

# FCC TEST REPORT

**Test report  
On Behalf of  
Bisa Technologies (Hong Kong) Ltd.  
For  
POE Multi-Reader  
Model No.: B24RRO-4P01  
FCC ID: 2AE6K-B24RRO-4P01**

**Prepared for :**    **Bisa Technologies (Hong Kong) Ltd.**  
**Unit 1102, 11/F., Trans Asia Centre, 18 Kin Hong Street, Kwai Chung, N.T., Hong Kong**

**Prepared By :**    **WST Certification & Testing (HK) Limited**  
**12/F., San Toi Building, 137-139 Connaught Road Central, Hong Kong**

**Date of Test:**       **June 15, 2015 ~ June 23, 2015**

**Date of Report:**    **June 23, 2015**

**Report Number:**   **WST150623006**

## TEST RESULT CERTIFICATION

**Applicant's name** ..... : Bisa Technologies (Hong Kong) Ltd.  
Address ..... : Unit 1102, 11/F., Trans Asia Centre, 18 Kin Hong Street, Kwai  
Chung, N.T., Hong Kong  
**Manufacture's Name** ..... : Bisa Technologies (Hong Kong) Ltd.  
Address ..... : Unit 1102, 11/F., Trans Asia Centre, 18 Kin Hong Street, Kwai  
Chung, N.T., Hong Kong

### Product description


Trade Mark: N/A  
Product name ..... : POE Multi-Reader  
Model and/or type reference : B24RRO-4P01  
**Standards** ..... : FCC Rules and Regulations Part 15 Subpart C Section 15.249  
ANSI C63.4: 2009

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### Date of Test .....

Date (s) of performance of tests ..... : June 15, 2015 ~ June 23, 2015  
Date of Issue ..... : June 23, 2015  
Test Result ..... : Pass

Testing Engineer :



(Eric Xie)

Technical Manager :



(Dora Qin)

Authorized Signatory :



(Kait Chen)

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## 1.. TEST SUMMARY

### 1.1. TEST PROCEDURES AND RESULTS

DESCRIPTION OF TEST	RESULT
CONDUCTED EMISSIONS TEST	COMPLIANT
RADIATED EMISSION TEST	COMPLIANT
BAND EDGE	COMPLIANT
OCCUPIED BANDWIDTH MEASUREMENT	COMPLIANT
ANTENNA REQUIREMENT	COMPLIANT

### 1.2. TEST FACILITY

Test Firm : Shenzhen WST Testing Technology Co., Ltd.  
Certificated by FCC, Registration No.: 939433  
Address : 1F, No.9 Building, TGK Science & Technology Park, Yangtian Rd.,  
NO.72 Bao'an Dist., Shenzhen, Guangdong, China. 518101  
Tel : (86)755-33916437  
Fax : (86)755-27822175

### 1.3. MEASUREMENT UNCERTAINTY

Measurement Uncertainty	
Conducted Emission Expanded Uncertainty	= 2.23dB, k=2
Radiated emission expanded uncertainty(9kHz-30MHz)	= 3.08dB, k=2
Radiated emission expanded uncertainty(30MHz-1000MHz)	= 4.42dB, k=2
Radiated emission expanded uncertainty(Above 1GHz)	= 4.06dB, k=2

## 2.. GENERAL INFORMATION

### 2.1. GENERAL DESCRIPTION OF EUT

Equipment	POE Multi-Reader
Model Name	B24RRO-4P01
Serial No	N/A
FCC ID	2AE6K-B24RRO-4P01
Model Difference	N/A
Antenna Type	External Antenna
Antenna Gain	2dBi
Operation frequency	2405-2463MHz
Number of Channels	59CH
Modulation Type	GFSK
Power Source	DC 7.5V/0.8A
Power Rating	Input:AC100-240V,50/60Hz,0.2A,output:DC7.5V,0.8A
Adapter Model	GFP051U-7508

### 2.1.1. Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2405	31	2435		
02	2406	32	2436		
03	2407	33	2437		
04	2408	34	2438		
05	2409	35	2439		
06	2410	36	2440		
07	2411	37	2441		
08	2412	38	2442		
09	2413	39	2443		
10	2414	40	2444		
11	2415	41	2445		
12	2416	42	2446		
13	2417	43	2447		
14	2418	44	2448		
15	2419	45	2449		
16	2420	46	2450		
17	2421	47	2451		
18	2422	48	2452		
19	2423	49	2453		
20	2424	50	2454		
21	2425	51	2455		
22	2426	52	2456		
23	2427	53	2457		
24	2428	54	2458		
25	2429	55	2459		
26	2430	56	2460		
27	2431	57	2461		
28	2432	58	2462		
29	2433	59	2463		
30	2434				

