Page 1 of 23 Report No.: AiTSZ-240926014FW1

# **TEST REPORT**

**Product Name**: Ceiling fan light remote control

Brand Name : N/A

**Model** : A8003

Series Model : A8004, A8005, A8006, A8007, A8008, A8012, A8013, A8015

**FCC ID** : 2BLKG-A8003

Applicant : Zhongshan Kedu Lighting Co., Ltd

Address: 3rd Floor, Building 1, No. 133 Zhongxing Avenue North, Guzhen

Town, Zhongshan City

Manufacturer : Zhongshan Kedu Lighting Co., Ltd

Address: 3rd Floor, Building 1, No. 133 Zhongxing Avenue North, Guzhen

Town, Zhongshan City

Standard(s): FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of Receipt: Sept.26, 2024

**Date of Test** : Sept.26, 2024~ Oct.21, 2024

Issued Date : Oct.21, 2024

Issued By:

**Guangdong Asia Hongke Test Technology Limited** 

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street,

Bao'an District, Shenzhen, Guangdong, China

Tel.: +86 0755-230967639 Fax.: +86 0755-230967639

Reviewed by:

Leon.yi

Approved by

Sean Sh

Note: This device has been tested and found to comply with the standard(s) listed, this test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory. This report shall not be reproduced except in full, without the written approval of Guangdong Asia Hongke Test Technology Limited. If there is a need to alter or revise this document, the right belongs to Guangdong Asia Hongke Test Technology Limited, and it should give a prior written notice of the revision document. This test report must not be used by the client to claim product endorsement.





Report Revise Record

28

Page 1 of

Report Version	Issued Date	Notes
M1	Oct.21, 2024	Initial Release



# **Contents**

Report No.: AITSZ23112801FW1

1.	TEST SUMMARY	
	1.1. TEST STANDARDS	
	1.2. TEST DESCRIPTION	
	1.3. TABLE OF CARRIER FREQUENCY	∠
	1.4. MEASUREMENT UNCERTAINTY	
	1.5. ENVIRONMENTAL CONDITIONS	
2.	. GENERAL INFORMATION	(
	2.1. GENERAL DESCRIPTION OF EUT	6
	2.2. MEASUREMENT INSTRUMENTS LIST	
	2.3. DESCRIPTION OF TEST MODES	
	2.4. TEST SOFTWARE	
3.	. TEST ITEM AND RESULTS	9
	3.1. ANTENNA REQUIREMENT	
	3.2. 20db BANDWIDTH	10
	3.3. CONDUCTED EMISSION	12
	3.4. RADIATED SPURIOUS EMISSIONS	14
	3.5. BAND EDGE AND RESTRICTED BAND EMISSIONS(RADIATED)	
4.	TEST SETUP PHOTOGRAPHS OF EUT	25
5.	EXTERNAL PHOTOGRAPHS OF EUT	23
_	INTERNAL BUOTOCRADUC OF FUT	2.



# 1. TEST SUMMARY

# 1.1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15.249: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

## 1.2. TEST DESCRIPTION

FCC Rules Part 15.249			
Took Itoms	Section in CFR 47	Decult	Test
Test Item	FCC	Result	Engineer
Antenna requirement	15.203	Pass	Simba Huang
AC Power Line Conducted Emissions	15.207	N/A	/
20dB Bandwidth	Section 15.215(c)	Pass	Simba Huang
Band edge & Restricted band Emissions	Section 15.249(d), Section 15.205(a)	Pass	Simba Huang
Radiated Spurious Emissions	Section 15.205(a), Section 15.209(a), Section 15.249, Section 15.35	Pass	Simba Huang

#### Note:

- 1. The measurement uncertainty is not included in the test result.
- 2. "N/A" indicates that it is not applicable.

## 1.3. TABLE OF CARRIER FREQUENCY

Channel	Frequency	Channel	Frequency	Channel	Frequency
Number	MHz	Number	MHz	Number	MHz
1	2420	1	1	1	1



#### 1.4. MEASUREMENT UNCERTAINTY

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods — Part 4: Uncertainty in EMC Measurements" and is documented in the Guangdong Asia Hongke Test Technology Limited's quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Asia Hongke laboratory is reported:

Test	Measurement Uncertainty	Notes
Power Line Conducted Emission	150KHz~30MHz ±1.20 dB	(1)
Radiated Emission	9KHz~30Hz ±3.10dB	(1)
Radiated Emission	9KHz~1GHz ±3.75dB	(1)
Radiated Emission	1GHz~18GHz ±3.88 dB	(1)
Radiated Emission	18GHz-40GHz ±3.88dB	(1)
RF power, conducted	30MHz~6GHz ±0.16dB	(1)
RF power density, conducted	±0.24dB	(1)
Spurious emissions, conducted	±0.21dB	(1)
Temperature	±1℃	(1)
Humidity	±3%	(1)
DC and low frequency voltages	±1.5%	(1)
Time	±2%	(1)
Duty cycle	±2%	(1)

The report uncertainty of measurement y  $\pm$  U, where expended uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of k=2 , providing a level of confidence of approximately 95%

### 1.5. ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba



# 2. GENERAL INFORMATION

# 2.1. GENERAL DESCRIPTION OF EUT

Product Name:	Ceiling fan light remote control	
Model/Type reference:	A8003	
Power Supply:	DC 3.0V from battery	
Hardware version.:	V1.0	
Software version.:	V1.0	
Sample(s) Status:	AiTSZ-240926014-1(Normal sample) AiTSZ-240926014-2(Engineer sample)	
2.4G SRD:		
Supported type:	2.4G wireless protocol	
Modulation:	GFSK	
Operation frequency:	2402MHz	
Channel number:	1	
Antenna type:	PCB Antenna	
Antenna gain:	2.499 dBi	

#### Remark:

The above DUT's information was declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



# 2.2. MEASUREMENT INSTRUMENTS LIST

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	Spectrum Analyzer	R&S	FSV40	101470	2024.09.25	2025.09.24
2	Spectrum Analyzer	Keysight	N9020A	MY51280643	2024.09.25	2025.09.24
3	EMI Measuring Receiver	R&S	ESR	101660	2024.09.25	2025.09.24
4	Low Noise Pre-Amplifier	HP	HP8447E	1937A01855	2024.09.25	2025.09.24
5	Low Noise Pre-Amplifier	Tsj	MLA-0120-A02- 34	2648A04738	2024.09.25	2025.09.24
6	Passive Loop	ETS	6512	00165355	2024.09.25	2025.09.24
7	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9160	9160-3206	2024.08.28	2027.08.27
8	Broadband Horn Antenna	SCHWARZBECK	BBHA9120D	452	2024.08.28	2027.08.27
9	SHF-EHF Horn Antenna 15-40GHz	SCHWARZBECK	BBHA9170	BBHA9170367d	2024.08.28	2027.08.27
10	EMI Measuring Receiver	R&S	ESR	101160	2024.09.25	2025.09.24
11	LISN	SCHWARZBECK	NNLK 8129	8130179	2024.09.25	2025.09.24
12	Pulse Limiter	R&S	ESH3-Z2	102789	2024.09.25	2025.09.24
13	Pro.Temp&Humi.chamber	MENTEK	MHP-150-1C	MAA08112501	2024.09.25	2025.09.24
14	RF Automatic Test system	MW	MW100-RFCB	21033016	2024.09.25	2025.09.24
15	Signal Generator	Agilent	N5182A	MY50143009	2024.09.25	2025.09.24
16	Wideband Radio communication tester	R&S	CMW500	1201.0002K50	2024.09.25	2025.09.24
17	RF Automatic Test system	MW	MW100-RFCB	21033016	2024.09.25	2025.09.24
18	DC power supply	ZHAOXIN	RXN-305D-2	28070002559	N/A	N/A
19	RE Software	EZ	EZ-EMC_RE	Ver.AIT-03A	N/A	N/A
20	CE Software	EZ	EZ-EMC_CE	Ver.AIT-03A	N/A	N/A
21	RF Software	MW	MTS 8310	2.0.0.0	N/A	N/A
22	temporary antenna connector(Note)	NTS	R001	N/A	N/A	N/A

Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.



# 2.3. DESCRIPTION OF TEST MODES

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Test Frequency: 2402 MHz

#### Test mode

For RF test items:

The engineering test program was provided and enabled to make EUT continuous transmit.

For Radiated spurious emissions test item:

The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

## 2.4. TEST SOFTWARE

Software name	Model	Version
Conducted emission Measurement Software	EZ-EMC	EMC-Con 3A1.1
Radiated emission Measurement Software	EZ-EMC	FA-03A.2.RE
Bluetooth and WIFI Test System	JS1120-3	2.5.77.0418



# 3. TEST ITEM AND RESULTS

# 3.1. ANTENNA REQUIREMENT

#### Requirement

#### FCC CFR Title 47 Part 15 Subpart C 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### **Test Result**

The antenna is PCB Antenna. The maximum gain of the antenna is 2.499 dBi.

