TEST REPORT

Report reference No.....	:	M2603405WY-R0288
Tested by..... (printed name and signature)	:	(Project Engineer)
Approved by ..... (printed name and signature)	:	(Reviewer)
Date of issue.....	:	Mar. 30, 2026
Testing laboratory	:	Shenzhen Meiou Testing Technology Co., Ltd
Address.....	:	301, Building A2, Huafa Industrial Park, Fuyuan 1st Road, Zhancheng Community, Fuhai Street, Bao' an District, Shenzhen, Guangdong, China
Applicant.....	:	Guangzhou Yunchuang Intelligent Equipment Co., Ltd.
Address.....	:	Room 305, Yaju Center, Yayo Town, Huadu District, Guangzhou City
Manufacturer.....	:	Guangzhou Yunchuang Intelligent Equipment Co., Ltd.
Address.....	:	Room 305, Yaju Center, Yayo Town, Huadu District, Guangzhou City
Standards.....	:	ETSI EN 300 328 V2.2.2 (2019-07)
Test Procedure	:	Radio Test Report
Non-standard test method.....	:	N/A
Type of test equipment	:	Vending machine
Trade mark.....	:	N/A
Model/Type designation.....	:	XHJ, FYJ, SHJ, TS, YC
Rating.....	:	Input: 220Vac, 10A
Test Date.....	:	2026-03-24 to 2026-03-30
Test Results.....	:	PASS

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

TABLE OF CONTENT

Table of Contents **Page**

1 . Summary Of Test Results 4
2 General Information 5
3 . RF output power 15
3.1 Limit 15
3.2 Test Setup 15
3.3 Test Procedure 16
3.4 Test Result 16
4 . Power Spectral Density 17
4.1 Limit 17
4.2 Test Setup 17
4.3 Test Procedure 17
4.4 Test Result 18
5 . Adaptivity 19
5.1 Limit 19
5.2 Test Setup 19
5.3 Test Procedure 20
5.4 Test Result 21
6 . Occupied Channel Bandwidth 39
6.1 Limit 39
6.2 Test Setup 39
6.3 Test Procedure 39
6.4 Test Result 40
7 . Transmitter unwanted emissions in the out-of-band domain 41
7.1 Limit 41
7.2 Test Setup 41
7.3 Test Procedure 42
7.4 Test Result 42
8 . Receiver Blocking 55
8.1 Limit 55
8.2 Test Setup 55
8.3 Test Procedure 55
8.4 Test Result 55
9 . Spurious emissions – Transmitter (30- 1000MHz) 56
9.1 Applied procedures / limit 56
9.1.1 Measuring Instruments and Setting 51
9.1.2 Test Procedures 56
9.1.3 Test Setup Layout 57
9.1.4 EUT Operation during Test 58
9.1.5 Results of Standby Mode Spurious Emissions 58

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Table of Contents **Page**

9.1.6 TEST RESULTS (30MHz ~ 1000MHz) 58
10 . Spurious emissions – TRANSMITTER (above 1000MHz) 61
10.1 Applied procedures / limit 61
10.1.1 Measuring Instruments and Setting 61
10.1.2 Test Procedures 62
10.1.3 Test Setup Layout 63
10.1.4 EUT Operation during Test 63
10.1.5 Results of Standby Mode Spurious Emissions 63
10.1.6 TEST RESULTS 64
11 . Spurious emissions – RECEIVER (30-1000MHz) 68
11.1 Applied procedures / limit 68
11.1.1 Measuring Instruments and Setting 68
11.1.2 Test Procedures 69
11.1.3 Test Setup Layout 69
11.1.4 EUT Operation during Test 69
11.1.5 TEST RESULTS (30MHz-1000MHz) 69
12 . Spurious emissions – RECEIVER (above 1000MHz) 71
12.1 Applied procedures / limit 71
12.1.1 Measuring Instruments and Setting 71
12.1.2 Test Procedures 72
12.1.3 Test Setup Layout 72
12.1.4 EUT Operation during Test 72
12.1.5 TEST RESULTS (Above 1000MHz) 72
13 . TEST PHOTOGRAPH 67
14 . EUT PHOTOGRAPH 67

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Summary Of Test Results

Test procedures according to the technical standards:

The following essential requirements and test specifications are relevant to the presumption of conformity under Article 3.2 of the RE Directive			
No	Test Parameter	Clause No	Results
Transmitter Parameters			
1	RF output power	4.3.2.1	PASS
2	Power Spectral Density	4.3.2.2	PASS
3	Duty Cycle, Tx-sequence, Tx-gap	4.3.2.3	N/A
4	Dwell time, Minimum Frequency Occupation & Hopping Sequence	4.3.1.3	N/A
5	Hopping Frequency Separation	4.3.1.4	N/A
6	Medium Utilisation (MU) factor	4.3.2.4	N/A
7	Adaptivity (adaptive equipment using modulations other than FHSS)	4.3.2.5	PASS
8	Occupied Channel Bandwidth	4.3.2.6	PASS
9	Transmitter unwanted emissions in the out-of-band domain	4.3.2.7	PASS
10	Transmitter unwanted emissions in the spurious domain	4.3.2.8	PASS
Receiver Parameters			
11	Receiver spurious emissions	4.3.2.9	PASS
12	Receiver Blocking	4.3.2.10	PASS
Note: N/A is an abbreviation for Not Applicable and means this test intem is not applicable for this device according to the technology characteristic of device.			

Measurement Uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y)

RF frequency	1 x 10^{-7}
RF power, conducted	± 1.0 dB
Conducted emission of receivers	± 1 dB
Radiated emission of transmitter	± 6 dB
Radiated emission of receiver	± 6 dB
Temperature	±1 degree
Humidity	± 5 %

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

General Information

General Description Of EUT

EUT Name	:	Vending machine
Brand Name	:	N/A
Model No.	:	XHJ, FYJ, SHJ, TS, YC
Model Difference	:	All the models are the same, only the model name and appearance.
Operation frequency	:	802.11b/g/n20:200~470 MHz
Modulation	:	DSSS, OFDM
Antenna Type	:	Internal Antenna3.0dBi
Power supply	:	Input: 220Vac, 10A
Hardware Version	:	---
Software Version	:	---
Firmware	:	---
Intend use environment	:	Residential, commercial and light industrial environment

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

Channel List for 802.11b/g/n(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452	13	2472
02	2417	06	2437	10	2457		
03	2422	07	2442	11	2462		
04	2427	08	2447	12	2467		

Channel List for 802.11n(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	06	2437	09	2452		
04	2427	07	2442	10	2457		
05	2432	08	2447	11	2462		

4 : Annex E

a) The type of modulation used by the equipment:

□FHSS

■other forms of modulation

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

b) In case of FHSS modulation:

•In case of non-Adaptive Frequency Hopping equipment:

The number of Hopping Frequencies:

•In case of Adaptive Frequency Hopping Equipment:

The maximum number of Hopping Frequencies:

The minimum number of Hopping Frequencies:

The Dwell Time:

The Minimum Channel Occupation Time:

c) Adaptive / non-adaptive equipment:

□non-adaptive Equipment

■adaptive Equipment without the possibility to switch to a non-adaptive mode

□adaptive Equipment which can also operate in a non-adaptive mode

d) In case of adaptive equipment:

The Channel Occupancy Time implemented by the equipment: 1548.8ms

□The equipment has implemented an LBT based DAA mechanism

- In case of equipment using modulation different from FHSS:

□The equipment is Frame Based equipment

□The equipment is Load Based equipment

□The equipment can switch dynamically between Frame Based and Load Based equipment

The CCA time implemented by the equipment: ..... μs

The value q as referred to in clause 4.3.2.5.2.2.2 .....

■The equipment has implemented an non-LBT based DAA mechanism

□The equipment can operate in more than one adaptive mode

e) In case of non-adaptive Equipment:

The maximum RF Output Power (e.i.r.p.): 12.57 dBm

The maximum (corresponding) Duty Cycle: ……. %

Equipment with dynamic behaviour, that behaviour is described here. (e.g. the different combinations of duty cycle and corresponding power levels to be declared):

f) The worst case operational mode for each of the following tests:

- RF Output Power

  802.11b
- Power Spectral Density

  802.11b
- Duty cycle, Tx-Sequence, Tx-gap

  802.11b
- Dwell time, Minimum Frequency Occupation & Hopping Sequence (only for FHSS equipment)

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

- Hopping Frequency Separation (only for FHSS equipment)
- Medium Utilisation
- Adaptivity & Receiver Blocking
- Occupied Channel Bandwidth
  802.11n(HT40)
- Transmitter unwanted emissions in the OOB domain
  802.11b
- Transmitter unwanted emissions in the spurious domain
  802.11b
- Receiver spurious emissions

g) The different transmit operating modes (tick all that apply):

■Operating mode 1: Single Antenna Equipment

■Equipment with only 1 antenna

□Equipment with 2 diversity antennas but only 1 antenna active at any moment in time

□Smart Antenna Systems with 2 or more antennas, but operating in a (legacy) mode where only 1 antenna is used. (e.g. IEEE 802.11™ [i.3] legacy mode in smart antenna systems)

□Operating mode 2: Smart Antenna Systems - Multiple Antennas without beam forming

□Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ [i.3] legacy mode)

□High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 1

□High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 2

NOTE: Add more lines if more channel bandwidths are supported.

□Operating mode 3: Smart Antenna Systems - Multiple Antennas with beam forming

□Single spatial stream / Standard throughput (e.g. IEEE 802.11™ [i.3] legacy mode)

□High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 1

□High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 2

NOTE: Add more lines if more channel bandwidths are supported.

h) In case of Smart Antenna Systems:

- The number of Receive chains: .....
- The number of Transmit chains: .....

□symmetrical power distribution

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

□asymmetrical power distribution

In case of beam forming, the maximum beam forming gain: .....

NOTE: Beam forming gain does not include the basic gain of a single antenna.

i) Operating Frequency Range(s) of the equipment:

• Operating Frequency Range 1: 2412 MHz to 2472 MHz

• Operating Frequency Range 2: 2422 MHz to 2462 MHz

NOTE: Add more lines if more Frequency Ranges are supported.

j) Occupied Channel Bandwidth(s):

Occupied Channel Bandwidth : 18.86MHz

Occupied Channel Bandwidth 2: 36.65MHz

NOTE: Add more lines if more channel bandwidths are supported.

k) Type of Equipment (stand-alone, combined, plug-in radio device, etc.):

■Stand-alone

□Combined Equipment (Equipment where the radio part is fully integrated within another type of equipment)

□Plug-in radio device (Equipment intended for a variety of host systems)

Other.

l) The extreme operating conditions that apply to the equipment:

Operating temperature range:-20° C to 55° C

Operating voltage range: 220V ☑AC ☐DC

Details provided are for the: ■stand-alone equipment

□combined (or host) equipment

□test jig

m) The intended combination(s) of the radio equipment power settings and one or more antenna assemblies and their corresponding e.i.r.p levels:

• Antenna Type

■Extegral Antenna

Antenna Gain: 3dBi

If applicable, additional beamforming gain (excluding basic antenna gain): dB

□Temporary RF connector provided

□No temporary RF connector provided

□Dedicated Antennas (equipment with antenna connector)

□Single power level with corresponding antenna(s)

□Multiple power settings and corresponding antenna(s)

Number of different Power Levels: .

Power Level 1: ..... dBm

Power Level 2: ..... dBm

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Power Level 3: ..... dBm

NOTE 1: Add more lines in case the equipment has more power levels.

NOTE 2: These power levels are conducted power levels (at antenna connector).

n) The nominal voltages of the stand-alone radio equipment or the nominal voltages of the combined (host) equipment or test jig in case of plug-in devices:

Details provided are for the: ■stand-alone equipment

□combined (or host) equipment

□test jig

Supply Voltage ☑AC mains State AC voltage …220V

☐ DC State DC voltage :

In case of DC, indicate the type of power source

□Internal Power Supply

□External Power Supply or AC/DC adapter

☐Battery:

□Other:

o) Describe the test modes available which can facilitate testing:

The EUT can be into the Engineer mode for testing.

p) The equipment type (e.g. Bluetooth®, IEEE 802.11™ [i.3], proprietary, etc.):

WIFI

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Description Of Test Conditions

(1) EUT was tested in normal configuration (Please See following Block diagram)

1. Block diagram of EUT configuration
EUT

Test Conditions and Channel

	Normal Test Conditions	Extreme Test Conditions
Temperature	15°C - 35°C	-20°C ~ 55°C Note: (1)
Relative Humidity	20% - 75%	N/A
Supply Voltage	220Vac	N/A

WLAN		
Test Channel	EUT Channel(20MHz)	Test Frequency (MHz)
lowest	CH01	2415
middle	CH07	2441
highest	CH13	2478

WLAN		
Test Channel	EUT Channel(40MHz)	Test Frequency (MHz)
lowest	CH01	2423
middle	CH05	2442
highest	CH09	2465

Note:

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

(1) For tests at extreme temperatures, measurements shall be made in accordance with the procedures specified in clause 5.3.4.3, at the upper and lower temperatures of the range as follow: temperature: -20°C to +55°C;

Where the manufacture's stated operating range does not include the range of -20°C to +55°C, the equipment shall be tested over the following temperature ranges:

a) 0°C to +35°C for equipment intended for indoor use only, or intended for use in areas where the temperature is controlled within this range;
b) over the extremes of the operating temperature range(s) of the stated combination(s) or host equipment(s) in case of plug-in radio devices.

(2) For the Leclanché or lithium type battery: 0.85 times the nominal voltage of the battery; for the mercury or nickel-cadmium type of battery: 0.9 times the nominal voltage of the battery.
In both cases, the upper extreme test voltage shall be 1.15 times the nominal voltage of the battery.

(3) The measurements are performed at the highest, middle, lowest available channels.

(4) The measurements are performed at worst mode for 1Mbps and 3Mbps.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

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	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Vending machine	N/A	XHJ	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in m in 『Length』 column.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

1.1. Equipments List For All Test Items

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Spectrum Analyzer	R&S	FSP_40	100129	Jul. 5, 2025	Jul. 5, 2026
2	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Jul. 5, 2025	Jul. 5, 2026
3	Microflex Cable	United Microwave	57793	1m	Jul. 5, 2025	Jul. 5, 2026
4	Microflex Cable	United Microwave	A30A30-5006	10M	Jul. 5, 2025	Jul. 5, 2026
5	Horn Antenna	EMCO	3115	9605-4803	Aug. 11, 2025	Aug. 11, 2026
6	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Aug. 11, 2025	Aug. 11, 2026
7	Log-Bicon Antenna	MESS-ELEKTRONIK	VULB 9160	3058	Aug. 11, 2025	Aug. 11, 2026
8	Test Cable	N/A	10M_OS02	N/A	Jul. 5, 2025	Jul. 5, 2026
9	Test Cable	N/A	OS02-1/-2/-3	N/A	Jul. 5, 2025	Jul. 5, 2026
10	Pre-Amplifier	Anritsu	MH648A	M09961	Jul. 5, 2025	Jul. 5, 2026
11	Temperature & Humitidy Chamber	GIANT FORCE	GTH-056P	GF-94454-1	Jul. 5, 2025	Jul. 5, 2026
12	Signal Generator	R&S	SMT 06	832080/007	Jul. 5, 2025	Jul. 5, 2026
13	Power Metter	ANRITSU	ML2487A	6K00001568	Jul. 5, 2025	Jul. 5, 2026
14	Power Sensor (AV)	ANRITSU	ML2491A	030989	Jul. 5, 2025	Jul. 5, 2026
15	vector Signal Generator	Agilent	E4438C	MY49070163	Jul. 5, 2025	Jul. 5, 2026
16	splitter	Mini-Circuits	ZAP-50W	NN256400424	Jul. 5, 2025	Jul. 5, 2026
17	Directional Coupler	Agilent	87300C	MY44300299	Jul. 5, 2025	Jul. 5, 2026
18	vector Signal Generator	Agilent	E4438C	US44271917	Jul. 5, 2025	Jul. 5, 2026
19	X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54080020	Jul. 5, 2025	Jul. 5, 2026

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

20	X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54110001	Jul. 5, 2025	Jul. 5, 2026
21	X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY53480008	Jul. 5, 2025	Jul. 5, 2026
22	X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54080019	Jul. 5, 2025	Jul. 5, 2026
23	4 Ch.Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U4.261A	TW54063507	Jul. 5, 2025	Jul. 5, 2026
24	4 Ch.Simultaneous Sampling 14 Bits 2 MS/s	Agilent	U4.261A	TW54063513	Jul. 5, 2025	Jul. 5, 2026
25	splitter	Mini	PS3-7	4463	Jul. 5, 2025	Jul. 5, 2026
26	Signal Analyzer	Agilent	N9010A	MY48030494	Jul. 5, 2025	Jul. 5, 2026

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

RF output power

Limit

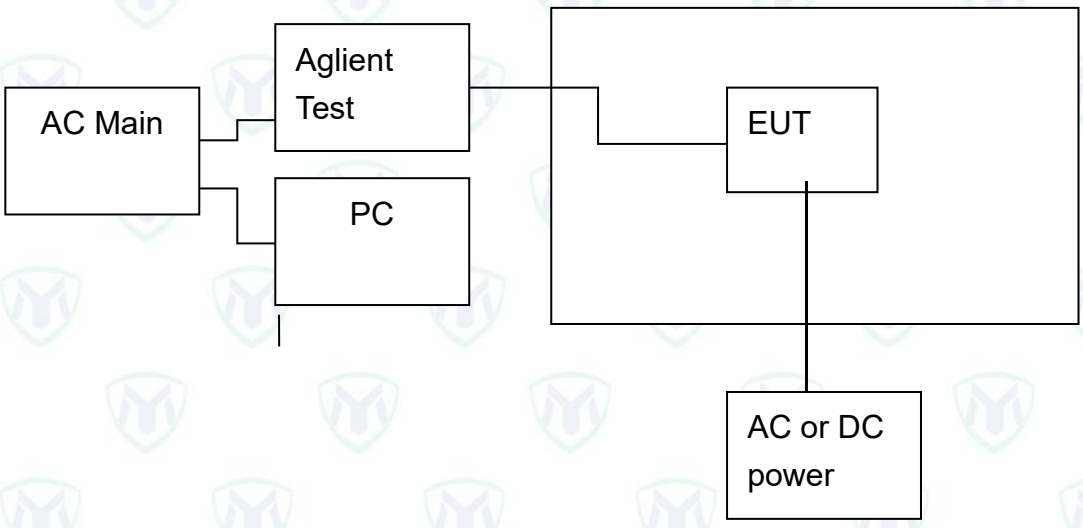
For adaptive equipment using wide band modulations other than FHSS, the maximum RF output power shall be 20 dBm.

