwidth system use Channel 36,44,48,149,157,165

1.4 Test Methodology

47 CFR Part 15, Subpart E	Subpart E—Unlicensed National Information Infrastructure Devices
KDB Publication 789033 D02 v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

Note(s):

All test items were verified and recorded according to the standards and without any addition/deviation/exclusion during the test

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1.5 Test Summary

Test Item	FCC Rules	Result
Antenna Requirement	FCC Part 15.407(a), 15.203	PASS
Maximum Conducted Output Power	FCC Part 15.407(a)	PASS
26dB Bandwidth and 99% Bandwidth	FCC Part 15.407(a)	PASS
6dB Bandwidth	FCC Part 15.407(e)	PASS
Maximum Conducted Output Power Spectral Density	FCC Part 15.407(a)	PASS
Conducted Spurious Emission	FCC Part 15.407(b), 15.209	PASS
Radiated Emission	FCC Part 15.407(b), 15.209, 15.205	PASS
Band Edge (Restricted-band band-edge)	FCC Part 15.407(b), 15.205, 15.209	PASS
Frequency Stability	FCC Part 15.407(g)	PASS
Conducted Emission on AC Mains	FCC Part 15.207(a)	PASS

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2 Test Condition

2.1 Environmental conditions

Temperature (°C)	15-35
Humidity (%RH)	30-65
Barometric Pressure (mbar)	860-1060

Note: Actual values will be recorded during the test.

2.2 Equipment List

Name of Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Keysight	N9020B	MY59260184	2024-06-26	2025-06-25
Spectrum Analyzer	Rohde & Schwarz	FSV40N	101450	2024-06-04	2025-06-03
Signal Generator	Rohde & Schwarz	SMR27	100184	2024-06-26	2025-06-25
EMI Test Receiver	Rohde & Schwarz	ESPI3	100173	2024-06-05	2025-06-04
EMI Test Receiver	Rohde & Schwarz	ESR 7	101911	2024-06-04	2025-06-03
V-network	SCHWARZBECK	NSLK 8127	8127-902	2024-06-05	2025-06-04
Attenuator	SCHWARZBECK	VTSD 9561-FN	/	2024-06-05	2025-06-04
Broadband Antenna	SCHWARZBECK	VULB9163	9163-1037	2023-03-22	2025-03-21
Horn Antenna-18G	SCHWARZBECK	BBHA9120D	9120D-1775	2023-06-13	2025-06-12
Loop Antenna	SCHWARZBECK	FMZB 1513	/	2023-06-09	2025-06-08
Horn Antenna-40G	YINGLIAN	LB-180400-KF	N/A	2023-06-18	2025-06-17
Broadband Preamplifier	SCHWARZBECK	BBV 9718	346	2024-06-04	2025-06-03
Temperature Box	ESPEC	ECT-2	055239A	2023-11-09	2024-11-08
DC Power Supply	ITECH	IT6952A	N/A	2024-06-27	2026-06-26
EMC chamber 9*6*6(L*W*H)	CHANGNING	966	N/A	2023-06-09	2025-06-08
Shielded Enclosure 8*5*4(L*W*H)	CHANGNING	854	N/A	2023-06-09	2025-06-08
Test Software	BL	BL410_E	Version:2.1.1.436	N/A	N/A
Test Software	BL	BL410_R	Version:2.1.1.409	N/A	N/A

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2.3 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI. The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95.45%.

Parameter		Uncertainty
Antenna Port Conducted Emission	< 1GHz	± 1.5 dB
	> 1GHz	± 1.5 dB
Radiated Emission	< 1GHz	± 5.01 dB
	> 1GHz	± 5.21 dB
Conducted Emission on AC Mains	150KHz-30MHz	± 2.68 dB
Occupied Channel Bandwidth		± 5 %
Maximum Conducted Output Power		± 0.64 dB
Maximum Conducted Output Power Spectral Density		± 1.18 dB
Frequency Stability		± 10 ppm

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3 Test Set-up and Operation Modes

3.1 Details of Test Mode

Using test software to control EUT work in continuous transmitting and receiving mode. Select test channel as below:
For 802.11a/n(HT20)

U-NII-1 (5150 – 5250 MHz)		U-NII-3 (5725 – 5850 MHz)	
Channel	Frequency	Channel	Frequency
The lowest channel(CH36)	5180MHz	The lowest channel(CH149)	5745MHz
The middle channel(CH44)	5220MHz	The middle channel(CH157)	5785MHz
The highest channel(CH48)	5240MHz	The highest channel(CH165)	5825MHz

Through Pre-scan under all rate at lowest channel, the data rate as below table described is the worst case, so we choose these data rate for test.

Type	Data rate
802.11a	54Mbps
802.11n(HT20)	MCS7

The basic operation modes are:

- A. On
 - 1. WIFI mode
 - a. Transmitting
 - b. Receiving
- B. Standby
- C. Off

3.2 Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model Name	Serial No.
AC ADAPTER	N/A	GQ48-120400-AX	Input: AC 100-240V 50/60Hz 1.5A Max; Output: DC 12V 4A
Laptop 1	HP	HP ZHAN 66 Pro G1	5CD7438R1J
Laptop 2	Lenovo	TP00083A	PF-0PRDGN
USB Cable	N/A	N/A	1.00m Unshielded

3.3 Support Software

Description	Manufacturer	Software Name
Software	N/A	SecureCRT Version 7.0.4 and rtwpriv command

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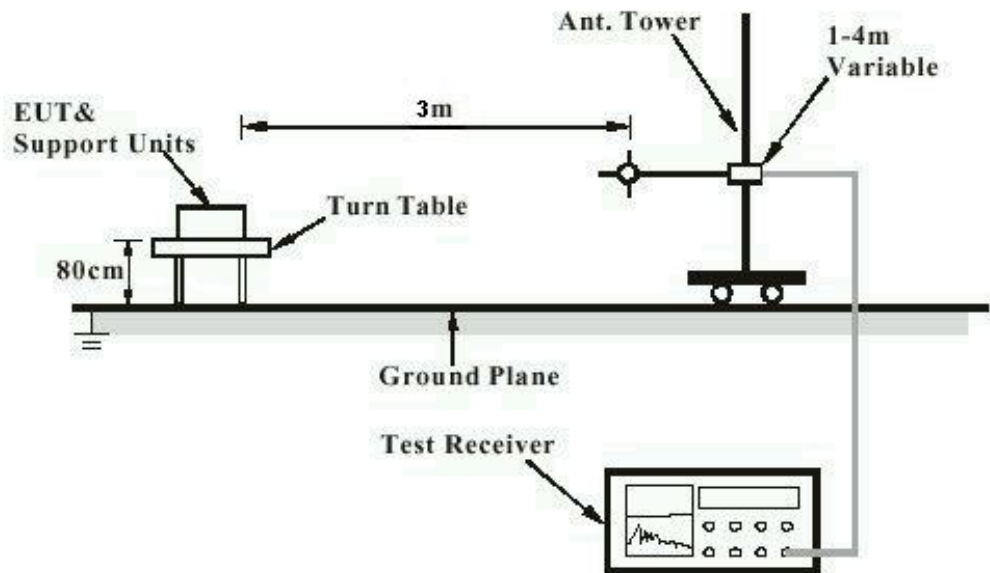
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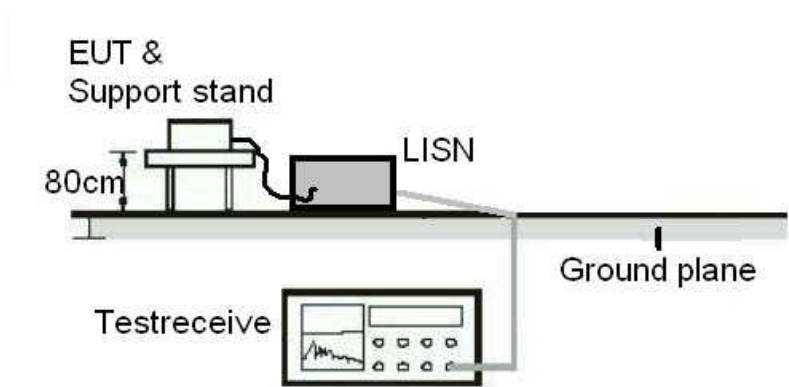
3.4 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



Note: Measurements above 1GHz are done with a table height of 1.5m. In addition, there is RF absorbing material on the floor of the test site for above 1GHz measurement.

Diagram of Measurement Configuration for Conduction Test



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Diagram of Measurement Configuration for Transmitter Test

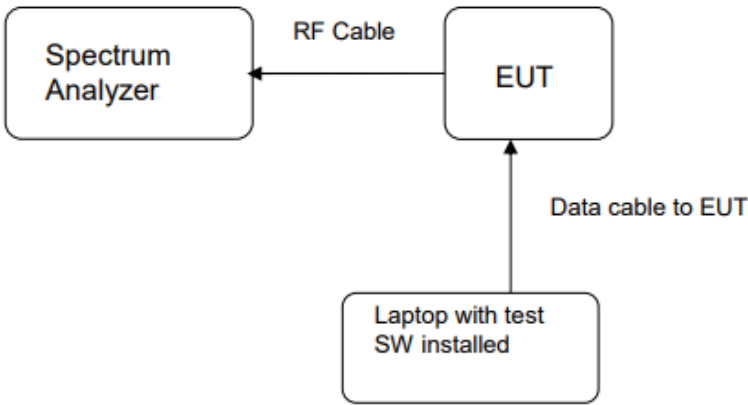
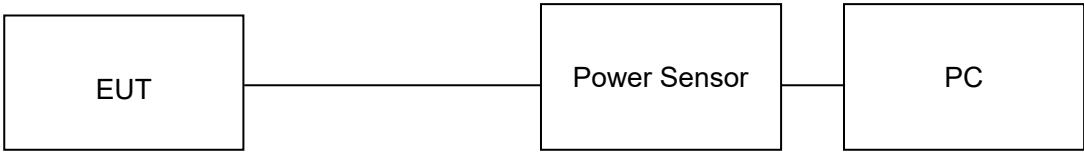


Diagram of Measurement Equipment Configuration for conducted output power setup



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4 Test Results

4.1 Transmitter Requirement & Test Suites

4.1.1 Antenna Requirement

RESULT:

PASS

Test standard	: FCC Part 15.407(a), 15.203
Requirement	: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. In addition, If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 3.70dBi. The antenna is an Internal antenna with no possibility of replacement with a non-approved antenna by the end-user.