The unit does meet the FCC requirements.



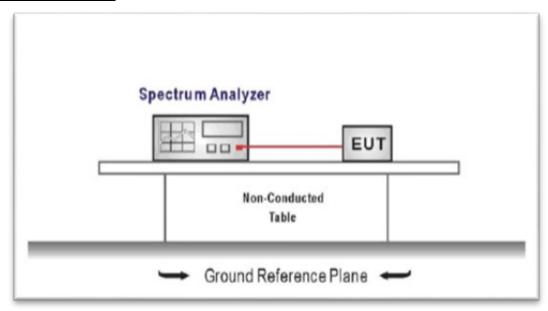


## 3.2. 20dB BANDWIDTH

#### Limit

Operation Frequency range 2400 ~ 2483.5 MHz.

#### **Test Configuration**



#### **Test Procedure**

- The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW ≥ 1% of the 20 dB bandwidth, VBW ≥ RBW

Sweep = auto, Detector function = peak, Trace = max hold

4. Measure and record the results in the test report.

#### **Test Mode**

Please refer to the clause 2.2.

#### **Test Results**

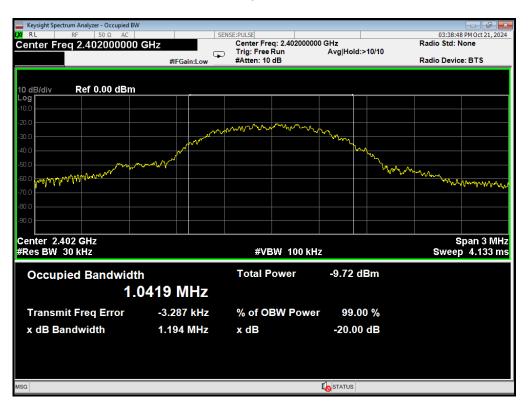


Channel frequency (MHz) 20dB Bandwidth [MHz]		Verdict
2402	1.0419	PASS

23

Page 11 of

#### 2402 MHz





## 3.3. CONDUCTED EMISSION

#### Limit

#### **Conducted Emission Test Limit**

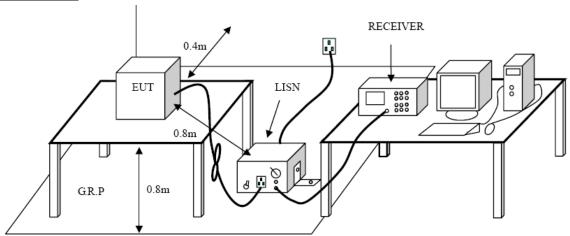
Fraguency	Maximum RF Line Voltage (dBμV)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Report No.: AITSZ23112801FW1

#### Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### **Test Configuration**



#### **Test Procedure**

- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment.
  - The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 7. During the above scans, the emissions were maximized by cable manipulation.

Guangdong Asia Hongke Test Technology Limited B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.



## **Test Results**

N/A

The EUT is powered by DC power.



# 3.4. RADIATED SPURIOUS EMISSIONS

### <u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.209(a) and 15.205(a)

#### Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental	Field Strength of Harmonics
	(millivolts/meter)	(microvolts/meter)
900-928MHz	50 (94dBuV/m @3m)	500 (54dBuV/m @3m)
2400-2483.5MHz	50 (94dBuV/m @3m)	500 (54dBuV/m @3m)
5725-5875MHz	50 (94dBuV/m @3m)	500 (54dBuV/m @3m)
24.0-24.25GHz	250 (108dBuV/m @3m)	2500 (68dBuV/m @3m)

#### Standard FCC 15.209

Frequency	Distance	Field Strengths	Limit
(MHz)	Meters	μ <b>V/m</b>	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	
0.490 ~ 1.705	30	24000/F(kHz)	
1.705 ~ 30	30	30	
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	Other:74.0dB(µV)/m(Peak) 54.	0dB(μV)/m (Average)

Remark:

- (1) Emission level dB  $\mu$  V = 20 log Emission level  $\mu$  V/m
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

#### FREQUENCY RANGE OF RADIATED MEASUREMENT

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
	1GHz~26.5GHz
Start ~Stop Frequency	RBW 1MHz/ VBW 1MHz for Peak,
	RBW 1MHz/ VBW 10Hz for Average

Guangdong Asia Hongke Test Technology Limited B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.

