FCC REPORT

Applicant:	UbiqiSense Aps
Address of Applicant:	Bryghusgade 8, DK-1473 Copenhagen K, Denmark
Equipment Under Test (EUT)	
Product Name:	Wireless Object Detector
Model No.:	UC2-N, UC2-W
Trade mark:	Ubiqisense
FCC ID:	2AXKGUC2NW
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B
Date of sample receipt:	27 Oct., 2020
Date of Test:	28 Oct., to 25 Nov., 2020
Date of report issued:	26 Nov., 2020
Test Result:	PASS *

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

Authorized Signature:

Bruce Zhang
Laboratory Manager

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

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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2 Version

Version No.	Date	Description
00	*26 Nov., 2020*	*Original*

Tested by: YT Yang ***Date:*** *26 Nov., 2020*

Test Engineer

Reviewed by: Winner Zhang ***Date:*** *26 Nov., 2020*

Project Engineer

3 Contents

Page

1 COVER PAGE 1

2 VERSION 2

3 CONTENTS 3

4 TEST SUMMARY 4

5 GENERAL INFORMATION 5

5.1 CLIENT INFORMATION 5
5.2 GENERAL DESCRIPTION OF E.U.T. 5
5.3 TEST MODE AND TEST SAMPLES PLANS 5
5.4 MEASUREMENT UNCERTAINTY 5
5.5 DESCRIPTION OF SUPPORT UNITS 6
5.6 RELATED SUBMITTAL(S) / GRANT (S) 6
5.7 DESCRIPTION OF CABLE USED 6
5.8 ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD 6
5.9 LABORATORY FACILITY 6
5.10 LABORATORY LOCATION 6
5.11 TEST INSTRUMENTS LIST 7

6 TEST RESULTS AND MEASUREMENT DATA 8

6.1 CONDUCTED EMISSION 8
6.2 RADIATED EMISSION 11

7 TEST SETUP PHOTO 21

8 EUT CONSTRUCTIONAL DETAILS 22

4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.

2. N/A: The EUT not applicable of the test item.

Test Method:	*ANSI C63.4:2014*

5 General Information

5.1 Client Information

Applicant:	UbiqiSense Aps
Address:	Bryghusgade 8, DK-1473 Copenhagen K, Denmark
Manufacturer:	SHENZHEN XUANTONGWEI TECHNOLOGY CO., LTD.
Address:	Rm301, Building 4, Shenzhen Software Park, Kejizhong 2nd Road, HI-TECH PARK, Nanshan District, Shenzhen City, China.
Factory:	XUANTONGWEI（CHONGQING）ELECTRONICS TECHNOLOGY CO., LTD.
Address:	Building 11, Phase 2, Jinfeng Electronic Information Industry Park, Jiulongpo District, Chongqing, China

5.2 General Description of E.U.T.

Product Name:	Wireless Object Detector
Model No.:	UC2-N, UC2-W
AC adapter:	Model: CW1201000RE Input: AC100-240V, 50/60Hz, 0.4A Output: DC 12V, 1A
Remark:	Model: UC2-N and UC2-W are the same internally, with the same circuit design, layout, components used and internal wiring. The only difference is the camera: UC2-N uses a standard camera UC2-W uses a wide-angle camera
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

5.3 Test Mode and test samples plans

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

5.4 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.5 Description of Support Units

N/A

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Description of Cable Used

N/A

5.8 Additions to, deviations, or exclusions from the method

No

5.9 Laboratory Facility

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

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.10 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.110~116, Building B, Jinyuan Business Building, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.11 Test Instruments list

Radiated Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
3m SAC	SAEMC	9m*6m*6m	966	07-22-2020	07-21-2021
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-07-2020	03-06-2021
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2020	06-21-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020
				11-18-2020	11-17-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-07-2020	03-06-2021
Pre-amplifier	CD	PAP-1G18	11804	03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-05-2020	03-04-2021
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020
				11-18-2020	11-17-2021
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-05-2020	03-04-2021
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2020	03-06-2021
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2020	03-06-2021
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021

Conducted Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-05-2020	03-04-2021
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-05-2020	03-04-2021
LISN	CHASE	MN2050D	1447	03-05-2020	03-04-2021
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2020	07-20-2021
Cable	HP	10503A	N/A	03-05-2020	03-04-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		

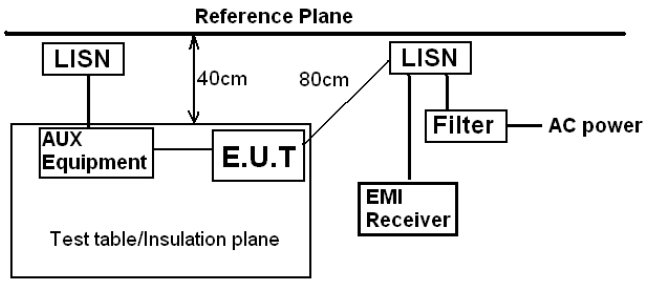
6 Test results and Measurement Data

6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107
Test Frequency Range:	150kHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9kHz, VBW=30kHz
Limit:	

Frequency range (MHz)	Limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
0.5-30	60	50
* Decreases with the logarithm of the frequency.		

