

TEST REPORT

Product Name : Smart thermostat
Model Number : GS366A-MWAC
FCC ID : 2ASY-YGS366AMWAC

Prepared for : Siterwell Electronics Co., Limited
Address : No.666 Qingfeng Road, Jiangbei District, Ningbo, Zhejiang Province, China.

Prepared by : EMTEK (NINGBO) CO., LTD.
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Report Number : ENB2603240076W00203R
Date(s) of Tests : March 24, 2026 to May 18, 2026
Date of issue : May 20, 2026

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Modified Information

Version	Report No.	Revision Date	Summary
/	ENB2603240076W00203R	/	Original Report



1 TEST RESULT CERTIFICATION

Applicant : Siterwell Electronics Co., Limited
Address : No.666 Qingfeng Road, Jiangbei District, Ningbo, Zhejiang Province, China.
Manufacturer : Siterwell Electronics Co., Limited
Address : No.666 Qingfeng Road, Jiangbei District, Ningbo, Zhejiang Province, China.
EUT : Smart thermostat
Model Name : GS366A-MWAC
Trademark : N/A

Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart E	PASS

The above equipment was tested by EMTEK (NINGBO) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the above table standards requirement.

The test results of this report relate only to the tested sample identified in this report.

Date of Test :	March 24, 2026 to May 18, 2026
Prepared by :	WK Luo
	WK Luo /Engineer
Reviewer :	June Gao
	June Gao /Supervisor
Approved & Authorized Signer :	Tony Wei
	Tony Wei /Manager

2 EUT TECHNICAL DESCRIPTION

Product Name:	Smart thermostat
Model Number:	GS366A-MWAC
Wifi Type:	UNII-1: 5150MHz-5250MHz Band UNII-2A: with 5250MHz-5350MHz Band UNII-2C: with 5470MHz-5725MHz Band UNII-3: with 5725MHz-5850MHz Band
WLAN Supported:	802.11a 802.11n(20MHz channel bandwidth) 802.11n(40MHz channel bandwidth) 802.11ac(20MHz channel bandwidth) 802.11ax(20MHz channel bandwidth)
Modulation:	OFDM, OFDMA
Frequency Range:	5150MHz-5250MHz Band
	5180-5240MHz for 802.11a 5180-5240MHz for 802.11n(HT20) 5190-5230MHz for 802.11n(HT40) 5180-5240MHz for 802.11ac(HT20) 5190-5230MHz for 802.11ac(HT40)
	5250MHz-5350MHz Band
	5260-5320MHz for 802.11a 5260-5320MHz for 802.11n(HT20) 5270-5310MHz for 802.11n(HT40) 5260-5320MHz for 802.11ac(VHT20) 5260-5320MHz for 802.11ax(HE20)
	5470MHz-5725MHz Band
	5500-5700MHz for 802.11a 5500-5700MHz for 802.11n(HT20) 5510-5670MHz for 802.11n(HT40) 5500-5700MHz for 802.11ac(VHT20) 5500-5700MHz for 802.11ax(HE20)
	5725MHz-5850MHz Band
	5745-5825MHz for 802.11a 5745-5825MHz for 802.11n(HT20) 5755-5795MHz for 802.11n(HT40) 5745-5825MHz for 802.11ac(VHT20) 5745-5825MHz for 802.11ax(HE20)
TPC Function:	Not Support
Beamforming:	Not Support
Antenna Type:	PCB Antenna

Antenna Gain:	5150-5250 MHz: 3.07 dBi 5250-5350 MHz: 1.93 dBi 5470-5725 MHz: 3.43 dBi 5725-5825 MHz: 2.80 dBi
Power Supply:	AC 24V/60Hz
Temperature Range:	-20℃~ +60℃

Note: for more details, please refer to the user's manual of the EUT.