Therefore, the EUT is considered to comply with this provision.

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4.1.2 Maximum Conducted Output Power

RESULT:

PASS

Test standard : FCC Part 15.407(a)
Requirement : ANSI C63.10-2013 clause 12.3.3.1, KDB 789033
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.1.a
Ambient temperature : 24.8°C
Relative humidity : 43%

Table 1: Maximum Conducted Output Power for U-NII-1 (5150MHz~5250MHz)

Test Mode	Duty Cycle (%)	Test Channel (MHz)	Maximum Conducted Output Power		Applicable Limit
			(dBm)	(mW)	
802.11a	66.68	5180	14.40	27.54	250mW (23.98dBm)
		5220	14.53	28.38	
		5240	14.35	27.23	
802.11n(HT20)	55.07	5180	15.26	33.57	
		5220	15.11	32.43	
		5240	15.37	34.43	

Table 2: Maximum Conducted Output Power for U-NII-3 (5725MHz~5850MHz)

Test Mode	Duty Cycle (%)	Test Channel (MHz)	Maximum Conducted Output Power		Applicable Limit
			(dBm)	(mW)	
802.11a	63.59	5745	15.20	33.11	1W(30dBm)
		5785	14.69	29.44	
		5825	14.77	29.99	
802.11n(HT20)	60.32	5745	15.04	31.92	
		5785	14.93	31.12	
		5825	14.95	31.26	

Notes: Add $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

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4.1.3 26dB Bandwidth and 99% Bandwidth

RESULT:

PASS

Test standard : FCC Part 15.407(a)

Requirement : ANSI C63.10-2013 clause 12.4, KDB 789033

Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High

Operation Mode : A.1.a

Ambient temperature : 24.8°C

Relative humidity : 43%

Table 3: 26dB Bandwidth and 99% Bandwidth for U-NII-1 (5150MHz～5250 MHz)

Test Mode	Test Channel (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11a	5180	19.72	16.476
	5220	19.37	16.364
	5240	19.93	16.533
802.11n(HT20)	5180	20.49	17.617
	5220	20.66	17.589
	5240	20.30	17.633

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Figure 1: 802.11a, 5180MHz
Test Plot of -26dB Bandwidth and 99% Bandwidth

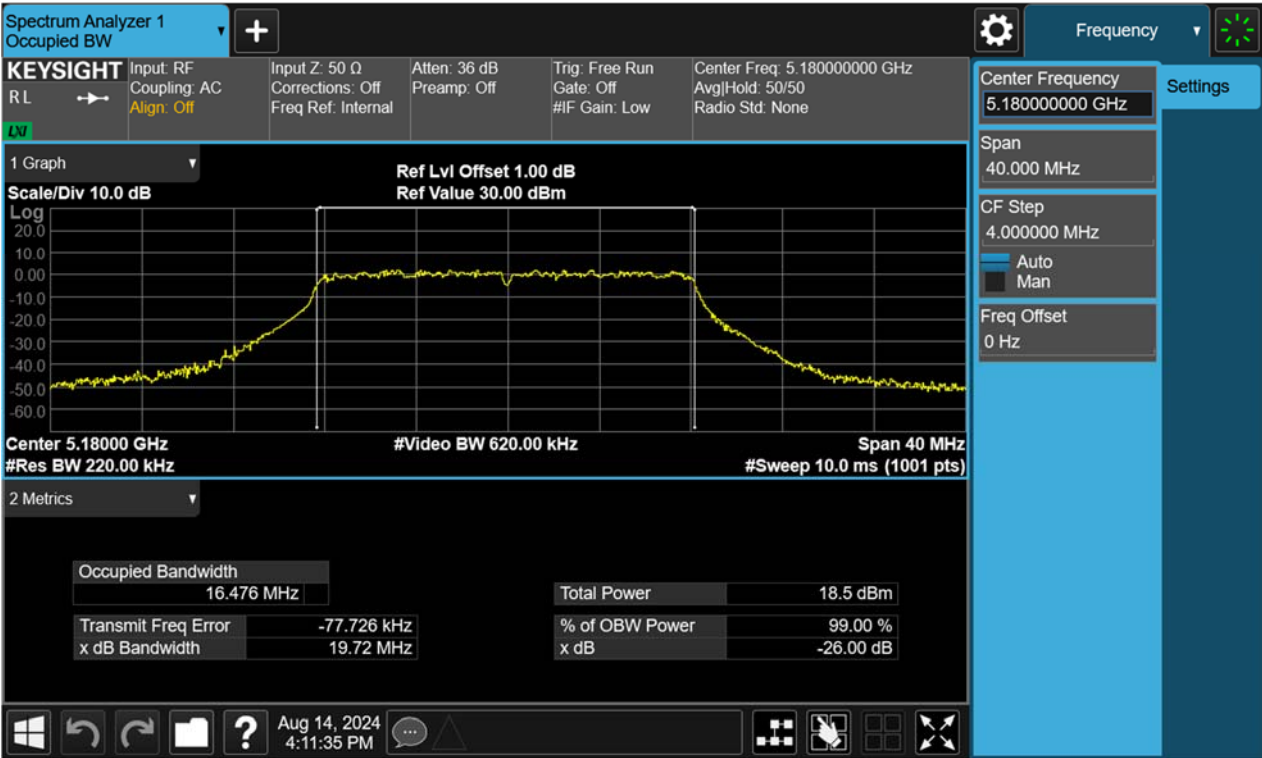
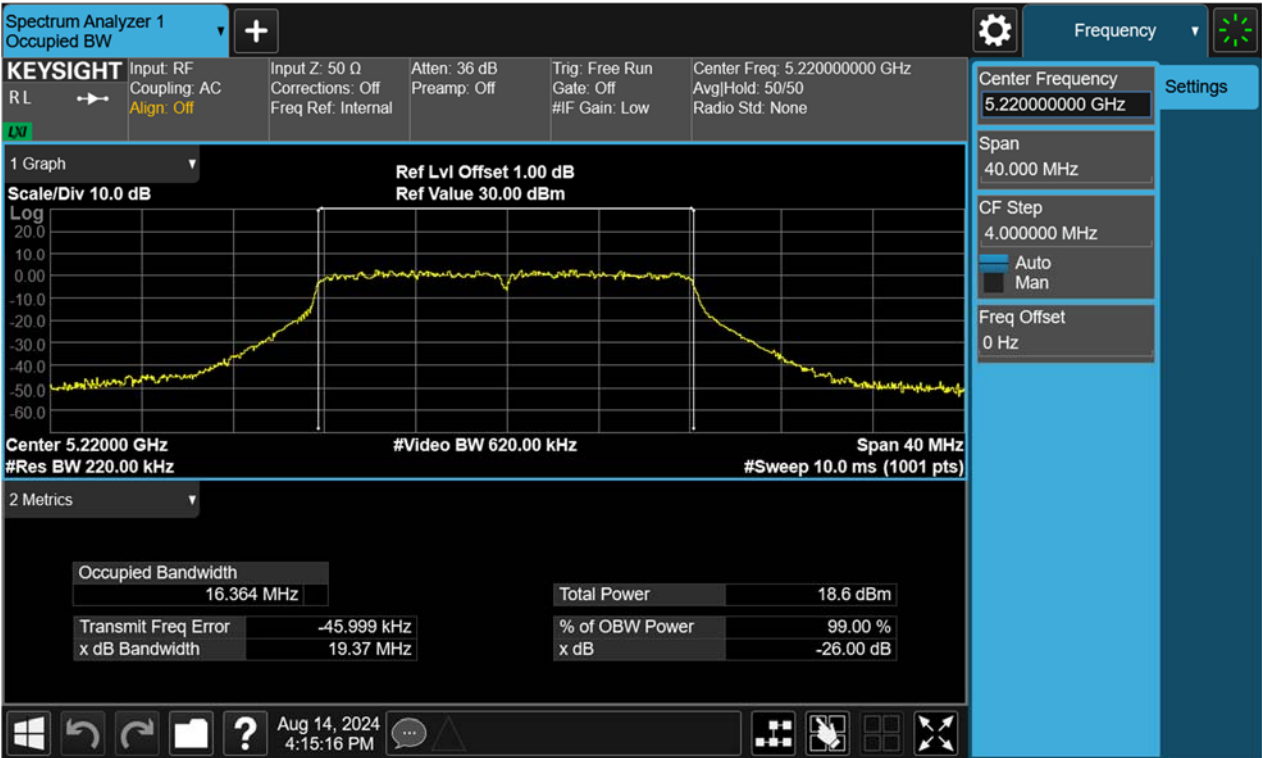


Figure 2: 802.11a, 5220MHz
Test Plot of -26dB Bandwidth and 99% Bandwidth



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Figure 3: 802.11a, 5240MHz
Test Plot of -26dB Bandwidth and 99% Bandwidth

