

TEST REPORT

Applicant: Shenzhen Golden Vision Technology Development Co., Ltd

Address of Applicant: No.6 Baofu Road, Baolai industrial Park, Shang mu gu Village, Pinghu, Longgang District, Shenzhen, China

Manufacturer: Shenzhen Golden Vision Technology Development Co., Ltd

Address of Manufacturer: No.6 Baofu Road, Baolai industrial Park, Shang mu gu Village, Pinghu, Longgang District, Shenzhen, China

Factory: Shenzhen Golden Vision Technology Development Co., Ltd

Address of Factory: No.6 Baofu Road, Baolai industrial Park, Shang mu gu Village, Pinghu, Longgang District, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Smart Camera

Model No.: W8(For specific models, please refer to page 5 of the report)

Trade Mark: N/A

FCC ID: 2APD7-WQX

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 2026-06-09

Date of Test: 2026-06-15 to 2026-08-11

Date of report issued: 2026-08-12

Test Result: PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Luo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	2026-08-12	Original

Tested By:

Jaeth. Gai

Date:

2026-08-11

Test Engineer

Prepared By:

Jessie Lu

Date:

2026-08-12

Project Engineer

Check By:

Robinson Lu

Date:

2026-08-12

Reviewer

3 Contents

	Page
1 COVER PAGE	1
2 VERSION	2
3 CONTENTS	3
4 TEST SUMMARY	4
5 GENERAL INFORMATION	5
5.1 GENERAL DESCRIPTION OF EUT	5
5.2 TEST MODE	7
5.3 DESCRIPTION OF SUPPORT UNITS	7
5.4 DEVIATION FROM STANDARDS	7
5.5 ABNORMALITIES FROM STANDARD CONDITIONS	7
5.6 TEST FACILITY	7
5.7 TEST LOCATION	7
5.8 ADDITIONAL INSTRUCTIONS	7
6 TEST INSTRUMENTS LIST	8
7 TEST RESULTS AND MEASUREMENT DATA	10
7.1 ANTENNA REQUIREMENT	10
7.2 DUTY CYCLE	11
7.3 CONDUCTED EMISSIONS	12
7.4 CONDUCTED OUTPUT POWER	15
7.5 CHANNEL BANDWIDTH	16
7.6 POWER SPECTRAL DENSITY	17
7.7 SPURIOUS EMISSION IN NON-RESTRICTED & RESTRICTED BANDS	18
7.7.1 Conducted Emission Method	18
7.7.2 Radiated Emission Method	19
8 TEST SETUP PHOTO	32
9 EUT CONSTRUCTIONAL DETAILS	32

4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203/15.247(b)(4)	Pass
Duty cycle	/	Pass
AC Power Line Conducted Emission	FCC part 15.207	Pass
Conducted Peak Output Power	FCC part 15.247 (b)(3)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2)	Pass
Power Spectral Density	FCC part 15.247 (e)	Pass
Band Edge	FCC part 15.247(d)	Pass
Spurious Emission	FCC part 15.205/15.209	Pass

Remarks:

1. Test according to ANSI C63.10-2020+Cor. 1-2023.
2. Pass: The EUT complies with the essential requirements in the standard.
3. N/A: not applicable

Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 3\text{dB}$
6	Conducted Spurious emissions	$\pm 2.58\text{dB}$
7	AC Power Line Conducted Emission	$\pm 3.44\text{dB}$ (0.15MHz ~ 30MHz)
8	Radiated Spurious emission test	$\pm 3.1\text{dB}$ (9kHz-30MHz)
		$\pm 3.8039\text{dB}$ (30MHz-200MHz)
		$\pm 3.9679\text{dB}$ (200MHz-1GHz)
		$\pm 4.29\text{dB}$ (1GHz-18GHz)
		$\pm 3.30\text{dB}$ (18GHz-40GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Time	$\pm 3\%$

5 General Information

5.1 General Description of EUT

Product Name:	Smart Camera
Model No.:	W8, W8B, W1, W2, W3, W4, W5, W6, W7, W9, W10, W12, W13, W14, W15, W16, W1C, W2C, W3C, W4C, W5C, W6C, W7C, W8C, W9C, W10C, W12C, W13C, W14C, W15C, W1S, W2S, W3S, W4S, W5S, W6S, W7S, W8S, W9S, W10S, W12S, W13S, W14S, W15S, W1B, W2B, W3B, W4B, W5B, W6B, W7B, W9B, W10B, W12B, W13B, W14B, W15B, W1D, W2D, W3D, W4D, W5D, W6D, W7D, W8D, W9D, W10D, W12D, W13D, W14D, W15D, WL1, WL2, WL3, WL4, WL5, WL6, W1Q, WQ1, W2a, Q1, Q1-BF
Test Model No:	W8
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The difference is model name for commercial purpose.	
Test sample(s) ID:	GTSL2026060415-1
Sample(s) Status	Engineer sample
S/N:	N/A
Operation Frequency:	802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz
Channel numbers:	802.11b/802.11g /802.11n(HT20): 11
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g/802.11n(HT20): Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	FPC Antenna
Antenna gain:	2.54 dBi
Power supply:	5.0Vdc, 1.0A

Disclaimer statement:

1. Antenna gain information provided by the customer, and the laboratory is not responsible for its authenticity.
2. The information in this section is provided by the applicant or manufacturer, GTS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

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 below:

Test channel	Frequency (MHz)
	802.11b/802.11g/802.11n(HT20)
Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode
-------------------	--

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:

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

Mode	802.11b	802.11g	802.11n(HT20)
Data rate	1Mbps	6Mbps	MCS0

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
Shenzhen Golden Vision Technology Development Co., Ltd	AC/DC ADAPTER	GV05W-0501000US	N/A

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.8 Additional Instructions

Test Software	Special test command provided by manufacturer: cmd
Power level setup	Default