3 SUMMARY OF TEST RESULT

FCC Part Clause	Test Parameter	Verdict	Remark
15.407 (a) 15.407 (e)	99% , 6dB and 26dB Bandwidth	PASS	
15.407 (a)	Maximum Conducted Output Power	PASS	
15.407 (a)	Peak Power Spectral Density	PASS	
15.407 (b)	Radiated Spurious Emission	PASS	
15.407 (b)(6) 15.207	Power Line Conducted Emission	PASS	
15.407(a) 15.203	Antenna Application	PASS	

NOTE: According to FCC OET KDB 789033 D2 General UNII Test Procedures New Rules v02r01, In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is filing to comply with the above table standards requirement.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart E

FCC KDB 789033 D2 General UNII Test Procedures New Rules v02r01

4.2 MEASUREMENT EQUIPMENT USED

Conducted Emission Test Equipment

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-001	EMI Test Receiver	R & S	ESCI	101108	Oct. 24, 2025	1 Year
ENE-336	L.I.S.N	Schwarzbeck	NSLK 8126	8126-05059	June 18, 2025	1 Year
ENE-159	Pulse Limiter	Schwarzbeck	VTSD 9561F-N	2611115-001-0033	Oct. 23, 2025	1 Year
ENE-278	RF Switching Unit	HTEC	HRSU	222101	June 19, 2025	1 Year
ENE-149	Conduction Test Room 1#	SKET	11.5*5*4m	/	March 05, 2025	3 Year

For Spurious Emissions Test

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-185	EMI Test Receiver	R&S	ESR7	102480	March 02, 2026	1 Year
ENE-188	Low Frequency Field Antenna	Schwarzbeck	FMZB 1513-60	00026	June 26, 2025	3 Year
ENE-190	Antenna Multiple	Schwarzbeck	VULB 9163	01499	March 09, 2025	3 Year
ENE-195	Pre-Amplifier	JS Denki	PA09K03-40	JSPA21019	March 02, 2026	1 Year
ENE-204	Low Frequency Notch Filter RF Switching	JS Denki	JSDSW-F	JSDSW2211 D02	March 02, 2026	1 Year
ENE-251	6dB Attenuator	Mini-Circuits	UNAT-6+	11542	June 18, 2025	1 Year
ENE-144	3-Meter Anechoic Chamber2#	SKET	9*6*6m	/	June 21, 2025	3 Year
ENE-171	EXA Signal Analyzer	KEYSIGHT	N9010B	MY60242467	Oct. 24, 2025	1 Year
ENE-191	Horn Antenna	Schwarzbeck	BBHA 9120 D	02588	March 09, 2025	3 Year
ENE-198	Pre-Amplifier	JS Denki	PA0118-50	JSPA21022	March 02, 2026	1 Year
ENE-206	High Frequency Notch FilterRf Switching	JS Denki	JSDSW-F	202083582	March 02, 2026	1 Year

For other test items:

Equ. No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
ENE-253	EXG Analog Singnal Generator	Keysight	N5173B	MY61253062	June 19, 2025	1 Year
ENE-254	MXG Vector Singnal Generator	Keysight	N5182B	MY61350131	June 19, 2025	1 Year
ENE-255	Frequency Extender	Keysight	N5183BX07	MY61500104	June 19, 2025	1 Year
ENE-256	EXA Signal Anaalyzer	Keysight	N9010B	MY62060219	June 19, 2025	1 Year
ENE-257	WIRELESS CONNECTIVITY TESTER	ROHDE & SCHWARZ	CMW 270	1201.0002 K75-102608-Pb	June 19, 2025	1 Year
ENE-172	RF Control Unit	Tonscend	JS0806-2(V.6 E)	21L8060521	March 02, 2026	1 Year
ENE-092	DC Power Supply	KEFUNA	KDP3603	2004D3062946	June 19, 2025	1 Year
ENE-093	Attenuator 10dB	talent Microwave	TA10A2-S-18	N/A	June 19, 2025	1 Year
ENE-094	Attenuator 20dB	talent Microwave	TA20A2-S-18	N/A	June 19, 2025	1 Year

NOTE:

This product only adds a LAN port and a charging port, it has been verified that retesting the conducted emission test item, so only update below conducted emission information.