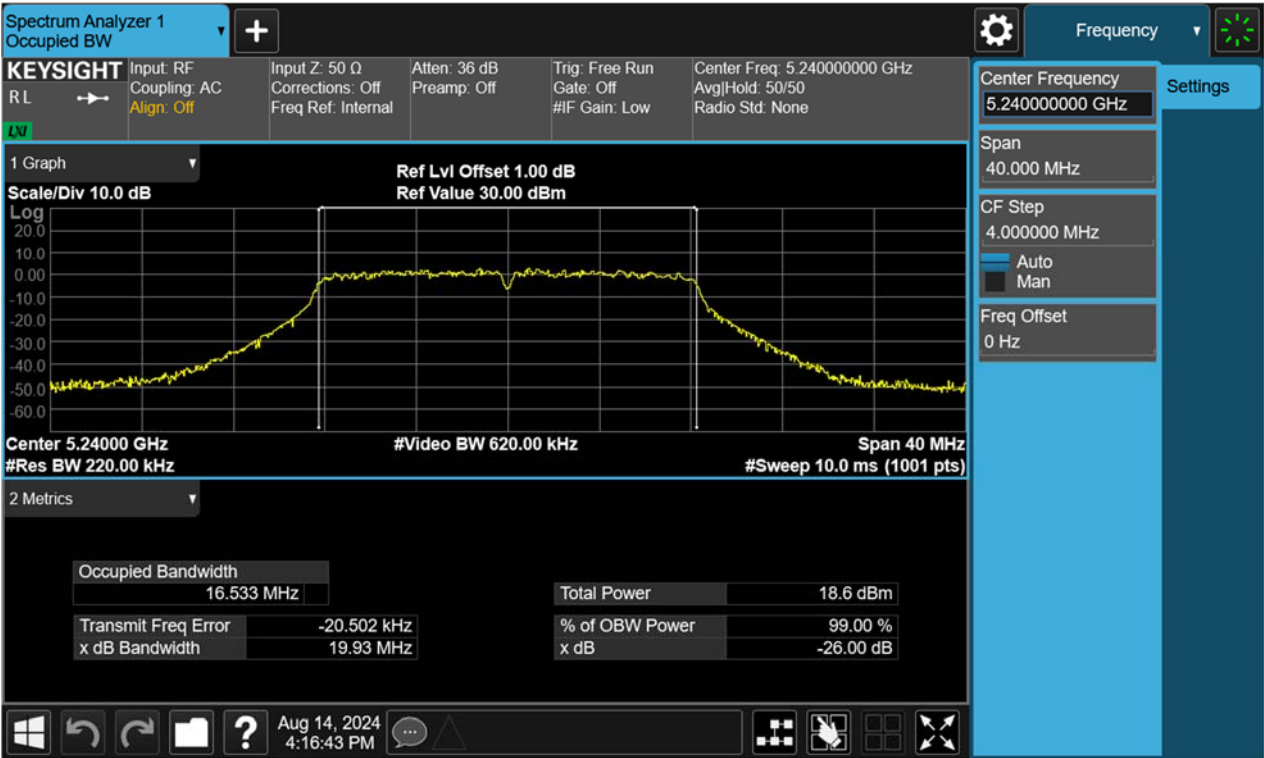


Figure 4: 802.11n(HT20), 5180MHz
Test Plot of -26dB Bandwidth and 99% Bandwidth



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Figure 5: 802.11n(HT20), 5220MHz
Test Plot of -26dB Bandwidth and 99% Bandwidth

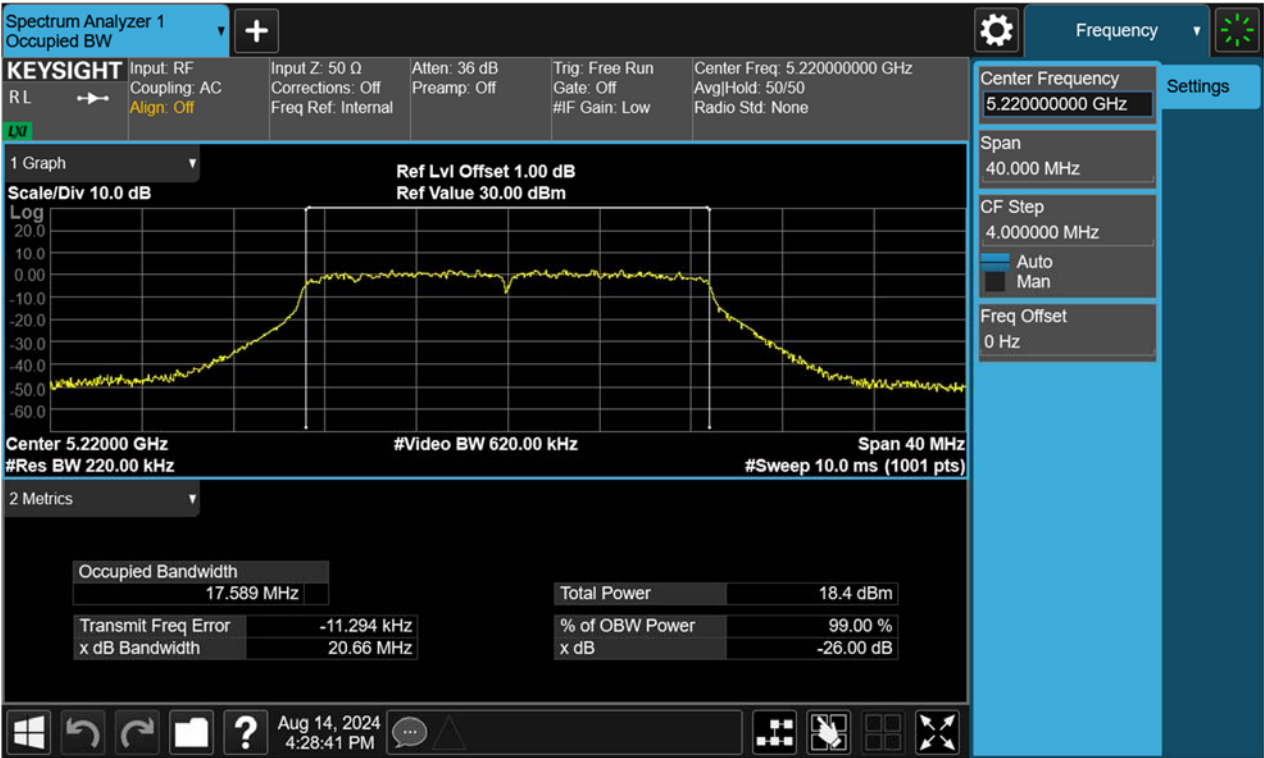
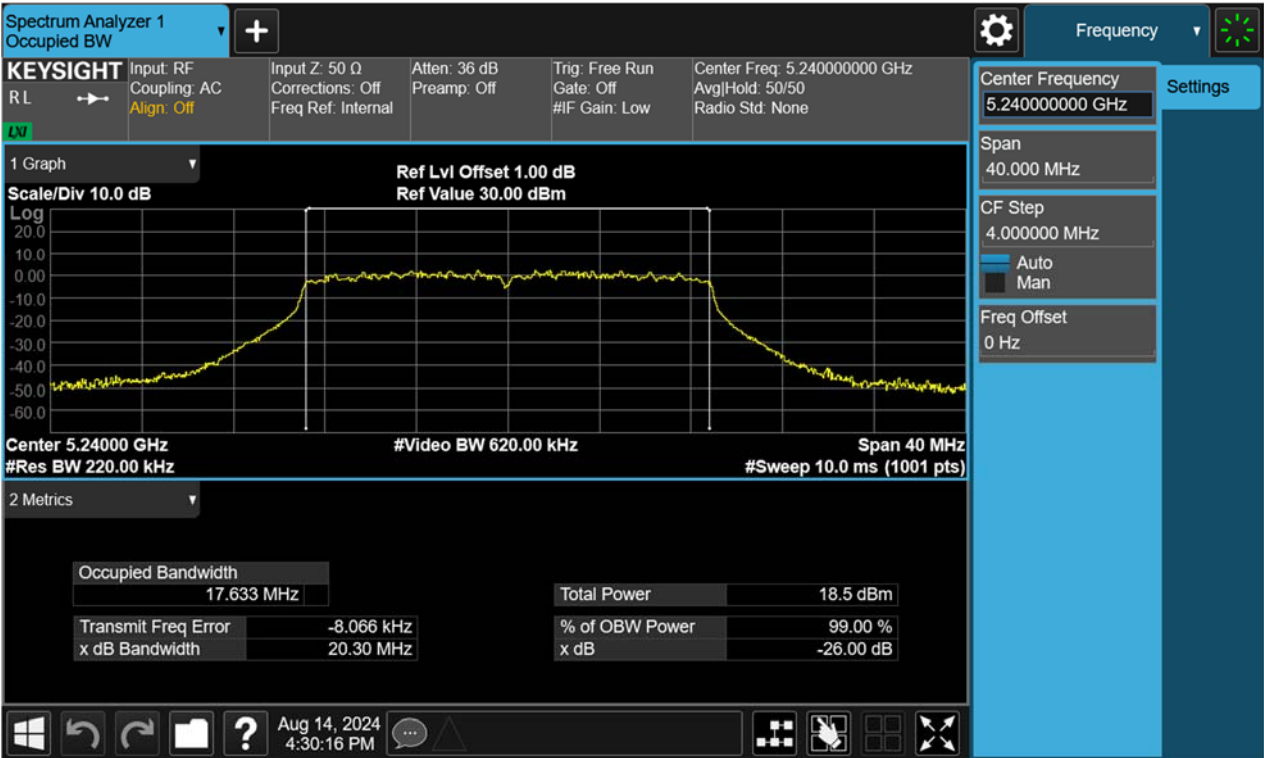


Figure 6: 802.11n(HT20), 5240MHz
Test Plot of -26dB Bandwidth and 99% Bandwidth



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4.1.4 6dB Bandwidth and 99% Bandwidth

RESULT:

PASS

Test standard : FCC Part 15.407(e)

Requirement : ANSI C63.10-2013 clause 12.4, KDB 789033

Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High

Operation Mode : A.1.a

Ambient temperature : 24.8°C

Relative humidity : 43%

Table 4: 6dB Bandwidth and 99% Occupied Bandwidth

Test Mode	Test Channel (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Applicable Limit (MHz)
802.11a	5745	16.36	16.406	>0.5
	5785	16.32	16.405	
	5825	16.11	16.462	
802.11n(HT20)	5745	16.89	17.565	
	5785	16.80	17.686	
	5825	15.78	17.624	

