



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street,
Bao'an District, Shenzhen, China

FCC PART 15 SUBPART C TEST REPORT

FCC PART 15.247

Report Reference No.: CTA25040801601

FCC ID.: 2B06V-KI-E065TV

Compiled by

(position+printed name+signature): File administrators Zoey Cao

Supervised by

(position+printed name+signature): Project Engineer Ace Chai

Approved by

(position+printed name+signature): RF Manager Eric Wang

Date of issue: Apr. 18, 2025

Testing Laboratory Name: Shenzhen CTA Testing Technology Co., Ltd.

Address: Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name: SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

Address: 1ST FLOOR, BUILDING 12TH, HONGFA INDUSTRIAL PARK, NO.91
TANGTOU RD, SHIYAN STREET, BAOAN, SHENZHEN,
GUANGDONG, CHINA.

Test specification:

Standard: FCC Part 15.247

Shenzhen CTA Testing Technology Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen CTA Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen CTA Testing Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Equipment description: OUTDOOR TV

Trade Mark: Kingimage

Manufacturer: SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

Model/Type reference: KI-E065TV

Modulation: GFSK

Frequency: From 2402MHz to 2480MHz

Ratings: AC 100-240V, 50/60Hz

Result: PASS

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Tel:+86-755 2322 5875 E-mail:cta@cta-test.cn Web:http://www.cta-test.cn

TEST REPORT

Equipment under Test : OUTDOOR TV

Model /Type : KI-E065TV

Listed Models : KI-E055TV

Model difference : The PCB board, circuit, structure and internal of these models are the same, Only size is different for these model.

Applicant : SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

Address : 1ST FLOOR, BUILDING 12TH, HONGFA INDUSTRIAL PARK, NO.91
TANGTOU RD, SHIYAN STREET, BAOAN, SHENZHEN,
GUANGDONG, CHINA.

Manufacturer : SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

Address : 1ST FLOOR, BUILDING 12TH, HONGFA INDUSTRIAL PARK, NO.91
TANGTOU RD, SHIYAN STREET, BAOAN, SHENZHEN,
GUANGDONG, CHINA.

| | |
|--------------|------|
| Test Result: | PASS |
|--------------|------|

The 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.

Contents

| | | |
|-----|---|----|
| 1 | TEST STANDARDS..... | 4 |
| 2 | SUMMARY | 5 |
| 2.1 | General Remarks | 5 |
| 2.2 | Product Description* | 5 |
| 2.3 | Equipment Under Test..... | 5 |
| 2.4 | Short description of the Equipment under Test (EUT) | 5 |
| 2.5 | EUT configuration..... | 6 |
| 2.6 | EUT operation mode | 6 |
| 2.7 | Block Diagram of Test Setup..... | 6 |
| 2.8 | Related Submittal(s) / Grant (s)..... | 6 |
| 2.9 | Modifications..... | 6 |
| 3 | TEST ENVIRONMENT | 7 |
| 3.1 | Address of the test laboratory | 7 |
| 3.2 | Test Facility..... | 7 |
| 3.3 | Environmental conditions | 7 |
| 3.4 | Summary of measurement results | 8 |
| 3.5 | Statement of the measurement uncertainty | 8 |
| 3.6 | Equipments Used during the Test | 9 |
| 4 | TEST CONDITIONS AND RESULTS | 10 |
| 4.1 | AC Power Conducted Emission | 10 |
| 4.2 | Radiated Emissions and Band Edge | 13 |
| 4.3 | Maximum Peak Output Power..... | 20 |
| 4.4 | Power Spectral Density | 21 |
| 4.5 | 6dB Bandwidth | 22 |
| 4.6 | Out-of-band Emissions | 23 |
| 4.7 | Antenna Requirement..... | 24 |
| 4.8 | On Time and Duty Cycle | 25 |
| 5 | Test Setup Photos of the EUT | 26 |
| 6 | Photos of the EUT | 26 |

1 TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

[ANSI C63.10-2013](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB558074 D01 V05r02](#): Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247