For Conducted Emission Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESCI	101384	2025/5/9	1Year
AMN	Rohde & Schwarz	ENV216	101161	2025/5/9	1Year

4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

WIFI 5G with 5150-5250MHz

Frequency and Channels list for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220		
40	5200	48	5240		

Frequency and Channels list for 802.11n(40MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190				
46	5230				

Test Frequency and Channels for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	48	5240

Test Frequency and channels for 802.11n(40MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	N/A	N/A	46	5230

WIFI 5G with 5250-5350MHz

Frequency and Channels list for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300		
56	5280	64	5320		

Frequency and Channels list for 802.11n(40MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270				
62	5310				

Test Frequency and Channels for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	56	5280	64	5320

Test Frequency and channels for 802.11n(40MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	N/A	N/A	62	5310

WIFI 5G with 5470-5725MHz

Frequency and Channels list for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	132	5660
104	5520	120	5600	136	5680
108	5540	124	5620	140	5700
112	5560	128	5640		

Frequency and Channels list for 802.11n(40MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	118	5590	134	5670
110	5550	126	5630		

Test Frequency and Channels for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	140	5700

Test Frequency and Channels for 802.11n(40MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510			134	5670

WIFI 5G with 5725MHz-5850MHz

Frequency and Channels list for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825
153	5765	161	5805		

Frequency and Channels list for 802.11n(40MHz):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755				
159	5795				

Test Frequency and Channels for 802.11a/n(20MHz)/ac(20MHz)/ax(20MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825

Test Frequency and channels for 802.11n(40MHz):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755			159	5795

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204

Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China

5.2 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."

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

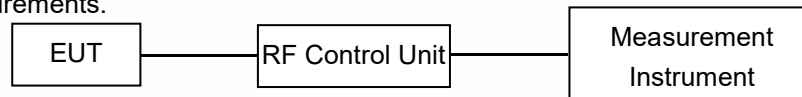
Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$ MHz
Maximum Peak Output Power Test	± 1.0 dB
Conducted Emissions Test	± 2.0 dB
Radiated Emission Test	± 2.0 dB
Power Density	± 2.0 dB
Occupied Bandwidth Test	± 1.0 dB
Band Edge Test	± 3 dB
All emission, radiated	± 3 dB
Antenna Port Emission	± 3 dB
Temperature	± 0.5 °C
Humidity	$\pm 3\%$

Measurement Uncertainty for a level of Confidence of 95%.

7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

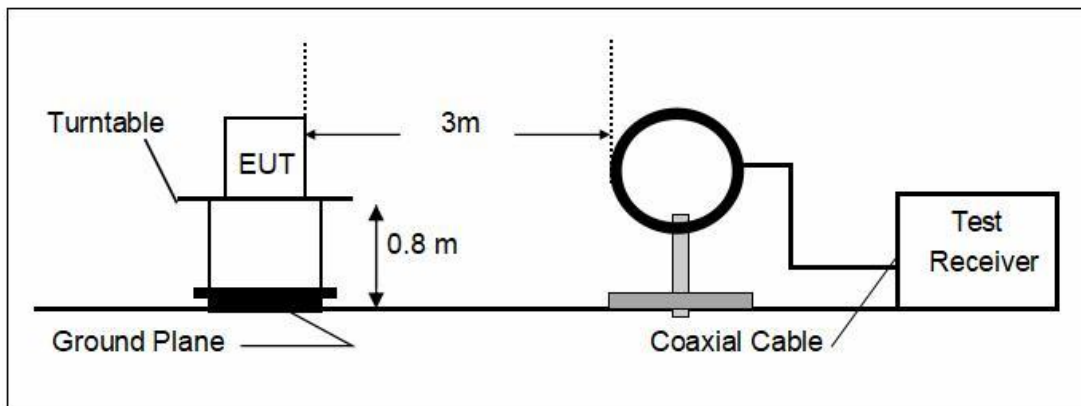
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

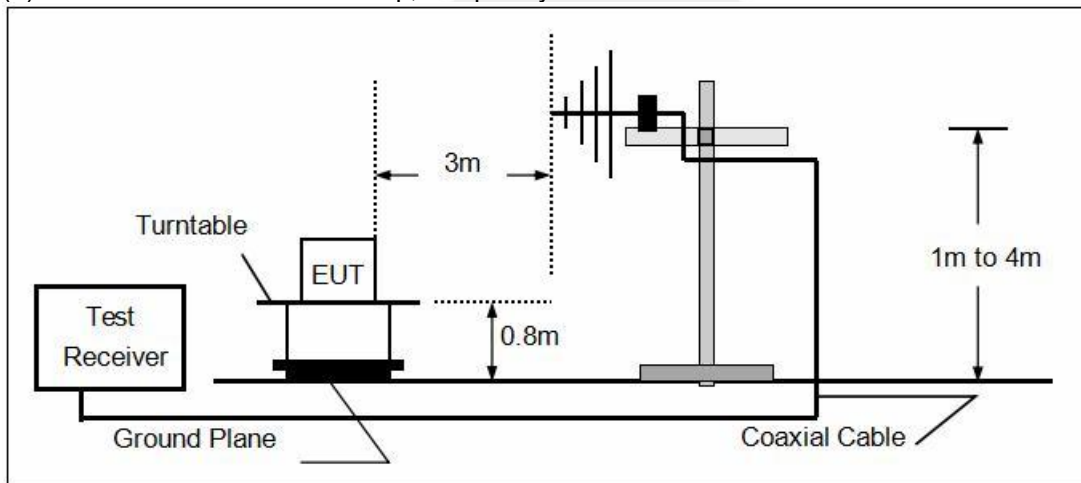
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