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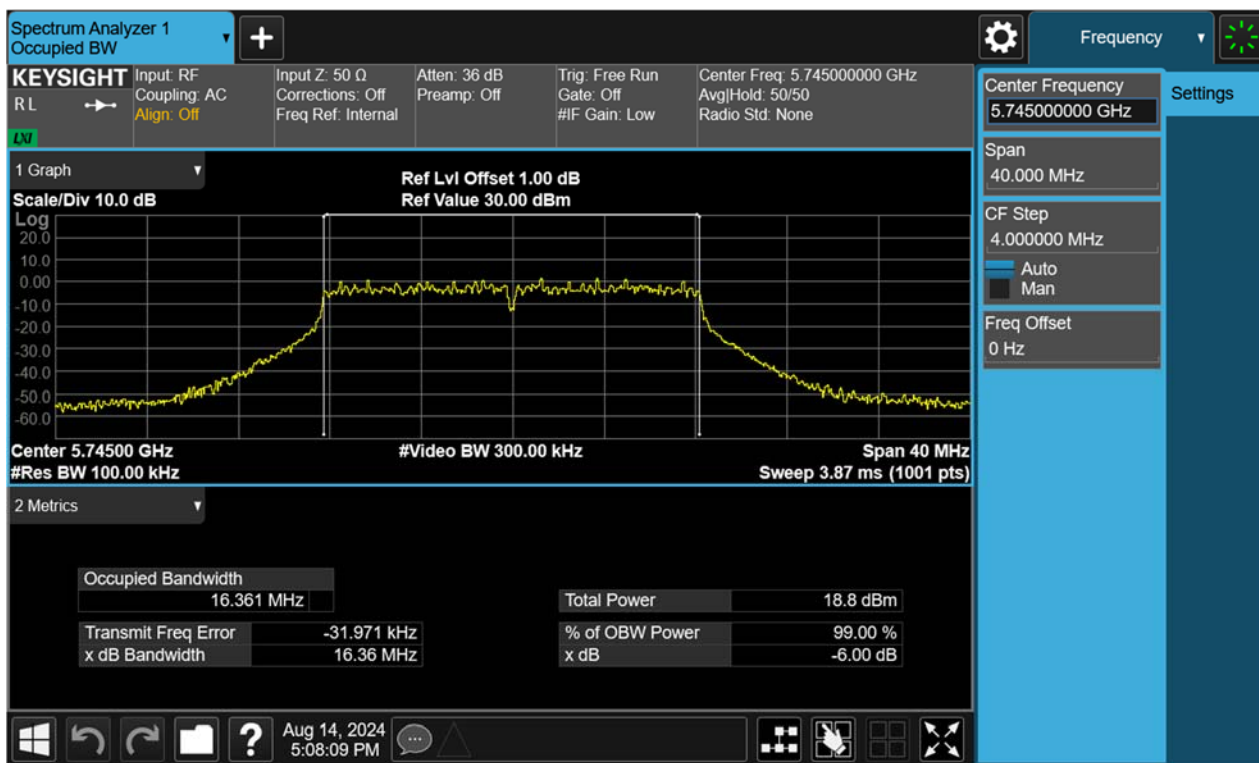
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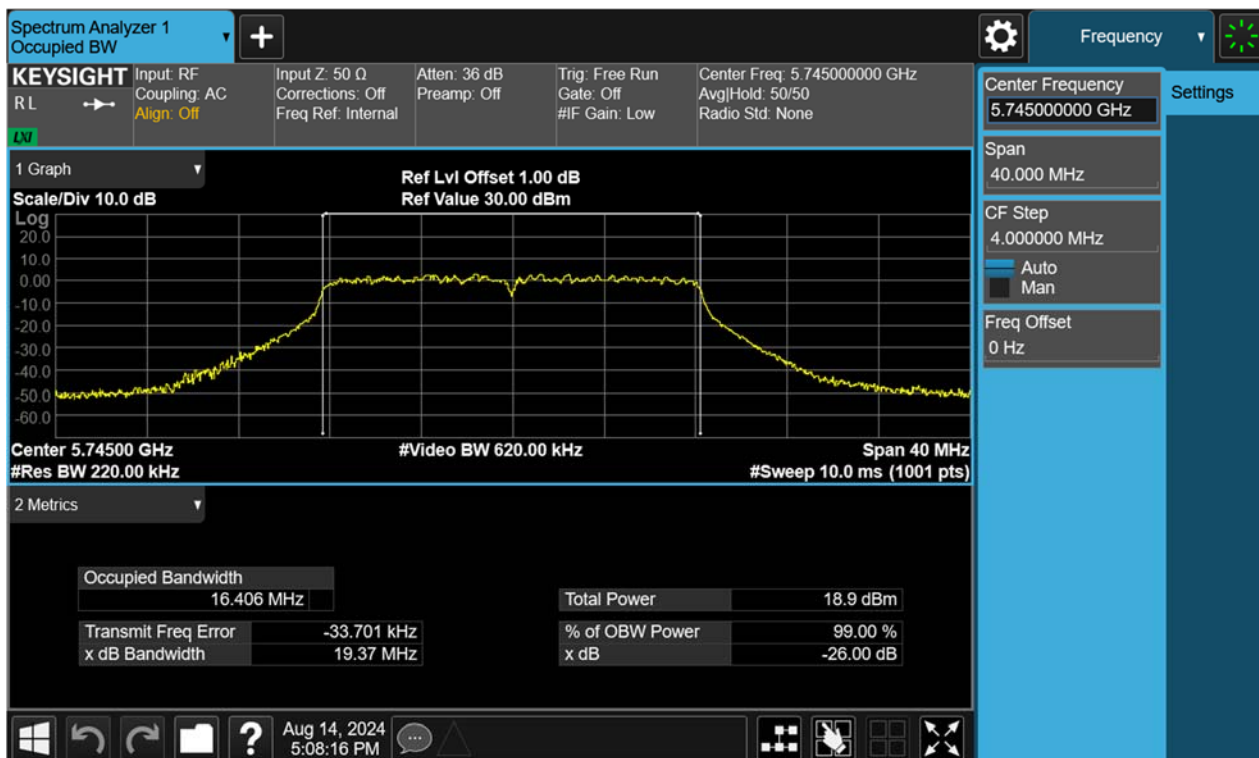
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Figure 7: 802.11a, 5745MHz

Test Plot of -6dB Bandwidth

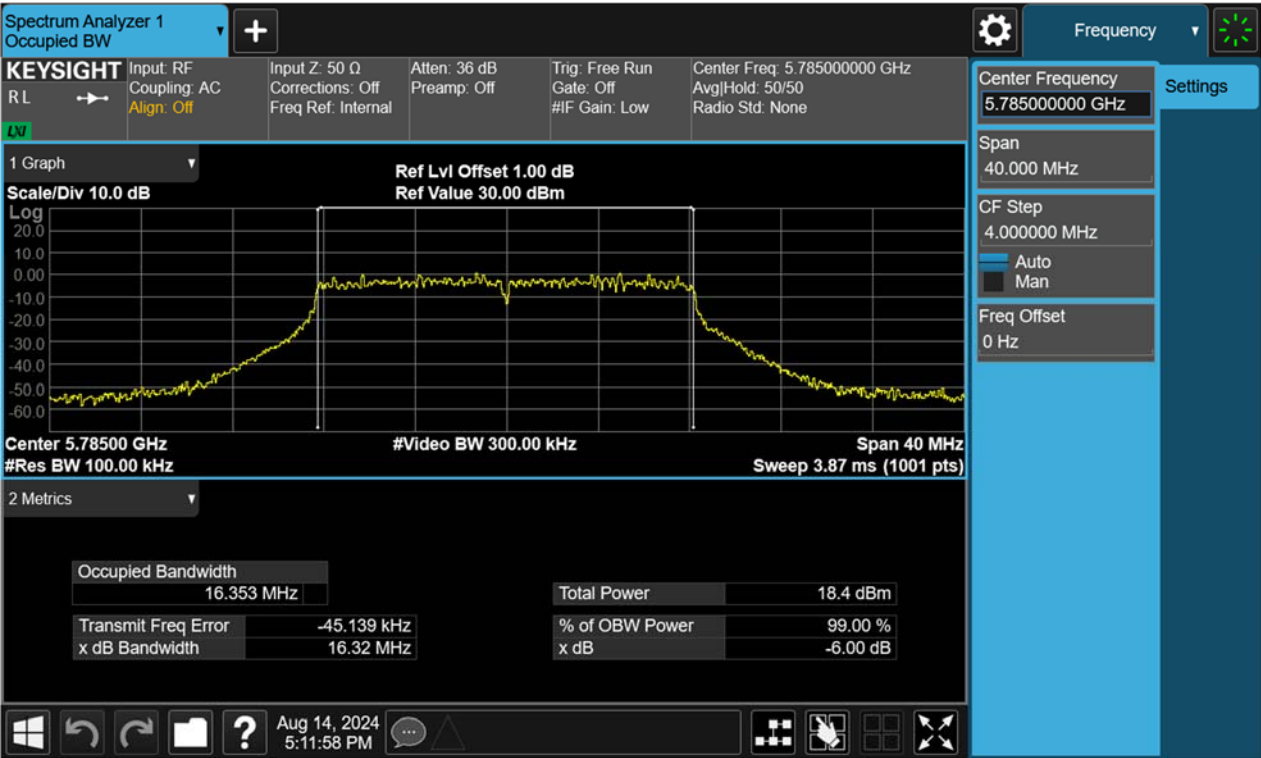


Test Plot of 99% Occupied Bandwidth

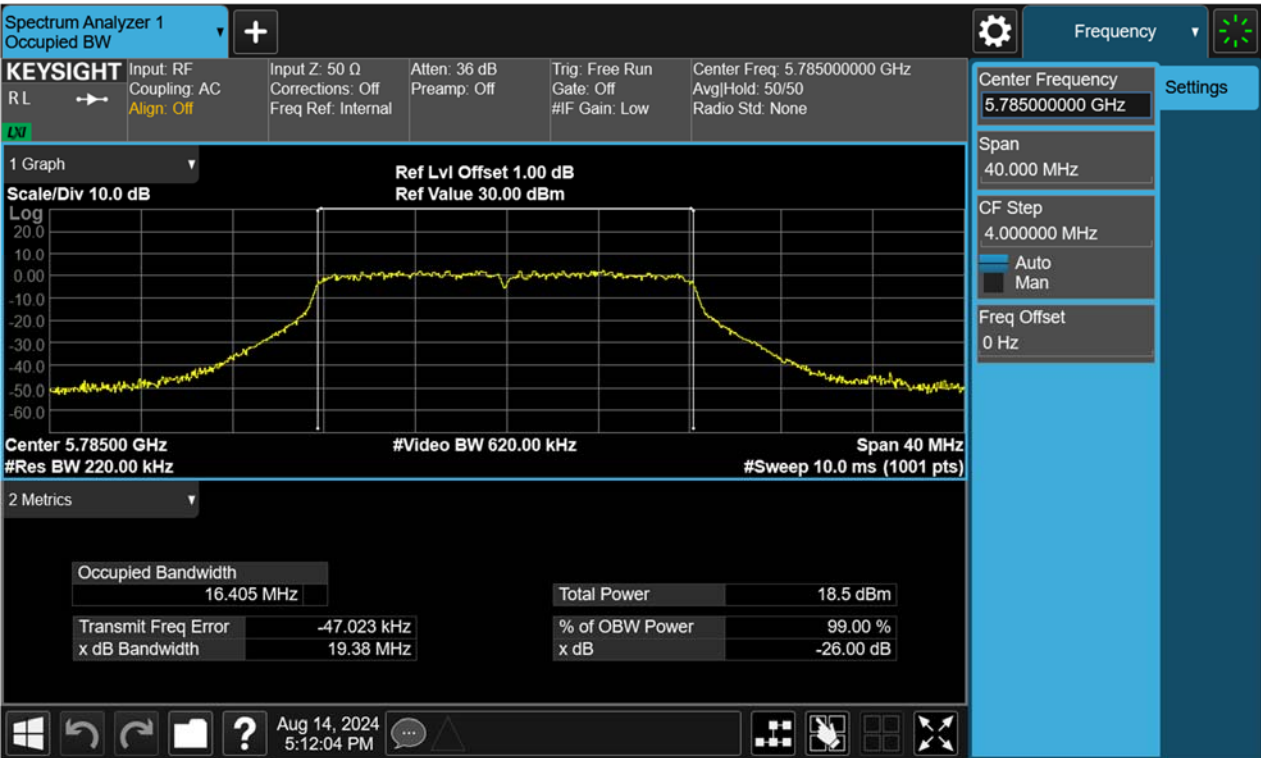


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Figure 8: 802.11a, 5785MHz
Test Plot of -6dB Bandwidth



