

FCC Test Report

Test report On Behalf of SHENZHEN BOVISION TECHNOLOGY CO.,LTD.

For

Indoor Security Camera
Model No.: BF-MY06, BF-MY01, BF-MY02, BF-MY03, BF-MY04,
BF-MY05, BF-MY07, BF-MY08, BF-MY09, Y1, BF-BK01, BF-BK02,
BF-BK03, BF-BK04, BF-BK05, BF-BK06, BF-BK07, BF-BK08,
BF-BK09, BF-BK10

FCC ID: 2AVKP-BF-MY06

Prepared For: SHENZHEN BOVISION TECHNOLOGY CO.,LTD.

2nd floor, building G, no. 8, shangxue industrial park, bantian street, longgang

district, shenzhen, China

Prepared By: Shenzhen HUAK Testing Technology Co., Ltd.

1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping,

Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Date of Test: Jul. 09, 2024 ~ Jul. 18, 2024

Date of Report: Jul. 18, 2024

Report Number: HK2407093742-2E

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Test Result Certification

Applicant's name	SHENZHEN BOVISION TECHNOLOGY	CO.,LTD.
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street, longgang district, shenzhen, China

Manufacturer's Name SHENZHEN BOVISION TECHNOLOGY CO.,LTD.

2nd floor, building G, no. 8, shangxue industrial park, bantian

street, longgang district, shenzhen, China

Product description

Trade Mark: N/A

Product name.....: Indoor Security Camera

BF-MY06, BF-MY01, BF-MY02, BF-MY03, BF-MY04, BF-MY05,

Report No.: HK2407093742-2E

Model and/or type reference : BF-MY07, BF-MY08, BF-MY09, Y1, BF-BK01, BF-BK02,

BF-BK03, BF-BK04, BF-BK05, BF-BK06, BF-BK07, BF-BK08,

BF-BK09, BF-BK10

Standards FCC Rules and Regulations Part 15 Subpart C Section 15.247

ANSI C63.10: 2013

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Date of Test

Date (s) of performance of tests Jul. 09, 2024 ~ Jul. 18, 2024

Date of Issue...... Jul. 18, 2024

Test Result..... Pass

Testing Engineer :

(Len Liao)

Technical Manager :

(Sliver Wan)

Authorized Signatory: Jason William

(Jason Zhou)

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** Modified History **

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	Jul. 18, 2024	Jason Zhou
TING	TING	-7019	3

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1. Test Result Summary

1.1. Test Procedures and Results

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247(b)(4)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247(b)(3)	PASS
6dB Emission Bandwidth	§15.247(a)(2)	PASS
Power Spectral Density	§15.247(e)	PASS
Band Edge	§15.247(d)	PASS
Spurious Emission	§15.205/§15.209	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.

1.2. Information of the Test Laboratory

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

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01. FCC Designation Number is CN1229. Canada IC CAB identifier is CN0045. CNAS Registration Number is L9589.

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1.3. Measurement Uncertainty

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 %

No.	ltem	MU
1	Conducted Emission	±2.71dB
2	RF power, conducted	±0.37dB
3 HUAKTE	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.90dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%

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2. EUT Description

2.1. General Description of EUT

Indoor Security Camera
(60)
BF-MY06
BF-MY01, BF-MY02, BF-MY03, BF-MY04, BF-MY05, BF-MY07, BF-MY08, BF-MY09, Y1, BF-BK01, BF-BK02, BF-BK03, BF-BK04, BF-BK05, BF-BK06, BF-BK07, BF-BK08, BF-BK09, BF-BK10
All model's the function, software and electric circuit are the same, only with a product model named different. Test sample model: BF-MY06.
2AVKP-BF-MY06
Internal Antenna
3.92dBi
802.11b/g/n 20:2412~2462 MHz
802.11b/g/n20: 11CH
DSSS, OFDM
DC5V From Type-C
DC5V From Type-C

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.

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Carrier Frequency of Channels

	Channel List For 802.11b/802.11g/802.11n (HT20)						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452	-STING	

Note:

In section 15.31(m), 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 helow:

2.2. Operation of EUT During Testing

Operating Mode

The mode is used: Transmitting mode for 802.11b/802.11g/802.11n (HT20)

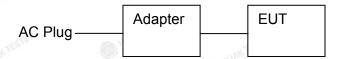
Low Channel: 2412MHz Middle Channel: 2437MHz High Channel: 2462MHz

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2.3. Description of Test Setup

Operation of EUT during conducted testing and radiation testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

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2.4. Description of Support Units

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

Item	Equipment	Trade Mark	Model/Type No.	Specification	Remark
1	Indoor Security Camera	N/A	BF-MY06	N/A	EUT
2	USB Cable	N/A	N/A	Length: 3m	Accessory
3 'S	Adapter	N/A	BS05A-0501000US	Input: AC100-240V, 50/60Hz, 0.25A Max Output: DC5V/1000mA	Peripheral
No.	D _{Lon}		a)G	O _m O	aniG
HUAKTEST	HUAKTEST	THE HUAK	ES!	THAN TEST	MUAK TEST
					20

Note:

- 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, 6dB Emission 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.

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3. Genera Information

3.1. Test Environment and Mode

perating Environment:			
Temperature:	25.0 °C	HUAKTESII	HUAK
Humidity:	56 % RH	(a)	0
Atmospheric Pressure:	1010 mbar	AX TESTING	
est Mode:		. 500	
Engineering mode:	Keep the EUT by select chann		

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.

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We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(H20)	6.5Mbps

Final Test Mode:

Keep the EUT in continuous transmitting with modulation

- 1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.
- 2.According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20).