The maximum RF output power for non-adaptive equipment shall be declared by the supplier and shall not exceed 20 dBm. See clause 5.3.1 m). For non-adaptive equipment using wide band modulations other than FHSS, the maximum RF output power shall be equal to or less than the value declared by the supplier.

This limit shall apply for any combination of power level and intended antenna assembly.

Limit
20dBm

1.2. Test Setup



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Procedure

Refer to ETSI EN 300 328 V2.2.0 (2017-11) Clause 5.3.2.2

Test Result

EUT:	Vending machine	Model Name :	XHJ
Temperature:	25°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	See below
Test Mode :	XHJ		

TEST CONDITIONS				EIRP Power (dBm)		
				CH1	CH7	CH13
T nom (°C)	25.00	V nom (V)	9.0	8.62	8.64	8.60
T min (°C)	-10.00	V max (V)	9.9	8.09	8.25	8.35
		V min (V)	8.1	8.02	8.29	8.32
T max (°C)	55.00	V max (V)	9.9	8.15	8.27	8.31
		V min (V)	8.1	8.16	8.29	8.34
Max Peak Power				8.64		
Limits				20dBm (-10dBW)		
Result				**Complies**		

EUT:	Vending machine	Model Name :	XHJ
Temperature:	25°C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	See below
Test Mode :	XHJ		

TEST CONDITIONS				EIRP Power (dBm)		
				CH3	CH7	CH11
T nom (°C)	25.00	V nom (V)	9.0	7.96	7.81	7.96
T min (°C)	-10.00	V max (V)	9.9	7.72	7.74	7.86
		V min (V)	8.1	7.85	7.78	7.78
T max (°C)	55.00	V max (V)	9.9	7.82	7.76	7.76
		V min (V)	8.1	7.71	7.65	7.65
Max Peak Power				7.96		
Limits				20dBm (-10dBW)		
Result				**Complies**		

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

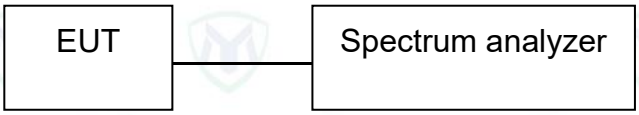
Power Spectral Density

Limit

For equipment using wide band modulations other than FHSS, the maximum Power Spectral Density is limited to 10 dBm per MHz.

Limit
10dBm/MHz

Test Setup



Test Procedure

Refer to ETSI EN 300 328 V2.2.0 (2017-11) Clause 5.3.3

Connect the UUT to the spectrum analyzer and use the following settings:

Frequency range	2400MHz-2483.5MHz
RBW/VBW	10KHz/30KHz
Sweep points/time	>8350 / Auto
Detector	RMS
Trace	Max hold

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Result

XHJ						
TEST CONDITIONS				EIRP Spectral Power Density (dBm/MHz)		
				CH 1	CH 7	CH 13
T nom (°C)	25.00	V nom (V)	9.0	0.17	0.13	0.08
Limits				10 mW/MHz		
Result				**Complies**		

XHJ						
TEST CONDITIONS				EIRP Spectral Power Density (dBm/MHz)		
				CH 1	CH 7	CH 13
T nom (°C)	25.00	V nom (V)	9.0	-0.81	-0.91	-0.83
Limits				10 mW/MHz		
Result				**Complies**		

XHJ						
TEST CONDITIONS				EIRP Spectral Power Density (dBm/MHz)		
				CH 1	CH 7	CH 13
T nom (°C)	25.00	V nom (V)	9.0	-2.64	-2.53	-2.62
Limits				10 mW/MHz		
Result				**Complies**		

XHJ						
TEST CONDITIONS				EIRP Spectral Power Density (dBm/MHz)		
				CH 3	CH 7	CH 11
T nom (°C)	25.00	V nom (V)	9.0	-4.24	-4.15	-4.24
Limits				10 mW/MHz		
Result				**Complies**		

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

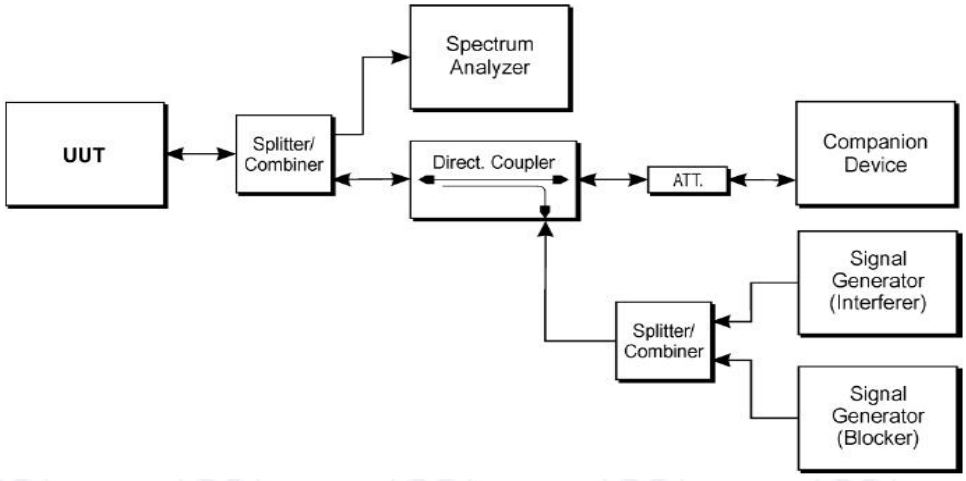
. Adaptivity

Limit

The frequency range of the equipment is determined by the lowest and highest

Non-LBT based Detect and Avoid: 1 The frequency shall remain unavailable for a minimum time equal to 1 second after which the channel maybe considered again as an 'available' channel; 2 COT ≤ 40 ms; 3 Idle Period = 5% of COT; 4 Detection threshold level = -70dBm/MHz + 20 – Pout E.I.R.P (Pout in dBm);
LBT based Detect and Avoid (Frame Based Equipment): 1 Minimum Clear Channel Assessment (CCA) time = 20 us; 2 CCA observation time declared by the supplier; 3 COT = 1~10 ms; 4 Idle Period = 5% of COT; 5 Detection threshold level = -70dBm/MHz + 20 – Pout E.I.R.P (Pout in dBm);
LBT based Detect and Avoid (Load Based Equipment): 1 Minimum Clear Channel Assessment (CCA) time = 20 us; 2 CCA declared by the manufacturer; 3 COT ≤ (13 / 32) * q ms; q = [4~32]; 1.625ms~13ms; 4 Detection threshold level = -73dBm/MHz + 20 – Pout E.I.R.P (dBm);
Short Control Signalling Transmissions: Short Control Signalling Transmissions shall have a maximum duty cycle of 10% within an observation period of 50ms.

Test Setup



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Procedure

Refer to ETSI EN 300 328 V2.2.0 (2017-11) Clause 5.3.7.

Step 1:

The UUT may connect to a companion device during the test. The interference signal generator, the blocking signal generator, the spectrum analyser, the UUT and the companion device are connected using a set-up equivalent to the example given by figure 5 although the interference and blocking signal generator do not generate any signals at this point in time. The spectrum analyser is used to monitor the transmissions of the UUT in response to the interfering and the blocking signals.

Adjust the received signal level (wanted signal from the companion device) at the UUT to the value defined in table 6

The analyzer shall be set as follows:

- RBW: ≥ Occupied Channel Bandwidth (if the analyser does not support this setting, the highest available setting shall be used)
- VBW: 3 × RBW (if the analyser does not support this setting, the highest available setting shall be used)
- Detector Mode: RMS
- Centre Frequency: Equal to the centre frequency of the operating channel
- Span: 0 Hz
- Sweep time: > Channel Occupancy Time of the UUT
- Trace Mode: Clear/Write
- Trigger Mode: Video

Step 2:

Configure the UUT for normal transmissions with a sufficiently high payload to allow demonstration of compliance of the adaptive mechanism on the channel being tested

Using the procedure defined in clause 5.3.7.2.1.4, it shall be verified that the UUT complies with the maximum Channel Occupancy Time and minimum Idle Period

Step 3: Adding the interference signal

A 100 % duty cycle interference signal is injected on the current operating channel of the UUT. This interference signal shall be a band limited noise signal which has a flat power spectral density, and shall have a bandwidth greater than the Occupied Channel Bandwidth of the UUT. The maximum ripple of this interfering signal shall be ±1,5 dB within the Occupied Channel Bandwidth and the power spectral density.

Step 4: Verification of reaction to the interference signal

The spectrum analyser shall be used to monitor the transmissions of the UUT on the selected operating channel with the interfering signal injected. This may require the spectrum analyser sweep to be triggered by the start of the interfering signal.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Using the procedure defined in clause 5.3.7.2.1.4, it shall be verified that:
The UUT shall stop transmissions on the current operating channel being tested.
Apart from Short Control Signalling Transmissions (see iii) below), there shall be no subsequent transmissions on this operating channel for a (silent) period defined in clause 4.3.2.5.1.2 step 2. After that, the UUT may have normal transmissions again for the duration of a single Channel Occupancy Time period. Because the interference signal is still present, another silent period as defined in clause 4.3.2.5.1.2 step 2 needs to be included. This sequence is repeated as long as the interfering signal is present.
The UUT may continue to have Short Control Signalling Transmissions on the operating channel while the interference signal is present. These transmissions shall comply with the limits
Alternatively, the equipment may switch to a non-adaptive mode

Step 5: Adding the blocking signal

With the interfering signal present, a 100 % duty cycle CW signal is inserted as the blocking signal
Repeat step 4 to verify that the UUT does not resume any normal transmissions

Step 6: Removing the interference and blocking signal

On removal of the interference and blocking signal the UUT is allowed to start transmissions again on this channel however, it shall be verified that this shall only be done after the period defined in clause 4.3.2.5.1.2 step 2.

Step 7:

The steps 2 to 6 shall be repeated for each of the frequencies to be tested.

Test Result

Test mode	Stop time after interfering signal(ms)	
Channel	Low	High
802.11b mode	173.74	178.67
802.11g mode	208.55	167.76
802.11n HT20 mode	208.66	167.66
802.11n HT40 mode	186.55	217.44
Remark: 1: Short Control Signalling Transmissions of adaptive equipment using wide band modulations other than FHSS shall have a maximum duty cycle of 10 % within an observation period of 50 ms.		

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Short Control Signalling Transmissions						
Test mode	Channel	Channel occupancy time (ms)	Idle time (ms)	Pulse width (ms)	Maximum duty cycle(%)	Conclusion
802.11b mode	Low	1.53	0.05	1.41	2.81	Pass
	High	1.42	0.10	1.42	2.81	Pass
802.11g mode	Low	1.22	0.050	1.225	2.450	Pass
	High	1.23	0.050	1.225	2.450	Pass
802.11n HT20 mode	Low	1.22	0.050	1.225	2.450	Pass
	High	1.25	0.050	1.225	2.450	Pass
802.11n HT40 mode	Low	1.72	0.050	1.649	3.298	Pass
	High	1.64	0.050	1.649	3.298	Pass

Note:

1.Channel occupancy time must between on 1.65ms to 13.25ms

2. Idle time must longer than 20us.

3. Duty cycle=Pusle time/50ms.

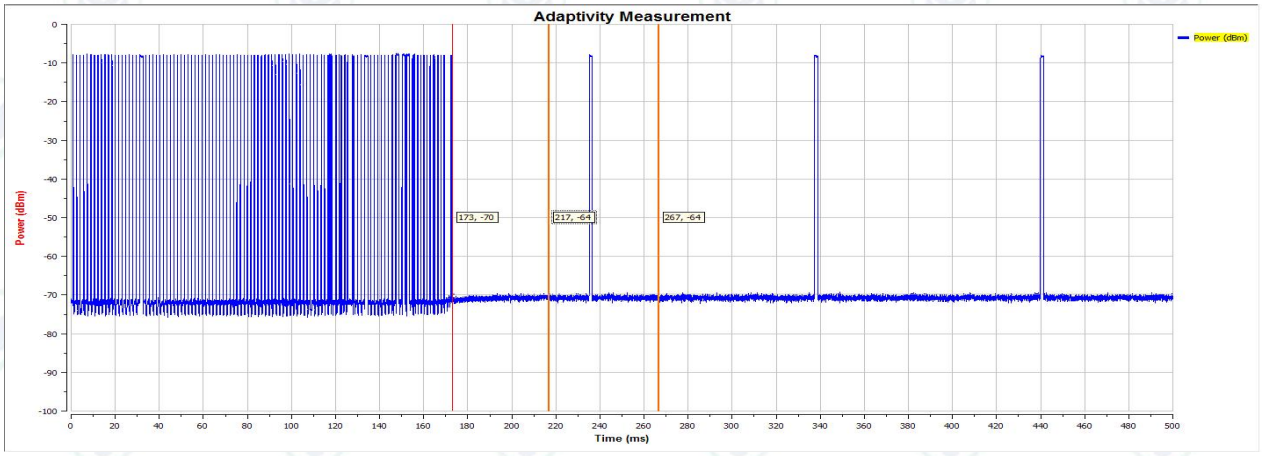
4. Short Control Signalling Transmissions of adaptive equipment using wide band modulations other than FHSS shall have a maximum duty cycle of 10 % within an observation period of 50 ms.

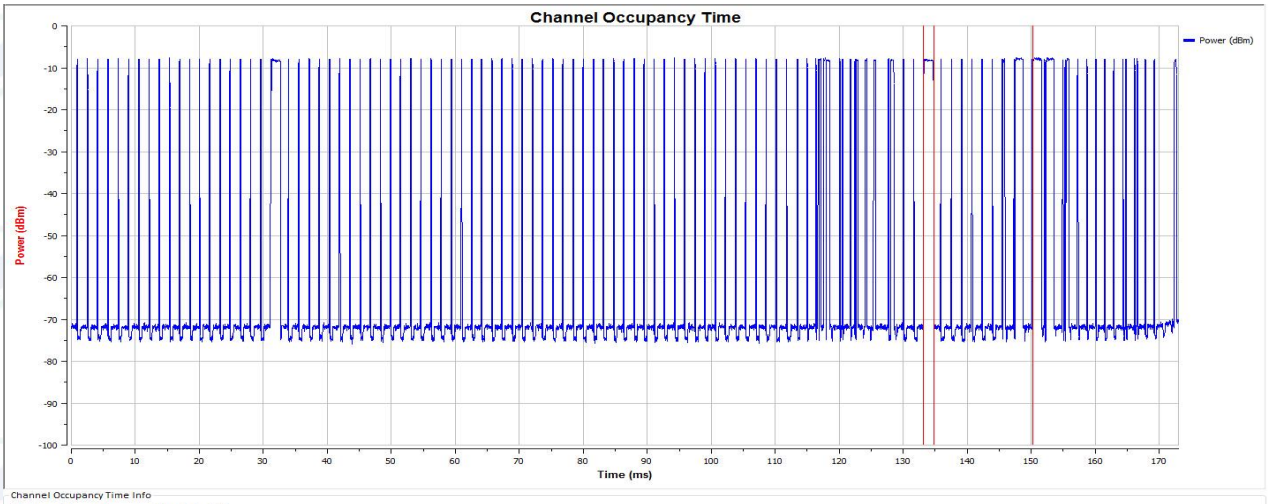
5: The 802.11g/n20/n40 mode, EIRP is less than 10dBm, so the test not applicable.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 b Low channel	
AWGN Interference Level (dBm)	-64.35
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	173.34
Blocking Interference Start Time(ms)	223.26
Suggest q Level	4
Max COT (ms)	1.52
Idle Time (ms)	0.050
Pulse width (ms)	1.43
Duty Cycle (%)	2.80

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

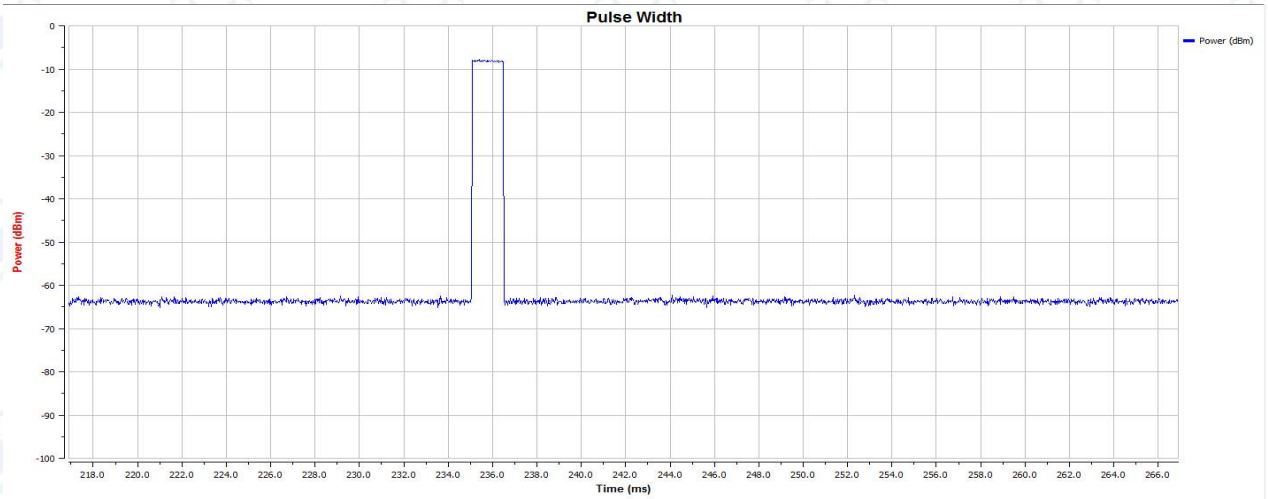




Channel Occupancy Time Info
Maximum Channel Occupancy Time (ms) : 1.55
Minimum Channel Occupancy Time (ms) : 0.00
*COT Time must between on 1.625ms to 13ms
Idel Time (us) : 50.00
*Idle Time must longer than 20us