Test setup:



Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m

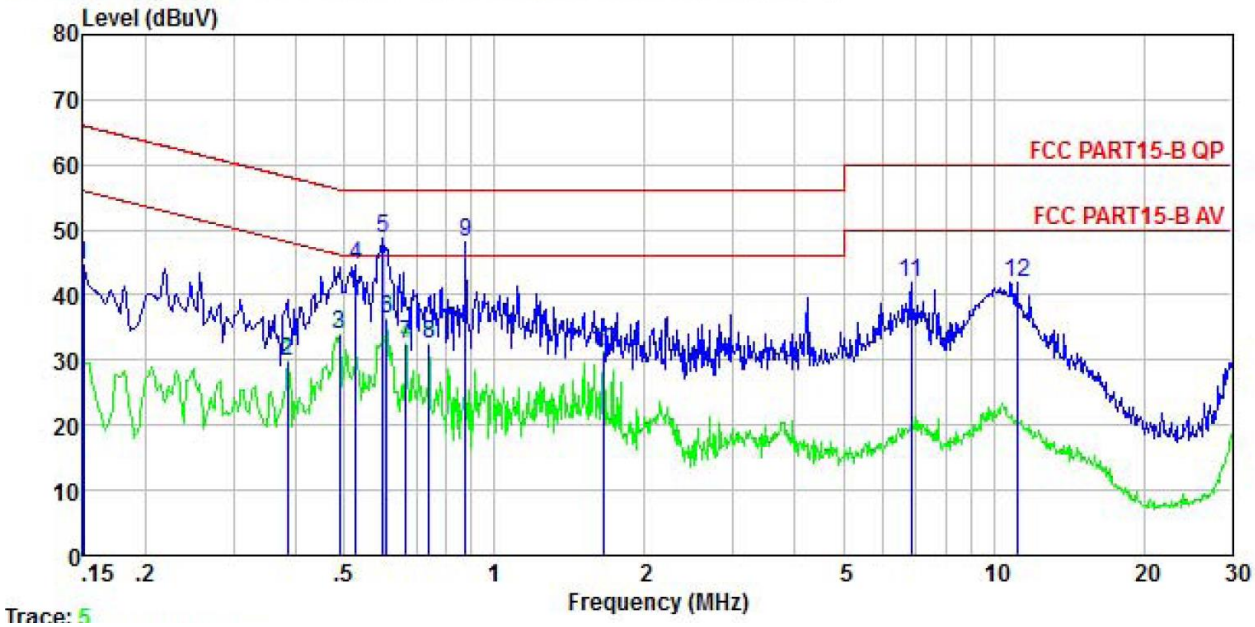
Test procedure

1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment.
2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs).
3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4(latest version) on conducted measurement.

Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement data:

Product name:	Wireless Object Detector	**Product model:**	UC2-N
Test by:	YT	**Test mode:**	Working mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Line
Test voltage:	AC 120 V/60 Hz	**Environment:**	Temp: 22.5℃ Huni: 55%