3. Mode Test Duty Cycle

lest Duty Cycle	The Tea	(63)
Mode	Duty Cycle	Duty Cycle Factor (dB)
802.11b	0.996	-0.02
802.11g	0.972	-0.12
802.11n(H20)	0.970	-0.13

Test plots as follows:



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802.11g

| Section 1 | Section 2 | Section

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4. Test Results and Measurement Data

4.1. Conducted Emission

Test Specification

-TING	- TOPO	TING	TURE	ALT.		
Test Requirement:	FCC Part15 C Section	on 15.207	M. TES	HUAKTER		
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz	MINAKTE	, nyc T	ESTING		
Receiver setup:	RBW=9 kHz, VBW=	30 kHz, Sweep	time=auto			
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Limit (c Quasi-peak 66 to 56* 56 60	Average 56 to 46* 46 50	JAK TESTING		
Test Setup:	Test table/Insulation p	Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN Line Impedence Stabilization Network				
Test Mode:	transmitting with mo	dulation	AK TESTING	MAK TESTIN		
Test Procedure:	 The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 					
Test Result:	PASS	.x TE	TING	. G		
25"	2500	Will At TOY		CINC		

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Test Instruments

Conducted Emission Shielding Room Test Site (843)						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Receiver	R&S	ESR-7	HKE-005	Feb. 20, 2024	Feb. 19, 2025	
LISN	R&S	ENV216	HKE-002	Feb. 20, 2024	Feb. 19, 2025	
Coax cable (9KHz-30MHz)	Times	381806-002	N/A	Feb. 20, 2024	Feb. 19, 2025	
10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	Feb. 20, 2024	Feb. 19, 2025	
Conducted test software	Tonscend	TS+ Rev 2.5.0.0	HKE-081	N/A	N/A	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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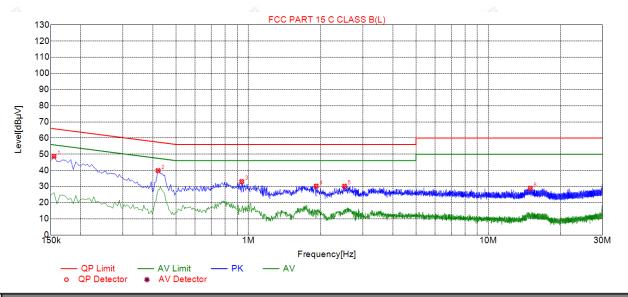
4.2. Test Result

Remark: All the test modes completed for test. only the worst result

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Of was reported as below: Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)

Test Specification: Line



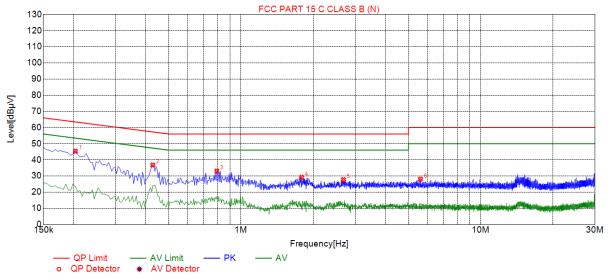
3	Suspected List									
1	NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре	
	1	0.1545	48.63	19.83	65.75	17.12	28.80	PK	L	
	2	0.4200	39.84	19.84	57.45	17.61	20.00	PK	L	
	3	0.9375	33.07	19.87	56.00	22.93	13.20	PK	L	
	4	1.9185	30.25	19.96	56.00	25.75	10.29	PK	L	
	5	2.5170	30.17	20.02	56.00	25.83	10.15	PK	L	
	6	14.9775	28.92	19.81	60.00	31.08	9.11	PK	L	

Remark: Margin = Limit - Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor

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Test Specification: Neutral



Sus	Suspected List									
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре		
1	0.2040	45.39	19.73	63.45	18.06	25.66	PK	N		
2	0.4290	36.78	19.74	57.27	20.49	17.04	PK	N		
3	0.7935	33.05	19.74	56.00	22.95	13.31	PK	N		
4	1.7925	29.18	19.83	56.00	26.82	9.35	PK	N		
5	2.6745	27.74	19.91	56.00	28.26	7.83	PK	N		
6	5.6085	28.04	20.00	60.00	31.96	8.04	PK	N		

Remark: Margin = Limit - Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor

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4.3. Maximum Conducted Output Power

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02
Limit:	30dBm
Test Setup:	RF automatic control unit EUT HUMETER THE
Test Mode:	Transmitting mode with modulation
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB 558074 D01 15.247 Meas Guidance v05r02. The RF output of EUT was connected to the RF automatic control unit by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Measure the Peak output power and record the results in the test report.
Test Result:	PASS

Test Instruments

RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025		
Power meter	Agilent	E4419B	HKE-085	Feb. 20, 2024	Feb. 19, 2025		
Power Sensor	Agilent	E9300A	HKE-086	Feb. 20, 2024	Feb. 19, 2025		
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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Test Data

Mode	Test Channel	Frequency	Maximum Peak Conducted Output Power	LIMIT
		(MHz)	(dBm)	dBm
802.11b	CH01	2412	11.21	30
802.11b	CH06	2437	11.39	30
802.11b	CH11	2462	12.60	30
802.11g	CH01	2412	11.81	30
802.11g	CH06	2437	12.45	30
802.11g	CH11	2462	11.40	30
802.11n(HT20)	CH01	2412	12.55	30
802.11n(HT20)	CH06	2437	12.26	30
802.11n(HT20)	CH11	2462	12.46	30

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

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4.4. Emission Bandwidth

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)				
Test Method:	KDB 558074 D01 15.247 I	Meas Guidance v05r02			
Limit:	>500kHz	WESTING NG			
Test Setup:	Spectrum Analyzer	EUT NE HUARTESTING			
Test Mode:	Transmitting mode with mo	odulation			
Test Procedure:	15.247 Meas Guidance 2. Set to the maximum pove EUT transmit continuou 3. Make the measurement resolution bandwidth (F Video bandwidth (VBW)	wer setting and enable the usly. with the spectrum analyzer's RBW) = 100 kHz. Set the V) = 300 kHz. In order to make nent. The 6dB bandwidth must Iz.			
Test Result:	PASS	O Hayer			

Test Instruments

The House I	HO.	a HO.	ALL HO.	ALC:	ALC: HO		
RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025		
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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Test data

Took abannal	6dB E	6dB Emission Bandwidth (MHz)				
Test channel	802.11b	802.11g	802.11n(H20)			
Lowest	9.120	16.120	16.760			
Middle	9.080	15.920	16.080			
Highest	8.560	15.960	16.280			
Limit:	>500kHz					
Test Result:	JAK TESTING	PASS	LAN TESTING WHAP			

Test plots as follows:

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802.11b Modulation

Lowest channel



Middle channel



Highest channel



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802.11g Modulation

Lowest channel



Middle channel



Highest channel



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TEICATION.