### Operation of EUT during testing

Operating Mode

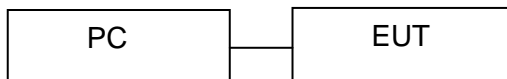
The mode is used: **Transmitting mode**

Low Channel: 2405MHz

Middle Channel: 2434MHz

High Channel: 2463MHz

### 2.2. DESCRIPTION OF TEST SETUP



### 2.3. MEASUREMENT INSTRUMENTS LIST

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Receiver	Rohde & Schwarz	ESCI	100627	May 19, 2015	1 Year
2.	LISN	SchwarzBeck	NSLK 8126	8126377	May 19, 2015	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	May 19, 2015	1 Year
4.	EMI Test Software ES-K1	Rohde & Schwarz	N/A	N/A	N/A	N/A
5.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	May 19, 2015	1 Year
6.	Trilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	May 17, 2015	1 Year
7.	Pre-amplifier	Compliance Direction	PAP-0203	22008	May 19, 2015	1 Year
8.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
9.	EMI Receiver	Rohde & Schwarz	ESCI	100627	May 19, 2015	1 Year
10.	LISN	SchwarzBeck	NSLK 8126	8126377	May 19, 2015	1 Year
11.	RF Switching Unit	Compliance Direction	RSU-M2	38303	May 19, 2015	1 Year
12.	EMI Test Software ES-K1	Rohde & Schwarz	N/A	N/A	N/A	N/A
13.	EMI Receiver	Rohde & Schwarz	ESCI	100627	May 19, 2015	1 Year
14.	EMI Receiver	Rohde & Schwarz	ESCI	100627	May 19, 2015	1 Year
15.	LISN	SchwarzBeck	NSLK 8126	8126377	May 19, 2015	1 Year
16.	RF Switching Unit	Compliance Direction	RSU-M2	38303	May 19, 2015	1 Year
17.	EMI Test Software ES-K1	Rohde & Schwarz	N/A	N/A	N/A	N/A
18.	Programmable AC Power source	SOPH POWER	PAG-1050	630250	May 26, 2015	1 Year
19.	Harmonic and Flicker Analyzer	LAPLACE	AC2000A	272629	May 26, 2015	1 Year
20.	Harmonic and Flicker Test Software AC 2000A	LAPLACE	N/A	N/A	N/A	N/A
21.	ESD Simulators	KIKUSUI	KES4021	LJ003477	May 25, 2015	1 Year
22.	EFT Generator	EMPEK	EFT-4040B	0430928N	May 19, 2015	1 Year
23.	Shielding Room	ChangZhou ZhongYu	JB88	SEL0166	May 19, 2015	1 Year
24.	Signal Generator 9KHz~2.2GHz	R&S	SML02	SEL0143	May 19, 2015	1 Year
25.	Signal Generator 9KHz~1.1GHz	R&S	SML01	SEL0135	May 19, 2015	1 Year
26.	Power Meter	R&S	NRVS	SEL0144	May 19, 2015	1 Year
27.	RF Level Meter		URV35	SEL0137	May 19, 2015	1 Year
28.	Audio Analyzer	R&S	UPL	SEL0136	May 19, 2015	1 Year
29.	RF-Amplifier 150KHz~150MH	BONN Elektronik	BSA1515-25	SEL0157	May 19, 2015	1 Year