Test Plot of 99% Occupied Bandwidth



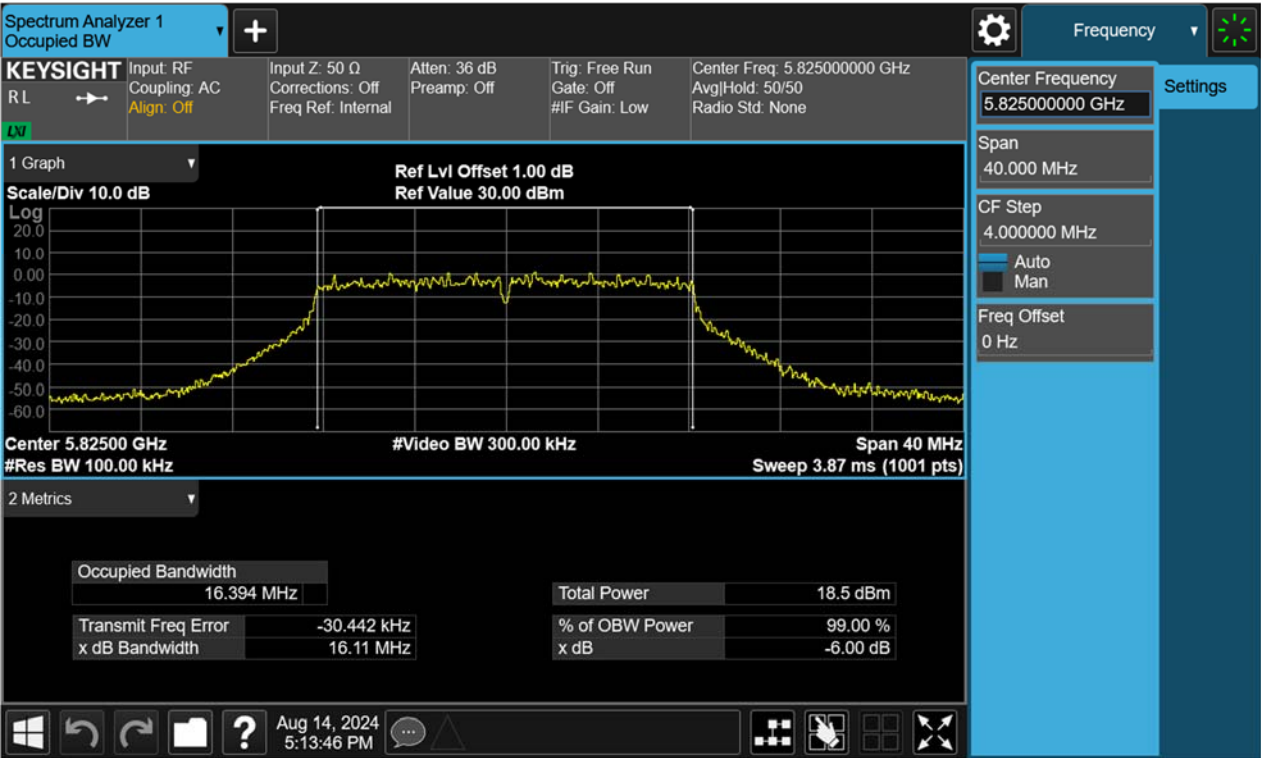
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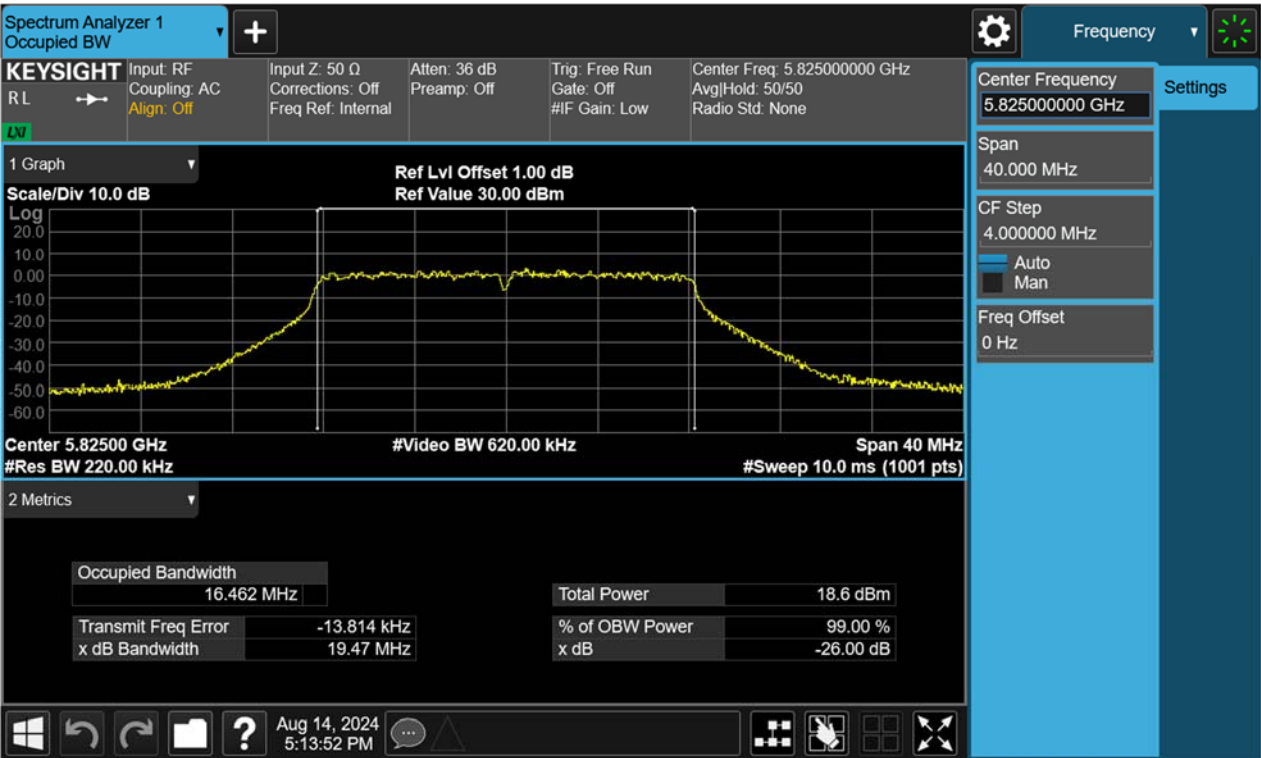
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Figure 9: 802.11a, 5825MHz
Test Plot of -6dB Bandwidth