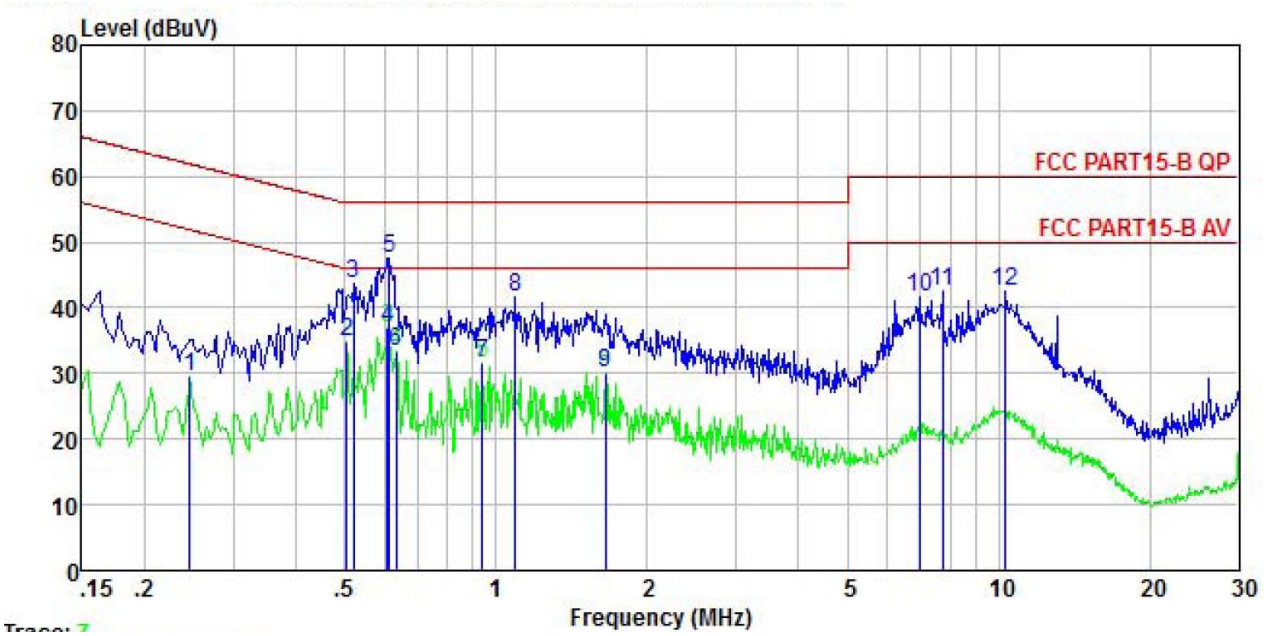


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	34.44	-0.57	0.01	10.78	44.66	66.00	-21.34	QP
2	0.385	19.68	-0.49	-0.05	10.72	29.86	48.17	-18.31	Average
3	0.489	23.61	-0.44	0.02	10.76	33.95	46.19	-12.24	Average
4	0.527	34.14	-0.45	0.03	10.76	44.48	56.00	-11.52	QP
5	0.598	38.43	-0.48	0.04	10.77	48.76	56.00	-7.24	QP
6	0.608	26.04	-0.49	0.04	10.77	36.36	46.00	-9.64	Average
7	0.665	22.26	-0.51	0.04	10.77	32.56	46.00	-13.44	Average
8	0.739	22.15	-0.54	0.05	10.79	32.45	46.00	-13.55	Average
9	0.876	37.90	-0.59	0.06	10.83	48.20	56.00	-7.80	QP
10	1.654	20.65	-0.54	0.15	10.94	31.20	46.00	-14.80	Average
11	6.841	30.86	-0.55	0.83	10.80	41.94	60.00	-18.06	QP
12	11.139	29.89	-0.72	1.85	10.93	41.95	60.00	-18.05	QP

Notes:

1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Product name:	Wireless Object Detector	**Product model:**	UC2-N
Test by:	YT	**Test mode:**	Working mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Neutral
Test voltage:	AC 120 V/60 Hz	**Environment:**	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.246	19.42	-0.67	0.01	10.75	29.51	51.91	-22.40	Average
2	0.505	24.61	-0.65	0.03	10.76	34.75	46.00	-11.25	Average
3	0.521	33.52	-0.65	0.03	10.76	43.66	56.00	-12.34	QP
4	0.608	26.70	-0.64	0.04	10.77	36.87	46.00	-9.13	Average
5	0.614	37.48	-0.64	0.04	10.77	47.65	56.00	-8.35	QP
6	0.634	23.21	-0.64	0.04	10.77	33.38	46.00	-12.62	Average
7	0.938	21.34	-0.67	0.07	10.85	31.59	46.00	-14.41	Average
8	1.094	31.20	-0.68	0.09	10.88	41.49	56.00	-14.51	QP
9	1.654	19.83	-0.70	0.15	10.94	30.22	46.00	-15.78	Average
10	6.951	30.82	-0.75	0.84	10.80	41.71	60.00	-18.29	QP
11	7.728	31.41	-0.76	0.99	10.84	42.48	60.00	-17.52	QP
12	10.342	30.75	-0.79	1.54	10.94	42.44	60.00	-17.56	QP

Notes:

1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

6.2 Radiated Emission

Test Requirement:	FCC Part 15 B Section 15.109
Test Frequency Range:	30MHz to 6000MHz
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)

Receiver setup:

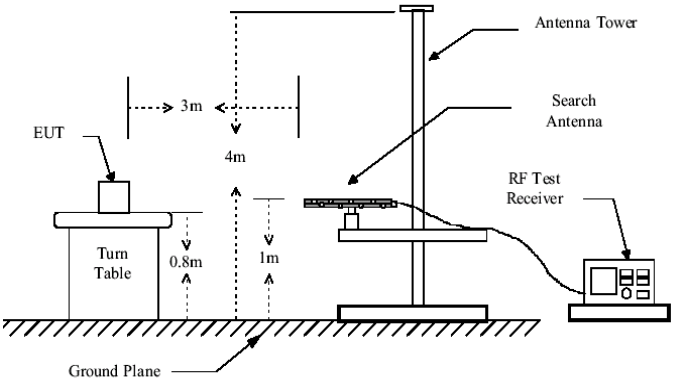
Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
Above 1GHz	Peak	1MHz	3MHz	Peak Value
	RMS	1MHz	3MHz	Average Value

Limit:

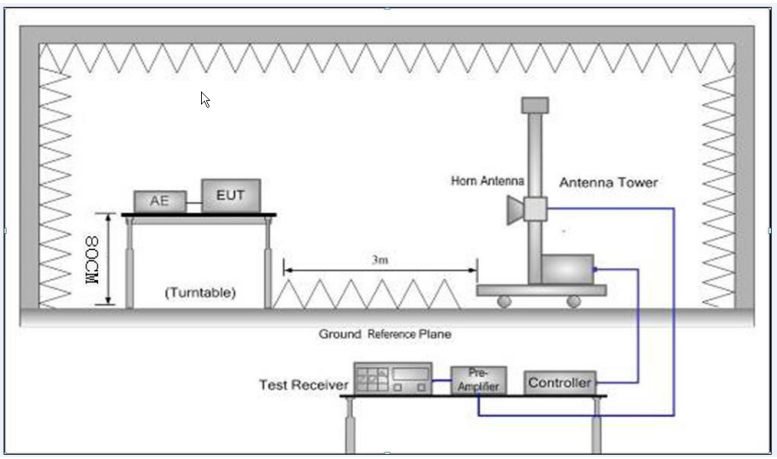
Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

Test setup:

Below 1GHz



Above 1GHz



Test Procedure:

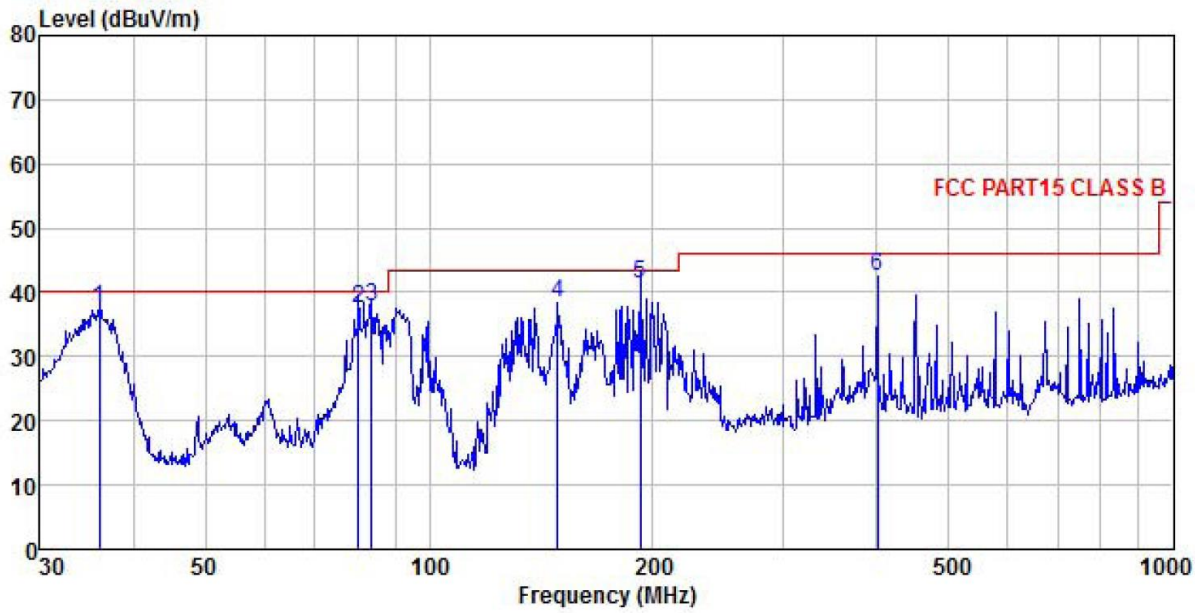
1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded

Measurement Data:

Below 1GHz:

Product Name:	Wireless Object Detector	**Product Model:**	UC2-N
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%

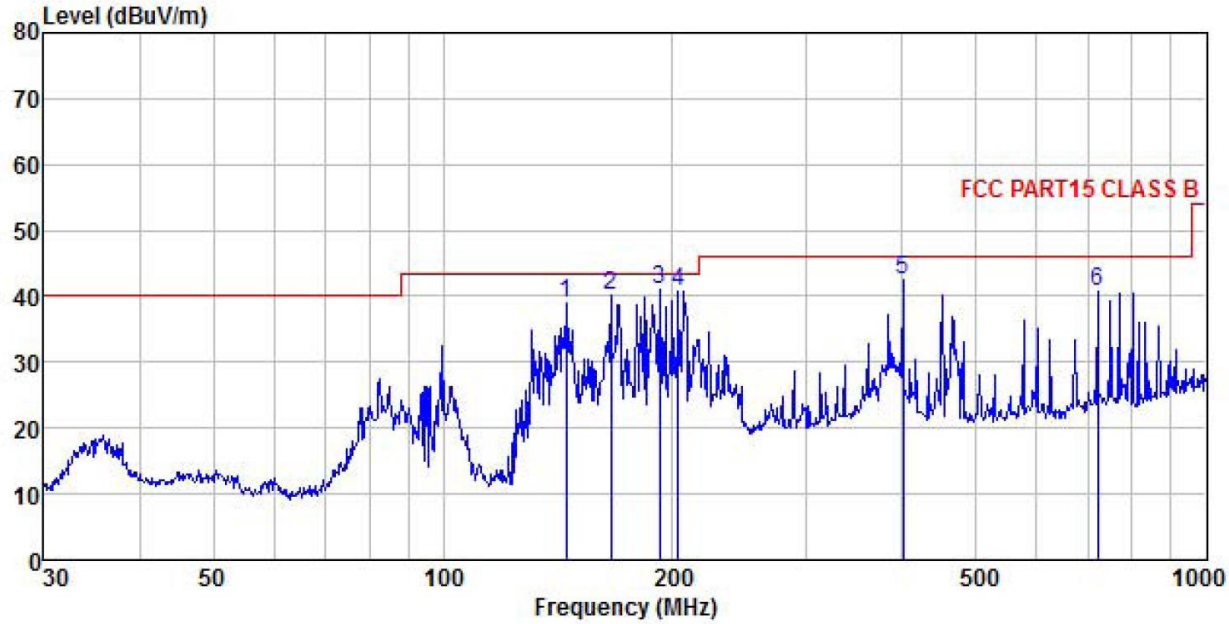


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	36.001	54.46	12.64	0.34	0.00	29.94	37.50	40.00	-2.50	QP
2	80.362	53.94	12.73	0.47	0.00	29.64	37.50	40.00	-2.50	QP
3	83.816	54.96	11.88	0.48	0.00	29.61	37.71	40.00	-2.29	QP
4	148.963	52.85	14.22	0.61	0.00	29.23	38.45	43.50	-5.05	QP
5	192.419	51.86	17.60	0.71	0.00	28.88	41.29	43.50	-2.21	QP
6	400.432	51.19	19.10	0.99	0.00	28.78	42.50	46.00	-3.50	QP