2 SUMMARY

2.1 General Remarks

| | | |
|--------------------------------|---|---------------|
| Date of receipt of test sample | : | Apr. 08, 2025 |
| Testing commenced on | : | Apr. 08, 2025 |
| Testing concluded on | : | Apr. 18, 2025 |

2.2 Product Description*

| | |
|-----------------------|--|
| Product Description: | OUTDOOR TV |
| Model/Type reference: | KI-E065TV |
| Power supply: | AC 100-240V, 50/60Hz |
| Hardware version: | V1.0 |
| Software version: | V1.0 |
| Testing sample ID: | CTA250408016-1# (Engineer sample) CTA250408016-2# (Normal sample) |
| Bluetooth BLE | |
| Supported type: | Bluetooth low Energy |
| Modulation: | GFSK |
| Operation frequency: | 2402MHz to 2480MHz |
| Channel number: | 40 |
| Channel separation: | 2 MHz |
| Antenna type: | Metal antenna |
| Antenna gain: | 2.86 dBi |

2.3 Equipment Under Test

Power supply system utilised

| | | | |
|----------------------|---|---|-----------------------------------|
| Power supply voltage | : | <input type="radio"/> 230V / 50 Hz | <input type="radio"/> 120V / 60Hz |
| | | <input type="radio"/> 12 V DC | <input type="radio"/> 24 V DC |
| | | <input checked="" type="radio"/> Other (Refer to section 2.2) | |

2.4 Short description of the Equipment under Test (EUT)

This is a OUTDOOR TV.

For more details, refer to the user's manual of the EUT.

| Test Software Version | Tools software(Dut test command) | | |
|-----------------------|----------------------------------|---------|----------|
| Frequency | 2402 MHz | 2440MHz | 2480 MHz |
| GFSK | 3 | 3 | 3 |

2.5 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- - supplied by the manufacturer
- - supplied by the lab

| | | | |
|--|---|--|--|
| | / | | |
|--|---|--|--|

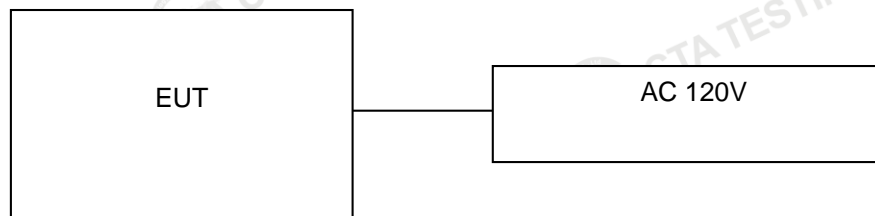
2.6 EUT operation mode

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing. There are 40 channels provided to the EUT and Channel 00/19/39 were selected to test.

Operation Frequency:

| Channel | Frequency (MHz) |
|-----------|-----------------|
| 00 | 2402 |
| 01 | 2404 |
| 02 | 2406 |
| ⋮ | ⋮ |
| 19 | 2440 |
| ⋮ | ⋮ |
| 37 | 2476 |
| 38 | 2478 |
| 39 | 2480 |

2.7 Block Diagram of Test Setup



2.8 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.9 Modifications

No modifications were implemented to meet testing criteria.

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

3.2 Test Facility

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

FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3 Environmental conditions

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

Radiated Emission:

| | |
|-----------------------|--------------|
| Temperature: | 23 ° C |
| Humidity: | 44 % |
| Atmospheric pressure: | 950-1050mbar |

AC Main Conducted testing:

| | |
|-----------------------|--------------|
| Temperature: | 24 ° C |
| Humidity: | 47 % |
| Atmospheric pressure: | 950-1050mbar |

Conducted testing:

| | |
|-----------------------|--------------|
| Temperature: | 24 ° C |
| Humidity: | 46 % |
| Atmospheric pressure: | 950-1050mbar |