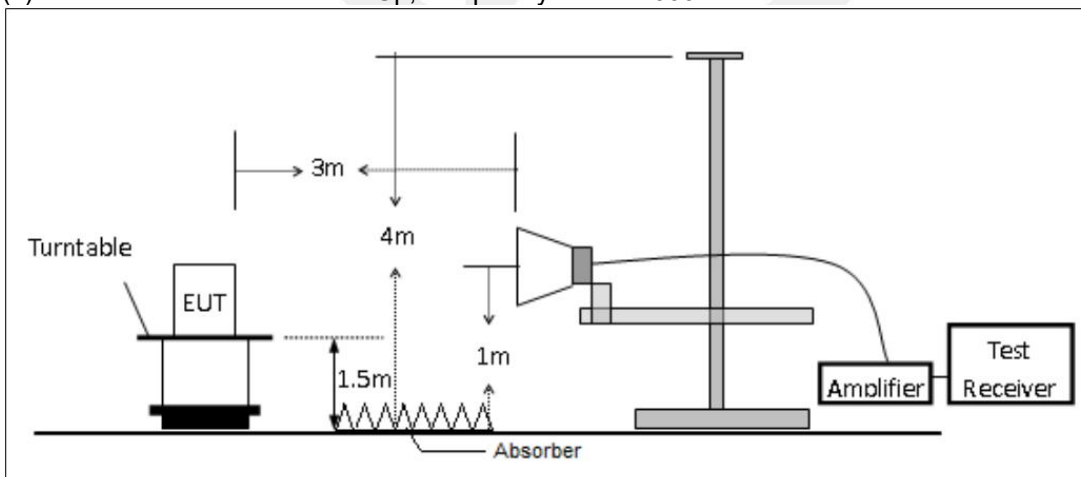
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