6 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Apr. 10, 2026	Apr. 09, 2031
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Apr. 10, 2026	Apr. 09, 2027
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Apr. 11, 2026	Apr. 10, 2027
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 11, 2026	Apr. 10, 2027
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Jul. 11, 2025	Jul 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
7	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov.22, 2025	Nov.21, 2026
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 10, 2026	Apr. 09, 2027
9	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 10, 2026	Apr. 09, 2027
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	GTS691	Apr. 11, 2026	Apr. 10, 2027
11	Spectrum analyzer (9kHz-40GHz)	Rohde & Schwarz	FSV40-N	GTS666	Mar. 10, 2026	Mar. 09, 2027
12	Amplifier	/	LNA-1000-30S	GTS650	Apr. 10, 2026	Apr. 09, 2027
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 24, 2025	Nov. 23, 2026
14	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 10, 2026	Apr. 09, 2027
15	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 13, 2026	Apr. 12, 2027
16	RE cable 1	GTS	N/A	GTS675	Jul. 11, 2025	Jul. 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
17	RE cable 2	GTS	N/A	GTS676	Jul. 11, 2025	Jul. 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
18	RE cable 3	GTS	N/A	GTS677	Jul. 11, 2025	Jul. 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
19	RE cable 4	GTS	N/A	GTS678	Jul. 11, 2025	Jul. 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
20	RE cable 5	GTS	N/A	GTS679	Jul. 11, 2025	Jul. 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
21	RE cable 6	GTS	N/A	GTS680	Jul. 11, 2025	Jul. 10, 2026
					Jul. 17, 2026	Jul. 16, 2027
22	RE cable 7	GTS	N/A	GTS681	Jul. 11, 2025	Jul. 10, 2026
					Jul. 22, 2026	Jul. 21, 2027
23	RE cable 8	GTS	N/A	GTS682	Jul. 11, 2025	Jul. 10, 2026
					Jul. 22, 2026	Jul. 21, 2027
24	RE cable 9	GTS	N/A	GTS683	Jul. 11, 2025	Jul. 10, 2026
					Jul. 23, 2026	Jul. 22, 2027
25	EMI Test Software	AUDIX	E3-6.100614a	GTS725	N/A	N/A

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	Jul. 12, 2022	Jul. 11, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Jun. 03, 2026	Jun. 02, 2027
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	Apr. 10, 2026	Apr. 09, 2027
4	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
5	Thermo meter	JINCHUANG	GSP-8A	GTS642	Apr. 14, 2026	Apr. 13, 2027
6	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	Apr. 11, 2026	Apr. 10, 2027
7	ISN	SCHWARZBECK	NTFM 8158	GTS565	Apr. 10, 2026	Apr. 09, 2027
8	High voltage probe	SCHWARZBECK	TK9420	GTS537	Apr. 10, 2026	Apr. 09, 2027
9	Antenna end assembly	Weinschel	1870A	GTS560	Apr. 10, 2026	Apr. 09, 2027
10	EMI Test Software	AUDIX	E3-6.100622	GTS726	N/A	N/A
11	Current probe	CYBERTEK	EM5011	GTS698	Jan. 27, 2026	Jan. 26, 2027

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	Apr. 10, 2026	Apr. 09, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Jun. 03, 2026	Jun. 02, 2027
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	Apr. 10, 2026	Apr. 09, 2027
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	Apr. 10, 2026	Apr. 09, 2027
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 10, 2026	Apr. 09, 2027
6	Wideband Power Meter	Keysight	N1924A	GTS673	Apr. 10, 2026	Apr. 09, 2027
7	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 10, 2026	Apr. 09, 2027
8	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 10, 2026	Apr. 09, 2027
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 10, 2026	Apr. 09, 2027
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 14, 2026	Apr. 13, 2027
11	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 01, 2025	Oct. 31, 2026

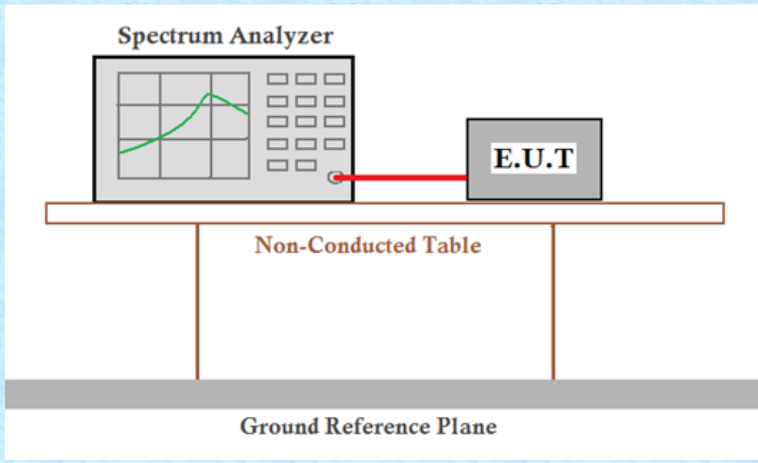
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 16, 2025 Jul. 21, 2026	Jul. 15, 2026 Jul. 20, 2027

7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(b)(4)
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, 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. 15.247(b)(4) requirement: (4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
EUT Antenna:	
The antenna is FPC antenna, reference to the appendix III for details.	

7.2 Duty cycle

Test Requirement :	/
Test Method :	ANSI C63.10-2020+Cor. 1-2023 Section 11.6
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