Suggested q Number : 4

Idel Time / Max COT (%) : 3.23



Pulse Width Info

T1 (ms) : 216.91

T2 (ms) : 266.91

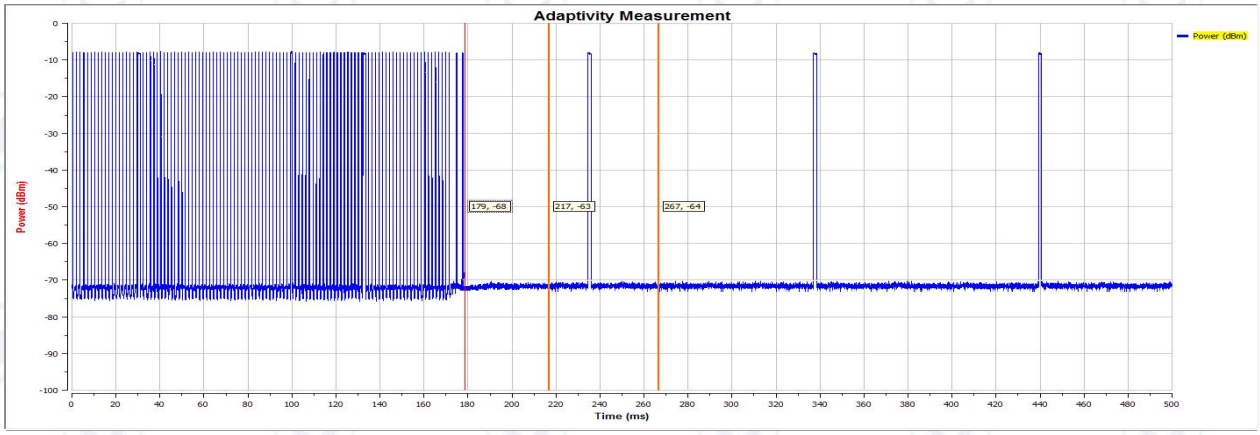
Pulse Width (ms) : 1.42500305175781

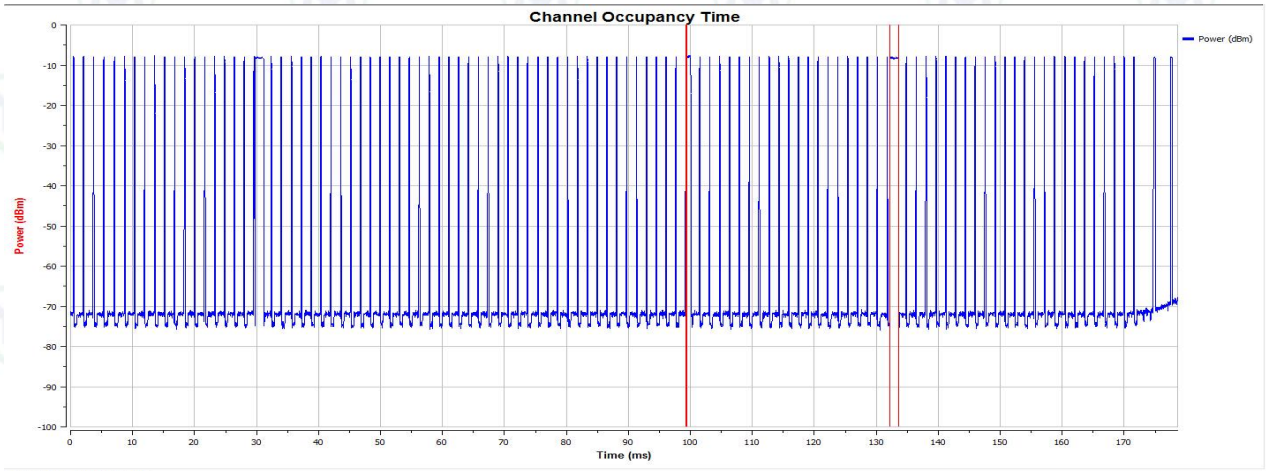
Duty Cycle (%) : 2.85000610351563

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 b High channel	
AWGN Interference Level (dBm)	-64.46
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	178.45
Blocking Interference Start Time(ms)	228.43
Suggest q Level	3
Max COT (ms)	1.2
Idle Time (ms)	0.10
Pulse width (ms)	1.32
Duty Cycle (%)	2.80

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

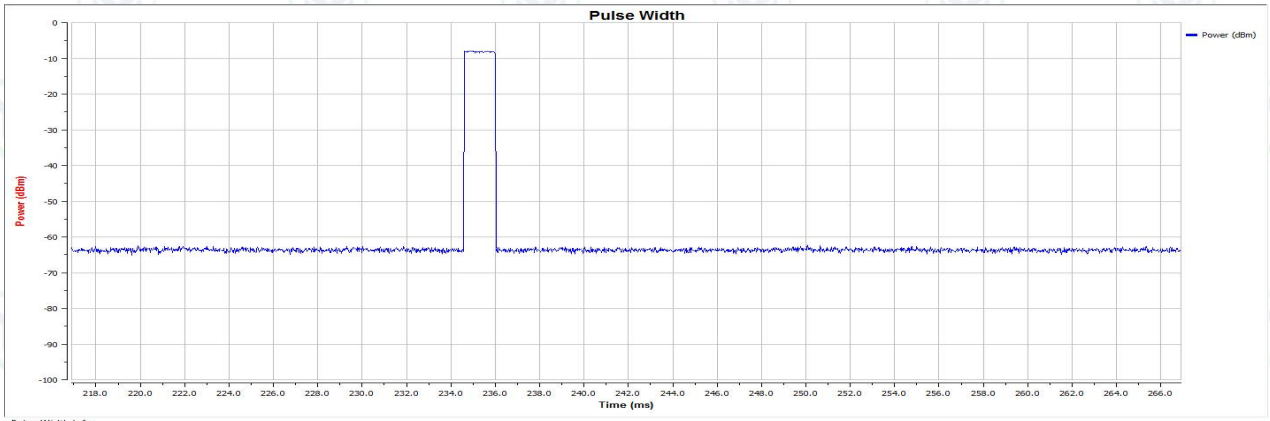




Channel Occupancy Time Info
Maximum Channel Occupancy Time (ms) : 1.40
Minimum Channel Occupancy Time (ms) : 0.00
*COT Time must between on 1.625ms to 13ms
Idel Time (us) : 100.00
*Idle Time must longer than 20us

Suggested q Number : 3

Idel Time / Max COT (%) : 7.14



Pulse Width Info
T1 (ms) : 216.91
T2 (ms) : 266.91

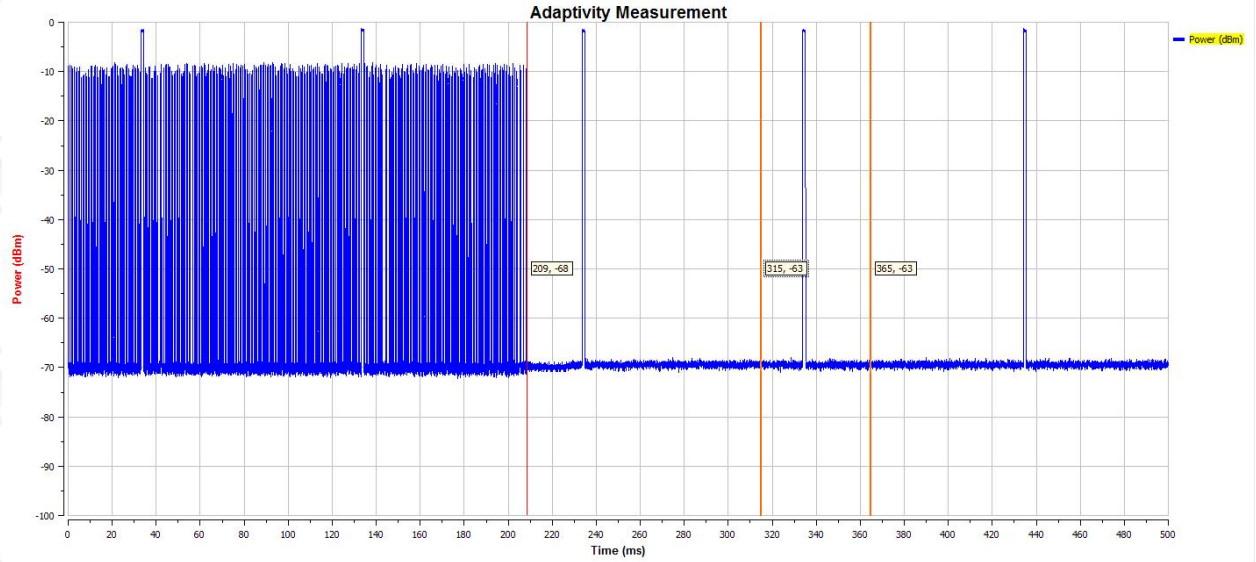
Pulse Width (ms) : 1.39999389648438

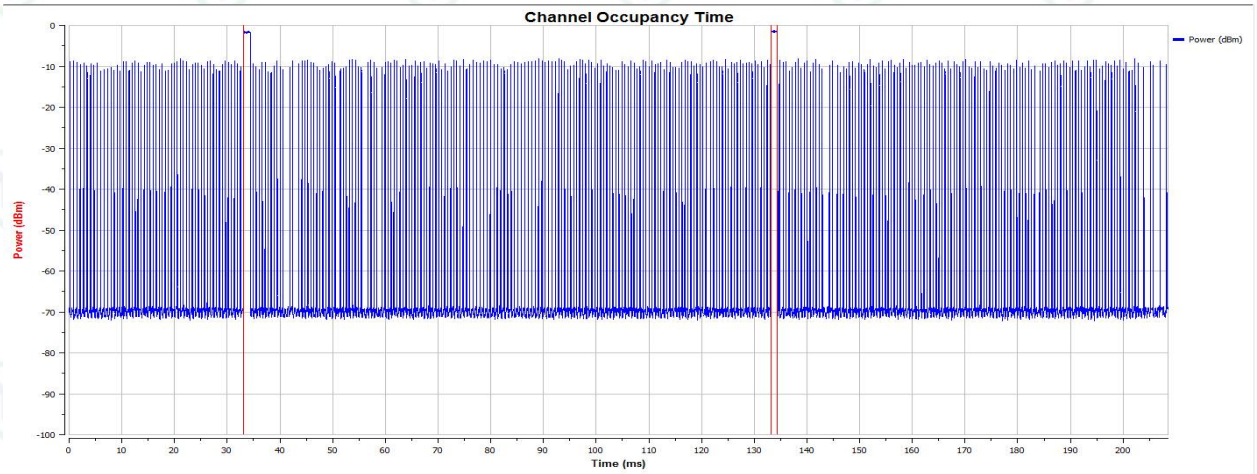
Duty Cycle (%) : 2.79998779296875

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11g Low channel	
AWGN Interference Level (dBm)	-64.54
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	208.37
Blocking Interference Start Time(ms)	258.65
Suggest q Level	3
Max COT (ms)	1.22
Idle Time (ms)	0.050
Pulse width (ms)	1.223
Duty Cycle (%)	2.454

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

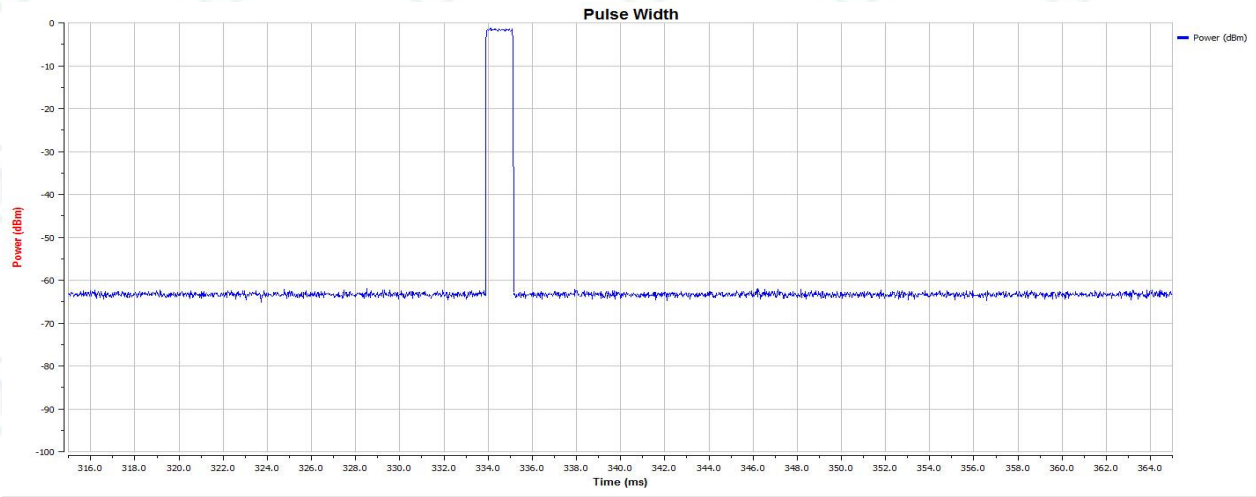




Channel Occupancy Time Info
Maximum Channel Occupancy Time (ms) : 1.23
Minimum Channel Occupancy Time (ms) : 0.00
*COT Time must between on 1.625ms to 13ms
Idel Time (us) : 50.00
*Idle Time must longer than 20us

Suggested q Number : 3

Idel Time / Max COT (%) : 4.08



Pulse Width Info
T1 (ms) : 314.99
T2 (ms) : 364.99

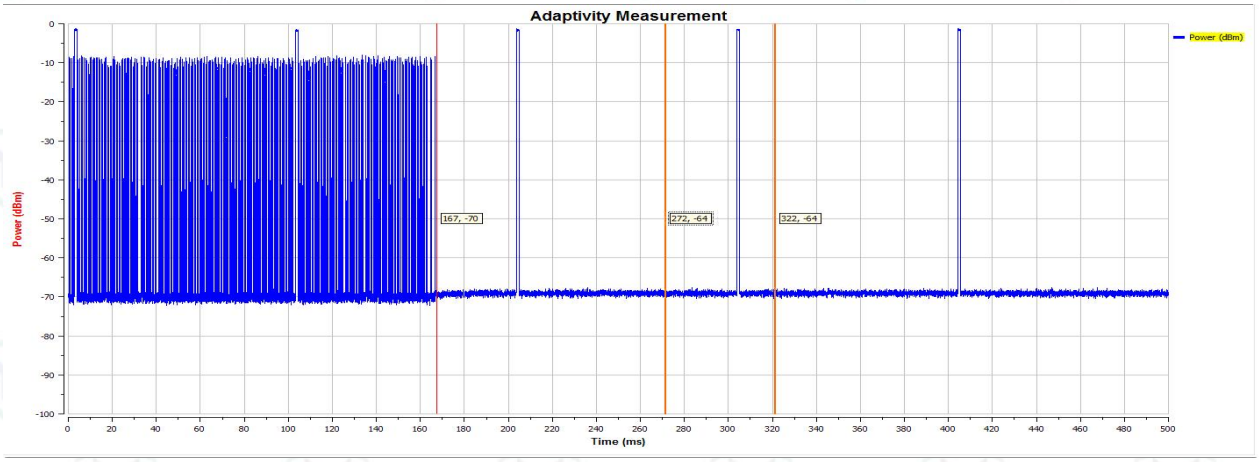
Pulse Width (ms) : 1.22500610351563

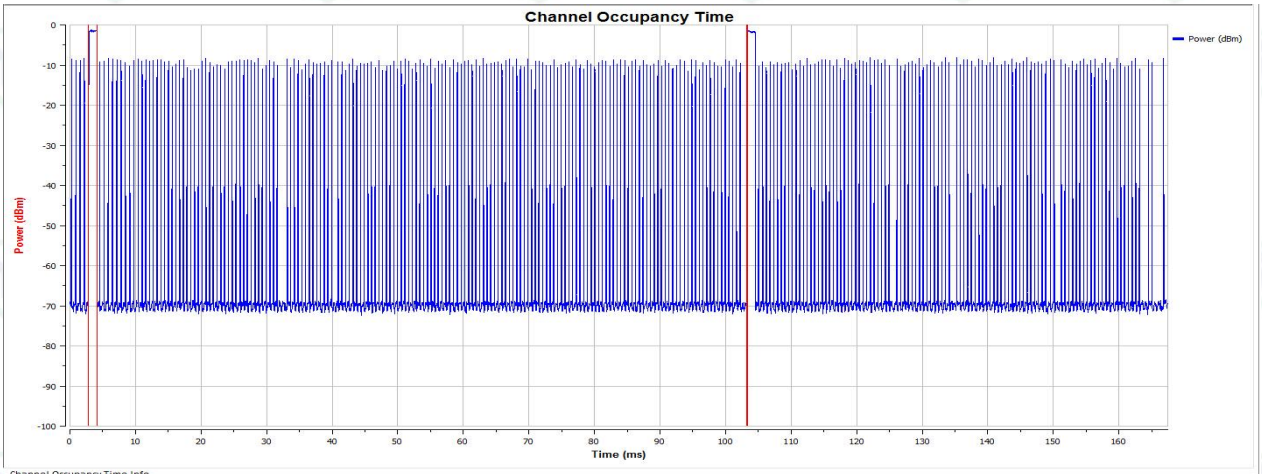
Duty Cycle (%) : 2.45001220703125

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 g High channel	
AWGN Interference Level (dBm)	-63.76
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	167.45
Blocking Interference Start Time(ms)	217.43
Suggest q Level	3
Max COT (ms)	1.34
Idle Time (ms)	0.032
Pulse width (ms)	1.213
Duty Cycle (%)	2.432

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

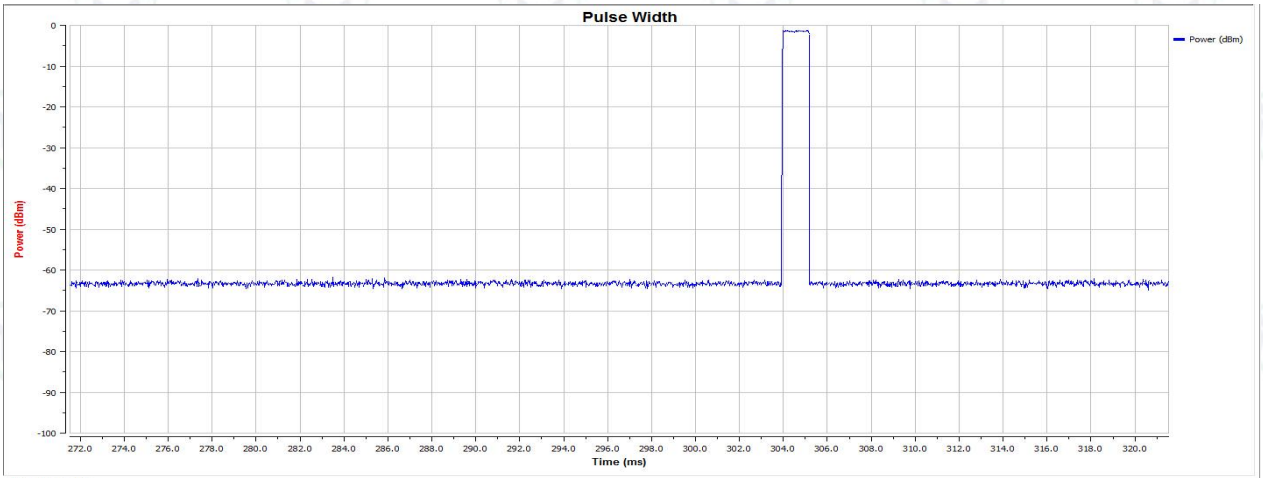




Channel Occupancy Time Info
Maximum Channel Occupancy Time (ms) : 1.27
Minimum Channel Occupancy Time (ms) : 0.00
*COT Time must between on 1.625ms to 13ms
Idel Time (us) : 50.00
*Idle Time must longer than 20us