3.4 Summary of measurement results

| Test Specification clause | Test case | Test Mode | Test Channel | Recorded In Report | | Test result |
|---------------------------|---|-----------|---|--------------------|---|-------------|
| §15.247(e) | Power spectral density | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | complies |
| §15.247(a)(2) | Spectrum bandwidth – 6 dB bandwidth | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | complies |
| §15.247(b)(3) | Maximum output Peak power | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | complies |
| §15.247(d) | Band edge compliance conducted | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | complies |
| §15.205 | Band edge compliance radiated | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Highest | complies |
| §15.247(d) | TX spurious emissions conducted | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | complies |
| §15.247(d) | TX spurious emissions radiated | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | BLE 1Mbps | <input checked="" type="checkbox"/> Lowest <input checked="" type="checkbox"/> Middle <input checked="" type="checkbox"/> Highest | complies |
| §15.209(a) | TX spurious Emissions radiated Below 1GHz | BLE 1Mbps | -/- | BLE 1Mbps | -/- | complies |
| §15.107(a) §15.207 | Conducted Emissions < 30 MHz | BLE 1Mbps | -/- | BLE 1Mbps | -/- | complies |

Remark:

1. The measurement uncertainty is not included in the test result.
2. We tested all test mode and recorded worst case in report
3. RF Conducted test Offset= cable loss, For conducted spurious emission test, cable loss is the maximum value in the range of test.

3.5 Statement of the 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 acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen CTA Testing Technology Co., Ltd. quality system acc. 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 Shenzhen CTA Testing Technology Co., Ltd. :

| Test | Range | Measurement Uncertainty | Notes |
|---|-------------|-------------------------|-------|
| Radiated Emission | 9KHz~30MHz | 3.02 dB | (1) |
| Radiated Emission | 30~1000MHz | 4.06 dB | (1) |
| Radiated Emission | 1~18GHz | 5.14 dB | (1) |
| Radiated Emission | 18-40GHz | 5.38 dB | (1) |
| Conducted Disturbance | 0.15~30MHz | 2.14 dB | (1) |
| Output Peak power | 30MHz~18GHz | 0.55 dB | (1) |
| Power spectral density | / | 0.57 dB | (1) |
| Spectrum bandwidth | / | 1.1% | (1) |
| Radiated spurious emission (30MHz-1GHz) | 30~1000MHz | 4.10 dB | (1) |

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China
Tel: +86-755 2322 5875 E-mail: cta@cta-test.cn Web: http://www.cta-test.cn

| | | | |
|--|----------|---------|-----|
| Radiated spurious emission (1GHz-18GHz) | 1~18GHz | 4.32 dB | (1) |
| Radiated spurious emission (18GHz-40GHz) | 18-40GHz | 5.54 dB | (1) |

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.6 Equipments Used during the Test