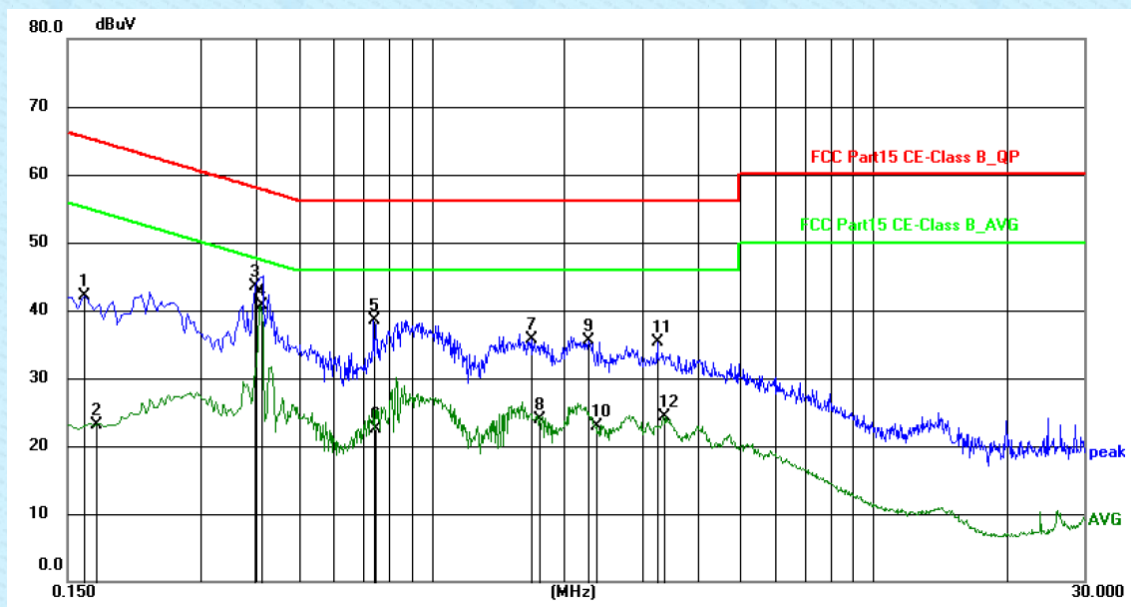
7.3 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.10-2020+Cor. 1-2023 Section 6.2						
Test Frequency Range:	150KHz to 30MHz						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto						
Limit:	Frequency range (MHz)		Limit (dBuV)				
			Quasi-peak		Average		
	0.15-0.5		66 to 56*		56 to 46*		
	0.5-5		56		46		
	5-30		60		50		
* Decreases with the logarithm of the frequency.							
Test setup:	Reference Plane Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m						
Test procedure:	1. The E.U.T and simulators are 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. 2. 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). 3. 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 C63.10-2020+Cor. 1-2023 on conducted measurement.						
Test Instruments:	Refer to section 6.0 for details						
Test mode:	Refer to section 5.2 for details						
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar	
Test voltage:	AC 120V, 60Hz						
Test results:	Pass						

Measurement data

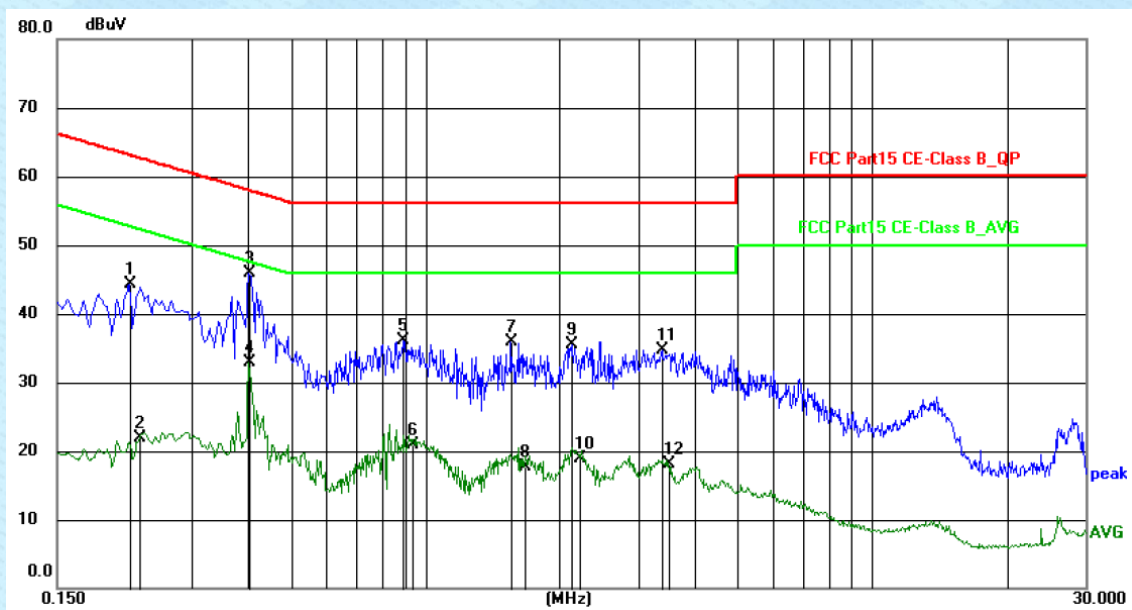
Pre-scan all test modes, found worst case at 802.11b 2412MHz, and so only show the test result of 802.11b 2412MHz.

Line:



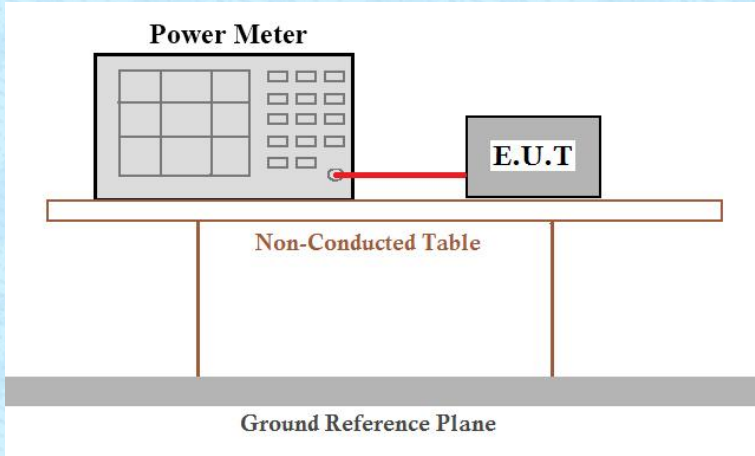
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1635	32.41	9.79	42.20	65.28	-23.08	peak	P
2	0.1731	13.25	9.78	23.03	54.81	-31.78	AVG	P
3	0.3997	33.81	9.72	43.53	57.86	-14.33	peak	P
4	0.4110	31.01	9.72	40.73	47.63	-6.90	AVG	P
5	0.7395	28.72	9.69	38.41	56.00	-17.59	peak	P
6	0.7440	12.86	9.69	22.55	46.00	-23.45	AVG	P
7	1.6845	26.10	9.69	35.79	56.00	-20.21	peak	P
8	1.7565	14.21	9.70	23.91	46.00	-22.09	AVG	P
9	2.2695	25.75	9.72	35.47	56.00	-20.53	peak	P
10	2.3685	13.18	9.72	22.90	46.00	-23.10	AVG	P
11	3.2505	25.50	9.72	35.22	56.00	-20.78	peak	P
12	3.3585	14.51	9.72	24.23	46.00	-21.77	AVG	P