Suggested q Number : 3

Idel Time / Max COT (%) : 3.92



Pulse Width Info
T1 (ms) : 271.53
T2 (ms) : 321.53

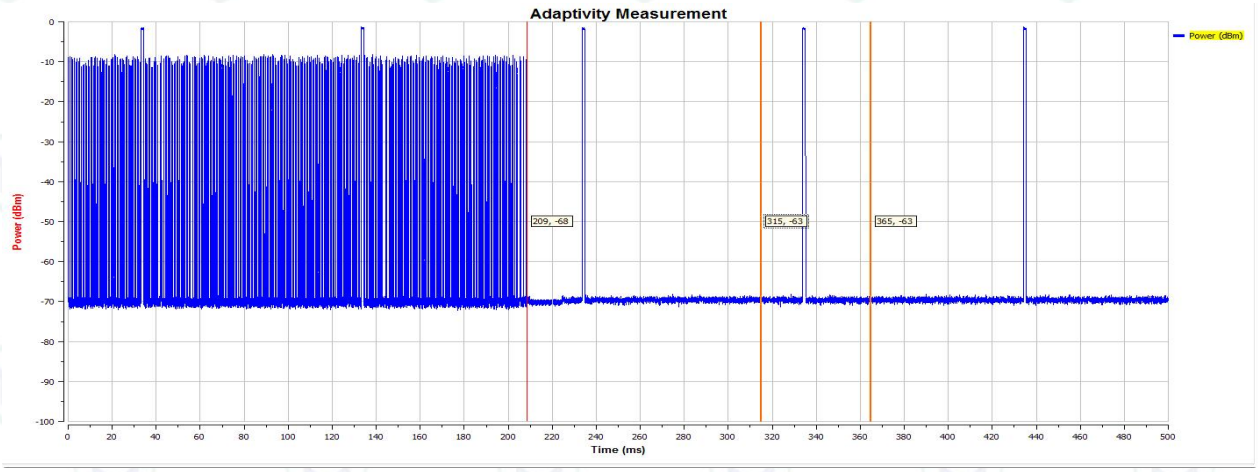
Pulse Width (ms) : 1.22500610351563

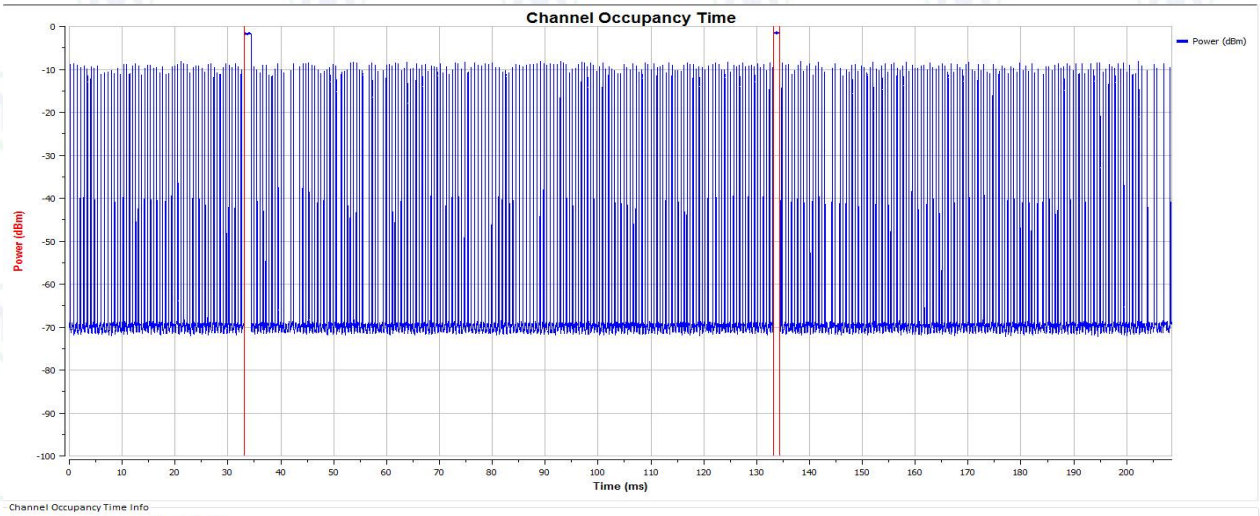
Duty Cycle (%) : 2.45001220703125

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11n/HT20 Low channel	
AWGN Interference Level (dBm)	-62.65
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	208.32
Blocking Interference Start Time(ms)	258.33
Suggest q Level	3
Max COT (ms)	1.21
Idle Time (ms)	0.050
Pulse width (ms)	1.224
Duty Cycle (%)	2.450

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.





Channel Occupancy Time Info

Maximum Channel Occupancy Time (ms) : 1.23

Minimum Channel Occupancy Time (ms) : 0.00

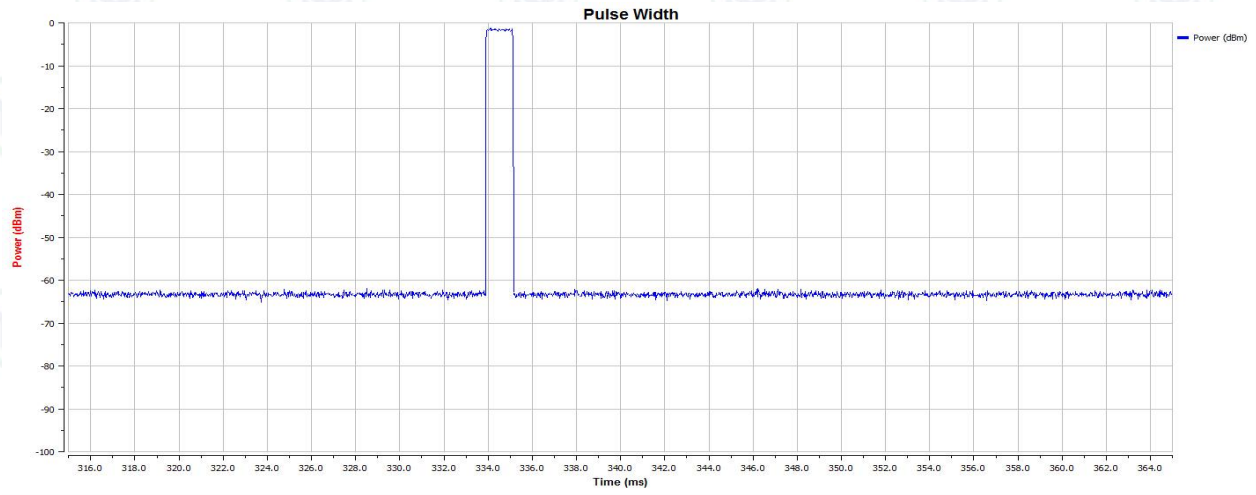
*COT Time must between on 1.625ms to 13ms

Idel Time (us) : 50.00

*Idle Time must longer than 20us

Suggested q Number : 3

Idel Time / Max COT (%) : 4.08



Pulse Width Info

T1 (ms) : 314.99

T2 (ms) : 364.99

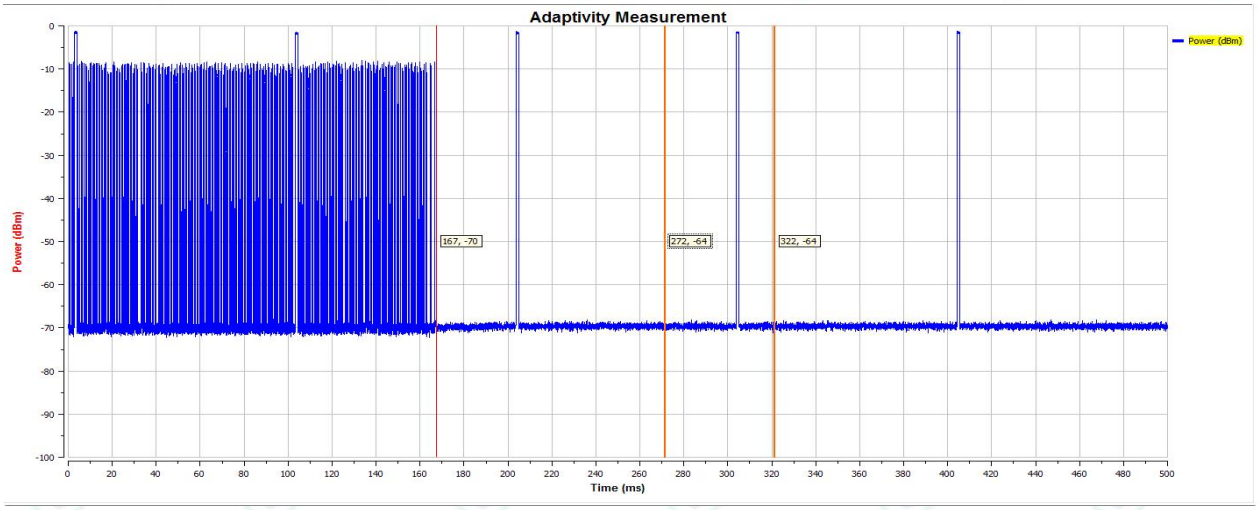
Pulse Width (ms) : 1.2250061035156 3

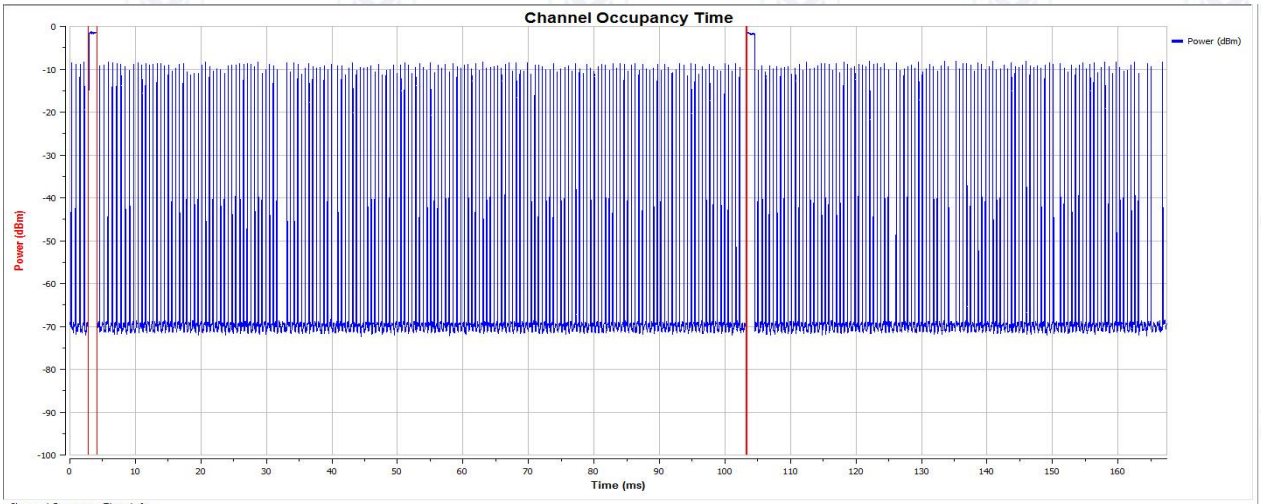
Duty Cycle (%) : 2.45001220703125

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n/HT20 High channel	
AWGN Interference Level (dBm)	-63.57
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	167.43
Blocking Interference Start Time(ms)	217.21
Suggest q Level	3
Max COT (ms)	1.27
Idle Time (ms)	0.050
Pulse width (ms)	1.222
Duty Cycle (%)	2.452

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.





Channel Occupancy Time Info

Maximum Channel Occupancy Time (ms) : 1.27

Minimum Channel Occupancy Time (ms) : 0.00

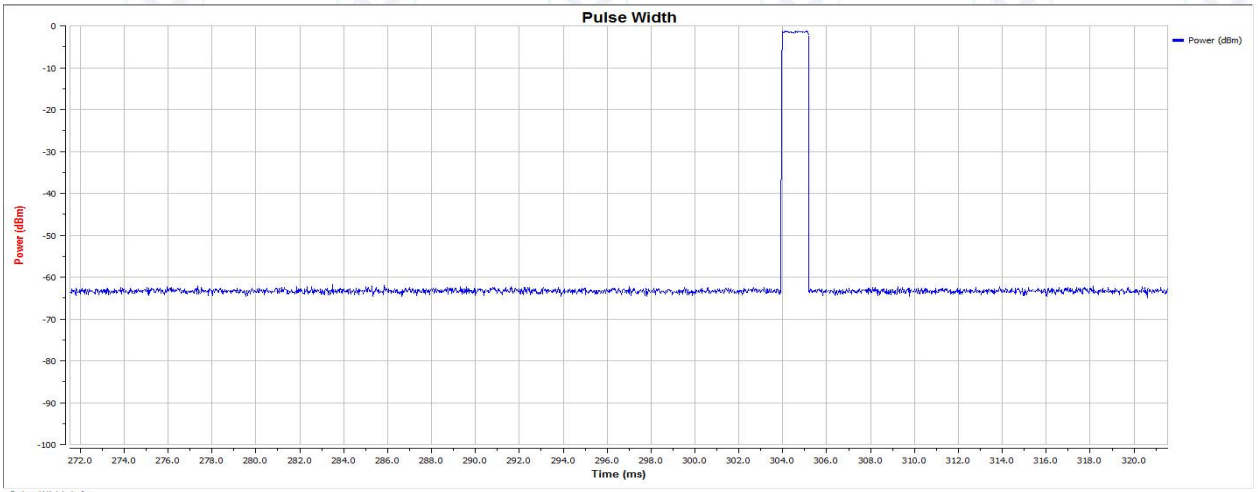
*COT Time must between on 1.625ms to 13ms

Idel Time (us) : 50.00

*Idle Time must longer than 20us

Suggested q Number : 3

Idel Time / Max COT (%) : 3.92



Pulse Width Info

T1 (ms) : 271.53

T2 (ms) : 321.53

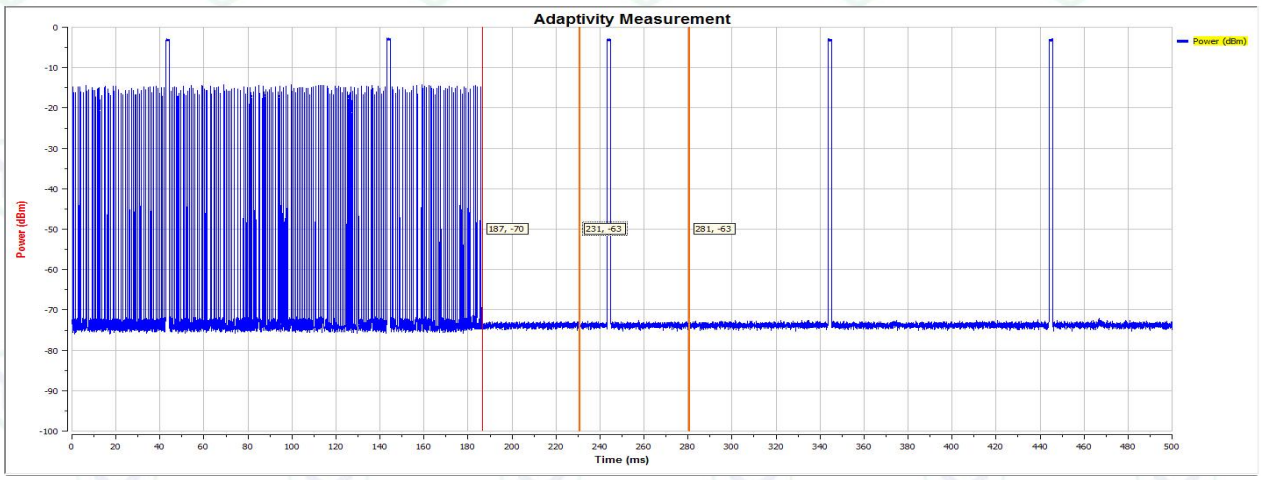
Pulse Width (ms) : 1.22500610351563

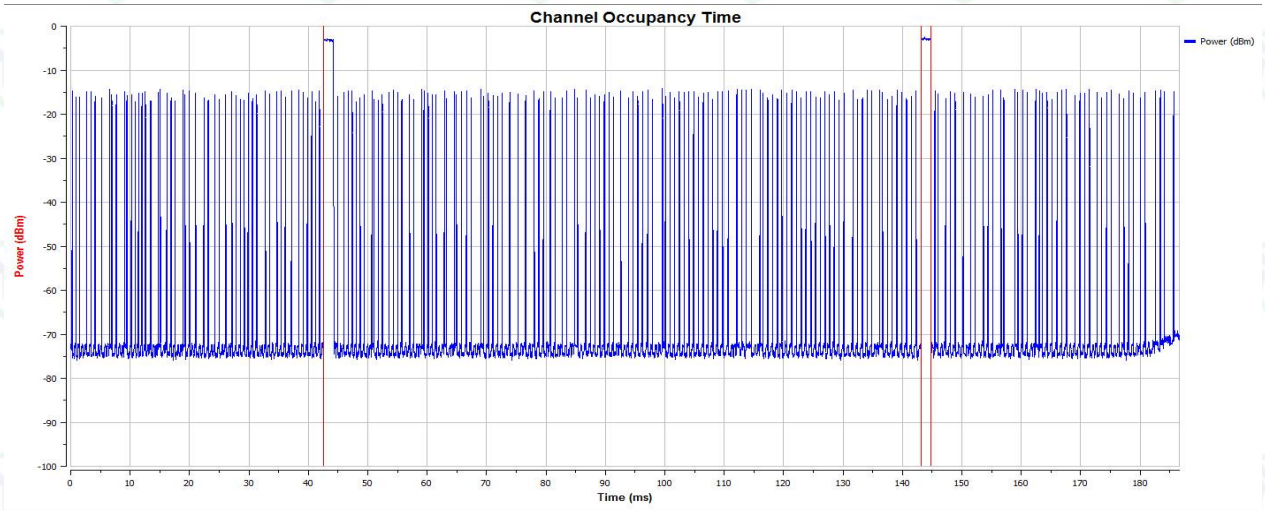
Duty Cycle (%) : 2.45001220703125

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n40 Low channel	
AWGN Interference Level (dBm)	-60.67
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	186.54
Blocking Interference Start Time(ms)	236.68
Suggest q Level	4
Max COT (ms)	1.70
Idle Time (ms)	0.050
Pulse width (ms)	1.623
Duty Cycle (%)	3.243