802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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4.5. Power Spectral Density

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)					
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02					
Limit:	The average power spectral density shall not be greated than 8dBm in any 3kHz band at any time interval continuous transmission.					
Test Setup:	Spectrum Analyzer EUI					
Test Mode:	Transmitting mode with modulation					
Test Procedure:	 The testing follows Measurement procedure 10.2 method PKPSD of FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. Set the span to at least 1.5 times the OBW. Detector = Peak, Sweep time = auto couple. Employ trace averaging (Peak) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 					
Test Result:	PASS MAKETER OF THE PASS					

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Test Instruments

RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025	
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 20, 2024	Feb. 19, 2025	
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025	
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	N/A	N/A	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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Test data

EUT Set Mode	Channel	Test Result (dBm/30kHz)	Result (dBm/3kHz)
802.11b	Lowest	-1.93	-11.93
	Middle	-1.98	-11.98
	Highest	-1.68	-11.68
802.11g	Lowest	-3.50	-13.50
	Middle	-2.63	-12.63
	Highest	-2.46	-12.46
802.11n(H20)	Lowest	-1.95	-11.95
	Middle	-2.09	-12.09
	Highest	-2.53	-12.53
PSD test result (dB	m/3kHz)= PSD	test result (dBm/30k	Hz)-10
Limit: 8dBm/3kHz			
Test Result:	HUAK TESTI	PASS	HUAKTESTI
.130	100000		m //V

Test plots as follows:

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802.11b Modulation

Lowest channel



Middle channel



Highest channel



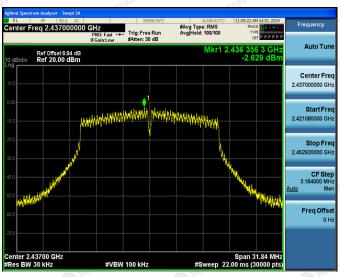
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802.11g Modulation

Lowest channel



Middle channel



Highest channel



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802.11n (HT20) Modulation

Lowest channel



Middle channel



Highest channel



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4.6. Conducted Band Edge and Spurious Emission Measurement

Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	KDB 558074 D01 15.247 Meas Guidance v05r02				
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).				
Test Setup:	Spectrum Analyzer EUT				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	 Transmitting mode with modulation The testing follows FCC KDB Publication 558074 D01 15.247 Meas Guidance v05r02. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 				
Test Result:	PASS O HUNET				

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Test Instruments

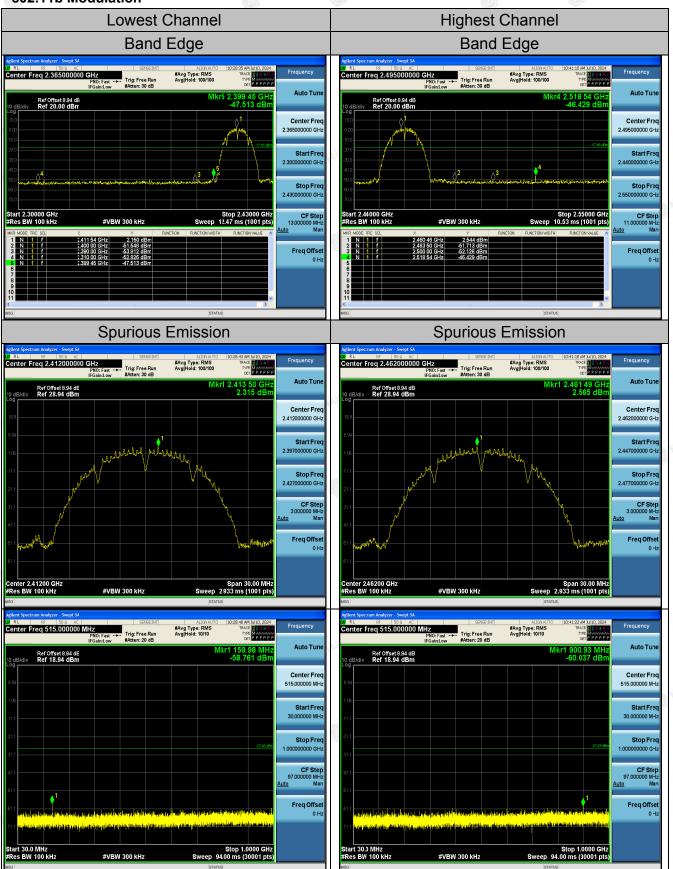
RF Test Room							
Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due		
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025		
High pass filter unit	Tonscend	JS0806-F	HKE-055	Feb. 20, 2024	Feb. 19, 2025		
RF Cable (9KHz-26.5GHz)	Tonscend	170660	N/A	Feb. 20, 2024	Feb. 19, 2025		
RF automatic control unit	Tonscend	JS0806-2	HKE-060	Feb. 20, 2024	Feb. 19, 2025		
RF test software	Tonscend	JS1120-B Version 2.6	HKE-083	N/A	N/A		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