Neutral:



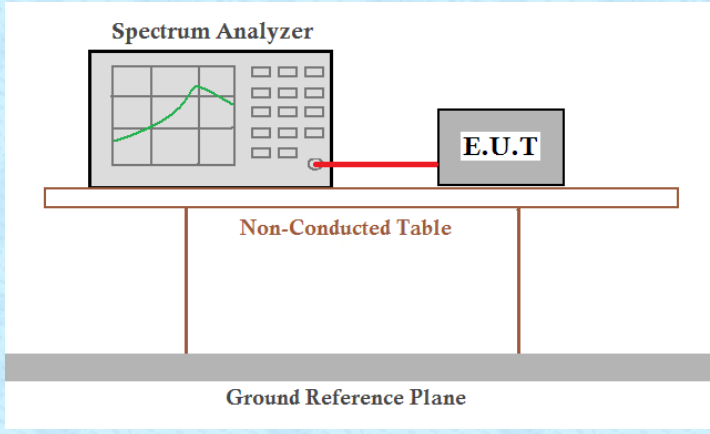
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2175	34.63	9.76	44.39	62.91	-18.52	peak	P
2	0.2292	12.13	9.76	21.89	52.48	-30.59	AVG	P
3	0.4020	36.22	9.72	45.94	57.81	-11.87	peak	P
4	0.4020	23.25	9.72	32.97	47.81	-14.84	AVG	P
5	0.8925	26.42	9.66	36.08	56.00	-19.92	peak	P
6	0.9375	11.20	9.65	20.85	46.00	-25.15	AVG	P
7	1.5585	26.26	9.69	35.95	56.00	-20.05	peak	P
8	1.6665	8.02	9.70	17.72	46.00	-28.28	AVG	P
9	2.1300	25.82	9.72	35.54	56.00	-20.46	peak	P
10	2.2200	9.17	9.72	18.89	46.00	-27.11	AVG	P
11	3.3855	24.98	9.72	34.70	56.00	-21.30	peak	P
12	3.4935	8.47	9.71	18.18	46.00	-27.82	AVG	P

7.4 Conducted Output Power

Test Requirement :	FCC Part15 C Section 15.247 (b)(3)
Test Method :	ANSI C63.10-2020+Cor. 1-2023 Section 11.9.1.2
Limit:	30dBm
Test setup:	 The diagram illustrates the test setup for conducted output power measurement. A Power Meter is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Power Meter and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

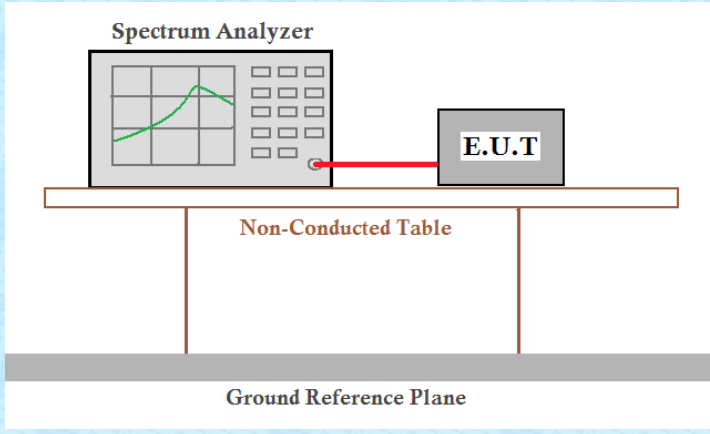
Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

7.5 Channel Bandwidth

Test Requirement :	FCC Part15 C Section 15.247 (a)(2)
Test Method :	ANSI C63.10-2020+Cor. 1-2023 Section 6.9.3 and 11.8.2
Limit:	>500KHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

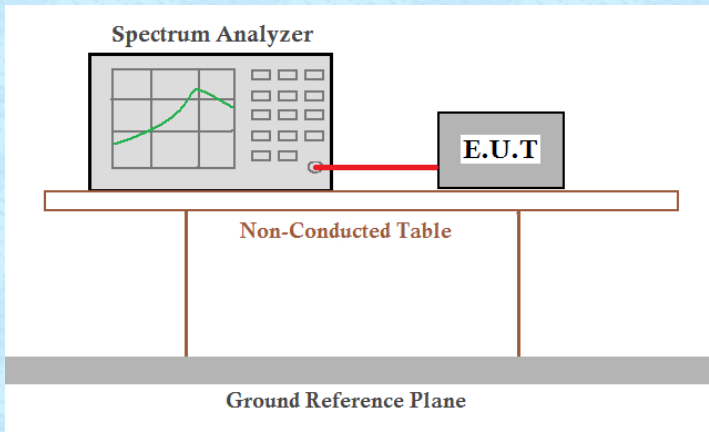
7.6 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.10-2020+Cor. 1-2023 Section 11.10.2
Limit:	8dBm/3kHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

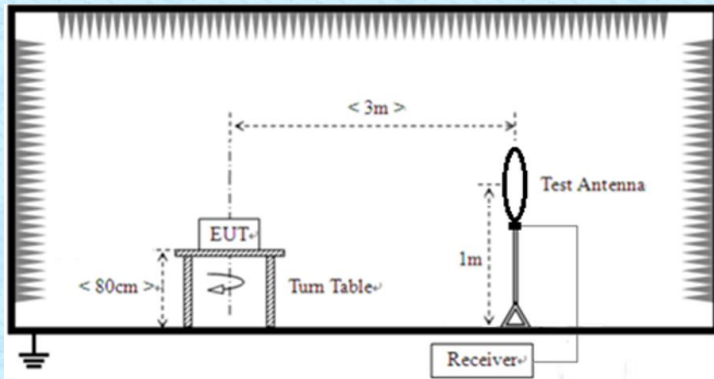
7.7 Spurious Emission in Non-restricted & restricted Bands