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

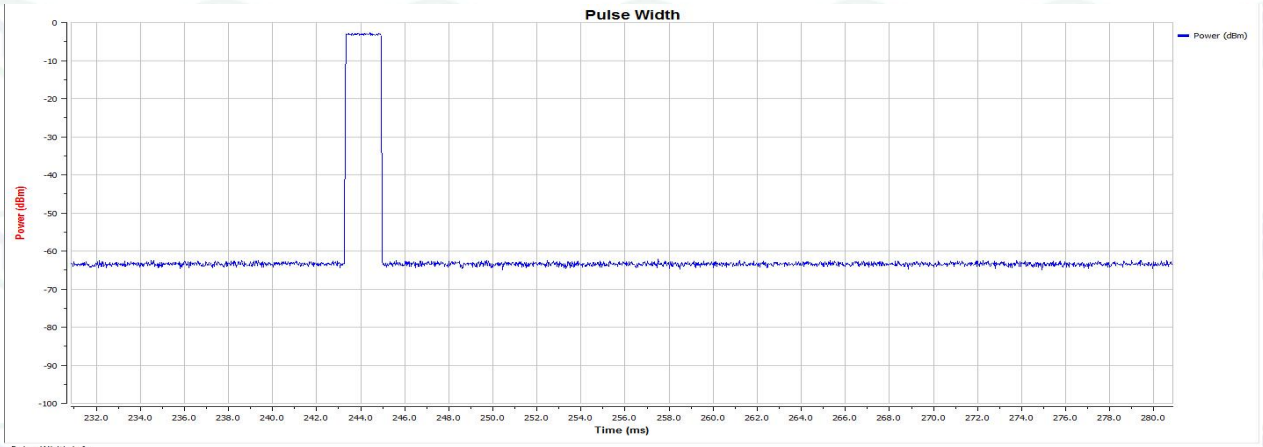




Channel Occupancy Time Info
Maximum Channel Occupancy Time (ms) : 1.70
Minimum Channel Occupancy Time (ms) : 0.00
*COT Time must between on 1.625ms to 13ms
Idel Time (us) : 50.00
*Idle Time must longer than 20us

Suggested q Number : 4

Idel Time / Max COT (%) : 2.94



Pulse Width Info
T1 (ms) : 230.86
T2 (ms) : 280.86

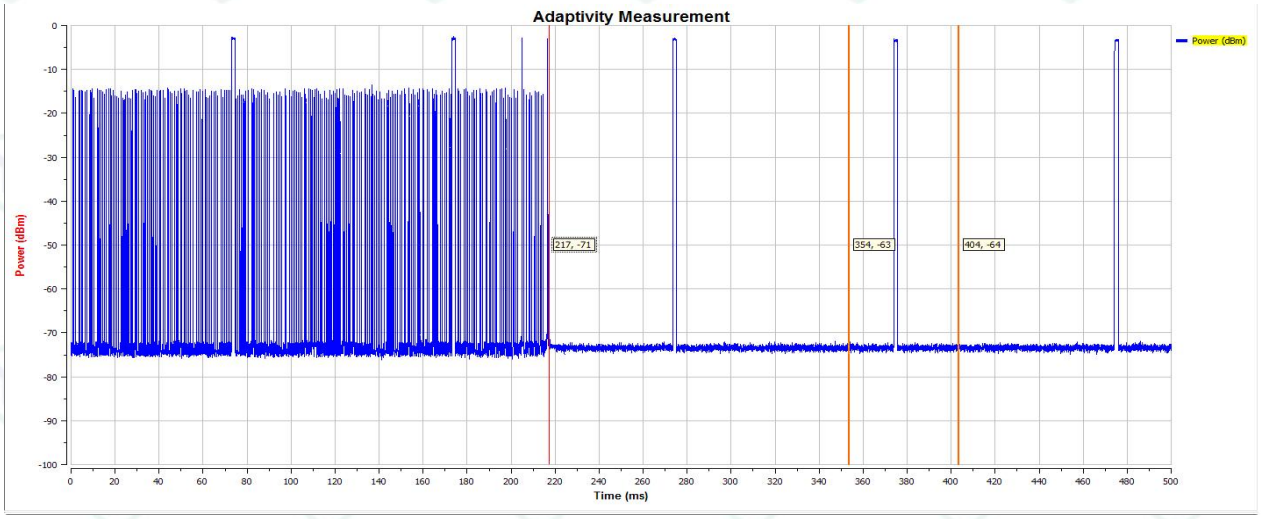
Pulse Width (ms) : 1.64999389648438

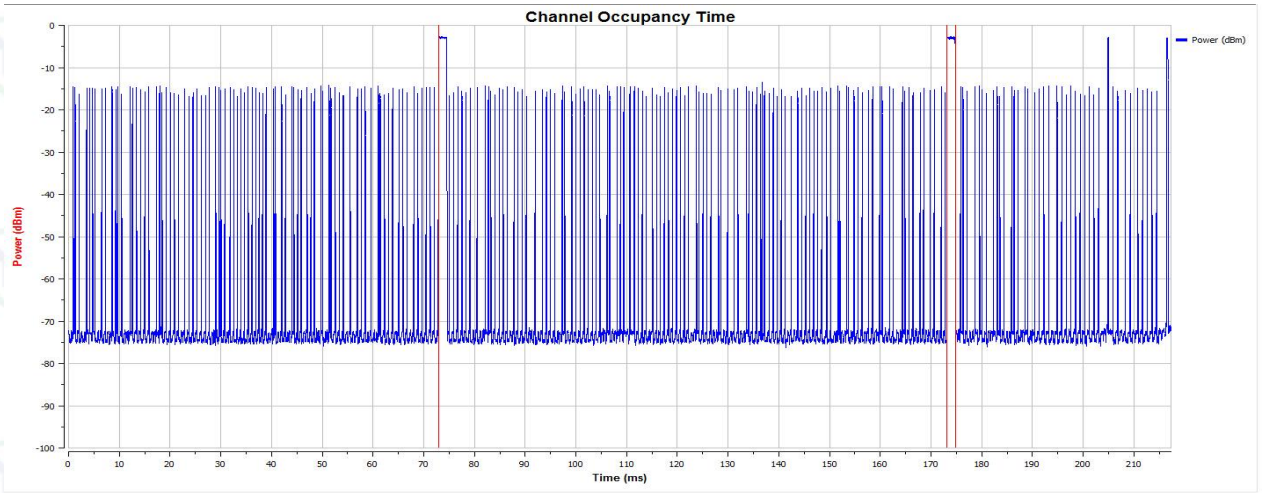
Duty Cycle (%) : 3.29998779296875

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n40 High channel	
AWGN Interference Level (dBm)	-61.76
Blocking Interference Level (dBm)	-30
Interference Start Time (ms)	217.37
Blocking Interference Start Time(ms)	267.58
Suggest q Level	4
Max COT (ms)	1.63
Idle Time (ms)	0.052
Pulse width (ms)	1.643
Duty Cycle (%)	3.291

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.





Channel Occupancy Time Info

Maximum Channel Occupancy Time (ms) : 1.65

Minimum Channel Occupancy Time (ms) : 0.00

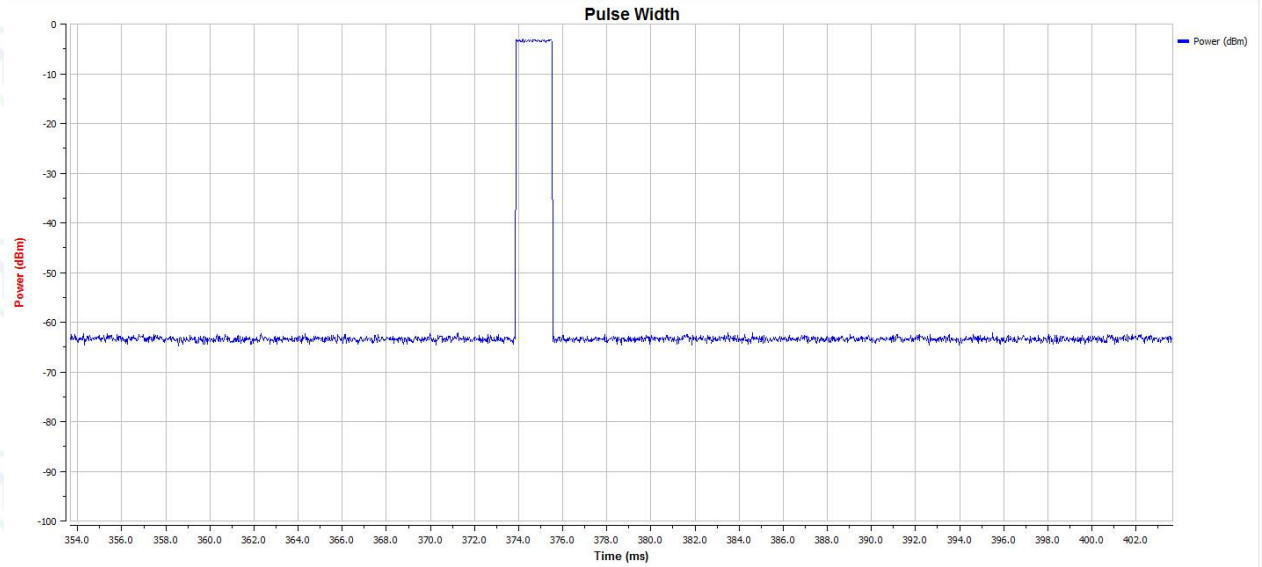
*COT Time must between on 1.625ms to 13ms

Idel Time (us) : 50.00

*Idle Time must longer than 20us

Suggested q Number : 4

Idel Time / Max COT (%) : 3.03



Pulse Width Info

T1 (ms) : 353.67

T2 (ms) : 403.67

Pulse Width (ms) : 1.64999389648438

Duty Cycle (%) : 3.29998779296875

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

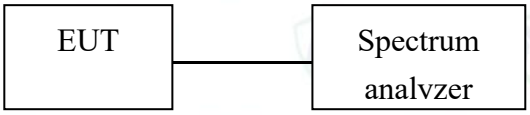
Occupied Channel Bandwidth

Limit

The Occupied Channel Bandwidth shall fall completely within the band given in 2.4GHz to 2.4835GHz.

In addition, for non-adaptive systems using wide band modulations other than FHSS and with e.i.r.p greater than 10 dBm, the occupied channel bandwidth shall be less than 20 MHz.

Test Setup



Test Procedure

Refer to ETSI EN 300 328 V2.2.0 (2017-11) Clause 5.3.8.

Connect the UUT to the spectrum analyzer and use the following settings:

Centre Frequency	The centre frequency of the channel under test
Frequency Span	2 × Occupied Channel Bandwidth (e.g. 40 MHz for a 20 MHz channel)
RBW	~ 1 % of the span without going below 1 % (430 KHz,820KHz)
VBW	3 × RBW (1.2MHz; 2.4MHz)
Detector	RMS
Trace	Max hold

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Result

Frequency Rang			
Test mode	CH	Result	Limit
		MHz	MHz
802.11 B	CH1	2405.65	>2400.0
	CH13	2478.54	<2483.5
802.11 G	CH1	2403.46	>2400.0
	CH13	2480.81	<2483.5
802.11 N20	CH1	2403.65	>2400.0
	CH13	2480.44	<2483.5
802.11 N40	CH3	2403.48	>2400.0
	CH11	2480.67	<2483.5
Test Result: PASS.			

Occupied Bandwidth		
Test mode	Occupied Bandwidth (MHz)	
	Lowest frequency	Highest fequency
802.11 B	14.164	14.556
802.11 G	16.855	16.664
802.11 N20	17.616	17.818
802.11 N40	36.251	36.341
Test Result: PASS.		

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Transmitter unwanted emissions in the out-of-band domain

Limit

The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask in figure 3.

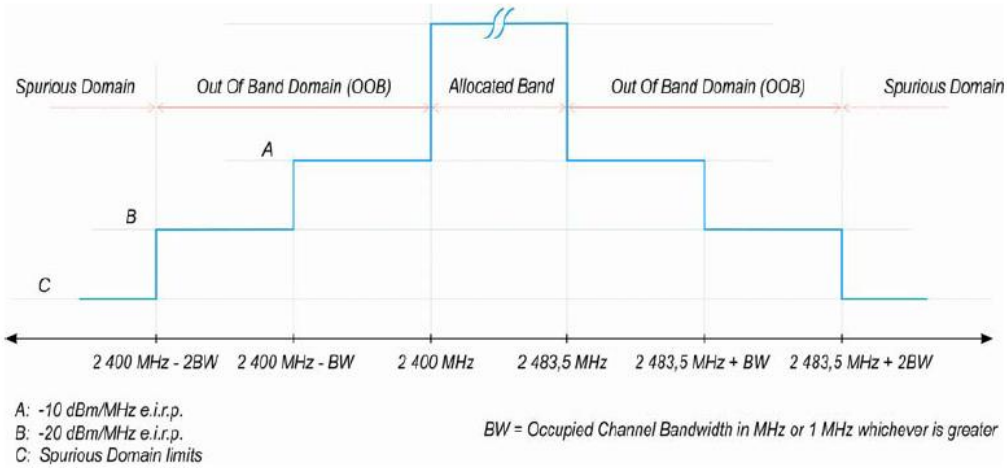
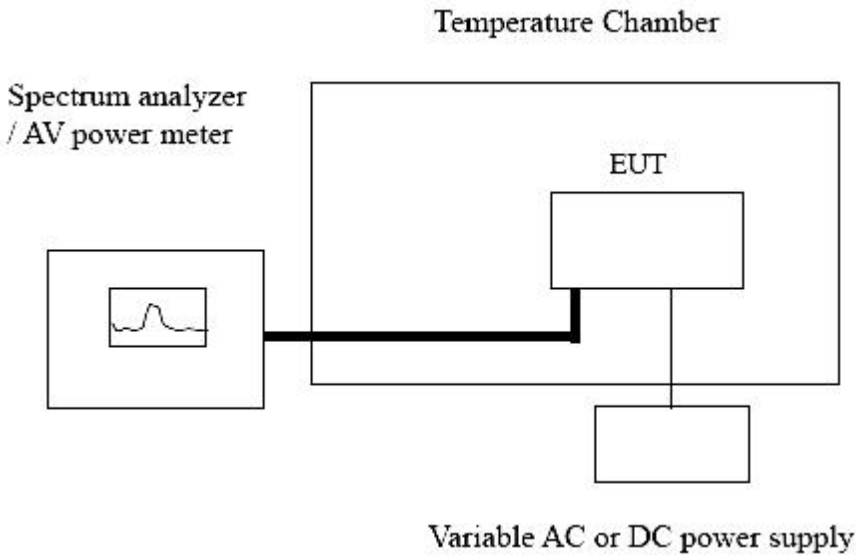


Figure 3: Transmit mask

1.10. Test Setup



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Procedure

Refer to ETSI EN 300 328 V2.2.0 (2017-11) Clause 5.3.9.

Connect the UUT to the spectrum analyzer and use the following settings:

RBW/ VBW	1MHz/3MHz
Span	0Hz
Filter mode	Channel filter
Sweep mode	Continuous
Sweep Points	5000
Detector	RMS
Trace mode	Clear / Write
Trigger Mode	Video trigger

Test Result

Test Condition			Lower Band Edge		Higher Band Edge	
Test Mode	Temp	Voltage	Segment A (dBm/MHz)	Segment B (dBm/MHz)	Segment A (dBm/MHz)	Segment B (dBm/MHz)
802.11 B	Normal	Normal	-30.31	-53.99	-30.60	-30.31
	55℃	9.9	-31.38	-55.11	-31.32	-31.33
	55℃	8.1	-32.66	-55.54	-31.41	-32.61
	-20℃	9.9	-31.81	-56.38	-31.05	-31.77
	-20℃	8.1	-30.64	-56.01	-31.75	-30.60
Limit			-10	-20	-10	-20
Conclusion			PASS			

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Condition			Lower Band Edge		Higher Band Edge	
Test Mode	Temp	Voltage	Segment A (dBm/MHz)	Segment B (dBm/MHz)	Segment A (dBm/MHz)	Segment B (dBm/MHz)
802.11 G	Normal	Normal	-35.76	-50.36	-33.60	-35.77
	55℃	9.9	-36.01	-51.03	-34.13	-35.94
	55℃	8.1	-36.25	-51.65	-34.44	-36.23
	-20℃	9.9	-36.14	-51.34	-34.35	-36.09
	-20℃	8.1	-36.67	-51.08	-34.69	-36.51
Limit			-10	-20	-10	-20
Conclusion			PASS			
Remark: All modulations of EUT have been tested, but only show the test data of the worst case in this report.						

Test Condition			Lower Band Edge		Higher Band Edge	
Test Mode	Temp	Voltage	Segment A (dBm/MHz)	Segment B (dBm/MHz)	Segment A (dBm/MHz)	Segment B (dBm/MHz)
802.11 N20	Normal	Normal	-35.34	-50.04	-30.98	-47.03
	55℃	9.9	-36.08	-51.48	-31.75	-47.34
	55℃	8.1	-35.64	-51.07	-31.64	-47.86
	-20℃	9.9	-36.16	-51.65	-32.27	-48.42
	-20℃	8.1	-36.25	-52.33	-31.86	-47.18
Limit			-10	-20	-10	-20
Conclusion			PASS			
Remark: All modulations of EUT have been tested, but only show the test data of the worst case in this report.						