	z					
30.	Stripline Test Cell	Erika Fiedler	VDE0872	SEL0167	N/A	N/A
31.	TV Test Transmitter	R&S	SFM	SEL0159	May 17, 2015	1 Year
32.	TV Generator PAL	R&S	SGPF	SEL0138	May 19, 2015	1 Year
33.	TV Generator Ntsc	R&S	SGMF	SEL0140	May 19, 2015	1 Year
34.	TV Generator Secam	R&S	SGSF	SEL0139	May 19, 2015	1 Year
35.	TV Test Transmitter 0.3MHz~3300MHz	R&S	SFQ	SEL0142	May 19, 2015	1 Year
36.	MPEG2 Measurement Generator	R&S	DVG	SEL0141	May 19, 2015	1 Year
37.	Spectrum Analyzer	R&S	FSP	SEL0177	May 19, 2015	1 Year
38.	Matching	R&S	RAM	SEL0146	N/A	N/A
39.	Matching	R&S	RAM	SEL0148	N/A	N/A
40.	Absorbing Clamp	R&S	MDS21	SEL0158	May 17, 2015	1 Year
41.	Coupling Set	Erika Fiedler	Rco, Rci, MC, AC, LC	SEL0149	N/A	N/A
42.	Filters	Erika Fiedler	Sr, LBS	SEL0150	N/A	N/A
43.	Matching Network	Erika Fiedler	MN, T1	SEL0151	N/A	N/A
44.	Fully Anechoic Room	ChangZhou ZhongYu	854	SEL0169	Jun. 10, 2015	1 Year
45.	Signal Generator	R&S	SML03	SEL0068	May 17, 2015	1 Year
46.	RF-Amplifier 30M~1GHz	Amplifier Reasearch	250W1000A	SEL0066	Oct. 24, 2014	1 Year
47.	RF-Amplifier 0.8~3.0GHz	Amplifier Reasearch	60S1G3	SEL0065	Oct. 24, 2014	1 Year
48.	Power Meter	R&S	NRVD	SEL0069	May 17, 2015	1 Year
49.	Power Sensor	R&S	URV5-Z2	SEL0071	May 17, 2015	1 Year
50.	Power Sensor	R&S	URV5-Z2	SEL0072	May 17, 2015	1 Year
51.	Software EMC32	R&S	EMC32-S	SEL0082	N/A	N/A
52.	Log-periodic Antenna	Amplifier Reasearch	AT1080	SEL0073	N/A	N/A
53.	Antenna Tripod	Amplifier Reasearch	TP1000A	SEL0074	N/A	N/A
54.	High Gain Horn Antenna(0.8-5G Hz)	Amplifier Reasearch	AT4002A	SEL0075	N/A	N/A

### 3.. CONDUCTED EMISSIONS TEST

#### 3.1 Conducted Power Line Emission Limit

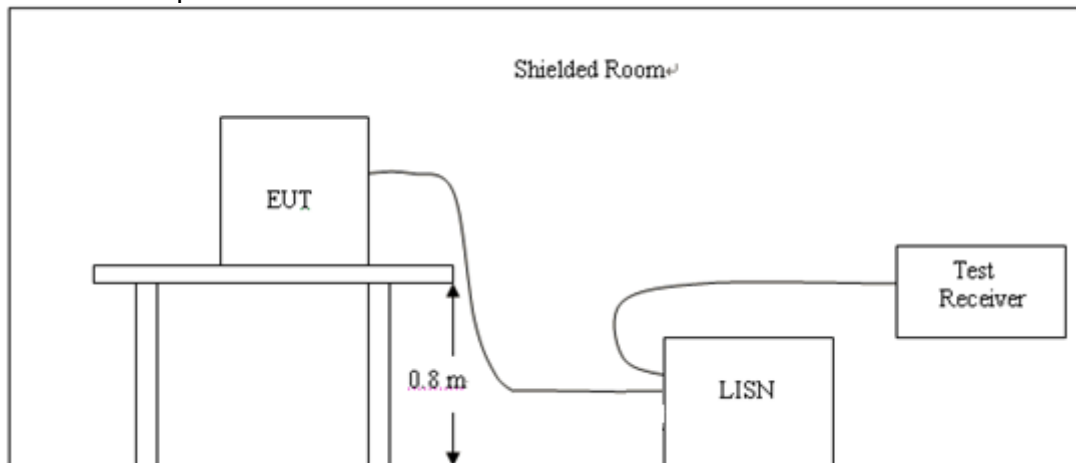
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

Frequency (MHz)	Maximum RF Line Voltage (dBμV)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

\* Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

#### 3.2 Test Setup

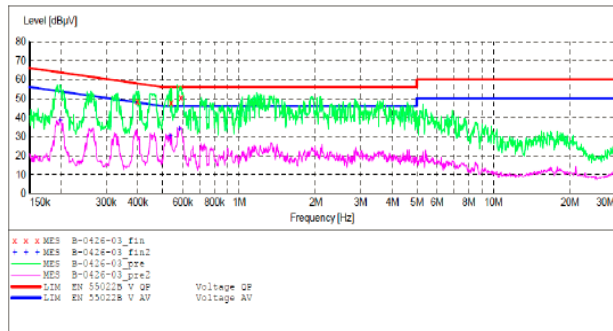


#### 3.3 Test Procedure

- 1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4.
- 2, Support equipment, if needed, was placed as per ANSI C63.4.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