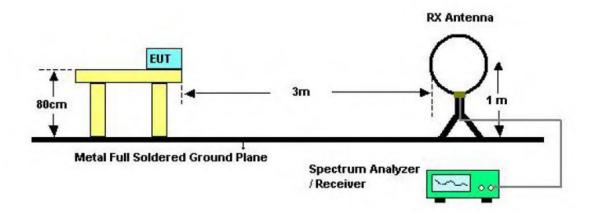


Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

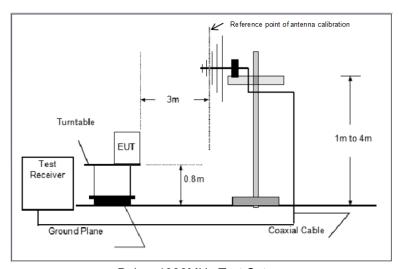
23

Page 15 of

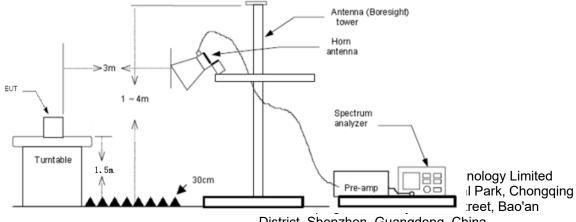
## **Test Configuration**



Below 30MHz Test Setup



Below 1000MHz Test Setup



District, Shenzhen, Guangdong, China.



#### Above 1GHz Test Setup

Report No.: AITSZ23112801FW1

#### **Test Procedure**

- 1. The EUT was setup and tested according to ANSI C63.10:2013
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

(3) From 1 GHz to 10<sup>th</sup> harmonic:

RBW=1MHz, VBW=3MHz Peak detector for Peak value.

RBW=1MHz, VBW=10Hz Peak detector for Average value.

#### **TEST MODE:**

Please refer to the clause 2.2.

#### **TEST RESULTS**

□ Passed     □	Not Applicable
----------------	----------------

#### 9 KHz~30 MHz and 18GHz~25GHz

From 9 KHz~30 MHz and 18GHz~25GHz: Conclusion: PASS

#### Note:

- 1) Final level = Reading level + Correct Factor
  - Correct Factor=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 amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 4) 18GHz ~ 25GHz

The EUT was pre-scanned the frequency band (18GHz~25GHz), found the radiated level(Background noise) lower than the limit, so don't show on the report. 3

Guangdong Asia Hongke Test Technology Limited B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.



## Radiated field strength of the fundamental signal

Frequency (MHz)	Read Level (dBuV)	Correct Factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dBuV/m)	Polarization	Test value
2402	91.16	-5.04	86.12	94.00	-7.88	Horizontal	Peak
2402	78.60	-5.05	73.55	94.00	-20.45	Vertical	Peak

Page 17 of

#### Note:

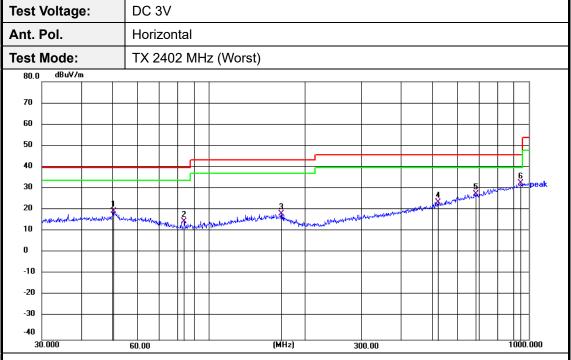
- 1. Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor
- 2. Level = Read Level +Correct Factor
- 3. The PEAK value is less than the AVG limit, the AVG result no need be show in this report.

### **RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequencies to 30MHz.







Page 18 of

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	50.4090	36.59	-16.62	19.97	40.00	-20.03	QP
2	83.8155	36.10	-20.96	15.14	40.00	-24.86	QP
3	168.4137	35.39	-16.79	18.60	43.50	-24.90	QP
4	520.8882	35.96	-12.06	23.90	46.00	-22.10	QP
5	682.3484	36.42	-8.50	27.92	46.00	-18.08	QP
6 *	945.4400	36.51	-3.63	32.88	46.00	-13.12	QP