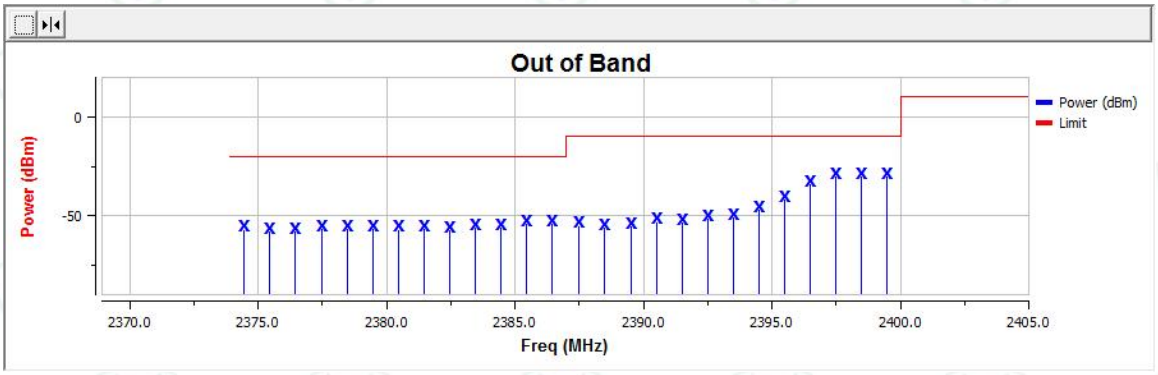
This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Condition			Lower Band Edge		Higher Band Edge	
Test Mode	Temp	Voltage	Segment A (dBm/MHz)	Segment B (dBm/MHz)	Segment A (dBm/MHz)	Segment B (dBm/MHz)
802.11 N40	Normal	Normal	-40.64	-52.98	-41.99	-51.13
	55℃	9.9	-41.36	-54.04	-42.75	-51.24
	55℃	8.1	-41.17	-54.87	-43.04	-52.26
	-20℃	9.9	-42.05	-53.75	-43.58	-51.78
	-20℃	8.1	-41.16	-54.06	-42.64	-51.12
Limit			-10	-20	-10	-20
Conclusion			PASS			
Remark: All modulations of EUT have been tested, but only show the test data of the worst case in this report.						

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 b CH Low (Normal Temp, Normal Voltage)

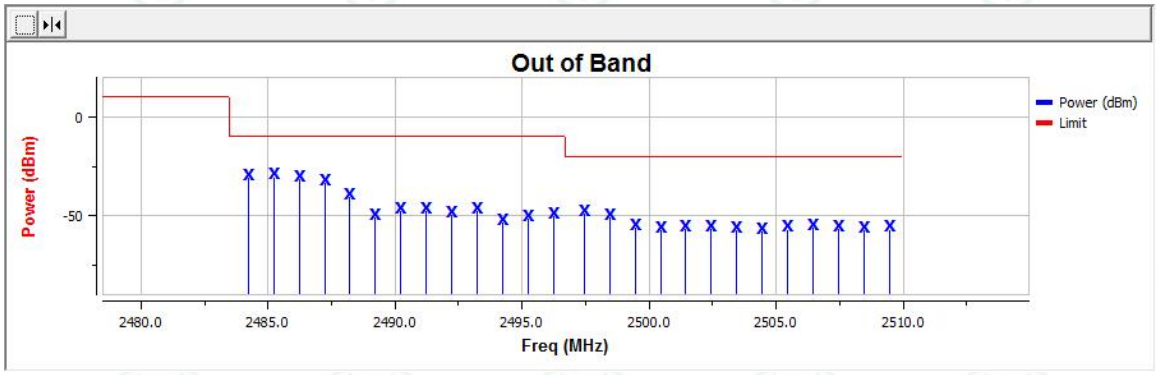
Channel	Antenna	Frequency	Level	Limit
CH Low-2412	Antenna 1	2399.5	-30.16	-10
CH Low-2412	Antenna 1	2398.5	-30.29	-10
CH Low-2412	Antenna 1	2397.5	-30.36	-10
CH Low-2412	Antenna 1	2396.5	-33.84	-10
CH Low-2412	Antenna 1	2395.5	-42.01	-10
CH Low-2412	Antenna 1	2394.5	-46.74	-10
CH Low-2412	Antenna 1	2393.5	-50.80	-10
CH Low-2412	Antenna 1	2392.5	-51.35	-10
CH Low-2412	Antenna 1	2391.5	-53.07	-10
CH Low-2412	Antenna 1	2390.5	-52.95	-10
CH Low-2412	Antenna 1	2389.5	-54.91	-10
CH Low-2412	Antenna 1	2388.5	-55.64	-10
CH Low-2412	Antenna 1	2387.5	-54.85	-10
CH Low-2412	Antenna 1	2386.462	-54.04	-20
CH Low-2412	Antenna 1	2385.462	-53.82	-20
CH Low-2412	Antenna 1	2384.462	-55.64	-20
CH Low-2412	Antenna 1	2383.462	-55.84	-20
CH Low-2412	Antenna 1	2382.462	-57.16	-20
CH Low-2412	Antenna 1	2381.462	-56.28	-20
CH Low-2412	Antenna 1	2380.462	-56.78	-20
CH Low-2412	Antenna 1	2379.462	-56.57	-20
CH Low-2412	Antenna 1	2378.462	-56.22	-20
CH Low-2412	Antenna 1	2377.462	-56.41	-20
CH Low-2412	Antenna 1	2376.462	-57.68	-20
CH Low-2412	Antenna 1	2375.462	-58.55	-20
CH Low-2412	Antenna 1	2374.462	-50.49	-20



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 b CH High (Normal Temp, Normal Voltage)

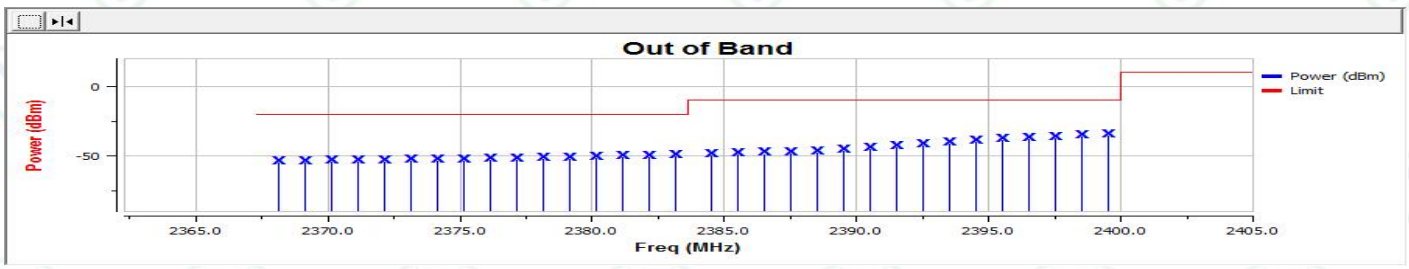
Channel	Antenna	Frequency	Level	Limit
CH High-2472	Antenna 1	2496.223	-50.31	-10
CH High-2472	Antenna 1	2495.223	-51.26	-10
CH High-2472	Antenna 1	2494.223	-53.05	-10
CH High-2472	Antenna 1	2493.223	-47.51	-10
CH High-2472	Antenna 1	2492.223	-49.13	-10
CH High-2472	Antenna 1	2491.223	-47.76	-10
CH High-2472	Antenna 1	2490.223	-47.76	-10
CH High-2472	Antenna 1	2489.223	-50.56	-10
CH High-2472	Antenna 1	2488.223	-40.52	-10
CH High-2472	Antenna 1	2487.223	-33.57	-10
CH High-2472	Antenna 1	2486.223	-31.38	-10
CH High-2472	Antenna 1	2485.223	-30.54	-10
CH High-2472	Antenna 1	2484.223	-30.86	-10
CH High-2472	Antenna 1	2509.446	-56.80	-20
CH High-2472	Antenna 1	2508.446	-57.08	-20
CH High-2472	Antenna 1	2507.446	-56.22	-20
CH High-2472	Antenna 1	2506.446	-55.93	-20
CH High-2472	Antenna 1	2505.446	-56.79	-20
CH High-2472	Antenna 1	2504.446	-57.64	-20
CH High-2472	Antenna 1	2503.446	-57.23	-20
CH High-2472	Antenna 1	2502.446	-56.60	-20
CH High-2472	Antenna 1	2501.446	-56.27	-20
CH High-2472	Antenna 1	2500.446	-57.35	-20
CH High-2472	Antenna 1	2499.446	-55.95	-20
CH High-2472	Antenna 1	2498.446	-51.56	-20
CH High-2472	Antenna 1	2497.446	-49.21	-20



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 g CH Low (Normal Temp, Normal Voltage)

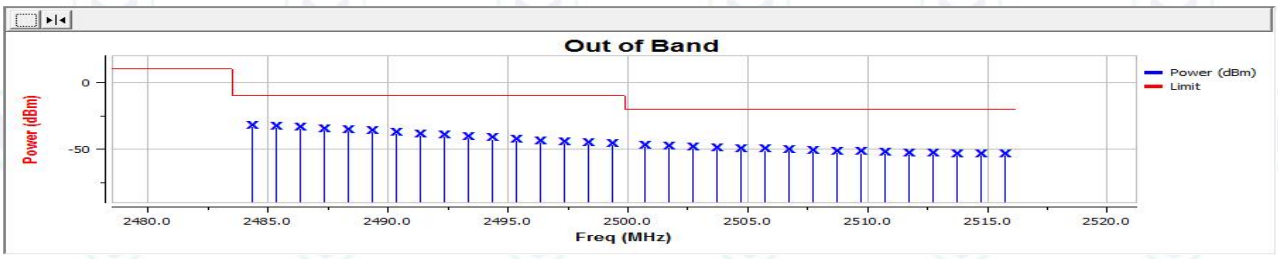
Channel	Antenna	Frequency	Level	Limit
CH Low-2412	Antenna 1	2399.5	-35.57	-10
CH Low-2412	Antenna 1	2398.5	-36.13	-10
CH Low-2412	Antenna 1	2397.5	-37.01	-10
CH Low-2412	Antenna 1	2396.5	-37.90	-10
CH Low-2412	Antenna 1	2395.5	-38.76	-10
CH Low-2412	Antenna 1	2394.5	-39.78	-10
CH Low-2412	Antenna 1	2393.5	-40.99	-10
CH Low-2412	Antenna 1	2392.5	-42.16	-10
CH Low-2412	Antenna 1	2391.5	-43.50	-10
CH Low-2412	Antenna 1	2390.5	-44.83	-10
CH Low-2412	Antenna 1	2389.5	-46.12	-10
CH Low-2412	Antenna 1	2388.5	-47.29	-10
CH Low-2412	Antenna 1	2387.5	-48.00	-10
CH Low-2412	Antenna 1	2386.5	-48.45	-10
CH Low-2412	Antenna 1	2385.5	-49.01	-10
CH Low-2412	Antenna 1	2384.5	-49.51	-10
CH Low-2412	Antenna 1	2383.152	-50.18	-20
CH Low-2412	Antenna 1	2382.152	-50.57	-20
CH Low-2412	Antenna 1	2381.152	-50.96	-20
CH Low-2412	Antenna 1	2380.152	-51.47	-20
CH Low-2412	Antenna 1	2379.152	-51.93	-20
CH Low-2412	Antenna 1	2377.152	-52.45	-20
CH Low-2412	Antenna 1	2376.152	-52.84	-20
CH Low-2412	Antenna 1	2374.152	-53.34	-20
CH Low-2412	Antenna 1	2373.152	-54.17	-20
CH Low-2412	Antenna 1	2371.152	-54.62	-20
CH Low-2412	Antenna 1	2369.152	-54.98	-20
CH Low-2412	Antenna 1	2368.152	-55.11	-20



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 g CH High (Normal Temp, Normal Voltage)

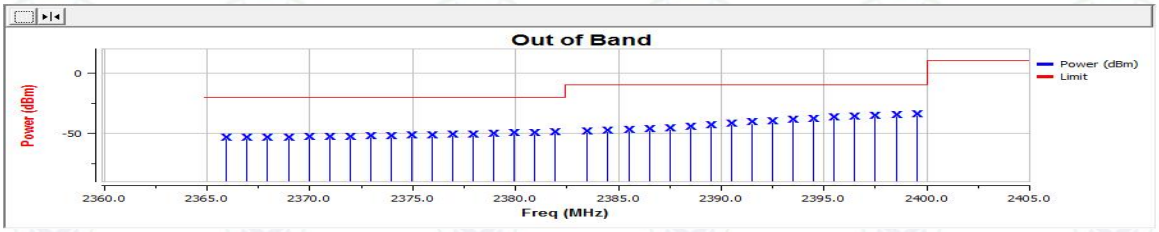
Channel	Antenna	Frequency	Level	Limit
CH High-2472	Antenna 1	2499.356	-46.94	-10
CH High-2472	Antenna 1	2498.356	-46.32	-10
CH High-2472	Antenna 1	2497.356	-45.33	-10
CH High-2472	Antenna 1	2496.356	-44.86	-10
CH High-2472	Antenna 1	2495.356	-43.86	-10
CH High-2472	Antenna 1	2494.356	-42.71	-10
CH High-2472	Antenna 1	2493.356	-41.73	-10
CH High-2472	Antenna 1	2492.356	-40.63	-10
CH High-2472	Antenna 1	2491.356	-39.59	-10
CH High-2472	Antenna 1	2488.356	-36.73	-10
CH High-2472	Antenna 1	2487.356	-35.71	-10
CH High-2472	Antenna 1	2485.356	-34.05	-10
CH High-2472	Antenna 1	2484.356	-33.54	-10
CH High-2472	Antenna 1	2515.712	-54.80	-20
CH High-2472	Antenna 1	2514.712	-54.54	-20
CH High-2472	Antenna 1	2513.712	-54.33	-20
CH High-2472	Antenna 1	2512.712	-53.93	-20
CH High-2472	Antenna 1	2511.712	-53.65	-20
CH High-2472	Antenna 1	2510.712	-53.28	-20
CH High-2472	Antenna 1	2509.712	-52.96	-20
CH High-2472	Antenna 1	2508.712	-52.51	-20
CH High-2472	Antenna 1	2505.712	-51.04	-20
CH High-2472	Antenna 1	2504.712	-50.51	-20
CH High-2472	Antenna 1	2503.712	-49.96	-20
CH High-2472	Antenna 1	2502.712	-49.76	-20
CH High-2472	Antenna 1	2501.712	-49.19	-20
CH High-2472	Antenna 1	2500.712	-48.47	-20



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n20 CH Low (Normal Temp, Normal Voltage)

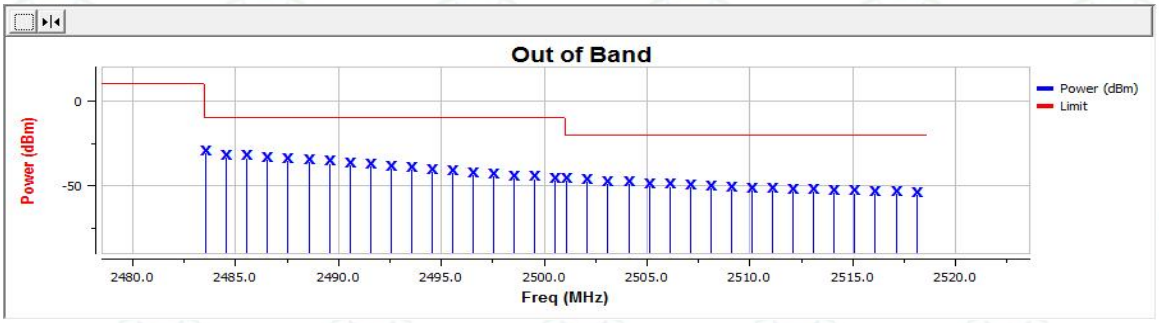
Channel	Antenna	Frequency	Level	Limit
CH Low-2412	Antenna 1	2399.5	-35.21	-10
CH Low-2412	Antenna 1	2398.5	-35.70	-10
CH Low-2412	Antenna 1	2397.5	-36.42	-10
CH Low-2412	Antenna 1	2396.5	-37.15	-10
CH Low-2412	Antenna 1	2395.5	-37.97	-10
CH Low-2412	Antenna 1	2394.5	-38.97	-10
CH Low-2412	Antenna 1	2391.5	-42.07	-10
CH Low-2412	Antenna 1	2390.5	-43.24	-10
CH Low-2412	Antenna 1	2389.5	-44.47	-10
CH Low-2412	Antenna 1	2388.5	-45.63	-10
CH Low-2412	Antenna 1	2387.5	-46.73	-10
CH Low-2412	Antenna 1	2386.5	-47.68	-10
CH Low-2412	Antenna 1	2385.5	-48.38	-10
CH Low-2412	Antenna 1	2384.5	-48.71	-10
CH Low-2412	Antenna 1	2383.5	-49.20	-10
CH Low-2412	Antenna 1	2381.948	-49.93	-20
CH Low-2412	Antenna 1	2380.948	-50.43	-20
CH Low-2412	Antenna 1	2379.948	-50.83	-20
CH Low-2412	Antenna 1	2378.948	-51.31	-20
CH Low-2412	Antenna 1	2377.948	-51.72	-20
CH Low-2412	Antenna 1	2376.948	-52.03	-20
CH Low-2412	Antenna 1	2375.948	-52.42	-20
CH Low-2412	Antenna 1	2374.948	-52.87	-20
CH Low-2412	Antenna 1	2371.948	-53.67	-20
CH Low-2412	Antenna 1	2370.948	-54.44	-20
CH Low-2412	Antenna 1	2367.948	-55.11	-20
CH Low-2412	Antenna 1	2366.948	-55.21	-20
CH Low-2412	Antenna 1	2365.948	-55.42	-20



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n20 CH High (Normal Temp, Normal Voltage)

Channel	Antenna	Frequency	Level	Limit
CH High-2472	Antenna 1	2500.548	-46.60	-10
CH High-2472	Antenna 1	2499.548	-45.92	-10
CH High-2472	Antenna 1	2498.548	-45.31	-10
CH High-2472	Antenna 1	2497.548	-44.45	-10
CH High-2472	Antenna 1	2496.548	-43.62	-10
CH High-2472	Antenna 1	2495.548	-42.66	-10
CH High-2472	Antenna 1	2494.548	-41.50	-10
CH High-2472	Antenna 1	2493.548	-40.58	-10
CH High-2472	Antenna 1	2492.548	-39.65	-10
CH High-2472	Antenna 1	2491.548	-38.74	-10
CH High-2472	Antenna 1	2490.548	-37.75	-10
CH High-2472	Antenna 1	2489.548	-36.90	-10
CH High-2472	Antenna 1	2488.548	-36.20	-10
CH High-2472	Antenna 1	2486.548	-34.62	-10
CH High-2472	Antenna 1	2485.548	-33.72	-10
CH High-2472	Antenna 1	2484.548	-33.32	-10
CH High-2472	Antenna 1	2483.548	-30.93	-10
CH High-2472	Antenna 1	2518.096	-55.05	-20
CH High-2472	Antenna 1	2516.096	-54.53	-20
CH High-2472	Antenna 1	2515.096	-54.21	-20
CH High-2472	Antenna 1	2510.096	-52.40	-20
CH High-2472	Antenna 1	2509.096	-51.77	-20
CH High-2472	Antenna 1	2508.096	-51.47	-20
CH High-2472	Antenna 1	2506.096	-50.40	-20
CH High-2472	Antenna 1	2503.096	-52.61	-20
CH High-2472	Antenna 1	2502.096	-52.73	-20
CH High-2472	Antenna 1	2501.096	-53.08	-20