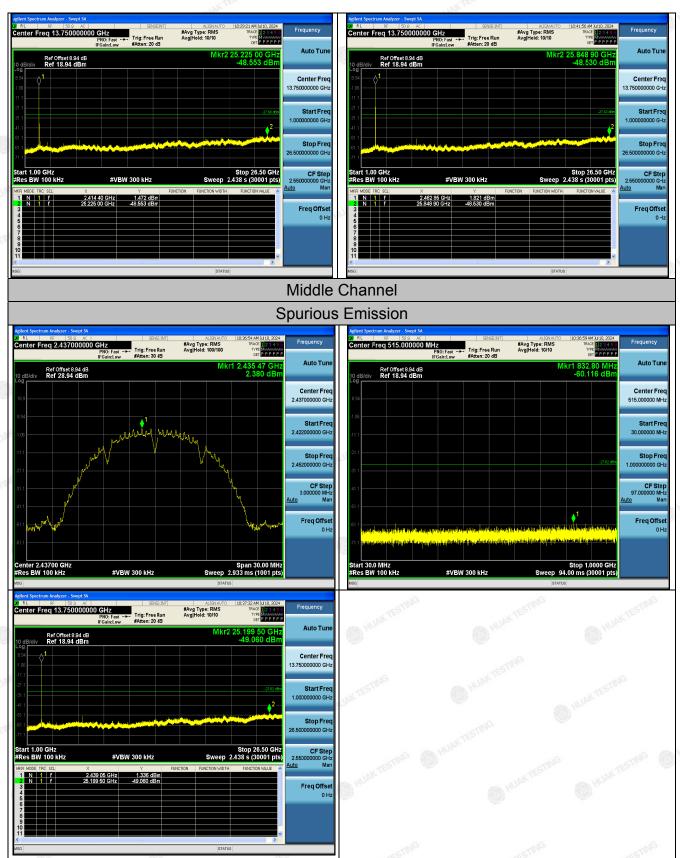
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Test Data

802.11b Modulation

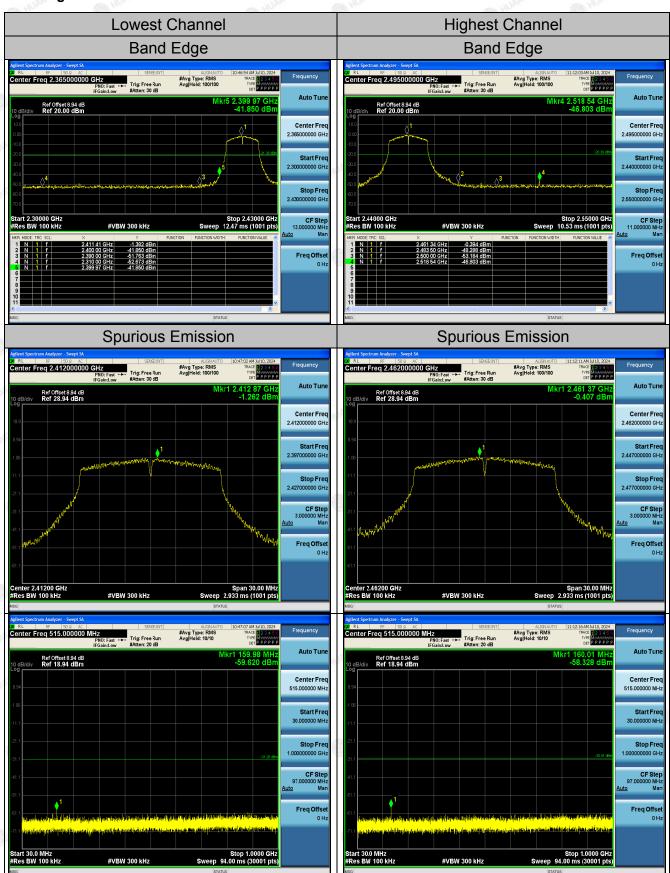


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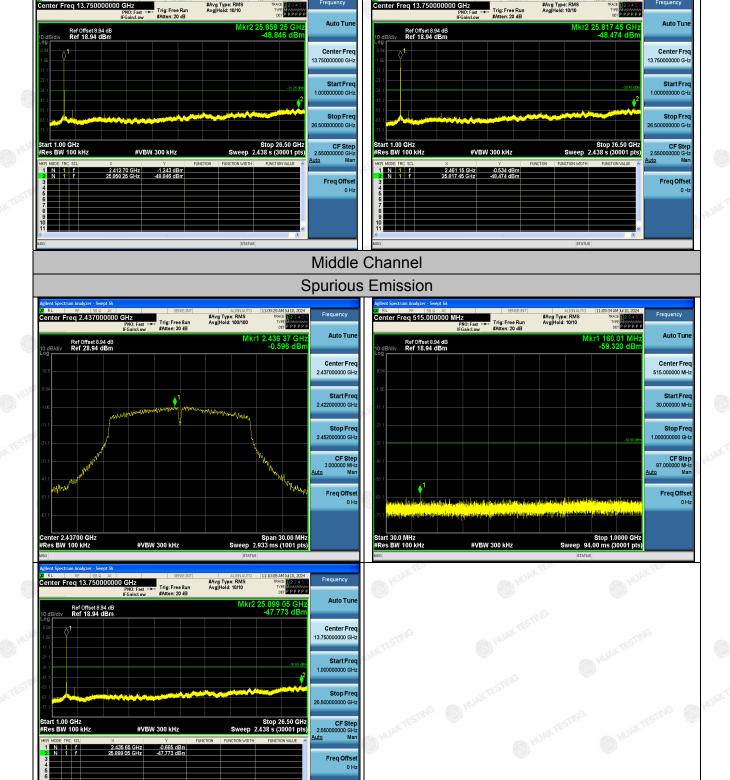