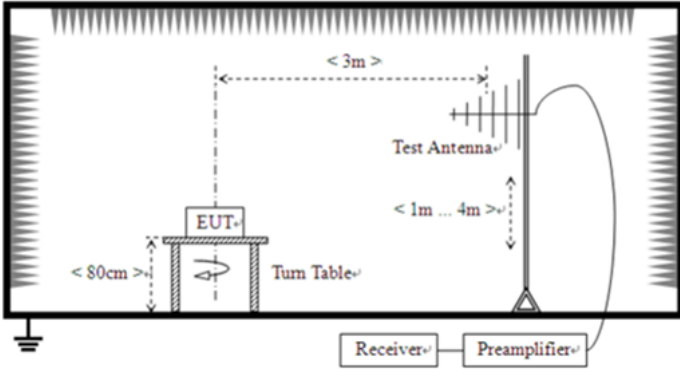
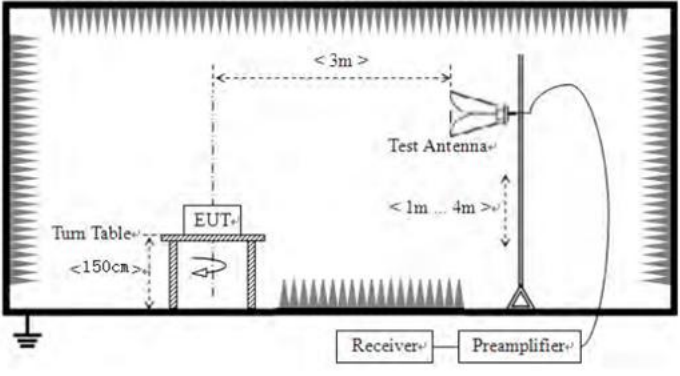
7.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10-2020+Cor. 1-2023 Section 11.11.2 and 11.11.3
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for WIFI 2.4G.

7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10-2020+Cor. 1-2023 Section 6.4, 6.5 and 6.6				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
	Note: For Duty cycle ≥ 98%, average detector set as above For Duty cycle < 98%, average detector set as below: VBW ≥ 1 / T				
Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance	
	0.009MHz-0.490MHz	2400/F(KHz)	PK/QP/A V	300m	
	0.490MHz-1.705MHz	24000/F(KHz)	QP	30m	
	1.705MHz-30MHz	30	QP	30m	
	30MHz-88MHz	100	QP	3m	
	88MHz-216MHz	150	QP		
	216MHz-960MHz	200	QP		
	960MHz-1GHz	500	QP		
	Above 1GHz	500	Average		
		5000	Peak		
Test setup:	For radiated emissions from 9kHz to 30MHz				
					
For radiated emissions from 30MHz to1GHz					

	 For radiated emissions above 1GHz 
Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details

Test mode:	Refer to section 5.2 for details					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

Remarks:

1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

Measurement data:

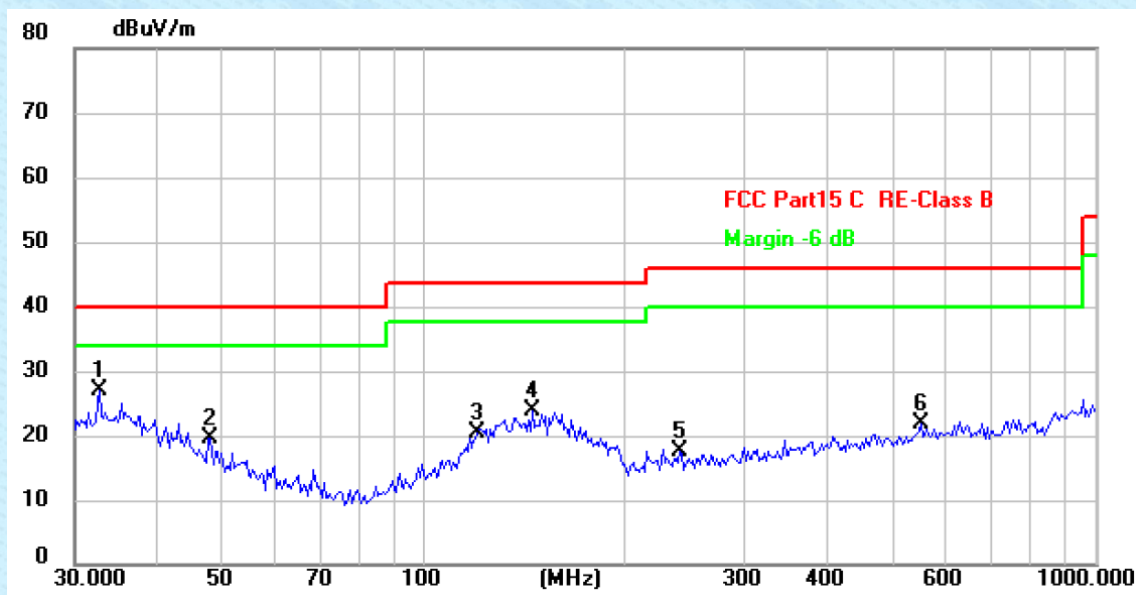
■ **9kHz~30MHz**

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

■ Below 1GHz

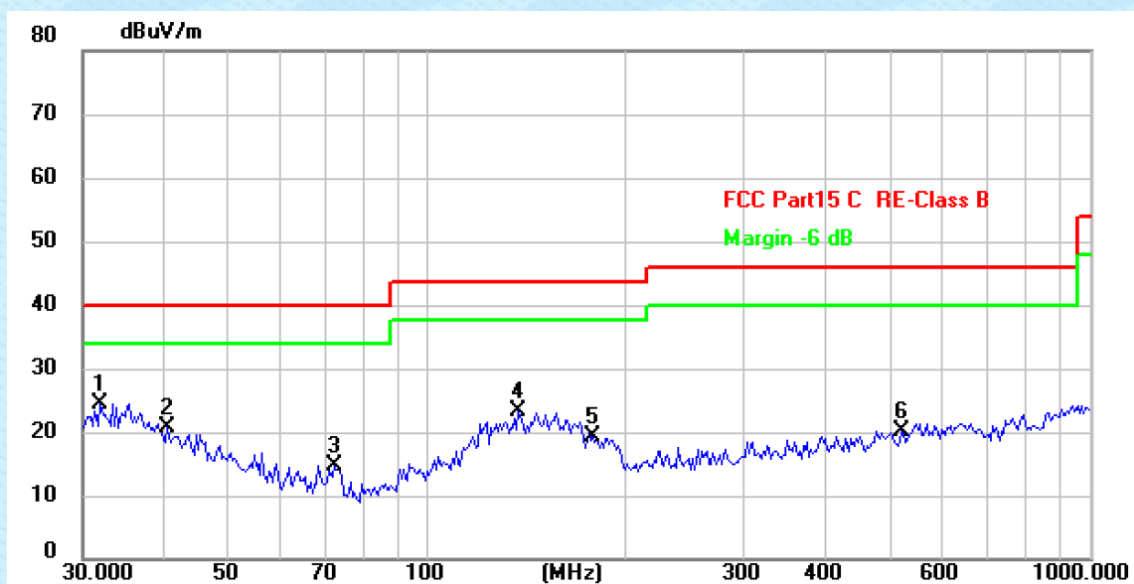
Pre-scan all test modes, found worst case at 802.11b 2462MHz, and so only show the test result of 802.11b 2462MHz.