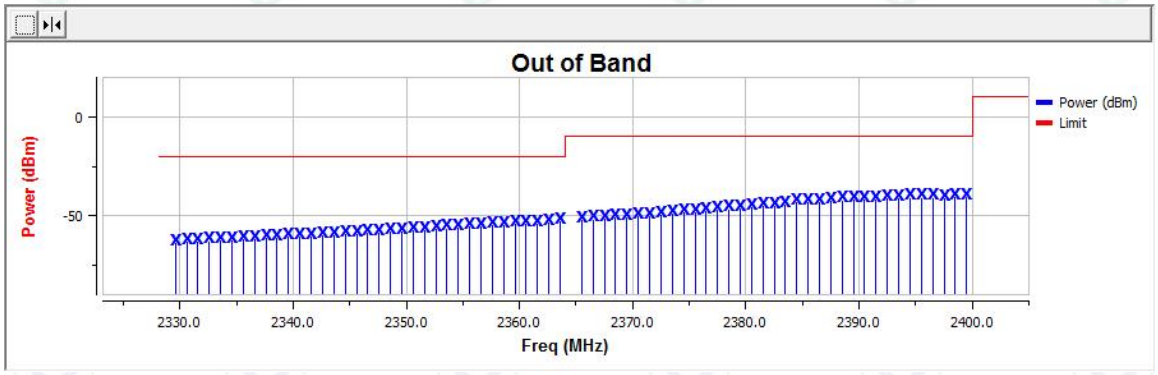
This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n40 CH Low (Normal Temp, Normal Voltage)

Channel	Antenna	Frequency	Level	Limit
CH Low-2422	Antenna 1	2399.5	-40.58	-10
CH Low-2422	Antenna 1	2398.5	-40.66	-10
CH Low-2422	Antenna 1	2397.5	-40.90	-10
CH Low-2422	Antenna 1	2396.5	-40.85	-10
CH Low-2422	Antenna 1	2395.5	-40.88	-10
CH Low-2422	Antenna 1	2394.5	-40.88	-10
CH Low-2422	Antenna 1	2393.5	-41.14	-10
CH Low-2422	Antenna 1	2392.5	-41.37	-10
CH Low-2422	Antenna 1	2391.5	-41.62	-10
CH Low-2422	Antenna 1	2390.5	-41.74	-10
CH Low-2422	Antenna 1	2389.5	-41.84	-10
CH Low-2422	Antenna 1	2388.5	-42.15	-10
CH Low-2422	Antenna 1	2387.5	-42.59	-10
CH Low-2422	Antenna 1	2386.5	-42.90	-10
CH Low-2422	Antenna 1	2385.5	-43.23	-10
CH Low-2422	Antenna 1	2384.5	-43.39	-10
CH Low-2422	Antenna 1	2383.5	-44.30	-10
CH Low-2422	Antenna 1	2382.5	-44.82	-10
CH Low-2422	Antenna 1	2381.5	-45.20	-10
CH Low-2422	Antenna 1	2380.5	-45.72	-10
CH Low-2422	Antenna 1	2379.5	-46.04	-10
CH Low-2422	Antenna 1	2378.5	-46.65	-10
CH Low-2422	Antenna 1	2377.5	-47.17	-10
CH Low-2422	Antenna 1	2376.5	-47.69	-10
CH Low-2422	Antenna 1	2375.5	-48.07	-10
CH Low-2422	Antenna 1	2374.5	-48.46	-10
CH Low-2422	Antenna 1	2373.5	-49.06	-10
CH Low-2422	Antenna 1	2372.5	-50.09	-10
CH Low-2422	Antenna 1	2371.5	-50.62	-10
CH Low-2422	Antenna 1	2370.5	-50.94	-10
CH Low-2422	Antenna 1	2369.5	-51.24	-10
CH Low-2422	Antenna 1	2368.5	-51.60	-10
CH Low-2422	Antenna 1	2367.5	-52.08	-10
CH Low-2422	Antenna 1	2366.5	-52.38	-10
CH Low-2422	Antenna 1	2365.5	-52.03	-10

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

CH Low-2422	Antenna 1	2363.602	-52.93	-20
CH Low-2422	Antenna 1	2362.602	-53.45	-20
CH Low-2422	Antenna 1	2361.602	-53.76	-20
CH Low-2422	Antenna 1	2360.602	-54.03	-20
CH Low-2422	Antenna 1	2359.602	-54.29	-20
CH Low-2422	Antenna 1	2358.602	-54.68	-20
CH Low-2422	Antenna 1	2357.602	-54.96	-20
CH Low-2422	Antenna 1	2356.602	-55.25	-20
CH Low-2422	Antenna 1	2355.602	-55.60	-20
CH Low-2422	Antenna 1	2354.602	-55.89	-20
CH Low-2422	Antenna 1	2353.602	-56.30	-20
CH Low-2422	Antenna 1	2352.602	-56.65	-20
CH Low-2422	Antenna 1	2351.602	-57.17	-20
CH Low-2422	Antenna 1	2350.602	-57.42	-20
CH Low-2422	Antenna 1	2349.602	-57.59	-20
CH Low-2422	Antenna 1	2348.602	-58.03	-20
CH Low-2422	Antenna 1	2345.602	-58.96	-20
CH Low-2422	Antenna 1	2344.602	-59.20	-20
CH Low-2422	Antenna 1	2338.602	-61.04	-20
CH Low-2422	Antenna 1	2337.602	-61.29	-20
CH Low-2422	Antenna 1	2335.602	-61.90	-20
CH Low-2422	Antenna 1	2334.602	-62.11	-20
CH Low-2422	Antenna 1	2333.602	-62.43	-20
CH Low-2422	Antenna 1	2332.602	-62.67	-20
CH Low-2422	Antenna 1	2331.602	-62.91	-20
CH Low-2422	Antenna 1	2330.602	-63.18	-20
CH Low-2422	Antenna 1	2329.602	-64.19	-20



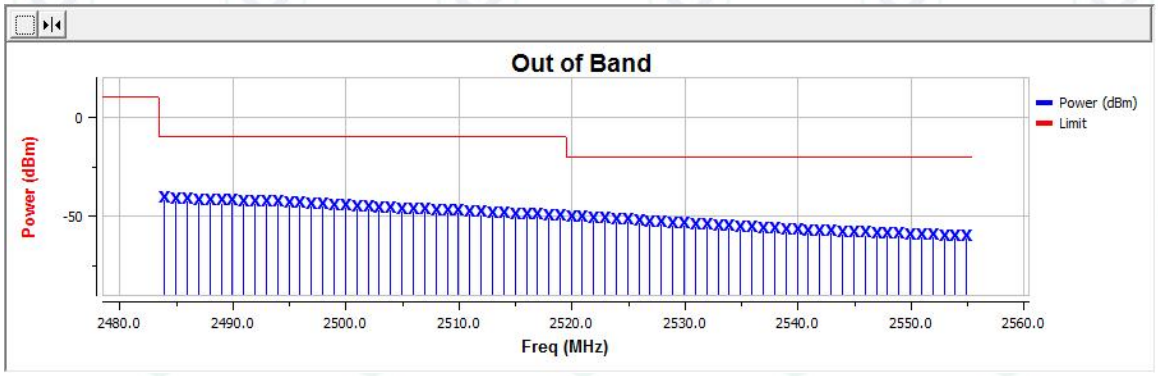
This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

802.11 n40 CH High (Normal Temp, Normal Voltage)

Channel	Antenna	Frequency	Level	Limit
CH High-2462	Antenna 1	2518.952	-50.92	-10
CH High-2462	Antenna 1	2517.952	-50.78	-10
CH High-2462	Antenna 1	2516.952	-50.30	-10
CH High-2462	Antenna 1	2515.952	-50.08	-10
CH High-2462	Antenna 1	2514.952	-49.92	-10
CH High-2462	Antenna 1	2513.952	-49.60	-10
CH High-2462	Antenna 1	2512.952	-49.42	-10
CH High-2462	Antenna 1	2511.952	-49.20	-10
CH High-2462	Antenna 1	2510.952	-48.75	-10
CH High-2462	Antenna 1	2509.952	-48.43	-10
CH High-2462	Antenna 1	2508.952	-48.23	-10
CH High-2462	Antenna 1	2507.952	-48.08	-10
CH High-2462	Antenna 1	2506.952	-47.84	-10
CH High-2462	Antenna 1	2505.952	-47.71	-10
CH High-2462	Antenna 1	2504.952	-47.41	-10
CH High-2462	Antenna 1	2503.952	-47.20	-10
CH High-2462	Antenna 1	2502.952	-46.88	-10
CH High-2462	Antenna 1	2501.952	-46.60	-10
CH High-2462	Antenna 1	2496.952	-44.86	-10
CH High-2462	Antenna 1	2495.952	-44.48	-10
CH High-2462	Antenna 1	2494.952	-44.16	-10
CH High-2462	Antenna 1	2493.952	-44.02	-10
CH High-2462	Antenna 1	2492.952	-43.67	-10
CH High-2462	Antenna 1	2491.952	-43.88	-10
CH High-2462	Antenna 1	2490.952	-43.64	-10
CH High-2462	Antenna 1	2489.952	-43.39	-10
CH High-2462	Antenna 1	2488.952	-43.41	-10
CH High-2462	Antenna 1	2487.952	-43.69	-10
CH High-2462	Antenna 1	2486.952	-43.51	-10
CH High-2462	Antenna 1	2485.952	-43.04	-10
CH High-2462	Antenna 1	2484.952	-43.13	-10
CH High-2462	Antenna 1	2483.952	-42.43	-10
CH High-2462	Antenna 1	2554.904	-61.96	-20
CH High-2462	Antenna 1	2553.904	-61.74	-20
CH High-2462	Antenna 1	2552.904	-60.90	-20

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

CH High-2462	Antenna 1	2551.904	-60.56	-20
CH High-2462	Antenna 1	2550.904	-60.46	-20
CH High-2462	Antenna 1	2549.904	-60.33	-20
CH High-2462	Antenna 1	2548.904	-60.06	-20
CH High-2462	Antenna 1	2545.904	-59.50	-20
CH High-2462	Antenna 1	2544.904	-59.20	-20
CH High-2462	Antenna 1	2543.904	-58.99	-20
CH High-2462	Antenna 1	2542.904	-58.81	-20
CH High-2462	Antenna 1	2541.904	-58.56	-20
CH High-2462	Antenna 1	2540.904	-58.25	-20
CH High-2462	Antenna 1	2537.904	-57.51	-20
CH High-2462	Antenna 1	2536.904	-57.15	-20
CH High-2462	Antenna 1	2535.904	-56.70	-20
CH High-2462	Antenna 1	2534.904	-56.44	-20
CH High-2462	Antenna 1	2533.904	-56.13	-20
CH High-2462	Antenna 1	2531.904	-55.55	-20
CH High-2462	Antenna 1	2530.904	-55.23	-20
CH High-2462	Antenna 1	2529.904	-54.93	-20
CH High-2462	Antenna 1	2528.904	-54.51	-20
CH High-2462	Antenna 1	2525.904	-53.37	-20
CH High-2462	Antenna 1	2524.904	-53.03	-20
CH High-2462	Antenna 1	2523.904	-52.63	-20
CH High-2462	Antenna 1	2522.904	-52.35	-20
CH High-2462	Antenna 1	2521.904	-51.89	-20
CH High-2462	Antenna 1	2520.904	-51.69	-20
CH High-2462	Antenna 1	2519.904	-51.28	-20



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Receiver Blocking

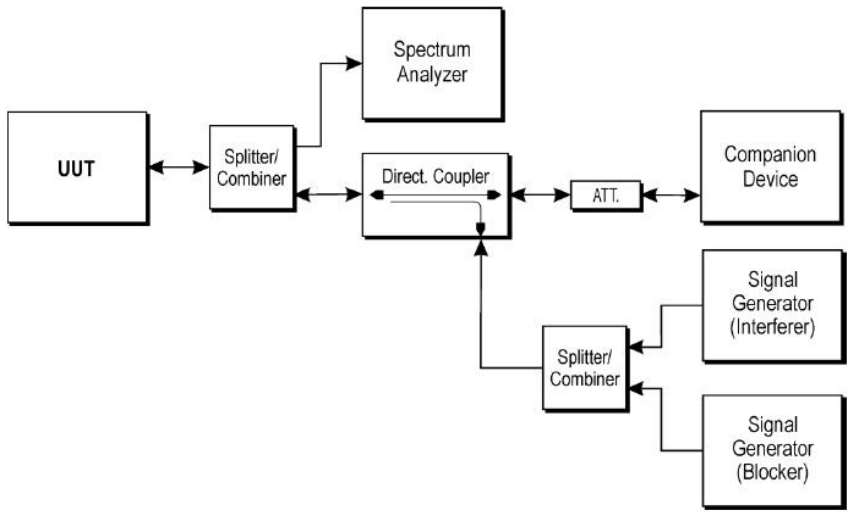
Limit

Adaptive equipment using wide band modulations other than FHSS, shall comply with the requirements defined in clauses 4.3.2.5.1 (non-LBT based DAA) or 4.3.2.5.2 (LBT based DAA) in the presence of a blocking signal with characteristics as provided in table 6.

Table 6: Receiver Blocking parameters

Equipment Type (LBT / non- LBT)	Wanted signal mean power from companion device	Blocking signal frequency [MHz]	Blocking signal power [dBm]	Type of interfering signal
LBT	sufficient to maintain the link (see note 2)	2 395 or 2 488,5 (see note 1)	-30	CW
Non-LBT	-30 dBm			
NOTE 1: The highest blocking frequency shall be used for testing the lowest operating channel, while the lowest blocking frequency shall be used for testing the highest operating channel.				
NOTE 2: A typical value which can be used in most cases is -50 dBm/MHz.				

Test Setup



Test Procedure

Refer to ETSI EN 300 328 V2.2.0 (2017-11) Clause 5.3.7.

Test Result

PASS, please refer to clause 5 for details.

Observation Result: Refer to 5 that blocking signal is injected while interference signal is present. With the presence of the blocking signal, channel of the observation does not resume the link.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Spurious emissions – Transmitter (30- 1000MHz)

Applied procedures / limit

Clause	Test Item	Frequency range	Maximum power, e.r.p. (≤ 1 GHz) e.i.r.p. (> 1 GHz)	RBW/VBW
4.3.2	Spurious emissions (radiated)	30 MHz to 47 MHz	-36 dBm	100 kHz/300KHz
		47 MHz to 74 MHz	-54 dBm	100 kHz/300KHz
		74 MHz to 87,5 MHz	-36 dBm	100 kHz/300KHz
		87,5 MHz to 118 MHz	-54 dBm	100 kHz/300KHz
		118 MHz to 174 MHz	-36 dBm	100 kHz/300KHz
		174 MHz to 3.70 MHz	-54 dBm	100 kHz/300KHz
		3.70 MHz to 470 MHz	-36 dBm	100 kHz/300KHz
		470 MHz to 862 MHz	-54 dBm	100 kHz/300KHz
		862 MHz to 1 GHz	-36 dBm	100 kHz/300KHz
		1 GHz to 12,75 GHz	-30 dBm	1 MHz/3MHz

Measuring Instruments and Setting

Please refer to section 7.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	30 MHz
Stop Frequency	1000 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s

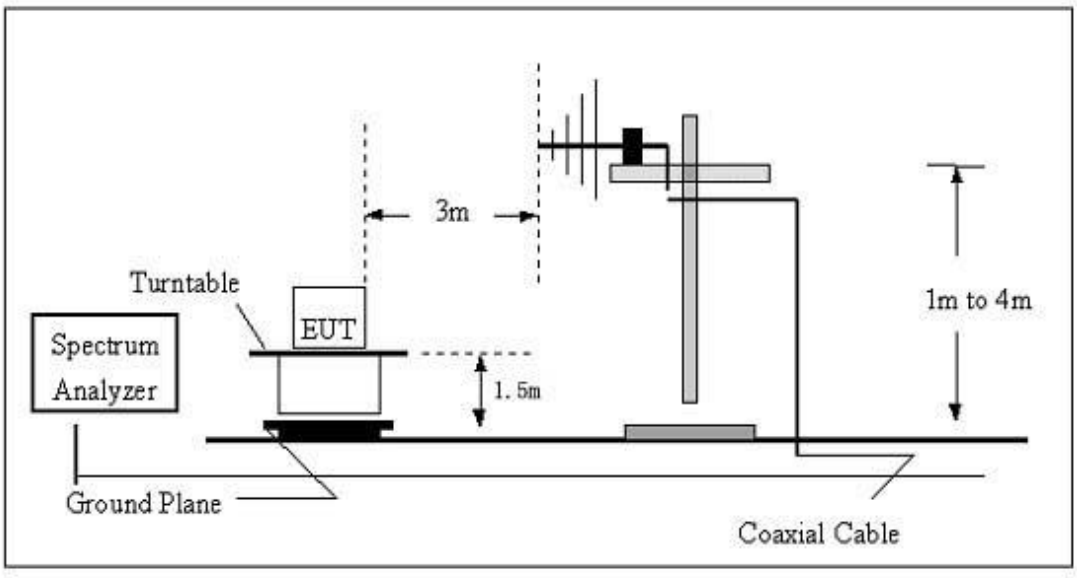
Test Procedures

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

a. The EUT was placed on the top of the turntable in open test site area.
b. The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
c. This measurement shall be repeated with the transmitter in standby mode where applicable.
d. For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.
e. The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
f. Replace the EUT by standard antenna and feed the RF port by signal generator.
g. Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
h. Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
i. The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
j. If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.
k. The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

Test Setup Layout

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



This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

Results of Standby Mode Spurious Emissions

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

TEST RESULTS (30MHz ~ 1000MHz)

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

EUT：	Vending machine	Model Name ：	XHJ
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Power ：	220Vac