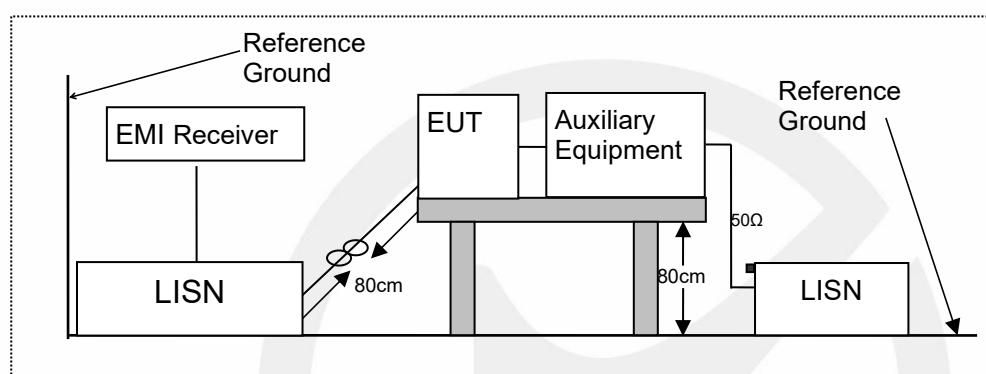


7.3 CONDUCTED EMISSION TEST SETUP

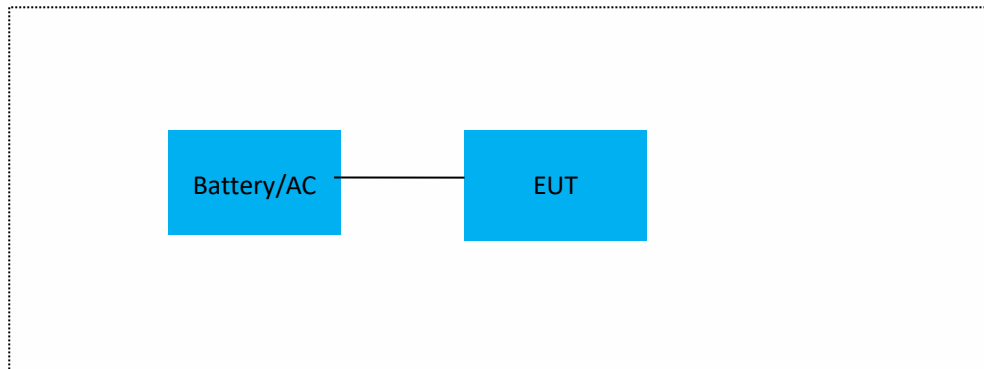
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

Adapter : Model: SMI45C
Input: 100-240V~50/60Hz, 1.5A
Output: 5V, 3A, 15W; 9V, 3A, 27W; 12V, 3A, 36W; 15V, 3A, 45W; 20V, 2.25A, 45W
FCC

Notes:

- 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.

8 TEST REQUIREMENTS

8.1 BANDWIDTH MEASUREMENT

8.1.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to FCC Part 15.407(e) for UNII Band III
According to 789033 D02 Section II(C)
According to 789033 D02 Section II(D)

8.1.2 Conformance Limit

(1) For the band 5.15-5.25 GHz.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi 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 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi 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 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi 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 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 6.1 radio frequency test setup.

8.1.4 Test Procedure

According to 789033 D02 v02r01 section C&D, the following is the measurement procedure.

1. Emission Bandwidth (EBW)

a) Set RBW = approximately 1% of the emission bandwidth.

b) Set the VBW > RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Measure the maximum width of the emission that is 26 dB 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%.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

D. 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to 789033 D02 v01r02 General UNII Test Procedures New Rules v01 define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth:

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 $\geq 3 \times$ 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).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

8.1.5 Test Results

Temperature : 25℃
Humidity : 45 %

ATM Pressure: 1011 mbar
Test Engineer: GJ

Emission Bandwidth (26dB)

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.560	5169.800	5190.360	---	---
11A	Ant1	5200	20.400	5190.000	5210.400	---	---
11A	Ant1	5240	20.960	5229.800	5250.760	---	---
11A	Ant1	5260	20.760	5249.760	5270.520	---	---
11A	Ant1	5280	21.000	5269.600	5290.600	---	---
11A	Ant1	5320	20.360	5310.000	5330.360	---	---
11A	Ant1	5500	25.680	5489.520	5515.200	---	---
11A	Ant1	5580	21.600	5569.720	5591.320	---	---
11A	Ant1	5700	22.440	5689.720	5712.160	---	---
11A	Ant1	5745	20.560	5734.800	5755.360	---	---
11A	Ant1	5785	20.680	5774.720	5795.400	---	---
11A	Ant1	5825	20.160	5814.880	5835.040	---	---
11N20SISO	Ant1	5180	21.360	5169.560	5190.920	---	---
11N20SISO	Ant1	5200	21.960	5189.480	5211.440	---	---
11N20SISO	Ant1	5240	21.080	5229.560	5250.640	---	---
11N20SISO	Ant1	5260	20.680	5249.800	5270.480	---	---
11N20SISO	Ant1	5280	20.640	5269.720	5290.360	---	---
11N20SISO	Ant1	5320	21.680	5308.720	5330.400	---	---
11N20SISO	Ant1	5500	24.640	5488.840	5513.480	---	---
11N20SISO	Ant1	5580	23.480	5569.040	5592.520	---	---
11N20SISO	Ant1	5700	21.840	5689.160	5711.000	---	---
11N20SISO	Ant1	5745	21.200	5734.520	5755.720	---	---
11N20SISO	Ant1	5785	22.160	5773.920	5796.080	---	---
11N20SISO	Ant1	5825	21.640	5814.120	5835.760	---	---
11N40SISO	Ant1	5190	39.600	5170.160	5209.760	---	---
11N40SISO	Ant1	5230	41.280	5209.840	5251.120	---	---
11N40SISO	Ant1	5270	40.640	5249.760	5290.400	---	---
11N40SISO	Ant1	5310	39.680	5290.080	5329.760	---	---
11N40SISO	Ant1	5510	40.240	5489.920	5530.160	---	---
11N40SISO	Ant1	5550	41.520	5530.080	5571.600	---	---
11N40SISO	Ant1	5670	39.760	5649.920	5689.680	---	---
11N40SISO	Ant1	5755	42.320	5734.920	5777.240	---	---
11N40SISO	Ant1	5795	40.240	5774.840	5815.080	---	---
11AC20SISO	Ant1	5180	21.240	5169.520	5190.760	---	---
11AC20SISO	Ant1	5200	21.520	5189.320	5210.840	---	---
11AC20SISO	Ant1	5240	20.760	5229.880	5250.640	---	---
11AC20SISO	Ant1	5260	21.040	5249.640	5270.680	---	---
11AC20SISO	Ant1	5280	21.240	5269.400	5290.640	---	---
11AC20SISO	Ant1	5320	21.640	5309.200	5330.840	---	---
11AC20SISO	Ant1	5500	21.360	5489.680	5511.040	---	---
11AC20SISO	Ant1	5580	24.160	5569.240	5593.400	---	---
11AC20SISO	Ant1	5700	21.640	5689.360	5711.000	---	---
11AC20SISO	Ant1	5745	21.680	5734.200	5755.880	---	---
11AC20SISO	Ant1	5785	21.760	5773.880	5795.640	---	---
11AC20SISO	Ant1	5825	21.520	5814.320	5835.840	---	---
11AX20SISO	Ant1	5180	20.800	5169.480	5190.280	---	---
11AX20SISO	Ant1	5200	21.200	5189.480	5210.680	---	---
11AX20SISO	Ant1	5240	21.240	5229.400	5250.640	---	---
11AX20SISO	Ant1	5260	21.520	5249.480	5271.000	---	---
11AX20SISO	Ant1	5280	21.840	5269.360	5291.200	---	---
11AX20SISO	Ant1	5320	21.120	5309.480	5330.600	---	---
11AX20SISO	Ant1	5500	23.560	5489.280	5512.840	---	---