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
3. *The Aux Factor is a notch filter switch box loss, this item is not used.*

Product Name:	Wireless Object Detector	**Product Model:**	UC2-N
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Horizontal
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



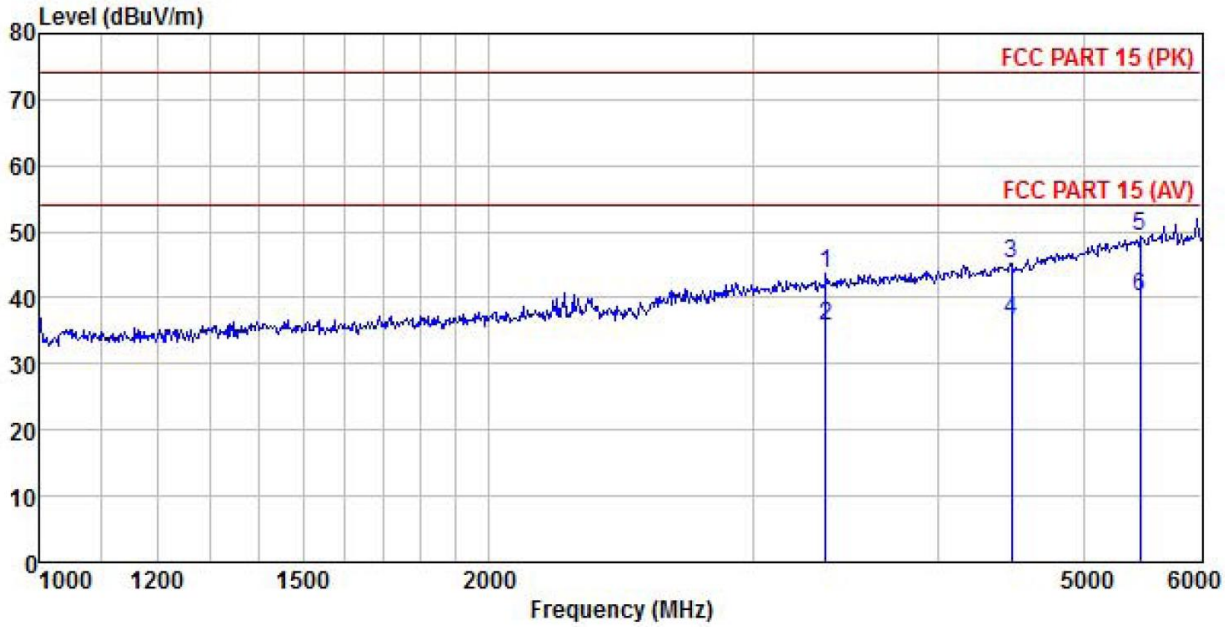
	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	144.842	53.56	13.90	0.61	0.00	29.25	38.82	43.50	-4.68	QP
2	166.068	52.71	15.80	0.65	0.00	29.08	40.08	43.50	-3.42	QP
3	192.419	51.63	17.60	0.71	0.00	28.88	41.06	43.50	-2.44	QP
4	203.523	50.52	18.32	0.72	0.00	28.81	40.75	43.50	-2.75	QP
5	400.432	51.16	19.10	0.99	0.00	28.78	42.47	46.00	-3.53	QP
6	721.726	47.49	20.55	1.34	0.00	28.58	40.80	46.00	-5.20	QP

Remark:

1. *Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
3. *The Aux Factor is a notch filter switch box loss, this item is not used.*

Above 1GHz:

Product Name:	Wireless Object Detector	**Product Model:**	UC2-N
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%