### 3.4 Test Result

PASS

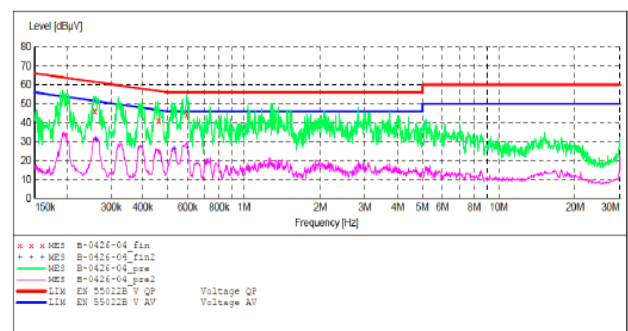


#### MEASUREMENT RESULT: "B-0426-03\_fin"

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	FE
0.397299	48.60	11.8	58	9.3	QP	L1	GND
0.540273	47.50	12.0	56	8.5	QP	L1	GND
0.589868	50.30	12.0	56	5.7	QP	L1	GND

#### MEASUREMENT RESULT: "B-0426-03\_fin2"

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	FE
0.197568	38.30	11.2	54	15.4	AV	L1	GND
0.533841	30.10	12.0	46	15.9	AV	L1	GND
0.582846	34.20	12.0	46	11.8	AV	L1	GND



#### MEASUREMENT RESULT: "B-0426-04\_fin"

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	FE
0.258152	46.00	11.5	62	15.5	QP	N	GND
0.460537	40.90	11.9	57	15.8	QP	N	GND
0.594596	44.10	12.0	56	11.9	QP	N	GND

#### MEASUREMENT RESULT: "B-0426-04\_fin2"

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	FE
0.261263	30.80	11.5	51	20.6	AV	N	GND
0.531714	26.10	12.0	46	19.9	AV	N	GND
0.596975	27.00	12.0	46	19.0	AV	N	GND

## 4 RADIATED EMISSION TEST

### 4.1 Radiation Limit

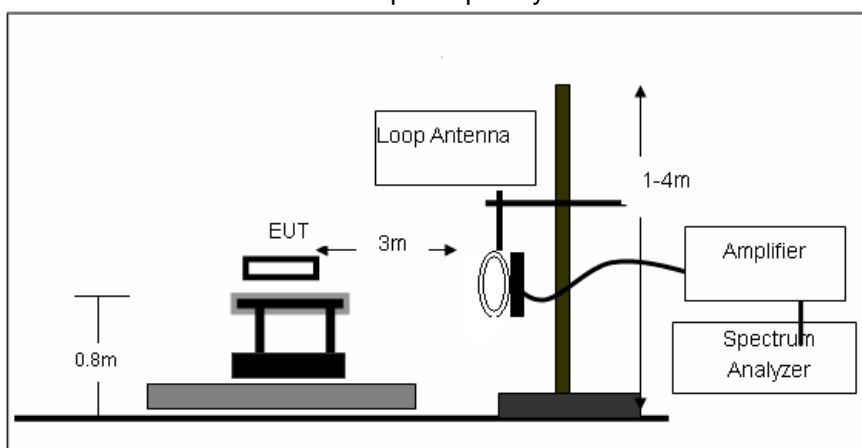
For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009-0.490	300	$2400/\text{F}(\text{KHz})$	$67.6-20\log(\text{F})$
0.490-1.705	30	$24000/\text{F}(\text{KHz})$	$87.6-20\log(\text{F})$
1.705-30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	
Field Strength of Fundamental emission for 2.4GHz-2.4835GHz	3	94.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average) 114.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak)	

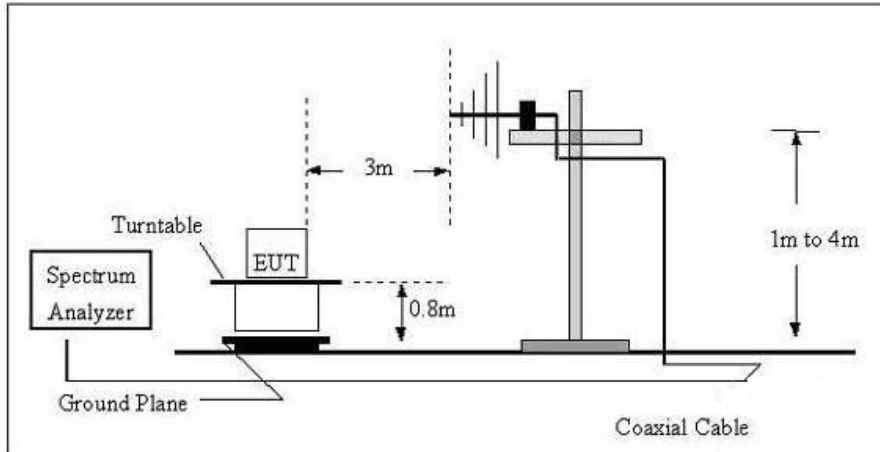
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