Test Plot of 99% Occupied Bandwidth



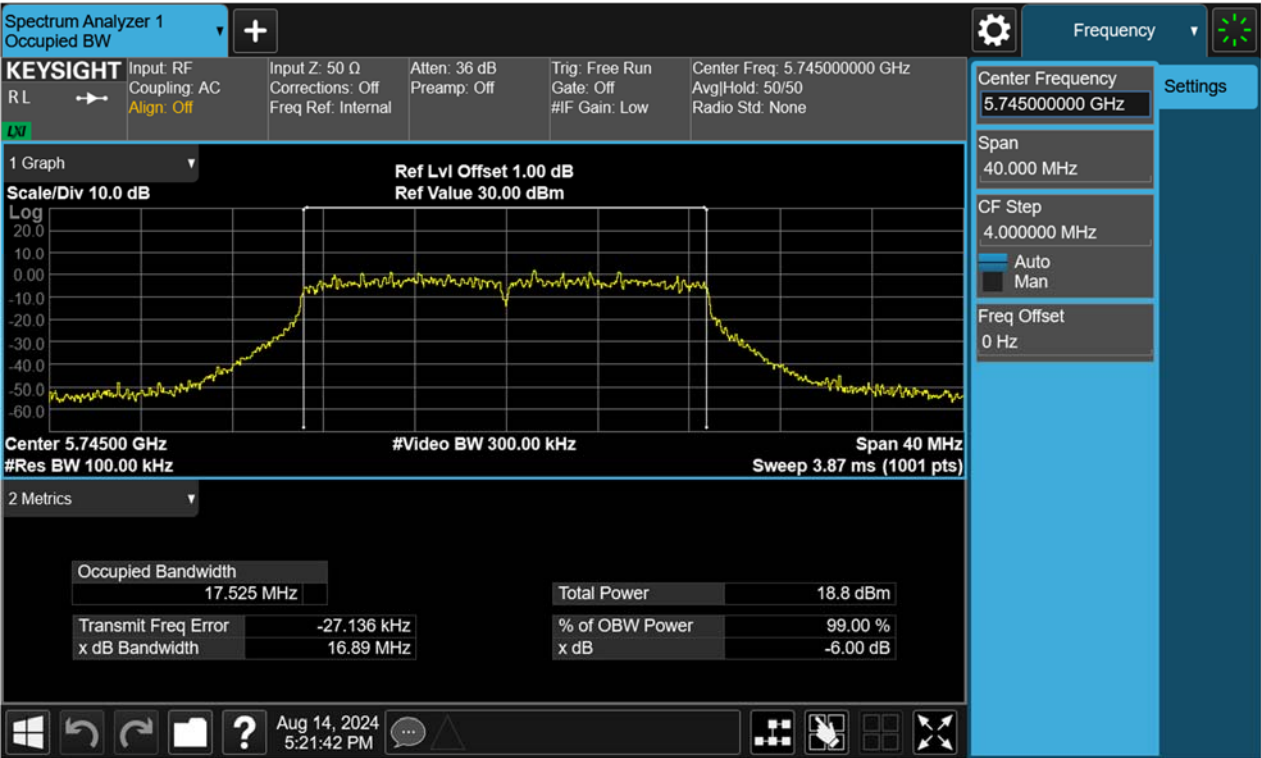
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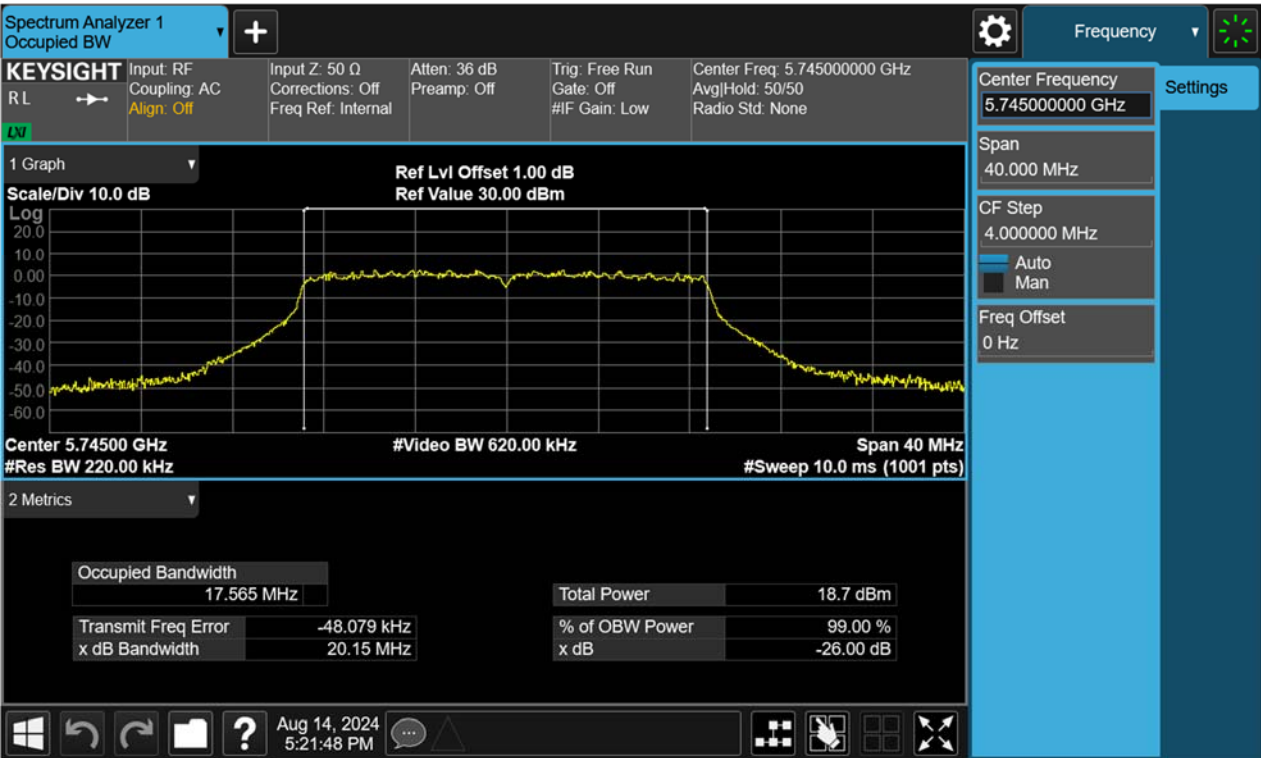
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Figure 10: 802.11n(HT20), 5745MHz
Test Plot of -6dB Bandwidth

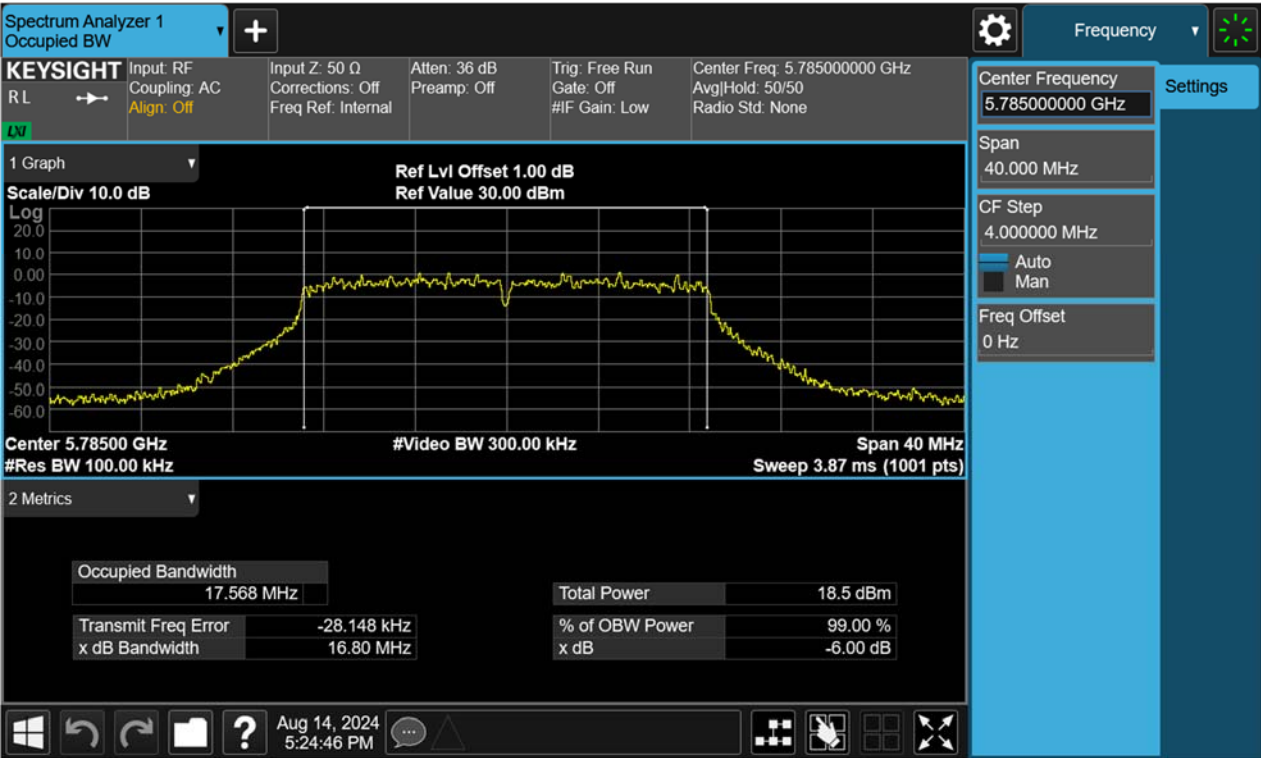


Test Plot of 99% Occupied Bandwidth

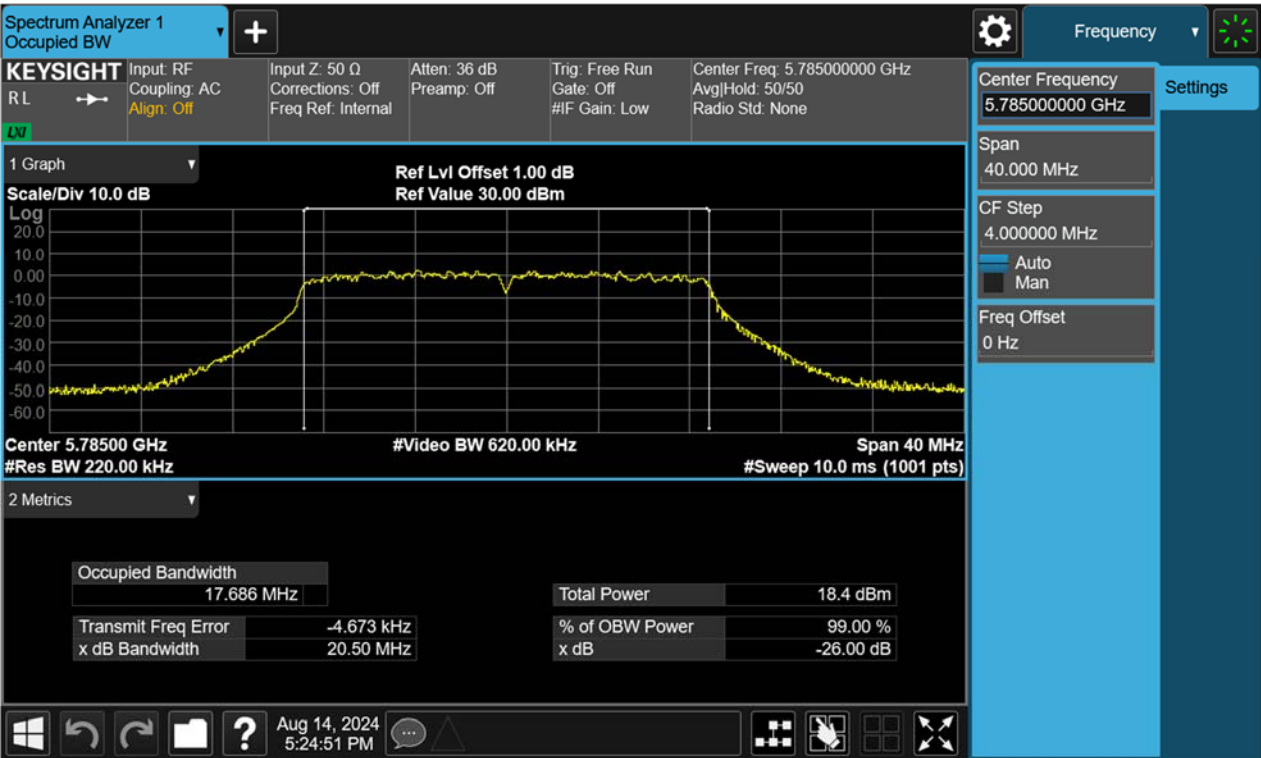


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Figure 11: The plots of 6dB Bandwidth, 802.11n(HT20), 5785MHz
Test Plot of -6dB Bandwidth