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	32.6395	29.76	-2.88	26.88	40.00	-13.12	peak
2	47.7028	28.57	-8.97	19.60	40.00	-20.40	peak
3	119.7672	31.45	-11.12	20.33	43.50	-23.17	peak
4	144.7899	35.27	-11.54	23.73	43.50	-19.77	peak
5	240.1442	29.25	-11.77	17.48	46.00	-28.52	peak
6	550.2902	29.50	-7.78	21.72	46.00	-24.28	peak

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.9586	27.47	-3.03	24.44	40.00	-15.56	peak
2	40.2995	26.04	-5.41	20.63	40.00	-19.37	peak
3	72.2111	30.01	-15.31	14.70	40.00	-25.30	peak
4	136.8747	28.85	-5.56	23.29	43.50	-20.21	peak
5	177.5179	27.47	-8.11	19.36	43.50	-24.14	peak
6	520.2078	29.55	-9.30	20.25	46.00	-25.75	peak

Unwanted Emissions in non-restricted Frequency Bands

■ Above 1GHz

Test mode:	802.11b	Test channel:	Lowest
------------	---------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4062.2760	40.84	28.96	6.48	34.59	41.69	74.00	-32.31	Vertical
6921.5353	42.30	35.55	7.50	34.18	51.17	74.00	-22.83	Vertical
8982.6270	41.20	36.80	7.71	34.11	51.60	74.00	-22.40	Vertical
4805.3070	48.80	30.07	6.69	34.44	51.12	74.00	-22.88	Horizontal
7249.8171	41.82	35.95	7.58	34.27	51.08	74.00	-22.92	Horizontal
12069.7354	39.73	40.44	8.14	32.85	55.46	74.00	-18.54	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4062.2760	28.53	28.96	6.48	34.59	29.38	54.00	-24.62	Vertical
6921.5353	30.48	35.55	7.50	34.18	39.35	54.00	-14.65	Vertical
8982.6270	28.50	36.80	7.71	34.11	38.90	54.00	-15.10	Vertical
4805.3070	32.41	30.07	6.69	34.44	34.73	54.00	-19.27	Horizontal
7249.8171	29.04	35.95	7.58	34.27	38.30	54.00	-15.70	Horizontal
12069.7354	27.39	40.44	8.14	32.85	43.12	54.00	-10.88	Horizontal

Test mode:	802.11b	Test channel:	Middle
------------	---------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
3745.8585	40.99	28.59	6.35	34.65	41.28	74.00	-32.72	Vertical
6093.4009	41.71	32.98	6.93	33.93	47.69	74.00	-26.31	Vertical
9797.9904	40.20	38.72	7.85	34.10	52.67	74.00	-21.33	Vertical
3660.0672	41.61	28.49	6.31	34.67	41.74	74.00	-32.26	Horizontal
6921.5353	40.71	35.55	7.50	34.18	49.58	74.00	-24.42	Horizontal
10874.7024	39.58	39.81	8.00	33.49	53.90	74.00	-20.10	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
3745.8585	29.08	28.59	6.35	34.65	29.37	54.00	-24.63	Vertical
6093.4009	29.05	32.98	6.93	33.93	35.03	54.00	-18.97	Vertical
9797.9904	28.57	38.72	7.85	34.10	41.04	54.00	-12.96	Vertical
3660.0672	29.08	28.49	6.31	34.67	29.21	54.00	-24.79	Horizontal
6921.5353	30.48	35.55	7.50	34.18	39.35	54.00	-14.65	Horizontal
10874.7024	27.98	39.81	8.00	33.49	42.30	54.00	-11.70	Horizontal

Test mode:	802.11b	Test channel:	Highest
------------	---------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
3278.6353	43.36	27.90	6.19	34.83	42.62	74.00	-31.38	Vertical
7726.7771	40.56	36.37	7.65	34.42	50.16	74.00	-23.84	Vertical
11725.1895	41.15	40.34	8.11	33.04	56.56	74.00	-17.44	Vertical
3474.1525	41.22	28.25	6.23	34.72	40.98	74.00	-33.02	Horizontal
6236.2292	39.85	33.41	7.03	33.97	46.32	74.00	-27.68	Horizontal
8140.2655	40.73	36.71	7.69	34.44	50.69	74.00	-23.31	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
3278.6353	29.57	27.90	6.19	34.83	28.83	54.00	-25.17	Vertical
7726.7771	29.05	36.37	7.65	34.42	38.65	54.00	-15.35	Vertical
11725.1895	28.02	40.34	8.11	33.04	43.43	54.00	-10.57	Vertical
3474.1525	29.06	28.25	6.23	34.72	28.82	54.00	-25.18	Horizontal
6236.2292	29.04	33.41	7.03	33.97	35.51	54.00	-18.49	Horizontal
8140.2655	28.55	36.71	7.69	34.44	38.51	54.00	-15.49	Horizontal