### 4.2 Test Setup

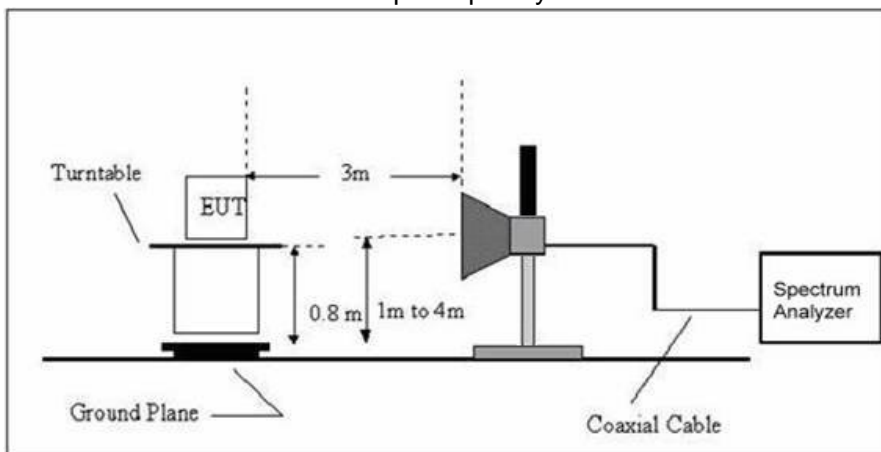
#### (1) Radiated Emission Test-Up Frequency Below 30MHz



#### (2) Radiated Emission Test-Up Frequency 30MHz~1GHz



### (3) Radiated Emission Test-Up Frequency Above 1GHz



#### 4.3 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. Based on the Frequency Generator in the device include 26MHz. The test frequency range from 9KHz to 25GHz per FCC PART 15.33(a).

#### Note:

Three axes are chosen for pretest, the Y axis is the worst mode for final test.  
For battery operated equipment, the equipment tests shall be performed using a new battery.