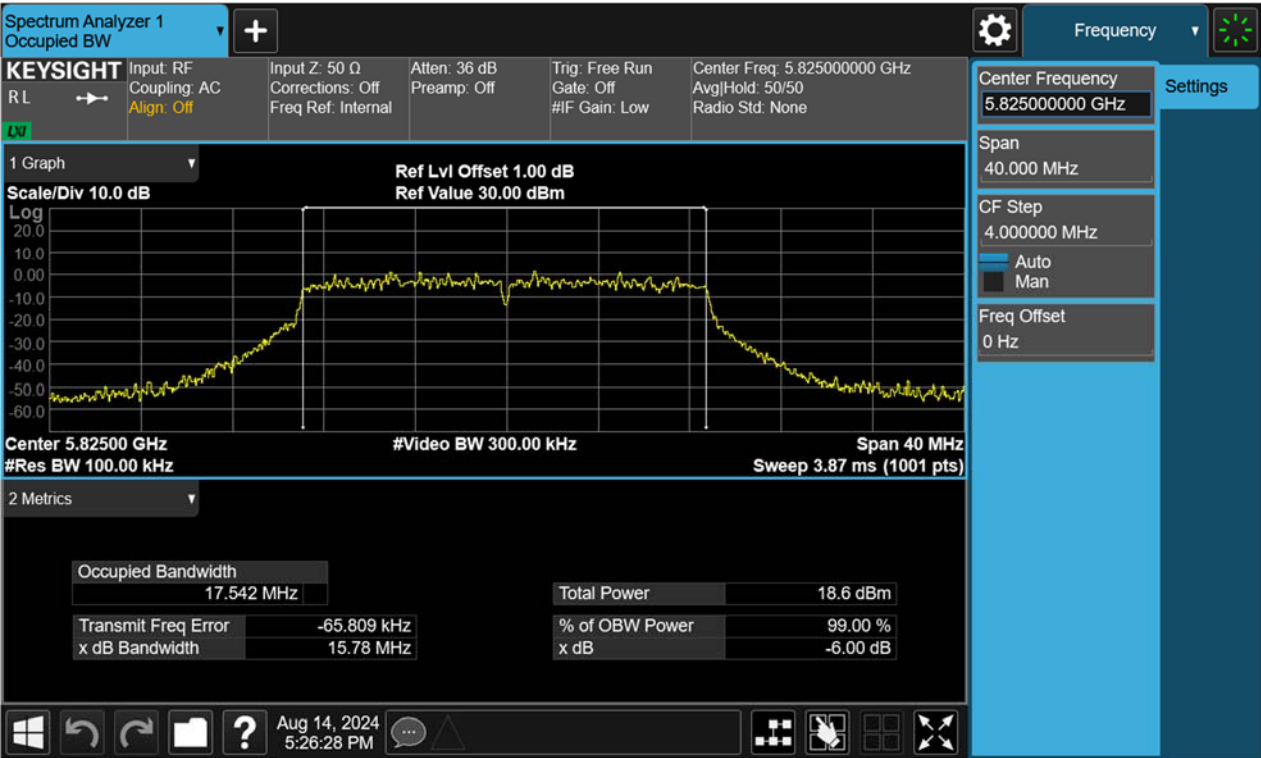


Test Plot of 99% Occupied Bandwidth

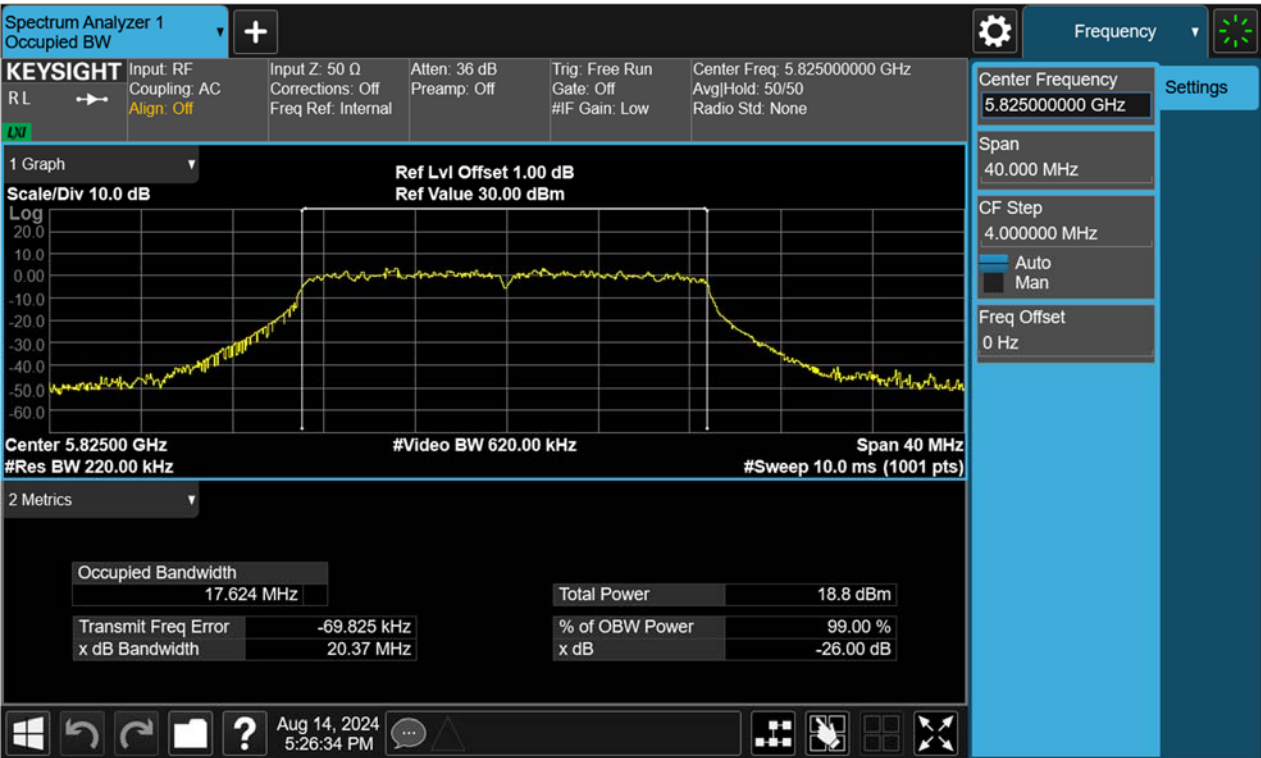


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Figure 12: The plots of 6dB Bandwidth, 802.11n(HT20), 5825MHz
Test Plot of -6dB Bandwidth



Test Plot of 99% Occupied Bandwidth



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4.1.5 Maximum Conducted Output Power Spectral Density

RESULT: PASS

Test standard : FCC Part 15.407(a)
Requirement : ANSI C63.10-2013 clause 12.5(SA-2), KDB 789033
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.1.a
Ambient temperature : 24.8°C
Relative humidity : 43%

Notes:
Test plots please refer to the annex document “SHE24090032-02DE DATA WIFI5GHz- Maximum Conducted Output Power Spectral Density EXHIBIT A”

Table 5: Maximum Conducted Output Power Spectral Density for U-NII-1 (5150MHz~5250MHz)

Test Mode	Duty Cycle	Test Channel (MHz)	Maximum PSD (dBm/MHz)	Applicable Limit (dBm/MHz)
802.11a	66.68	5180	7.46	11
		5220	8.21	
		5240	9.04	
802.11n(HT20)	55.07	5180	9.26	
		5220	8.55	
		5240	8.38	

Table 6: Maximum Conducted Output Power Spectral Density for U-NII-3 (5725MHz~5850MHz)

Test Mode	Duty Cycle	Test Channel (MHz)	Maximum PSD (dBm/500kHz)	Applicable Limit (dBm/500kHz)
802.11a	63.59	5745	7.21	30
		5785	6.38	
		5825	6.14	
802.11n(HT20)	60.32	5745	6.50	
		5785	6.59	
		5825	7.16	

Notes: Add [10 log (1 / D)], where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

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4.1.6 Conducted Spurious Emission

RESULT:

PASS

Test standard	: FCC Part 15.407(b), 15.209,
Requirement	: ANSI C63.10-2013 clause 12.7.4, KDB 789033
Kind of test site	: Shielded room

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A.1.a
Ambient temperature	: 24.8°C
Relative humidity	: 43%

Notes:

Test plots please refer to the annex document "SHE24090032-02DE DATA WLAN 5GHz-TX CSE EXHIBIT A".

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4.1.7 Radiated Emission

RESULT:

PASS

Test standard	: FCC Part 15.407(b), 15.209, 15.205
Requirement	: ANSI C63.10-2013 clause 12.7.4, KDB 789033
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A.1.a
Ambient temperature	: 24.1°C
Relative humidity	: 53%

Notes:

Test plots please refer to the annex document "SHE24090032-02DE DATA WIFI5GHz-TX EXHIBIT A"

1. For 9 kHz ~ 30 MHz, the amplitude of spurious emissions that are attenuated by more than 20dB below the permissible. The value has no need to be reported.
2. The spurious above 18GHz is noise only and 20dB below the limit. The value has no need to be reported.
3. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.
4. Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Results-Limit.

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4.1.8 Band Edge (Restricted-band band-edge)

RESULT:

PASS

Test standard	: FCC Part 15.407(b)
Requirement	: ANSI C63.10-2013 clause 12.7.4.4, KDB 789033
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/High
Operation Mode	: A.1.a
Ambient temperature	: 24.1°C
Relative humidity	: 53%

Notes:

Test plots please refer to the annex document "SHE24090032-02DE DATA WIFI5GHz-TX EXHIBIT A"

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.
2. Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Results-Limit.

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4.1.9 Frequency Stability

RESULT:

PASS

Test standard

: FCC Part 15.407(g)

Kind of test site

: Shielded room

Test setup

Test Channel

: Low/Middle/High

Operation Mode

: A.1.a

Ambient temperature

: 24.8°C

Relative humidity

: 43%

Table 7: Frequency Stability
U-NII-1 (5150MHz – 5250MHz):
Voltage vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
25	AC 100V	5179.958200	8.07	±20
	AC 120V	5179.957325	8.24	
	AC 240V	5179.957150	8.27	

Temperature vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
AC 120V	0	5179.956550	8.39	±20
	10	5179.956500	8.40	
	20	5179.956425	8.41	
	30	5179.956450	8.41	
	40	5179.956400	8.42	

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U-NII-3 (5725MHz – 5850MHz):
Voltage vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
25	AC 100V	5744.953450	8.10	±20
	AC 120V	5744.952425	8.28	
	AC 240V	5744.952250	8.31	

Temperature vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
AC 120V	0	5744.951800	8.39	±20
	10	5744.951625	8.42	
	20	5744.951400	8.46	
	30	5744.951300	8.48	
	40	5744.952875	8.20	

Note: The all configurations were tested respectively, but only the worst channel shown here.