Test mode:	802.11g	Test channel:	lowest
------------	---------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4230.3711	41.09	29.13	6.51	34.55	42.18	74.00	-31.82	Vertical
6200.2113	40.69	33.30	7.01	33.96	47.04	74.00	-26.96	Vertical
11590.1409	39.77	40.25	8.09	33.10	55.01	74.00	-18.99	Vertical
3745.8585	41.50	28.59	6.35	34.65	41.79	74.00	-32.21	Horizontal
5988.4308	41.57	32.67	6.87	33.90	47.21	74.00	-26.79	Horizontal
10322.3170	41.01	39.43	7.93	33.87	54.50	74.00	-19.50	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4230.3711	28.52	29.13	6.51	34.55	29.61	54.00	-24.39	Vertical
6200.2113	29.04	33.30	7.01	33.96	35.39	54.00	-18.61	Vertical
11590.1409	28.03	40.25	8.09	33.10	43.27	54.00	-10.73	Vertical
3745.8585	29.08	28.59	6.35	34.65	29.37	54.00	-24.63	Horizontal
5988.4308	29.53	32.67	6.87	33.90	35.17	54.00	-18.83	Horizontal
10322.3170	28.57	39.43	7.93	33.87	42.06	54.00	-11.94	Horizontal

Test mode:	802.11g	Test channel:	Middle
------------	---------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4329.5301	39.06	29.23	6.53	34.53	40.29	74.00	-33.71	Vertical
6308.8938	40.95	33.63	7.08	33.99	47.67	74.00	-26.33	Vertical
8675.8075	40.24	36.77	7.70	34.23	50.48	74.00	-23.52	Vertical
4015.4875	40.29	28.92	6.47	34.60	41.08	74.00	-32.92	Horizontal
6456.7731	40.14	34.07	7.18	34.04	47.35	74.00	-26.65	Horizontal
10625.6394	40.04	39.64	7.97	33.66	53.99	74.00	-20.01	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4329.5301	28.50	29.23	6.53	34.53	29.73	54.00	-24.27	Vertical
6308.8938	29.04	33.63	7.08	33.99	35.76	54.00	-18.24	Vertical
8675.8075	28.47	36.77	7.70	34.23	38.71	54.00	-15.29	Vertical
4015.4875	29.05	28.92	6.47	34.60	29.84	54.00	-24.16	Horizontal
6456.7731	29.54	34.07	7.18	34.04	36.75	54.00	-17.25	Horizontal
10625.6394	28.00	39.64	7.97	33.66	41.95	54.00	-12.05	Horizontal

Test mode:	802.11g	Test channel:	Highest
------------	---------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4668.1334	40.81	29.77	6.63	34.47	42.74	74.00	-31.26	Vertical
7862.2186	41.10	36.53	7.67	34.46	50.84	74.00	-23.16	Vertical
10874.7024	40.02	39.81	8.00	33.49	54.34	74.00	-19.66	Vertical
4405.4218	40.26	29.31	6.54	34.52	29.26	74.00	-24.74	Horizontal
6961.7434	41.36	35.68	7.52	34.19	50.37	74.00	-23.63	Horizontal
9741.4012	40.75	38.58	7.84	34.10	53.07	74.00	-20.93	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4668.1334	28.50	29.77	6.63	34.47	30.43	54.00	-23.57	Vertical
7862.2186	29.56	36.53	7.67	34.46	39.30	54.00	-14.70	Vertical
10874.7024	27.98	39.81	8.00	33.49	42.30	54.00	-11.70	Vertical
4405.4218	27.93	29.31	6.54	34.52	29.26	54.00	-24.74	Horizontal
6961.7434	30.48	35.68	7.52	34.19	39.49	54.00	-14.51	Horizontal
9741.4012	28.58	38.58	7.84	34.10	40.90	54.00	-13.10	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest
------------	---------------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
5684.2458	40.69	31.75	6.84	34.03	45.25	74.00	-28.75	Vertical
6881.5594	42.06	35.42	7.47	34.16	50.79	74.00	-23.21	Vertical
11657.4696	40.77	40.29	8.10	33.07	56.09	74.00	-17.91	Vertical
4805.3070	46.11	30.07	6.69	34.44	48.43	74.00	-25.57	Horizontal
6723.9513	41.82	34.92	7.36	34.12	49.98	74.00	-24.02	Horizontal
10503.2553	40.62	39.55	7.96	33.75	54.38	74.00	-19.62	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
5684.2458	28.52	31.75	6.84	34.03	33.08	54.00	-20.92	Vertical
6881.5594	30.02	35.42	7.47	34.16	38.75	54.00	-15.25	Vertical
11657.4696	28.59	40.29	8.10	33.07	43.91	54.00	-10.09	Vertical
4805.3070	30.48	30.07	6.69	34.44	32.80	54.00	-21.20	Horizontal
6723.9513	30.01	34.92	7.36	34.12	38.17	54.00	-15.83	Horizontal
10503.2553	28.02	39.55	7.96	33.75	41.78	54.00	-12.22	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle
------------	---------------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4230.3711	40.83	29.13	6.51	34.55	41.92	74.00	-32.08	Vertical
8235.1160	41.01	36.72	7.69	34.41	51.01	74.00	-22.99	Vertical
11129.6033	40.16	39.98	8.04	33.34	54.84	74.00	-19.16	Vertical
3597.0157	40.97	28.42	6.28	34.68	40.99	74.00	-33.01	Horizontal
6272.4563	41.69	33.52	7.06	33.98	48.29	74.00	-25.71	Horizontal
9518.2943	40.84	38.04	7.80	34.10	52.58	74.00	-21.42	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4230.3711	27.96	29.13	6.51	34.55	29.05	54.00	-24.95	Vertical
8235.1160	28.57	36.72	7.69	34.41	38.57	54.00	-15.43	Vertical
11129.6033	27.97	39.98	8.04	33.34	42.65	54.00	-11.35	Vertical
3597.0157	29.06	28.42	6.28	34.68	29.08	54.00	-24.92	Horizontal
6272.4563	29.53	33.52	7.06	33.98	36.13	54.00	-17.87	Horizontal
9518.2943	28.53	38.04	7.80	34.10	40.27	54.00	-13.73	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest
------------	---------------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
3597.0157	40.84	28.42	6.28	34.68	40.86	74.00	-33.14	Vertical
6961.7434	41.11	35.68	7.52	34.19	50.12	74.00	-23.88	Vertical
9408.6643	40.93	37.78	7.78	34.10	52.39	74.00	-21.61	Vertical
3454.0872	40.01	28.22	6.22	34.73	39.72	74.00	-34.28	Horizontal
5684.2458	39.55	31.75	6.84	34.03	44.11	74.00	-29.89	Horizontal
7862.2186	41.23	36.53	7.67	34.46	50.97	74.00	-23.03	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
3597.0157	29.06	28.42	6.28	34.68	29.08	54.00	-24.92	Vertical
6961.7434	30.04	35.68	7.52	34.19	39.05	54.00	-14.95	Vertical
9408.6643	28.49	37.78	7.78	34.10	39.95	54.00	-14.05	Vertical
3454.0872	28.53	28.22	6.22	34.73	28.24	54.00	-25.76	Horizontal
5684.2458	29.04	31.75	6.84	34.03	33.60	54.00	-20.40	Horizontal
7862.2186	29.06	36.53	7.67	34.46	38.80	54.00	-15.20	Horizontal