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802.11g Modulation

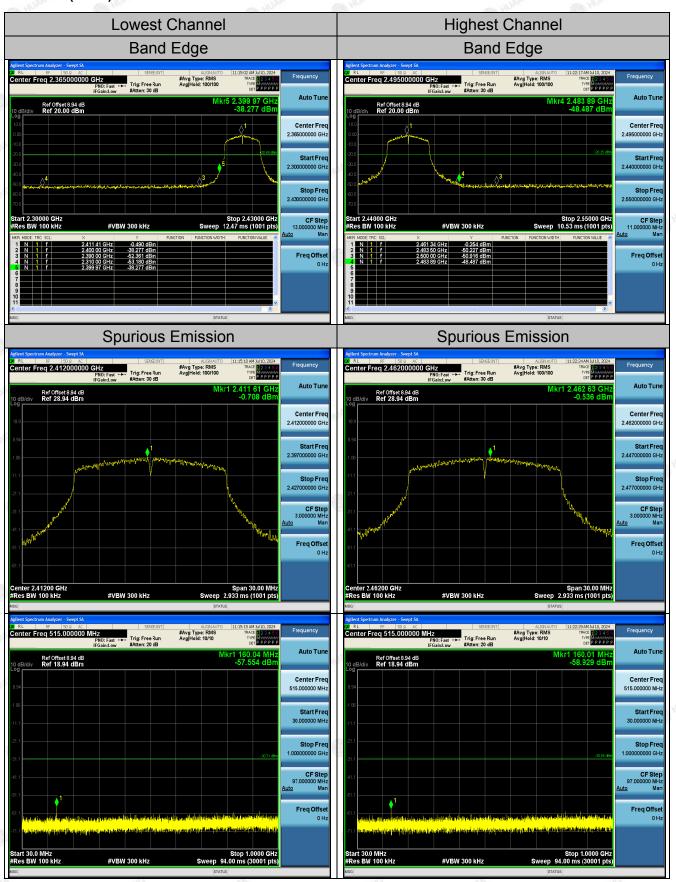


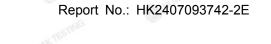
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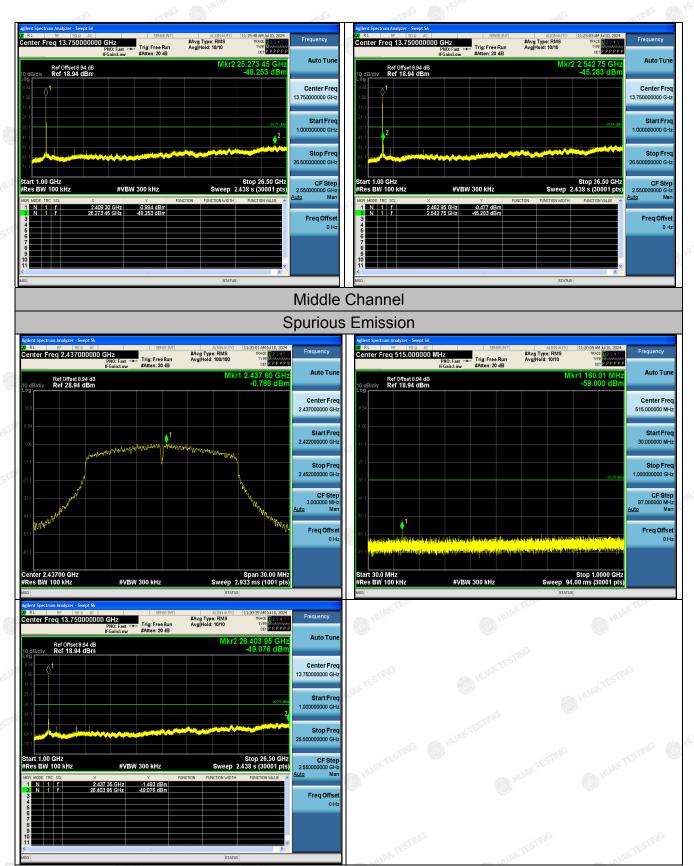