	Frequency (MHz)	Ant H / V	TX/RX	Measure (dBm)	Limits (dBm)	Margins	Note
802.11b	53.36	H	TX	-65.10	-54.00	-11.10	
	93.14	H	TX	-65.15	-54.00	-11.15	
	216.68	H	TX	-63.87	-54.00	-9.87	
	531.54	H	TX	-65.71	-54.00	-11.71	
	734.29	H	TX	-64.24	-54.00	-10.24	
	807.97	H	TX	-64.20	-54.00	-10.20	
802.11b	65.44	V	TX	-64.94	-54.00	-10.94	
	103.44	V	TX	-66.07	-54.00	-12.07	
	224.54	V	TX	-63.90	-54.00	-9.90	
	563.42	V	TX	-64.97	-54.00	-10.97	
	649.23	V	TX	-64.11	-54.00	-10.11	
	774.56	V	TX	-66.32	-54.00	-12.32	
802.11g	53.62	H	TX	-66.13	-54.00	-12.13	
	92.67	H	TX	-64.89	-54.00	-10.89	
	218.70	H	TX	-65.29	-54.00	-11.29	
	528.75	H	TX	-64.16	-54.00	-10.16	
	731.81	H	TX	-66.42	-54.00	-12.42	
	805.86	H	TX	-66.51	-54.00	-12.51	
802.11g	65.44	V	TX	-65.34	-54.00	-11.34	
	103.44	V	TX	-66.25	-54.00	-12.25	
	224.54	V	TX	-67.04	-54.00	-13.04	
	563.42	V	TX	-65.98	-54.00	-11.98	
	649.23	V	TX	-66.71	-54.00	-12.71	
	774.56	V	TX	-64.21	-54.00	-10.21	

EUT：	~~Vending machine~~	Model Name ：	~~XHJ~~
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Power ：	220Vac

(2)Data of measurement within this frequency range shown "*" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(3) The EUT can't be operated in the standby mode and it's always keep continuously transmitting.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

	Frequency (MHz)	Ant H / V	TX/RX	Measure (dBm)	Limits (dBm)	Margins	Note
802.11n 20	53.62	H	TX	-65.34	-54.00	-11.34	
	92.67	H	TX	-66.72	-54.00	-12.72	
	218.70	H	TX	-65.45	-54.00	-11.45	
	528.75	H	TX	-64.33	-54.00	-10.33	
	731.81	H	TX	-65.28	-54.00	-11.28	
	805.86	H	TX	-65.08	-54.00	-11.08	
802.11n 20	65.44	V	TX	-65.66	-54.00	-11.66	
	103.44	V	TX	-65.98	-54.00	-11.98	
	224.54	V	TX	-64.90	-54.00	-10.90	
	563.42	V	TX	-64.10	-54.00	-10.10	
	649.23	V	TX	-65.24	-54.00	-11.24	
	774.56	V	TX	-65.99	-54.00	-11.99	
802.11n 40	53.62	H	TX	-65.09	-54.00	-11.09	
	92.67	H	TX	-65.93	-54.00	-11.93	
	218.70	H	TX	-67.21	-54.00	-13.21	
	528.75	H	TX	-65.54	-54.00	-11.54	
	731.81	H	TX	-65.32	-54.00	-11.32	
	805.86	H	TX	-64.06	-54.00	-10.06	
802.11n 40	65.44	V	TX	-64.86	-54.00	-10.86	
	103.44	V	TX	-66.28	-54.00	-12.28	
	224.54	V	TX	-64.67	-54.00	-10.67	
	563.42	V	TX	-65.94	-54.00	-11.94	
	649.23	V	TX	-66.85	-54.00	-12.85	
	774.56	V	TX	-65.34	-54.00	-11.34	

Remark:

(2)Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(3) The EUT can’t be operated in the standby mode and it’s always keep continuously transmitting.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Spurious emissions – TRANSMITTER (above 1000MHz)

Applied procedures / limit

Clause	Test Item	Frequency range	Maximum power, e.r.p. (≤ 1 GHz) e.i.r.p. (> 1 GHz)	RBW/VBW
4.3.2	Spurious emissions (radiated)	30 MHz to 47 MHz	-36 dBm	100 kHz/300KHz
		47 MHz to 74 MHz	-54 dBm	100 kHz/300KHz
		74 MHz to 87,5 MHz	-36 dBm	100 kHz/300KHz
		87,5 MHz to 118 MHz	-54 dBm	100 kHz/300KHz
		118 MHz to 174 MHz	-36 dBm	100 kHz/300KHz
		174 MHz to 3.70 MHz	-54 dBm	100 kHz/300KHz
		3.70 MHz to 470 MHz	-36 dBm	100 kHz/300KHz
		470 MHz to 862 MHz	-54 dBm	100 kHz/300KHz
		862 MHz to 1 GHz	-36 dBm	100 kHz/300KHz
		1 GHz to 12,75 GHz	-30 dBm	1 MHz/3MHz

Measuring Instruments and Setting

Please refer to section 7.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	12750 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	1MHz / 3MHz

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Procedures

a. The EUT was placed on the top of the turntable in open test site area.
b. The test shall be made in the transmitting mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
c. This measurement shall be repeated with the transmitter in standby mode where applicable.
d. For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable.
e. The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
f. Replace the EUT by standard antenna and feed the RF port by signal generator.
g. Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
h. Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

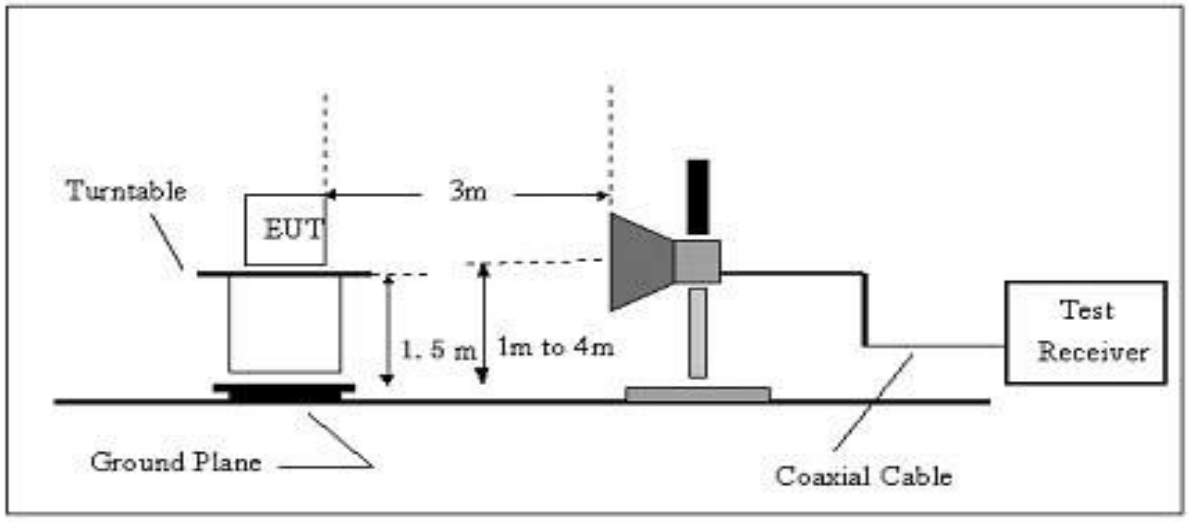
i. The level of the spurious emission is the power level of (8) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.

j. If the level calculated in (9) is higher than limit by more than 6dB, then lower the RBW of the spectrum analyzer to 30KHz. If the level of this emission does not change by more than 2dB, then it is taken as narrowband emission, otherwise, wideband emission.

k. The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

Test Setup Layout

(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

Results of Standby Mode Spurious Emissions

For the initial investigation on standby mode and receiving mode, no significant differences in spurious emissions were observed between these 2 modes. So test data for standby mode was omitted in this section.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

TEST RESULTS

EUT：	Vending machine System	Model Name ：	XHJ
Temperature：	24 ℃	Relative	54%
Pressure：	1010 hPa	Test Power ：	220Vac (11b)

	Frequency	Ant	TX/RX	Measured (FS)	Limits	Margins	Note
	(MHz)	H / V		(dBm)	(dBm)		
11B 2412MHz	4824.000	V	TX	-42.96	-30.00	-12.96	
	7236.000	V	TX	-40.84	-30.00	-10.84	
11B 2412MHz	4824.000	H	TX	-44.07	-30.00	-14.07	
	7236.000	H	TX	-41.12	-30.00	-11.12	
11B 2442MHz	4884.000	V	TX	-43.75	-30.00	-13.75	
	7326.000	V	TX	-41.11	-30.00	-11.11	
11B 2442MHz	4884.000	H	TX	-44.26	-30.00	-14.26	
	7326.000	H	TX	-41.05	-30.00	-11.05	
11B 2472MHz	4944.000	V	TX	-44.85	-30.00	-14.85	
	7416.500	V	TX	-39.76	-30.00	-9.76	
11B 2472MHz	4944.000	H	TX	-43.04	-30.00	-13.04	
	7416.500	H	TX	-41.93	-30.00	-11.93	

Note:

(1) Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) The EUT can’t be operated in the standby mode and it’s always keep continuously receiving.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

(3) Measuring frequency from 1GHz to 12.75GHz.

EUT：	Vending machine	Model Name ：	XHJ
Temperature：	24 ℃	Relative Humidity	54%
Pressure：	1010 hPa	Test Power ：	220Vac (11g)

	Frequency	Ant	TX/RX	Measured (FS)	Limits	Margins	Note
	(MHz)	H / V		(dBm)	(dBm)		
11G 2412MHz	4824.000	V	TX	-42.86	-30.00	-12.86	
	7236.000	V	TX	-40.75	-30.00	-10.75	
11G 2412MHz	4824.000	H	TX	-44.15	-30.00	-14.15	
	7236.000	H	TX	-41.07	-30.00	-11.07	
11G 2442MHz	4884.000	V	TX	-43.81	-30.00	-13.81	
	7326.000	V	TX	-42.26	-30.00	-12.26	
11G 2442MHz	4884.000	H	TX	-44.21	-30.00	-14.21	
	7326.000	H	TX	-43.09	-30.00	-13.09	
11G 2472MHz	4944.000	V	TX	-44.97	-30.00	-14.97	
	7416.500	V	TX	-41.11	-30.00	-11.11	
11G 2472MHz	4944.000	H	TX	-44.28	-30.00	-14.28	
	7416.500	H	TX	-42.44	-30.00	-12.44	

Note:

(1) Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) The EUT can’t be operated in the standby mode and it’s always keep continuously receiving.

(3) Measuring frequency from 1GHz to 12.75GHz.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

EUT：	Vending machine	Model Name ：	XHJ
Temperature：	24 ℃	Relative Humidity	54%
Pressure：	1010 hPa	Test Power ：	220Vac (11 N20)

	Frequency	Ant	TX/RX	Measured (FS)	Limits	Margins	Note
	(MHz)	H / V		(dBm)	(dBm)		
11 N20 2412MHz	4824.000	V	TX	-43.07	-30.00	-13.07	
	7236.000	V	TX	-41.98	-30.00	-11.98	
11 N20 2412MHz	4824.000	H	TX	-44.04	-30.00	-14.04	
	7236.000	H	TX	-40.74	-30.00	-10.74	
11 N20 2442MHz	4884.000	V	TX	-45.17	-30.00	-15.17	
	7326.000	V	TX	-40.87	-30.00	-10.87	
11 N20 2442MHz	4884.000	H	TX	-42.94	-30.00	-12.94	
	7326.000	H	TX	-42.24	-30.00	-12.24	
11 N20 2472MHz	4944.000	V	TX	-45.02	-30.00	-15.02	
	7416.500	V	TX	-43.13	-30.00	-13.13	
11 N20 2472MHz	4944.000	H	TX	-44.14	-30.00	-14.14	
	7416.500	H	TX	-42.08	-30.00	-12.08	

Note:

(1) Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) The EUT can’t be operated in the standby mode and it’s always keep continuously receiving.

(3) Measuring frequency from 1GHz to 12.75GHz.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

EUT：	Vending machine	Model Name ：	XHJ
Temperature：	24 ℃	Relative Humidity	54%
Pressure：	1010 hPa	Test Power ：	220Vac (11 N40)

	Frequency	Ant	TX/RX	Measured (FS)	Limits	Margins	Note
	(MHz)	H / V		(dBm)	(dBm)		
11 N40 2422MHz	4844.000	V	TX	-44.29	-30.00	-14.29	
	7266.000	V	TX	-42.79	-30.00	-12.79	
11 N40 2422MHz	4844.000	H	TX	-44.91	-30.00	-14.91	
	7266.000	H	TX	-41.92	-30.00	-11.92	
11 N40 2442MHz	4884.000	V	TX	-44.03	-30.00	-14.03	
	7326.000	V	TX	-42.12	-30.00	-12.12	
11 N40 2442MHz	4884.000	H	TX	-42.95	-30.00	-12.95	
	7326.000	H	TX	-41.00	-30.00	-11.00	
11 N40 2472MHz	4924.000	V	TX	-44.14	-30.00	-14.14	
	7386.500	V	TX	-40.86	-30.00	-10.86	
11 N40 2472MHz	4924.000	H	TX	-44.06	-30.00	-14.06	
	7386.500	H	TX	-41.78	-30.00	-11.78	

Note:

(1) Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) The EUT can’t be operated in the standby mode and it’s always keep continuously receiving.

(3) Measuring frequency from 1GHz to 12.75GHz.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Spurious emissions – RECEIVER (30-1000MHz)

Applied procedures / limit

Clause	Test Item	Frequency(MHz)	Limit
4.3.5	Spurious emissions	30-1000	-57dBm
	(radiated)	1000-12750	-47dBm

Measuring Instruments and Setting

Please refer to section 8.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	30 MHz
Stop Frequency	1000 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	100 kHz / 300 kHz

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Procedures

a. The EUT was placed on the top of the turntable in open test site area.
b. The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
c. For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. .
d. The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
e. Replace the EUT by standard antenna and feed the RF port by signal generator.
f. Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
g. Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
h. The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
i. The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

Test Setup Layout

This test setup layout is the same as that shown in section 6.1.4

EUT Operation during Test

The EUT was programmed to be in continuously receiving mode.

TEST RESULTS (30MHz-1000MHz)

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

EUT：	Vending machine	Model Name ：	XHJ
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Power ：	220Vac

	Frequency (MHz)	Ant H / V	TX/RX	Measured (FS) (dBm)	Limits (dBm)	Margins	Note
RX Mode	42.88	V	RX	-64.10	-57.00	-7.10	
	98.81	V	RX	-64.86	-57.00	-7.86	
	123.64	V	RX	-63.93	-57.00	-6.93	
	186.15	V	RX	-65.54	-57.00	-8.54	
	263.32	V	RX	-64.86	-57.00	-7.86	
	484.34	V	RX	-65.13	-57.00	-8.13	
RX Mode	42.88	H	RX	-64.64	-57.00	-7.64	
	78.36	H	RX	-64.05	-57.00	-7.05	
	99.04	H	RX	-65.56	-57.00	-8.56	
	123.63	H	RX	-64.72	-57.00	-7.72	
	409.66	H	RX	-65.06	-57.00	-8.06	
	661.30	H	RX	-63.98	-57.00	-6.98	

Note:

(1) Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) The EUT can’t be operated in the standby mode and it’s always keep continuously receiving.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Spurious emissions – RECEIVER (above 1000MHz)

Applied procedures / limit

Clause	Test Item	Frequency(MHz)	Limit
4.3.5	Spurious emissions	30-1000	-57dBm
	(narrowband)	1000-12750	-47dBm

Measuring Instruments and Setting

Please refer to section 9.1.1 in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Analyzer	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	12750 MHz
Detector	Positive Peak
Span	100 MHz
Sweep Time	1s
RB / VB	1MHz / 3MHz

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Test Procedures

a. The EUT was placed on the top of the turntable in open test site area.
b. The test shall be made in the receiving mode. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
c. For 30~1000MHz spurious emissions measurement, the broad band bi-log receiving antenna was placed 3 meters far away from the turntable. .
d. The broadband receiving antenna was fixed on the same height with the EUT to find each suspected emissions of both horizontal and vertical polarization. Each recorded suspected value is indicated as Read Level (Raw).
e. Replace the EUT by standard antenna and feed the RF port by signal generator.
f. Adjust the frequency of the signal generator to the suspected emission and slightly rotate the turntable to locate the position with maximum reading.
g. Adjust the power level of the signal generator to reach the same reading with Read Level (Raw).
h. The level of the spurious emission is the power level of (7) plus the gain of the standard antenna in dBi and minus the loss of the cable used between the signal generator and the standard antenna.
i. The measurement shall be repeated at the lowest and the highest channel of the stated frequency range.

Test Setup Layout

This test setup layout is the same as that shown in section 7.1.3

EUT Operation during Test

The EUT was programmed to be in continuously receiving mode.

TEST RESULTS (Above 1000MHz)

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

EUT：	Vending machine	Model Name ：	XHJ
Temperature：	24 ℃	Relative Humidity：	54%
Pressure：	1010 hPa	Test Power ：	220Vac

	Frequency	EUT Axis	TX/RX	Measured (FS)	Limits	Margins	Note
	(MHz)	(X/Y/Z)		(dBm)	(dBm)		
RX Mode	1681.36	X	RX	-61.27	-47.00	-14.27	
	3583.59	X	RX	-59.56	-47.00	-12.56	

	Frequency	EUT Axis	TX/RX	Measured (FS)	Limits	Margins	Note
	(MHz)	(X/Y/Z)		(dBm)	(dBm)		
RX Mode	1664.57	X	RX	-59.38	-47.00	-12.38	
	3554.83	X	RX	-59.22	-47.00	-12.22	

Note:

(1) Data of measurement within this frequency range shown “* ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(2) The EUT can’t be operated in the standby mode and it’s always keep continuously receiving.

(3) Measuring frequency from 1GHz to 12.75GHz.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

2. PHOTOGRAPHS OF EUT



Photo 1

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.



Photo 2

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.



Photo 3

— End of report —

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.

Statement:

1. The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which MEIOU shall bear no responsibilities.
2. The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and MEIOU shall not bear related responsibilities.
3. The test report is effective only with both signature and specialized stamp. Without written approval of MEIOU, this report can't be reproduced in full or in part.
4. This test data is only responsible for the tested sample.
5. The test result only used for client's requirement, scientific researching ,teaching or internal quality control.

This test report is limited to the above client company and the product model only. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. It may not be duplicated without prior written consent of Shenzhen Meiou Testing Technology Co., Ltd.