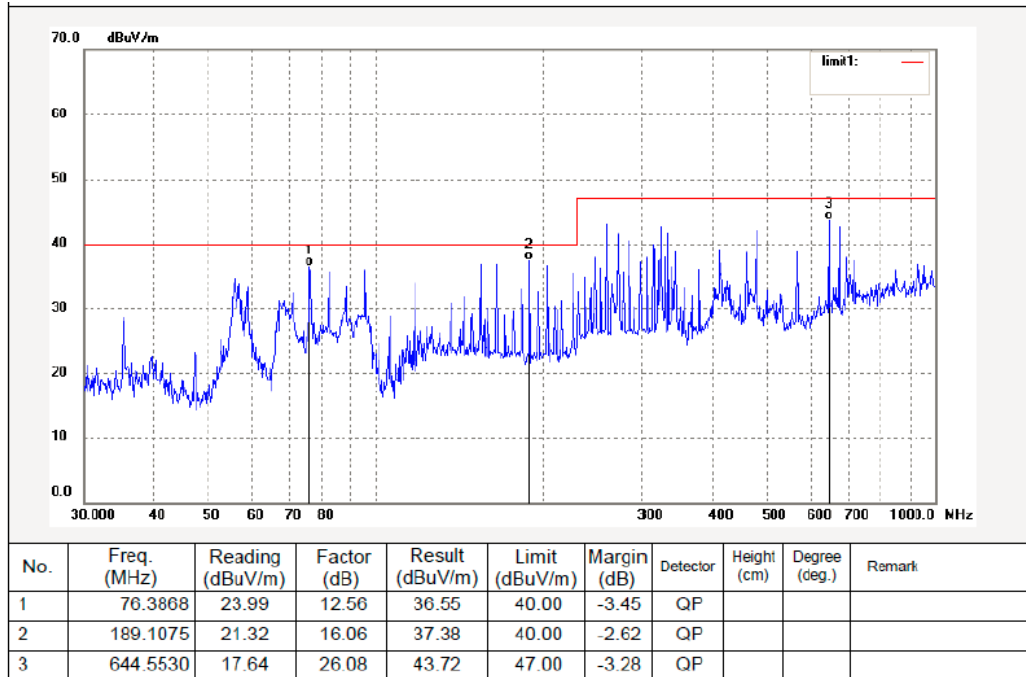
#### 4.4 Test Result

##### PASS

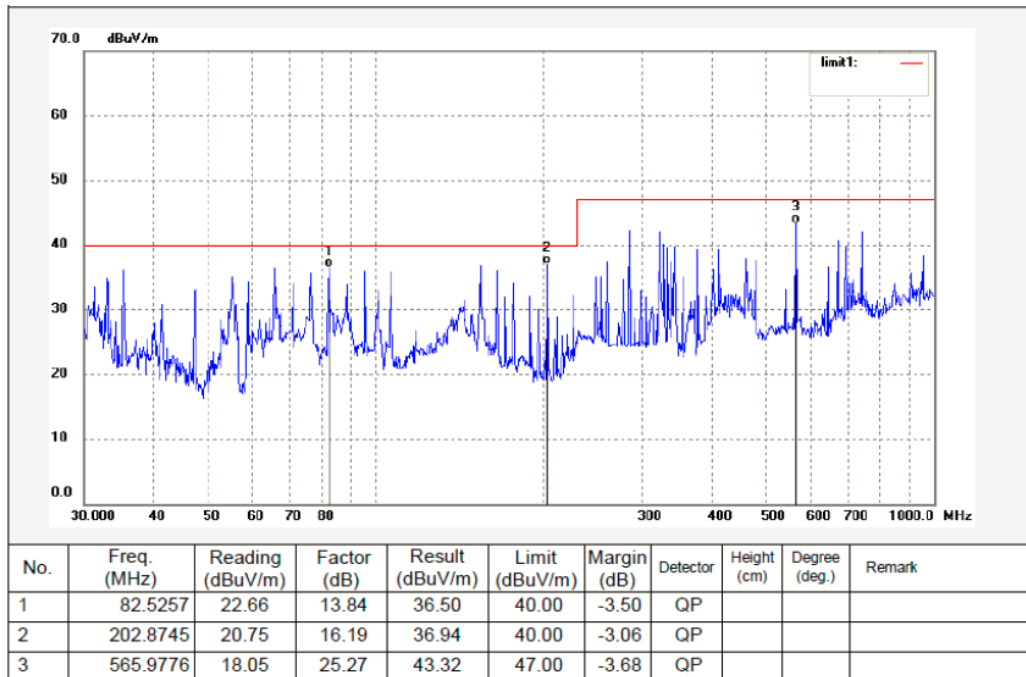
All the test modes completed for test. The worst case of Radiated Emission Is Low CH; the test data of this mode was reported.

### Below 1GHz Test Results:

H



V



### Remark:

- (1) Measuring frequencies from 9 KHz to the 1 GHz, Radiated emission test from 9KHz to 30MHz was verified, and no any emission was found except system noise floor.
- (2) \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.

# Above 1 GHz Test Results:

Horizontal  
CH Low (2405MHz)

No.	Frequency(MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	PK/AV
1	2405.00	95.65	114.00	18.35	PK
	2405.00	88.54	94.00	5.46	AV
2	4810.00	63.54	74.00	10.46	PK
	4810.00	49.98	54.00	4.20	AV
3	5325.30	56.26	74.00	17.74	PK
	5325.30	43.51	54.00	10.49	AV
4	7215.00	56.45	74.00	17.55	PK
	7215.00	42.41	54.00	11.59	AV
....	.....	.....	.....	.....	

Vertical  
CH Low (2405MHz)

No.	Frequency(MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	PK/AV
1	2405.00	96.54	114.00	17.46	PK
	2405.00	89.68	94.00	4.32	AV
2	4810.00	55.54	74.00	18.46	PK
	4810.00	41.45	54.00	12.55	AV
3	5325.30	65.45	74.00	8.55	PK
	5325.30	50.26	54.00	3.74	AV
4	7215.00	56.30	74.00	17.7	PK
	7215.00	43.42	54.00	10.58	AV
....	.....	.....	.....		

Horizontal  
Middle Low (2434MHz)

No.	Frequency(MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	PK/AV
1	2434.00	98.57	114.00	15.43	PK
	2434.00	88.69	94.00	5.31	AV
2	4868.00	55.36	74.00	18.64	PK
	4868.00	41.54	54.00	12.46	AV
3	5330.00	61.54	74.00	12.46	PK
	5330.00	45.32	54.00	8.68	AV
4	7302.00	56.26	74.00	17.74	PK
	7302.00	43.51	54.00	10.49	AV
....	.....	.....	.....	.....	