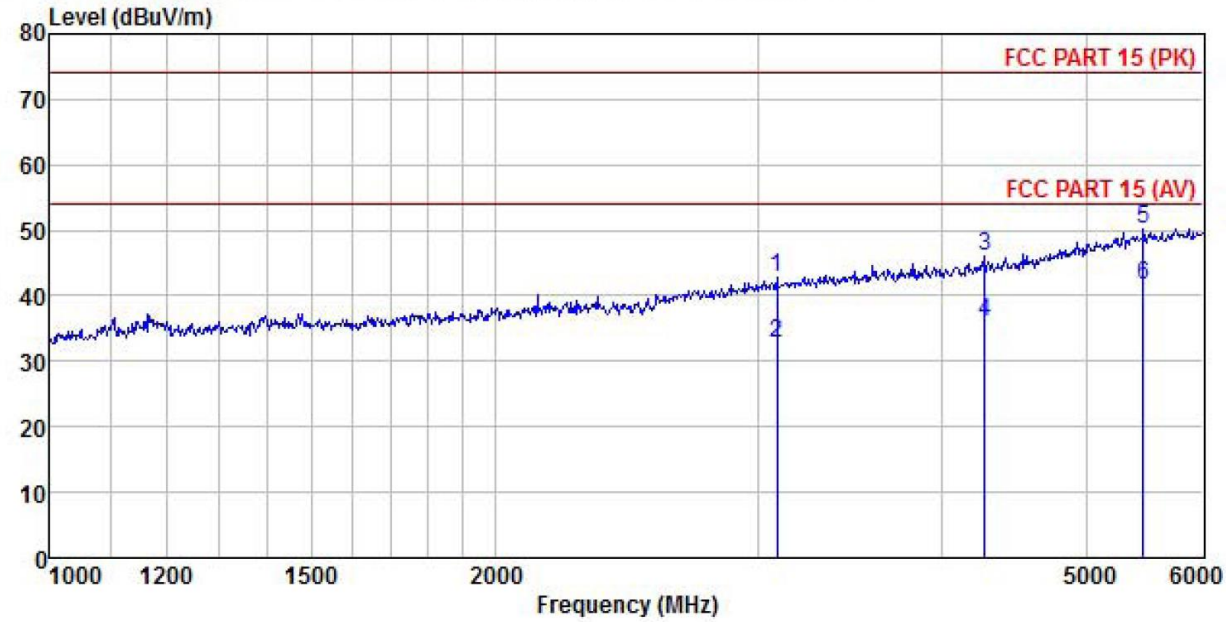


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3361.213	49.09	28.62	5.19	2.12	41.36	43.66	74.00	-30.34	Peak
2	3361.213	41.25	28.62	5.19	2.12	41.36	35.82	54.00	-18.18	Average
3	4474.304	48.65	30.06	6.11	2.34	42.03	45.13	74.00	-28.87	Peak
4	4474.304	39.99	30.06	6.11	2.34	42.03	36.47	54.00	-17.53	Average
5	5456.643	49.32	32.20	6.96	2.64	41.85	49.27	74.00	-24.73	Peak
6	5456.643	40.16	32.20	6.96	2.64	41.85	40.11	54.00	-13.89	Average

Remark:

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

Product Name:	Wireless Object Detector	**Product Model:**	UC2-N
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Horizontal
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3091.412	48.76	28.46	4.97	1.95	41.46	42.68	74.00	-31.32	Peak
2	3091.412	38.73	28.46	4.97	1.95	41.46	32.65	54.00	-21.35	Average
3	4270.150	49.85	29.74	5.97	2.29	41.86	45.99	74.00	-28.01	Peak
4	4270.150	39.86	29.74	5.97	2.29	41.86	36.00	54.00	-18.00	Average
5	5467.271	50.32	32.23	6.97	2.65	41.84	50.33	74.00	-23.67	Peak
6	5467.271	41.53	32.23	6.97	2.65	41.84	41.54	54.00	-12.46	Average

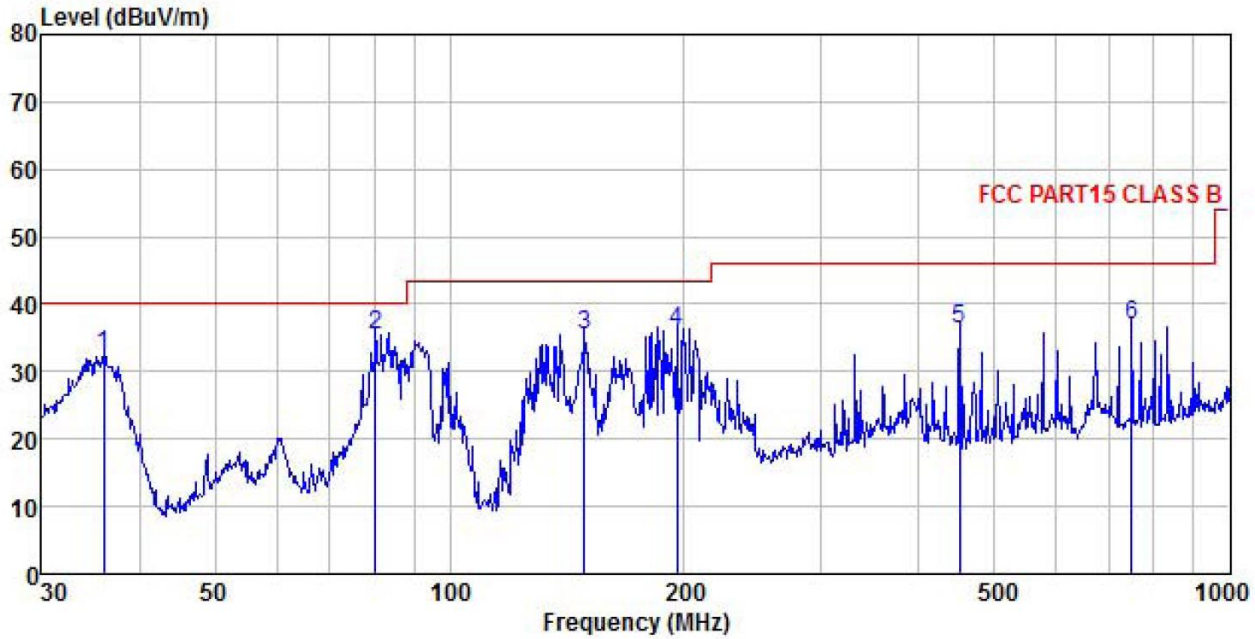
Remark:

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

Measurement Data:

Below 1GHz:

Product Name:	Wireless Object Detector	**Product Model:**	UC2-W
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	36.001	49.46	12.64	0.34	0.00	29.94	32.50	40.00	-7.50	QP
2	80.362	51.94	12.73	0.47	0.00	29.64	35.50	40.00	-4.50	QP
3	148.963	49.85	14.22	0.61	0.00	29.23	35.45	43.50	-8.05	QP
4	195.822	46.15	17.87	0.71	0.00	28.86	35.87	43.50	-7.63	QP
5	451.135	45.02	19.21	1.05	0.00	28.87	36.41	46.00	-9.59	QP
6	750.108	43.50	20.60	1.35	0.00	28.48	36.97	46.00	-9.03	QP

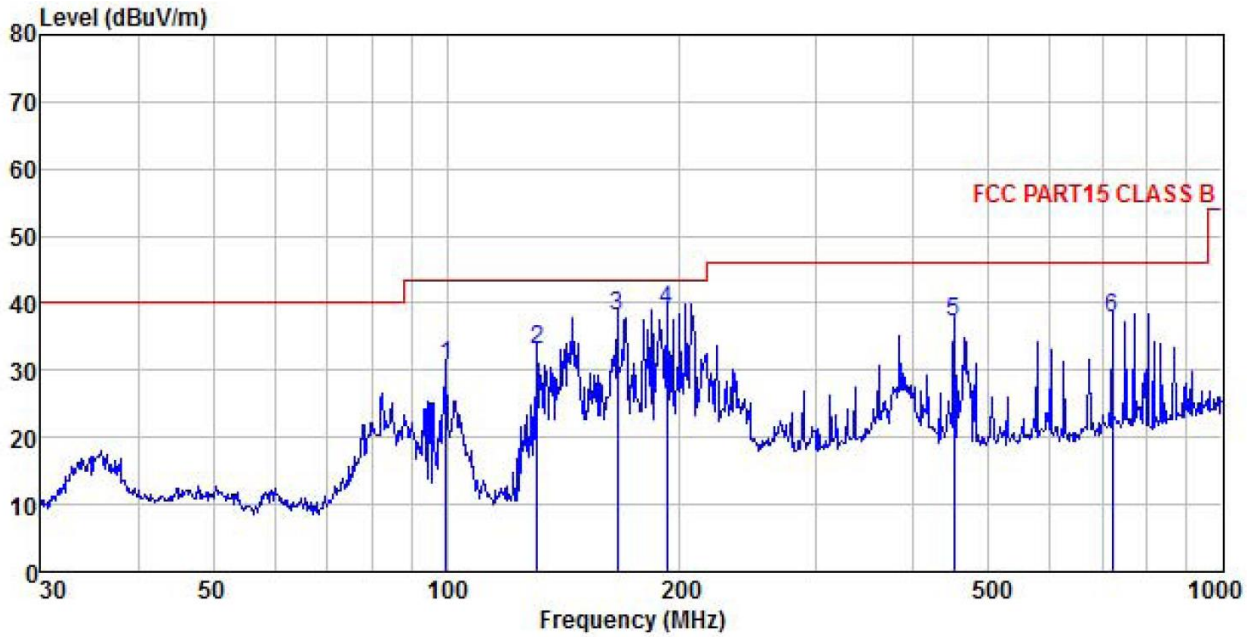
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

3. The Aux Factor is a notch filter switch box loss, this item is not used.

Product Name:	Wireless Object Detector	**Product Model:**	UC2-W
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Horizontal
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	99.878	50.82	8.80	0.52	0.00	29.53	30.61	43.50	-12.89	QP
2	130.837	49.55	12.11	0.59	0.00	29.32	32.93	43.50	-10.57	QP
3	166.068	50.71	15.80	0.65	0.00	29.08	38.08	43.50	-5.42	QP
4	192.419	49.63	17.60	0.71	0.00	28.88	39.06	43.50	-4.44	QP
5	451.135	45.90	19.21	1.05	0.00	28.87	37.29	46.00	-8.71	QP
6	721.726	44.49	20.55	1.34	0.00	28.58	37.80	46.00	-8.20	QP

Remark:

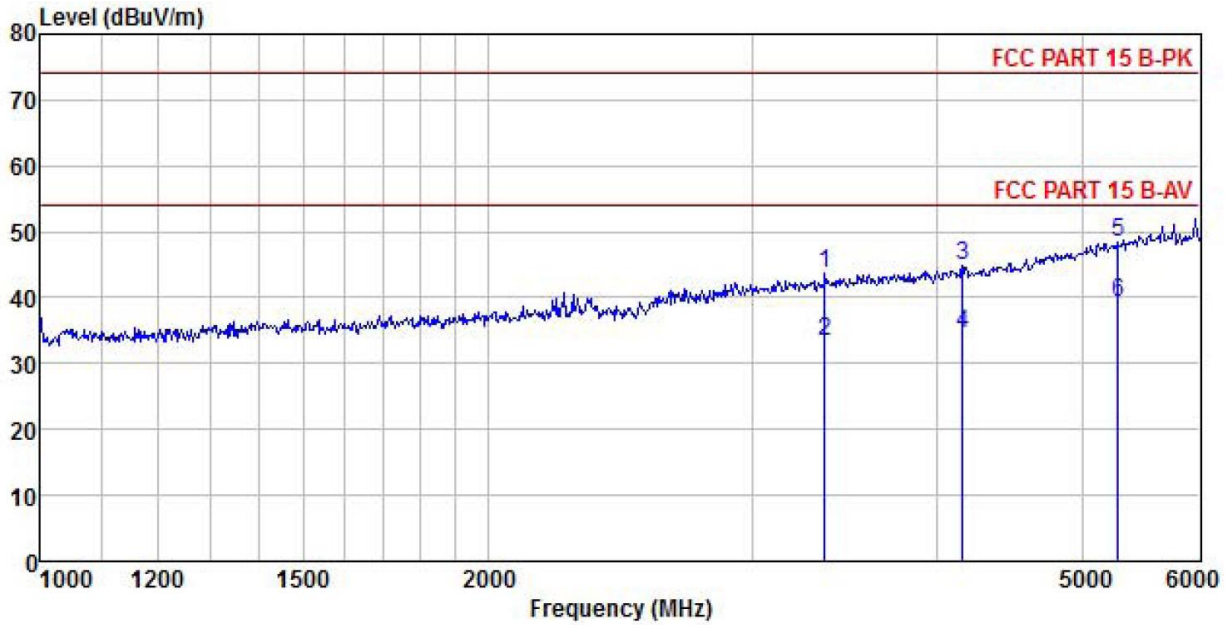
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