11AX20SISO	Ant1	5580	21.840	5569.520	5591.360	---	---
11AX20SISO	Ant1	5700	21.320	5689.400	5710.720	---	---
11AX20SISO	Ant1	5745	21.000	5734.360	5755.360	---	---
11AX20SISO	Ant1	5785	20.720	5774.760	5795.480	---	---
11AX20SISO	Ant1	5825	20.760	5814.760	5835.520	---	---

Emission Bandwidth (6dB)

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	14.440	5737.440	5751.880	0.5	PASS
11A	Ant1	5785	16.320	5776.800	5793.120	0.5	PASS
11A	Ant1	5825	15.360	5817.200	5832.560	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
11N20SISO	Ant1	5785	17.560	5776.200	5793.760	0.5	PASS
11N20SISO	Ant1	5825	14.200	5817.440	5831.640	0.5	PASS
11N40SISO	Ant1	5755	32.560	5739.960	5772.520	0.5	PASS
11N40SISO	Ant1	5795	31.520	5778.680	5810.200	0.5	PASS
11AC20SISO	Ant1	5745	17.400	5736.200	5753.600	0.5	PASS
11AC20SISO	Ant1	5785	13.160	5778.680	5791.840	0.5	PASS
11AC20SISO	Ant1	5825	17.560	5816.200	5833.760	0.5	PASS
11AX20SISO	Ant1	5745	18.240	5735.920	5754.160	0.5	PASS
11AX20SISO	Ant1	5785	18.640	5775.560	5794.200	0.5	PASS
11AX20SISO	Ant1	5825	15.760	5817.160	5832.920	0.5	PASS

Occupied channel bandwidth (99%)