Vertical  
CH Low (2434MHz)

No.	Frequency(MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	PK/AV
1	2434.00	98.65	114.00	15.35	PK
	2434.00	90.24	94.00	3.76	AV
2	4868.00	56.25	74.00	17.75	PK
	4868.00	42.41	54.00	11.59	AV
3	5330.00	62.69	74.00	11.31	PK
	5330.00	49.68	54.00	4.32	AV
4	7302.00	56.54	74.00	17.46	PK
	7302.00	43.36	54.00	10.64	AV
....	.....	.....	.....	.....	



Horizontal  
Middle Low (2463MHz)

No.	Frequency(MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	PK/AV
1	2463.00	97.68	114.00	16.32	PK
	2463.00	88.97	94.00	5.03	AV
2	4926.00	56.59	74.00	17.41	PK
	4926.00	39.54	54.00	14.46	AV
3	5350.00	53.56	74.00	17.64	PK
	5350.00	42.48	54.00	11.52	AV
4	7389.00	59.89	74.00	11.41	PK
	7389.00	46.36	54.00	7.64	AV
....	.....	.....	.....	.....	

Vertical  
CH Low (2463MHz)

No.	Frequency(MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	PK/AV
1	2463.00	97.85	114.00	16.15	PK
	2463.00	89.86	94.00	4.14	AV
2	4926.00	58.69	74.00	15.31	PK
	4926.00	42.74	54.00	11.26	AV
3	5350.00	55.41	74.00	18.59	PK
	5350.00	42.40	54.00	11.60	AV
4	7389.00	60.88	74.00	13.12	PK
	7389.00	48.65	54.00	5.35	AV
....	.....	.....	.....	.....	

Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) 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.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.

## 5 BAND EDGE

### 5.1 Limits

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

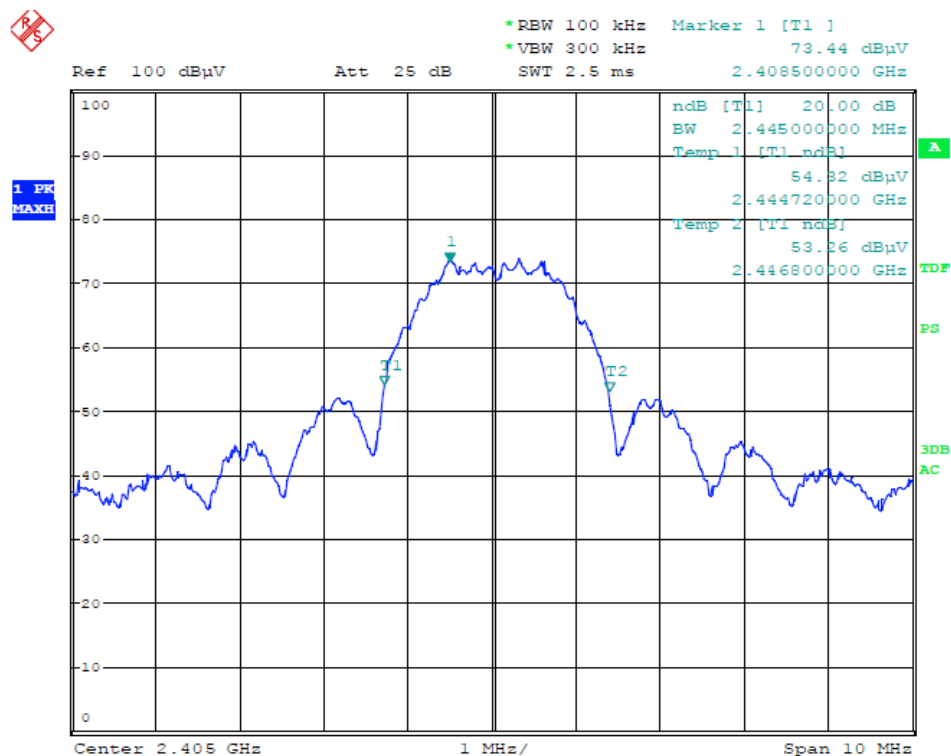
### 5.2 Test Procedure

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.4 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW to 100KHz and VBM to 300KHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength. The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 100 KHz and VBM to 300 KHz, to measure the conducted peak band edge.