3. The Aux Factor is a notch filter switch box loss, this item is not used.

Above 1GHz:

Product Name:	Wireless Object Detector	**Product Model:**	UC2-W
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



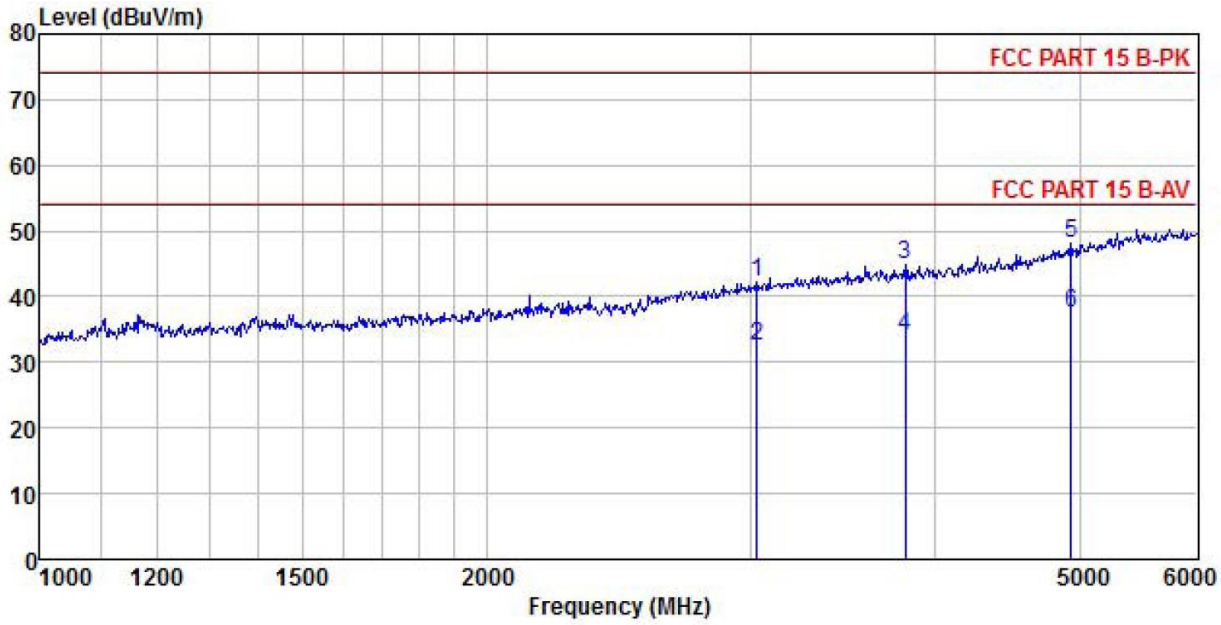
	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3361.213	49.09	28.62	5.19	2.12	41.36	43.66	74.00	-30.34	Peak
2	3361.213	38.65	28.62	5.19	2.12	41.36	33.22	54.00	-20.78	Average
3	4155.390	48.91	29.56	5.89	2.26	41.81	44.81	74.00	-29.19	Peak
4	4155.390	38.76	29.56	5.89	2.26	41.81	34.66	54.00	-19.34	Average
5	5289.370	49.13	31.83	6.81	2.60	41.91	48.46	74.00	-25.54	Peak
6	5289.370	39.86	31.83	6.81	2.60	41.91	39.19	54.00	-14.81	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	Wireless Object Detector	**Product Model:**	UC2-W
Test By:	YT	**Test mode:**	Working mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Horizontal
Test Voltage:	AC 120/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3031.837	48.45	28.42	4.92	1.92	41.49	42.22	74.00	-31.78	Peak
2	3031.837	38.77	28.42	4.92	1.92	41.49	32.54	54.00	-21.46	Average
3	3814.411	49.75	29.08	5.60	2.20	41.79	44.84	74.00	-29.16	Peak
4	3814.411	38.79	29.08	5.60	2.20	41.79	33.88	54.00	-20.12	Average
5	4931.516	49.82	31.05	6.50	2.48	41.86	47.99	74.00	-26.01	Peak
6	4931.516	39.45	31.05	6.50	2.48	41.86	37.62	54.00	-16.38	Average

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