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4.2 Mains Emissions

4.2.1 Conducted Emission on AC Mains

RESULT:

PASS

Test standard	: FCC Part 15.207
Requirement	: ANSI C63.10-2013 clause 6.2
Kind of test site	: Shielded room

Test setup

Input Voltage	: DC 12V supply by AC adapter (which received AC 120V, 60Hz)
Operation Mode	: A.1.a
Earthing	: Not Connected
Ambient temperature	: 23.2°C
Relative humidity	: 52%

For details refer to following test plot.

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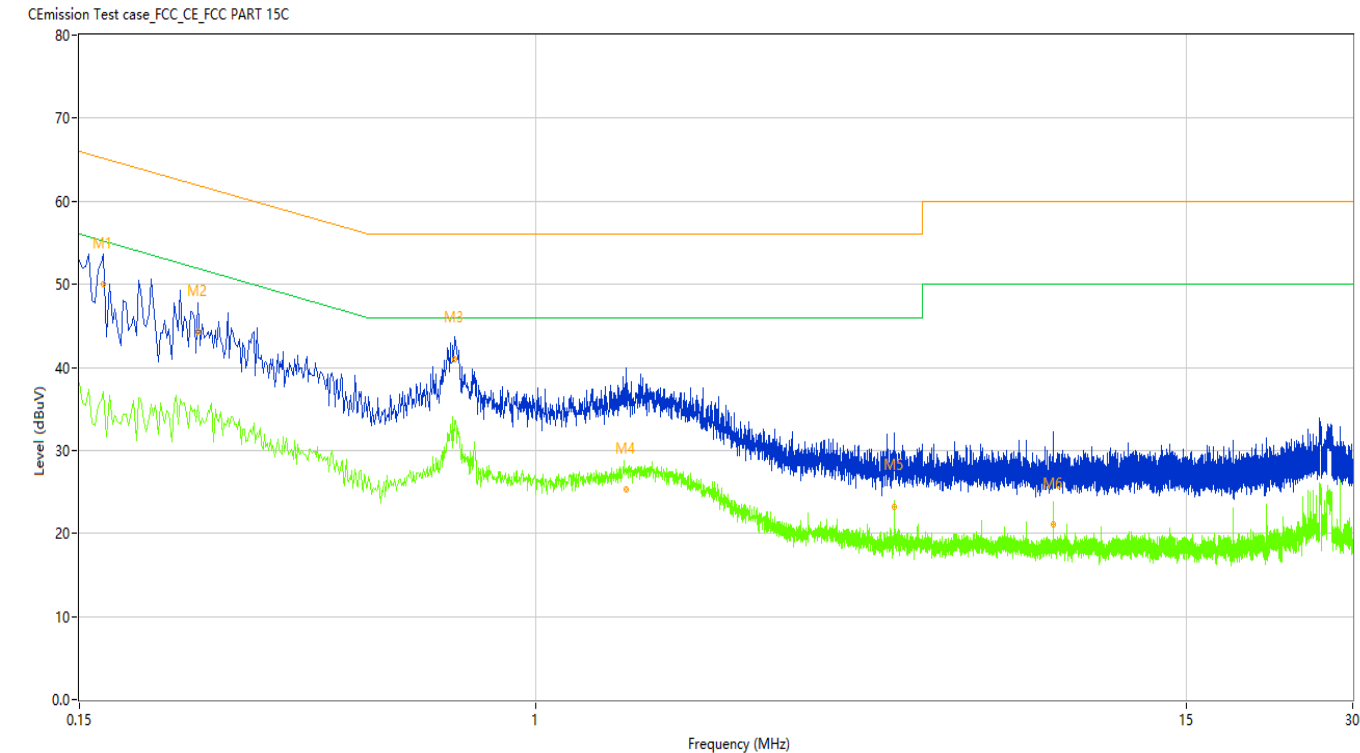
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Note: The all configurations were tested respectively, but only the worst configuration shown here.

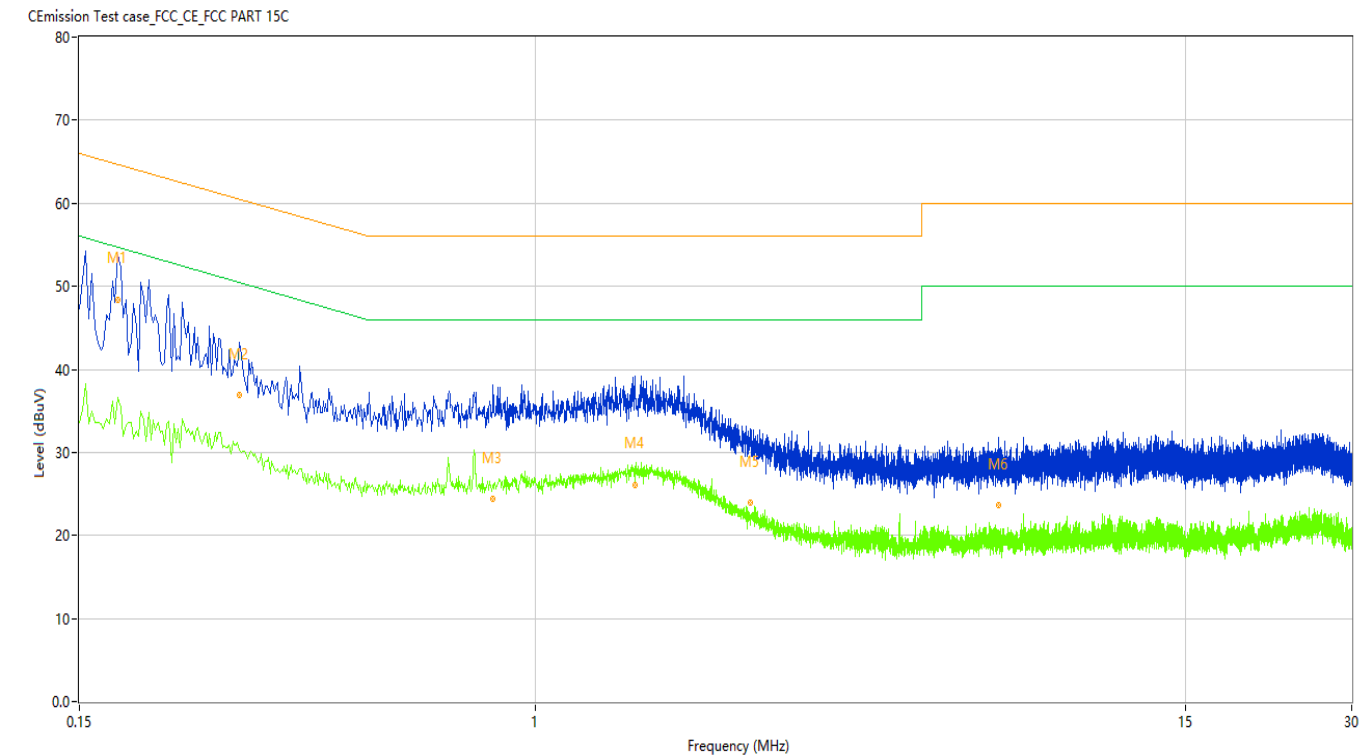
Figure 13: Conducted Emission on AC Mains, L Phase



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.166	59.33	9.85	65.16	5.83	Peak	L	Pass
1*	0.166	50.05	9.85	65.16	15.11	QP	L	Pass
1**	0.166	37.09	9.85	55.16	18.07	AV	L	Pass
2	0.246	49.45	9.95	61.89	12.44	Peak	L	Pass
2*	0.246	44.30	9.95	61.89	17.59	QP	L	Pass
2**	0.246	35.44	9.95	51.89	16.45	AV	L	Pass
3	0.716	43.78	9.89	56.00	12.22	Peak	L	Pass
3*	0.716	40.97	9.89	56.00	15.03	QP	L	Pass
3**	0.716	33.67	9.89	46.00	12.33	AV	L	Pass
4	1.462	32.57	9.76	56.00	23.43	Peak	L	Pass
4*	1.462	25.29	9.76	56.00	30.71	QP	L	Pass
4**	1.462	27.94	9.76	46.00	18.06	AV	L	Pass
5	4.456	29.03	9.77	56.00	26.97	Peak	L	Pass
5*	4.456	23.25	9.77	56.00	32.75	QP	L	Pass
5**	4.456	23.91	9.77	46.00	22.09	AV	L	Pass
6	8.630	27.31	9.68	60.00	32.69	Peak	L	Pass
6*	8.630	21.07	9.68	60.00	38.93	QP	L	Pass
6**	8.630	23.80	9.68	50.00	26.20	AV	L	Pass

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Figure 14: Conducted Emission on AC Mains, N Phase



No.	Frequency (MHz)	Results (dBUV)	Factor (dB)	Limit (dBUV)	Margin (dB)	Detector	Line	Verdict
1	0.176	54.30	9.96	64.67	10.37	Peak	N	Pass
1*	0.176	48.39	9.96	64.67	16.28	QP	N	Pass
1**	0.176	36.58	9.96	54.67	18.09	AV	N	Pass
2	0.292	43.11	9.98	60.47	17.36	Peak	N	Pass
2*	0.292	36.99	9.98	60.47	23.48	QP	N	Pass
2**	0.292	30.26	9.98	50.47	20.21	AV	N	Pass
3	0.840	31.56	9.97	56.00	24.44	Peak	N	Pass
3*	0.840	24.34	9.97	56.00	31.66	QP	N	Pass
3**	0.840	25.87	9.97	46.00	20.13	AV	N	Pass
4	1.518	34.23	9.90	56.00	21.77	Peak	N	Pass
4*	1.518	26.12	9.90	56.00	29.88	QP	N	Pass
4**	1.518	28.38	9.90	46.00	17.62	AV	N	Pass
5	2.450	34.33	9.83	56.00	21.67	Peak	N	Pass
5*	2.450	24.01	9.83	56.00	31.99	QP	N	Pass
5**	2.450	22.49	9.83	46.00	23.51	AV	N	Pass
6	6.902	27.42	9.80	60.00	32.58	Peak	N	Pass
6*	6.902	23.64	9.80	60.00	36.36	QP	N	Pass
6**	6.902	19.78	9.80	50.00	30.22	AV	N	Pass