### 5.3 Test Result

**PASS**

Frequency (MHz)	Antenna Polarization (H/V)	Emission Level(DBuV)		Limit 3m(dBuV/m)		Margin (dB)	
		Peak	AV	Peak	AV	Peak	AV
< 2400	H	46.27	35.51	74.00	54.00	-27.73	-18.49
< 2400	V	45.12	35.63	74.00	54.00	-28.88	-18.37
>2483.5	H	47.60	37.74	74.00	54.00	-26.40	-16.26
>2483.5	V	47.12	35.44	74.00	54.00	-26.88	-18.56



## 7 ANTENNA REQUIREMENT

### Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.249, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

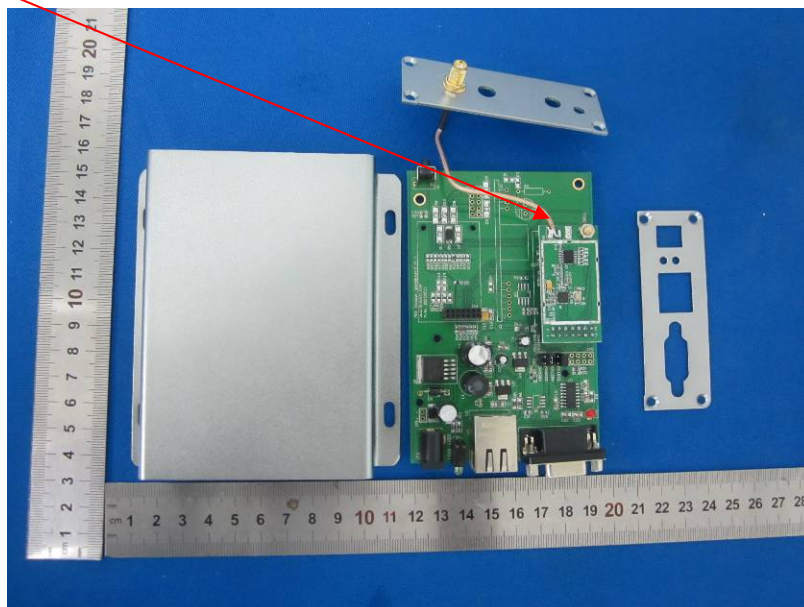
### Refer to statement below for compliance.

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

### Antenna Connected Construction

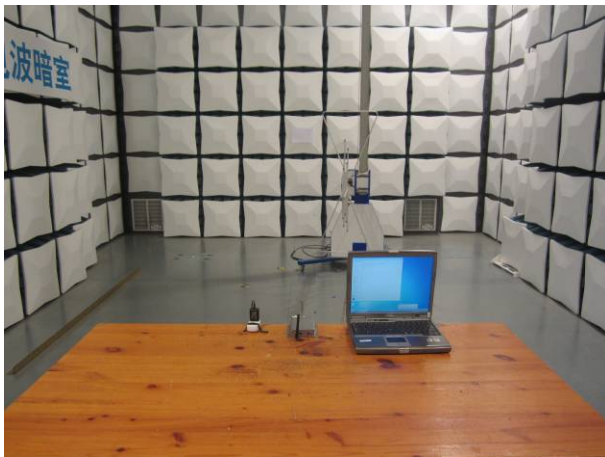
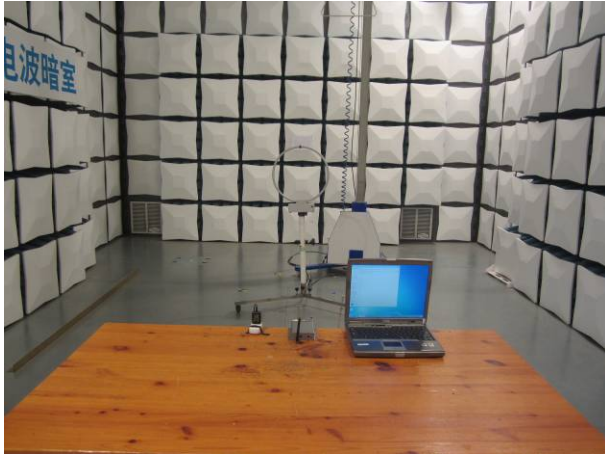
The antenna used in this product is a External Antenna, The directional gains of antenna used for transmitting is 2dBi.

### ANTENNA



## 8 PHOTOGRAPH OF TEST

### 8.1 Radiated Emission



## 8.2 AC Power Line Conducted Emission