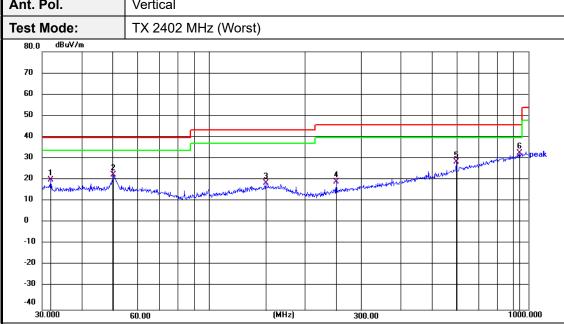
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

Report No.: AITSZ23112801FW1 DC 3V Test Voltage: Ant. Pol. Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	31.9546	37.77	-17.43	20.34	40.00	-19.66	QP
2	50.4089	39.38	-16.62	22.76	40.00	-17.24	QP
3	150.5378	35.53	-16.50	19.03	43.50	-24.47	QP
4	250.3012	38.01	-18.57	19.44	46.00	-26.56	QP
5	595.1329	38.75	-9.86	28.89	46.00	-17.11	QP
6 *	938.8326	36.69	-3.80	32.89	46.00	-13.11	QP

#### Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss - Pre-amplifier;

Margin= Emission Level - Limit.

#### Note:

All test modes had been tested. The TX 2402 MHz is the worst case and recorded in the report.

23



### For 1GHz to 25GHz

# GFSK (above 1GHz)

Page 20 of

Frequency(MHz):		2402		Polarity:	Horizontal	
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4804.00	54.60	-7.53	47.07	74	-26.93	PEAK
						AVG
7206.45	43.81	-1.6	42.21	74	-31.79	PEAK
						AVG

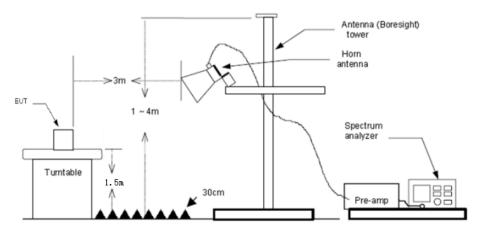
Frequency(MHz):		2402		Polarity:	VERTICAL	
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Туре
4804.00	55.21	-7.53	47.68	74	-26.32	PEAK
						AVG
7206.45	44.61	-1.6	43.01	74	-30.99	PEAK
						AVG

Remark: Other emissions of harmonics are attenuated 20dB below the limits, so it does not recorded in report.



# 3.5. BAND EDGE AND RESTRICTED BAND EMISSIONS(RADIATED)

# **Test Configuration**



#### **Test Procedure**

- 1. The EUT was setup and tested according to ANSI C63.10:2013
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
  - (1) Span shall wide enough to fully capture the emission being measured; RBW=1MHz, VBW=3MHz PEAK detector for Peak value. RBW=1MHz, VBW=10Hz with PEAK Detector for Average Value.

#### **Test Mode**

Please refer to the clause 2.2.

#### **Test Results**

#### 

## Note:

- 1) Final level= Read level + Antenna Factor + Cable Loss Preamp Factor
- 2) Correction Factor = Antenna factor + cable loss
- 3 ) The peak level is lower than average limit(54dBuV/m), this data is the too weak instrument of signal is unable to test.
- 4) The emission levels of other frequencies are very lower than the limit and not show in test report.

Guangdong Asia Hongke Test Technology Limited B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.



#### Radiation Restricted band

Frequency(MHz):		2402		Polarity:	Horiz	ontal
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2389.08	51.84	-4.09	47.75	74	-26.25	PEAK
						AVG
2390.00	40.62	-4.10	45.92	74	-28.08	PEAK
						AVG

Frequency(MHz):		2402		Polarity:	Vertical	
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2386.20	52.46	-4.04	48.42	74	-25.58	PEAK
						AVG
2390.00	50.54	-4.10	46.44	74	-27.56	PEAK
						AVG

# REMARKS:

- 1. Emission level (dBuV/m) = Reading (dBuV)+ Factor (dB/m)
- 2. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 3. Margin value = Emission level- Limit value.
- 4. Other emission levels are attenuated 20dB below the limit and not recorded in report.
- 5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peak detector is for AV value.



# 4. Test Setup Photographs of EUT

Please refer to separated files for Test Setup Photos of the EUT.

# 5. External Photographs of EUT

Please refer to separated files for External Photos of the EUT.

# 6.Internal Photographs of EUT

Please refer to separated files for Internal Photos of the EUT.

Page 23 of 23