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802.11n (HT20) Modulation







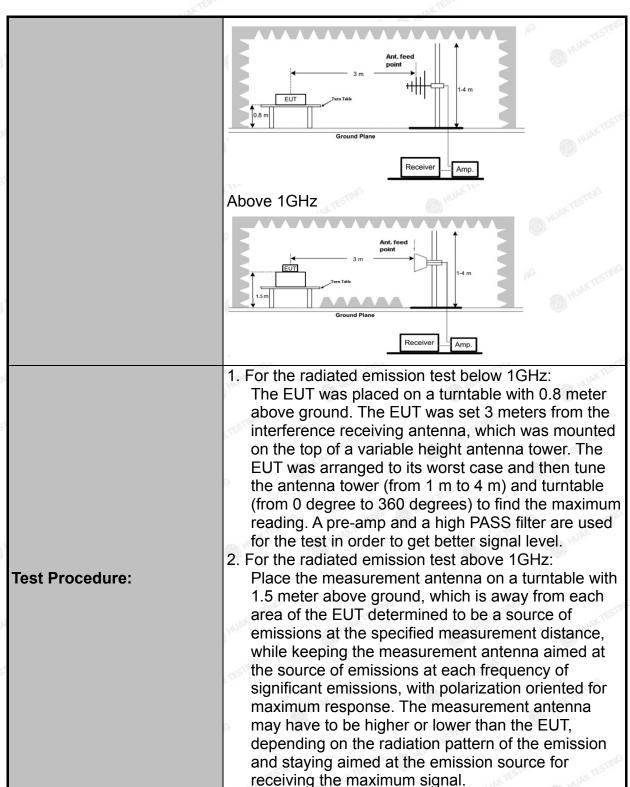


4.7. Radiated Spurious Emission Measurement

Test Specification

Test Requirement:	FCC Part15	C Section	n 15	.209	TEST	JG.	TESTIN
Test Method:	ANSI C63.10): 2013		(HUAR		(1) HUAN
Frequency Range:	9 kHz to 25 (GHz			- STING		
Measurement Distance:	3 m	TESTING		M HU	DKIE		TESTING
Antenna Polarization:	Horizontal &	Vertical			.0	0	HUPE
Operation mode:	Transmitting	mode w	ith m	odulat	ion		
Danair on Catron	Frequency 9kHz- 150kHz 150kHz-	Detecto Quasi-pe Quasi-pe	ak 2	RBW 200Hz 9kHz	VBW 1kHz 30kHz		Remark si-peak Value si-peak Value
Receiver Setup:	30MHz 30MHz-1GHz Above 1GHz	Quasi-pe Peak Peak	TING	20KHz 1MHz 1MHz	300KHz 3MHz 10Hz	P	si-peak Value Peak Value erage Value
	Frequen 0.009-0.4	(m	Field Strength (microvolts/meter) 2400/F(KHz)		Measurement Distance (meters)		
	0.490-1.705 1.705-30			24000/F(KHz) 30		30 30	
Limit:	30-88 88-216 216-96 Above 9	100 150 200 500			STING	3 3 3	
	Frequency (Field Strength (microvolts/meter)		Measure Distar (mete	ice	Detector
	Above 1GHz	Z ()	500 5000		3		Average Peak
Test setup:	For radiated	emission 3 r	n —	RX	Antenna		JAKTESTING HUAKTESTING
	30MHz to 10	9Hz	TING	Rec	TESTI	yG	TESTI

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10%	
	The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=120 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. 6.For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent.VBW ≥ 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.
Test results:	PASS

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Test Instruments

lu.	Rad	iated Emission	Test Site (966	3)	, n)pu
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Receiver	R&S	ESR-7	HKE-010	Feb. 20, 2024	Feb. 19, 2025
Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	Feb. 19, 2025
Spectrum analyzer	R&S	FSP40	HKE-025	Feb. 20, 2024	Feb. 19, 2025
High gain antenna	Schwarzbeck	LB-180400KF	HKE-054	Feb. 21, 2024	Feb. 20, 2026
Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Feb. 20, 2024	Feb. 19, 2025
Preamplifier	EMCI	EMC051845S E	HKE-015	Feb. 20, 2024	Feb. 19, 2025
Preamplifier	Agilent	83051A	HKE-016	Feb. 20, 2024	Feb. 19, 2025
Loop antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Feb. 21, 2024	Feb. 20, 2026
Broadband antenna	Schwarzbeck	VULB 9163	HKE-012	Feb. 21, 2024	Feb. 20, 2026
Horn antenna	Schwarzbeck	9120D	HKE-013	Feb. 21, 2024	Feb. 20, 2026
High pass filter unit	Tonscend	JS0806-F	HKE-055	Feb. 20, 2024	Feb. 19, 2025
Antenna Mast	Keleto	CC-A-4M	N/A	N/A	N/A
Position controller	Taiwan MF	MF7802	HKE-011	Feb. 20, 2024	Feb. 19, 2025
Radiated test software	Tonscend	TS+ Rev 2.5.0.0	HKE-082	N/A	N/A
RF cable	Times	9kHz-1GHz	HKE-117	Feb. 20, 2024	Feb. 19, 2025
RF cable	Times	1-40G	HKE-034	Feb. 20, 2024	Feb. 19, 2025
Horn Antenna	Schewarzbeck	BBHA 9170	HKE-017	Feb. 21, 2024	Feb. 20, 2026
RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	J. I. STING	HUANTESTING MILIAM

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

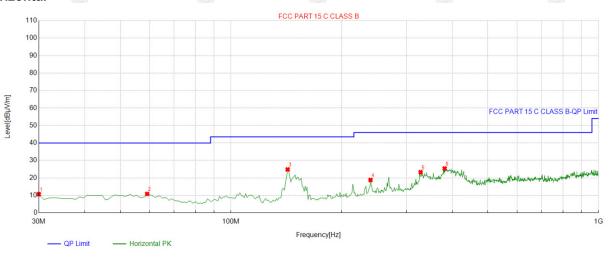


Test Data

All the test modes completed for test. only the worst result of (802.11b at 2412MHz) was reported as below:

Below 1GHz

Horizontal

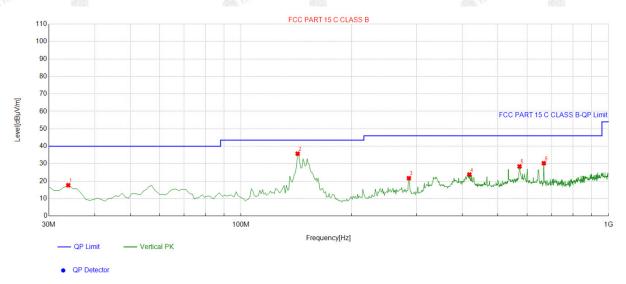


OP Detector

Sus	Suspected List											
	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle				
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity			
1	30	-15.74	26.46	10.72	40.00	29.28	100	1	Horizontal			
2	59.129129	-13.54	24.40	10.86	40.00	29.14	100	186	Horizontal			
3	142.63263	-18.41	43.28	24.87	43.50	18.63	100	27	Horizontal			
4	239.72973	-13.71	32.56	18.85	46.00	27.15	100	190	Horizontal			
5	328.08808	-10.93	34.25	23.32	46.00	22.68	100	360	Horizontal			
6	381.49149	-9.22	34.62	25.40	46.00	20.60	100	190	Horizontal			

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;





	Suspected List										
		Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle		
	NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity	
	1	33.883884	-15.16	32.81	17.65	40.00	22.35	100	201	Vertical	
	2	142.63263	-18.41	54.14	35.73	43.50	7.77	100	359	Vertical	
3	3	286.33633	-12.36	34.03	21.67	46.00	24.33	100	336	Vertical	
	4	418.38838	-9.21	33.00	23.79	46.00	22.21	100	152	Vertical	
	5	572.77277	-5.64	34.06	28.42	46.00	17.58	100	67	Vertical	
	6	666.95695	-4.60	34.87	30.27	46.00	15.73	100	248	Vertical	

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Harmonics and Spurious Emissions

Frequency Range (9kHz-30MHz)

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)
G V	ANTES STING	- WAYTE
WINKTE	Walter Commencer	makite
<u> </u>	C	®
Jak TE		ANTES!"