Unwanted Emissions in restricted Frequency Bands & Band Edge

Test mode:	802.11b	Test channel:	Lowest
------------	---------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.000	43.02	26.20	5.60	35.18	39.64	74.00	-34.36	Horizontal
2390.000	46.09	26.32	5.64	35.14	42.91	74.00	-31.09	Horizontal
2310.000	40.42	26.20	5.60	35.18	37.04	74.00	-36.96	Vertical
2390.000	41.09	26.32	5.64	35.14	37.91	74.00	-36.09	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.000	31.28	26.20	5.60	35.18	27.90	54.00	-26.10	Horizontal
2390.000	35.56	26.32	5.64	35.14	32.38	54.00	-21.62	Horizontal
2310.000	30.01	26.20	5.60	35.18	26.63	54.00	-27.37	Vertical
2390.000	30.88	26.32	5.64	35.14	27.70	54.00	-26.30	Vertical

Test mode:	802.11b	Test channel:	Highest
------------	---------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.500	38.25	26.47	5.70	35.11	35.31	74.00	-38.69	Horizontal
2500.000	42.50	26.50	5.71	35.10	39.61	74.00	-34.39	Horizontal
2483.500	39.56	26.47	5.70	35.11	36.62	74.00	-37.38	Vertical
2500.000	40.69	26.50	5.71	35.10	37.80	74.00	-36.20	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.500	29.55	26.47	5.70	35.11	26.61	54.00	-27.39	Horizontal
2500.000	31.67	26.50	5.71	35.10	28.78	54.00	-25.22	Horizontal
2483.500	29.05	26.47	5.70	35.11	26.11	54.00	-27.89	Vertical
2500.000	30.46	26.50	5.71	35.10	27.57	54.00	-26.43	Vertical

Test mode:	802.11g	Test channel:	Lowest
------------	---------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.000	42.27	26.20	5.60	35.18	38.89	74.00	-35.11	Horizontal
2390.000	53.41	26.32	5.64	35.14	50.23	74.00	-23.77	Horizontal
2310.000	40.55	26.20	5.60	35.18	37.17	74.00	-36.83	Vertical
2390.000	53.07	26.32	5.64	35.14	49.89	74.00	-24.11	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.000	30.88	26.20	5.60	35.18	27.50	54.00	-26.50	Horizontal
2390.000	39.40	26.32	5.64	35.14	36.22	54.00	-17.78	Horizontal
2310.000	30.88	26.20	5.60	35.18	27.50	54.00	-26.50	Vertical
2390.000	39.86	26.32	5.64	35.14	36.68	54.00	-17.32	Vertical

Test mode:	802.11g	Test channel:	Highest
------------	---------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.500	57.83	26.47	5.70	35.11	54.89	74.00	-19.11	Horizontal
2500.000	42.92	26.50	5.71	35.10	40.03	74.00	-33.97	Horizontal
2483.500	58.03	26.47	5.70	35.11	55.09	74.00	-18.91	Vertical
2500.000	43.12	26.50	5.71	35.10	40.23	74.00	-33.77	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.500	43.13	26.47	5.70	35.11	40.19	54.00	-13.81	Horizontal
2500.000	31.67	26.50	5.71	35.10	28.78	54.00	-25.22	Horizontal
2483.500	43.90	26.47	5.70	35.11	40.96	54.00	-13.04	Vertical
2500.000	32.39	26.50	5.71	35.10	29.50	54.00	-24.50	Vertical

Test mode:	802.11n(HT20)	Test channel:	Lowest
------------	---------------	---------------	--------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.000	40.95	26.20	5.60	35.18	37.57	74.00	-36.43	Horizontal
2390.000	50.80	26.32	5.64	35.14	47.62	74.00	-26.38	Horizontal
2310.000	40.82	26.20	5.60	35.18	37.44	74.00	-36.56	Vertical
2390.000	54.57	26.32	5.64	35.14	51.39	74.00	-22.61	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.000	30.45	26.20	5.60	35.18	27.07	54.00	-26.93	Horizontal
2390.000	38.76	26.32	5.64	35.14	35.58	54.00	-18.42	Horizontal
2310.000	30.88	26.20	5.60	35.18	27.50	54.00	-26.50	Vertical
2390.000	39.56	26.32	5.64	35.14	36.38	54.00	-17.62	Vertical

Test mode:	802.11n(HT20)	Test channel:	Highest
------------	---------------	---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.500	53.98	26.47	5.70	35.11	51.04	74.00	-22.96	Horizontal
2500.000	41.09	26.50	5.71	35.10	38.20	74.00	-35.80	Horizontal
2483.500	54.71	26.47	5.70	35.11	51.77	74.00	-22.23	Vertical
2500.000	43.12	26.50	5.71	35.10	40.23	74.00	-33.77	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.500	43.13	26.47	5.70	35.11	40.19	54.00	-13.81	Horizontal
2500.000	31.28	26.50	5.71	35.10	28.39	54.00	-25.61	Horizontal
2483.500	44.00	26.47	5.70	35.11	41.06	54.00	-12.94	Vertical
2500.000	32.39	26.50	5.71	35.10	29.50	54.00	-24.50	Vertical

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II and appendix III** for details.

-----End-----