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.945	5171.5579	5188.5029	---	---
11A	Ant1	5200	16.899	5191.5606	5208.4596	---	---
11A	Ant1	5240	16.943	5231.5351	5248.4781	---	---
11A	Ant1	5260	16.887	5251.5720	5268.4590	---	---
11A	Ant1	5280	16.962	5271.5321	5288.4941	---	---
11A	Ant1	5320	16.954	5311.5440	5328.4980	---	---
11A	Ant1	5500	17.135	5491.5364	5508.6714	---	---
11A	Ant1	5580	17.128	5571.4426	5588.5706	---	---
11A	Ant1	5700	17.037	5691.5365	5708.5735	---	---
11A	Ant1	5745	16.938	5736.5580	5753.4960	---	---
11A	Ant1	5785	16.909	5776.5527	5793.4617	---	---
11A	Ant1	5825	16.918	5816.5879	5833.5059	---	---
11N20SISO	Ant1	5180	17.906	5171.0610	5188.9670	---	---
11N20SISO	Ant1	5200	17.960	5191.0525	5209.0125	---	---
11N20SISO	Ant1	5240	17.945	5231.0444	5248.9894	---	---
11N20SISO	Ant1	5260	17.940	5251.0315	5268.9715	---	---
11N20SISO	Ant1	5280	17.987	5271.0185	5289.0055	---	---
11N20SISO	Ant1	5320	17.947	5311.0792	5329.0262	---	---
11N20SISO	Ant1	5500	18.060	5491.0207	5509.0807	---	---
11N20SISO	Ant1	5580	18.067	5571.0222	5589.0892	---	---
11N20SISO	Ant1	5700	18.011	5691.0329	5709.0439	---	---
11N20SISO	Ant1	5745	17.982	5736.0363	5754.0183	---	---
11N20SISO	Ant1	5785	17.954	5776.0292	5793.9832	---	---
11N20SISO	Ant1	5825	17.986	5816.0237	5834.0097	---	---
11N40SISO	Ant1	5190	36.220	5171.8268	5208.0468	---	---
11N40SISO	Ant1	5230	36.352	5211.8254	5248.1774	---	---
11N40SISO	Ant1	5270	36.315	5251.7873	5288.1023	---	---
11N40SISO	Ant1	5310	36.218	5291.8808	5328.0988	---	---
11N40SISO	Ant1	5510	36.212	5491.9409	5528.1529	---	---
11N40SISO	Ant1	5550	36.380	5531.8480	5568.2280	---	---
11N40SISO	Ant1	5670	36.341	5651.7793	5688.1203	---	---
11N40SISO	Ant1	5755	36.356	5736.8416	5773.1976	---	---
11N40SISO	Ant1	5795	36.382	5776.7969	5813.1789	---	---
11AC20SISO	Ant1	5180	17.924	5171.0309	5188.9549	---	---
11AC20SISO	Ant1	5200	17.972	5190.9927	5208.9647	---	---
11AC20SISO	Ant1	5240	17.902	5231.0531	5248.9551	---	---
11AC20SISO	Ant1	5260	17.904	5251.0241	5268.9281	---	---
11AC20SISO	Ant1	5280	17.943	5270.9963	5288.9393	---	---
11AC20SISO	Ant1	5320	17.921	5311.0245	5328.9455	---	---
11AC20SISO	Ant1	5500	18.064	5491.0273	5509.0913	---	---
11AC20SISO	Ant1	5580	18.091	5570.9691	5589.0601	---	---
11AC20SISO	Ant1	5700	17.976	5691.0283	5709.0043	---	---
11AC20SISO	Ant1	5745	17.958	5735.9990	5753.9570	---	---
11AC20SISO	Ant1	5785	17.921	5776.0167	5793.9377	---	---
11AC20SISO	Ant1	5825	17.950	5816.0021	5833.9521	---	---
11AX20SISO	Ant1	5180	18.967	5170.4871	5189.4541	---	---
11AX20SISO	Ant1	5200	18.936	5190.5037	5209.4397	---	---
11AX20SISO	Ant1	5240	18.961	5230.5261	5249.4871	---	---
11AX20SISO	Ant1	5260	18.906	5250.5347	5269.4407	---	---
11AX20SISO	Ant1	5280	18.949	5270.4986	5289.4476	---	---
11AX20SISO	Ant1	5320	18.961	5310.5164	5329.4774	---	---
11AX20SISO	Ant1	5500	18.965	5490.5216	5509.4866	---	---
11AX20SISO	Ant1	5580	18.968	5570.5212	5589.4892	---	---
11AX20SISO	Ant1	5700	18.958	5690.5114	5709.4694	---	---
11AX20SISO	Ant1	5745	18.982	5735.5033	5754.4853	---	---
11AX20SISO	Ant1	5785	18.988	5775.4835	5794.4715	---	---
11AX20SISO	Ant1	5825	18.930	5815.5108	5834.4408	---	---

Emission Bandwidth (26dB)