Note:1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor.

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.



Above 1GHz

Radiated Emission Test

LOW CH1 (802.11b Mode)/2412

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4824	51.79	-3.64	48.15	74	-25.85	peak
4824	40.59	-3.64	36.95	54	-17.05	AVG
7236	48.24	-0.95	47.29	74	-26.71	peak
7236	38.34	-0.95	37.39	54	-16.61	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = I evel-I imit

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4824	53.44	-3.64	49.8	74	-24.2	peak
4824	40.66	-3.64	37.02	54	-16.98	AVG
7236	48.66	-0.95	47.71	74	-26.29	peak
7236	38.34	-0.95	37.39	54	-16.61	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin =

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MID CH6 (802.11b Mode)/2437

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4874	47.72	-3.51	44.21	74	-29.79	peak
4874	39.99	-3.51	36.48	54	-17.52	AVG
7311	48.83	-0.82	48.01	74	-25.99	peak
7311	36.36	-0.82	35.54	54	-18.46	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4874	49.54	-3.51	46.03	74	-27.97	peak
4874	38.07	-3.51	34.56	54	-19.44	AVG
7311	47.79	-0.82	46.97	74	-27.03	peak
7311	37.53	-0.82	36.71	54	-17.29	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



HIGH CH11 (802.11b Mode)/2462

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4924	49.68	-3.43	46.25	74	-27.75	peak
4924	39.95	-3.43	36.52	54	-17.48	AVG
7386	49.89	-0.75	49.14	74	-24.86	peak
7386	38.57	-0.75	37.82	54	-16.18	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
4924	49.89	-3.43	46.46	74	-27.54	peak	
4924	38.21	-3.43	34.78	54	-19.22	AVG	
7386	45.54	-0.75	44.79	74	-29.21	peak	
7386	40.19	-0.75	39.44	54	-14.56	AVG	

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Remark

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54dBuV/m(AV Limit), the Average Detected not need to completed.

LOW CH1 (802.11g Mode)/2412

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4824	48.18	-3.64	44.54	74	-29.46	peak
4824	37.66	-3.64	34.02	54	-19.98	AVG
7236	47.04	-0.95	46.09	74	-27.91	peak
7236	40.47	-0.95	39.52	54 TESTIN	-14.48	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4824	52.35	-3.64	48.71	74	-25.29	peak
4824	39.57	-3.64	35.93	54	-18.07	AVG
7236	48.37	-0.95	47.42	74	-26.58	peak
7236	36.81	-0.95	35.86	54	-18.14	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



MID CH6 (802.11g Mode)/2437

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4874	52.48	-3.51	48.97	74	-25.03	peak
4874	39.92	-3.51	36.41	54	-17.59	AVG
7311	46.57	-0.82	45.75	74	-28.25	peak
7311	40.69	-0.82	39.87	54	-14.13	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4874	50.58	-3.51	47.07	74	-26.93	peak
4874	40.69	-3.51	37.18	54	-16.82	AVG
7311	49.91	-0.82	49.09	74	-24.91	peak
7311	40.34	-0.82	39.52	54	-14.48	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HIGH CH11 (802.11g Mode)/2462

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4924	50.05	-3.43	46.62	74	-27.38	peak
4924	40.67	-3.43	37.24	54	-16.76	AVG
7386	48.79	-0.75	48.04	74 MA	-25.96	peak
7386	40.57	-0.75	39.82	54	-14.18	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
4924	52.67	-3.43	49.24	74	-24.76	peak
4924	40.83	-3.43	37.4	54	-16.6	AVG
7386	47.33	-0.75	46.58	74	-27.42	peak
7386	34.37	-0.75	33.62	54	-20.38	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not recorded in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54dBuV/m(AV Limit), the Average Detected not need to completed.



LOW CH1 (802.11n/H20 Mode)/2412

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4824	51.08	-3.64	47.44	74	-26.56	peak
4824	41.19	-3.64	37.55	54	-16.45	AVG
7236	48.67	-0.95	47.72	74	-26.28	peak
7236	35.76	-0.95	34.81	54	-19.19	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin =

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4824	54.55	-3.64	50.91	74	-23.09	peak
4824	37.87	-3.64	34.23	54	-19.77	AVG
7236	49.99	-0.95	49.04	74	-24.96	peak
7236	37.71	-0.95	36.76	54	-17.24	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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MID CH6 (802.11n/H20 Mode)/2437

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4874	53.24	-3.51	49.73	74.00	-24.27	peak
4874	40.97	-3.51	37.46	54.00	-16.54	AVG
7311	49.25	-0.82	48.43	74.00	-25.57	peak
7311	38.96	-0.82	38.14	54.00	-15.86	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4874	50.40	-3.51	46.89	74.00	-27.11	peak
4874	41.89	-3.51	38.38	54.00	-15.62	AVG
7311	50.34	-0.82	49.52	74.00	-24.48	peak
7311	40.09	-0.82	39.27	54.00	-14.73	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

HIGH CH11 (802.11n/H20 Mode)/2462

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924	52.14	-3.43	48.71	74	-25.29	peak
4924	40.13	-3.43	36.7	54	-17.3	AVG
7386	45.77	-0.75	45.02	74	-28.98	peak
7386	36.84	-0.75	36.09	54	-17.91	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924	51.34	-3.43	47.91	74	-26.09	peak
4924	41.16	-3.43	37.73	54	-16.27	AVG
7386	50.04	-0.75	49.29	74	-24.71	peak
7386	38.35	-0.75	37.6	54	-16.4	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Test Result of Radiated Spurious at Band edges

Operation Mode:

802.11b Mode TX CH Low (2412MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	_ Detector Type
2310.00	51.64	-5.81	45.83	74	-28.17	peak
2310.00	38.15	-5.81	32.34	54	-21.66	AVG
2390.00	47.59	-5.84	41.75	74	-32.25	peak
2390.00	36.61	-5.84	30.77	54	-23.23	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2310.00	51.93	-5.81	46.12	74	-27.88	peak
2310.00	38.69	-5.81	32.88	54	-21.12	AVG
2390.00	49.86	-5.84	44.02	74	-29.98	peak
2390.00	39.23	-5.84	33.39	₍₁₎ 54	-20.61	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.





Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2483.50	49.93	-5.81	44.12	74	-29.88	peak
2483.50	40.01	-5.81	34.2	54	-19.8	AVG
2500.00	46.56	-6.06	40.5	74	-33.5	peak
2500.00	36.43	-6.06	30.37	54	-23.63	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = I evel-I imit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	-STING
2483.50	52.58	-5.81	46.77	74	-27.23	peak
2483.50	41.16	-5.81	35.35	54	-18.65	AVG
2500.00	49.81	-6.06	43.75	74	-30.25	peak
2500.00	36.75	-6.06	30.69	54	-23.31	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.



Operation Mode: 802.11g Mode TX CH Low (2412MHz)

Horizontal

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Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	,,,,
2310.00	51.37	-5.81	45.56	74 HUAY	-28.44	peak
2310.00	39.94	-5.81	34.13	54	-19.87	AVG
2390.00	48.41	-5.84	42.57	74	-31.43	peak
2390.00	37.84	-5.84	32	54	-22	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	- asG
2310.00	50.64	-5.81	44.83	74	-29.17	peak
2310.00	40.86	-5.81	35.05	54	-18.95	AVG
2390.00	49.76	-5.84	43.92	74	-30.08	peak
2390.00	37.07	-5.84	31.23	54	-22.77	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2483.50	50.97	-5.65	45.32	74	-28.68	peak
2483.50	38.81	-5.65	33.16	54	-20.84	AVG
2500.00	47.74	-5.65	42.09	74	-31.91	peak
2500.00	34.47	-5.65	28.82	54	-25.18	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	,,,,
2483.50	49.86	-5.65	44.21	74 HUM	-29.79	peak
2483.50	40.73	-5.65	35.08	54	-18.92	AVG
2500.00	46.54	-5.65	40.89	74	-33.11	peak
2500.00	39.69	-5.65	34.04	54	-19.96	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.



Operation Mode: 802.11n/H20 Mode TX CH Low (2412MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2310.00	48.72	-5.81	42.91	74	-31.09	peak
2310.00	37.45	-5.81	31.64	54	-22.36	AVG
2390.00	49.16	-5.84	43.32	74	-30.68	peak
2390.00	38.68	-5.84	32.84	54	-21.16	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

			0.	10		
Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	,,
2310.00	49.79	-5.81	43.98	74	-30.02	peak
2310.00	36.76	-5.81	30.95	54	-23.05	AVG
2390.00	47.12	-5.84	41.28	74	-32.72	peak
2390.00	35.39	-5.84	29.55	54	-24.45	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin =



Operation Mode: TX CH High (2462MHz)

Horizontal

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2483.50	50.61	-5.65	44.96	74	-29.04	peak
2483.50	37.64	-5.65	31.99	54	-22.01	AVG
2500.00	48.68	-5.65	43.03	74	-30.97	peak
2500.00	38.02	-5.65	32.37	54	-21.63	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin =

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	TESTING
2483.50	50.76	-5.65	45.11	74	-28.89	peak
2483.50	41.93	-5.65	36.28	54	-17.72	AVG
2500.00	46.25	-5.65	40.6	74	-33.4	peak
2500.00	40.17	-5.65	34.52	54	-19.48	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin =

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.



4.8. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

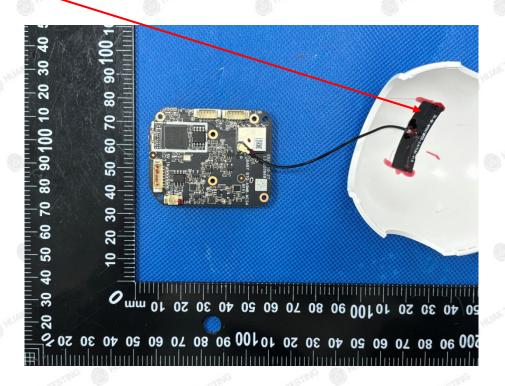
Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is an Internal antenna, need professional installation, not easy to remove. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 3.92dBi.

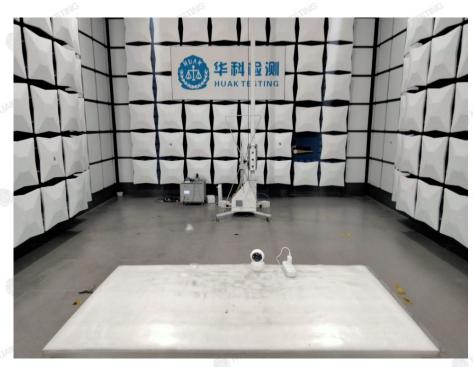
<u>Antenna</u>





5. Photograph of Test

Radiated Emissions

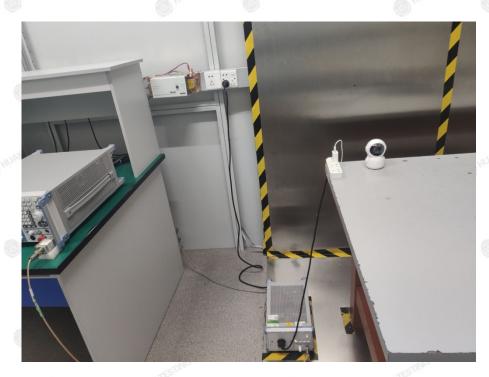




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Conducted Emission





6. Photos of the EUT

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

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

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