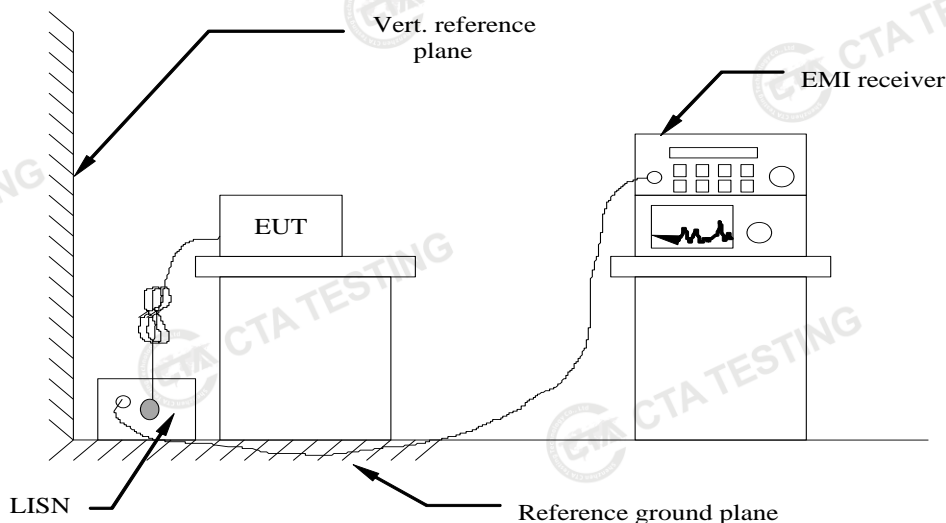
| Test Equipment | Manufacturer | Model No. | Equipment No. | Calibration Date | Calibration Due Date |
|-------------------------------------|----------------|-----------------|---------------|------------------|----------------------|
| LISN | R&S | ENV216 | CTA-308 | 2024/08/03 | 2025/08/02 |
| LISN | R&S | ENV216 | CTA-314 | 2024/08/03 | 2025/08/02 |
| EMI Test Receiver | R&S | ESPI | CTA-307 | 2024/08/03 | 2025/08/02 |
| EMI Test Receiver | R&S | ESCI | CTA-306 | 2024/08/03 | 2025/08/02 |
| Spectrum Analyzer | Agilent | N9020A | CTA-301 | 2024/08/03 | 2025/08/02 |
| Spectrum Analyzer | R&S | FSU | CTA-337 | 2024/08/03 | 2025/08/02 |
| Vector Signal generator | Agilent | N5182A | CTA-305 | 2024/08/03 | 2025/08/02 |
| Analog Signal Generator | R&S | SML03 | CTA-304 | 2024/08/03 | 2025/08/02 |
| WIDEBAND RADIO COMMUNICATION TESTER | CMW500 | R&S | CTA-302 | 2024/08/03 | 2025/08/02 |
| Temperature and humidity meter | Chigo | ZG-7020 | CTA-326 | 2024/08/03 | 2025/08/02 |
| Ultra-Broadband Antenna | Schwarzbeck | VULB9163 | CTA-310 | 2023/10/17 | 2026/10/16 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | CTA-309 | 2023/10/13 | 2026/10/12 |
| Loop Antenna | Zhinan | ZN30900C | CTA-311 | 2023/10/17 | 2026/10/16 |
| Broadband Horn Antenna | A-INFOMW | LB-180500H-2.4F | CTA-336 | 2023/09/13 | 2026/09/12 |
| Amplifier | Schwarzbeck | BBV 9745 | CTA-312 | 2024/08/03 | 2025/08/02 |
| Amplifier | Taiwan chengyi | EMC051845B | CTA-313 | 2024/08/03 | 2025/08/02 |
| Directional coupler | NARDA | 4226-10 | CTA-303 | 2024/08/03 | 2025/08/02 |
| High-Pass Filter | XingBo | XBLBQ-GTA18 | CTA-402 | 2024/08/03 | 2025/08/02 |
| High-Pass Filter | XingBo | XBLBQ-GTA27 | CTA-403 | 2024/08/03 | 2025/08/02 |
| Automated filter bank | Tonscend | JS0806-F | CTA-404 | 2024/08/03 | 2025/08/02 |
| Power Sensor | Agilent | U2021XA | CTA-405 | 2024/08/03 | 2025/08/02 |
| Amplifier | Schwarzbeck | BBV9719 | CTA-406 | 2024/08/03 | 2025/08/02 |

| Test Equipment | Manufacturer | Model No. | Version number | Calibration Date | Calibration Due Date |
|-------------------|--------------|-------------|----------------|------------------|----------------------|
| EMI Test Software | Tonscend | TS@JS32-RE | 5.0.0.2 | N/A | N/A |
| EMI Test Software | Tonscend | TS@JS32-CE | 5.0.0.1 | N/A | N/A |
| RF Test Software | Tonscend | TS@JS1120-3 | 3.1.65 | N/A | N/A |
| RF Test Software | Tonscend | TS@JS1120 | 3.1.46 | N/A | N/A |

4 TEST CONDITIONS AND RESULTS

4.1 AC Power Conducted Emission

TEST CONFIGURATION



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 C63.10-2013.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2013
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013
- 4 The EUT received power from adapter, the adapter received AC120V/60Hz and AC 240V/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.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following :

| Frequency range (MHz) | Limit (dBuV) | |
|-----------------------|--------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

TEST RESULTS

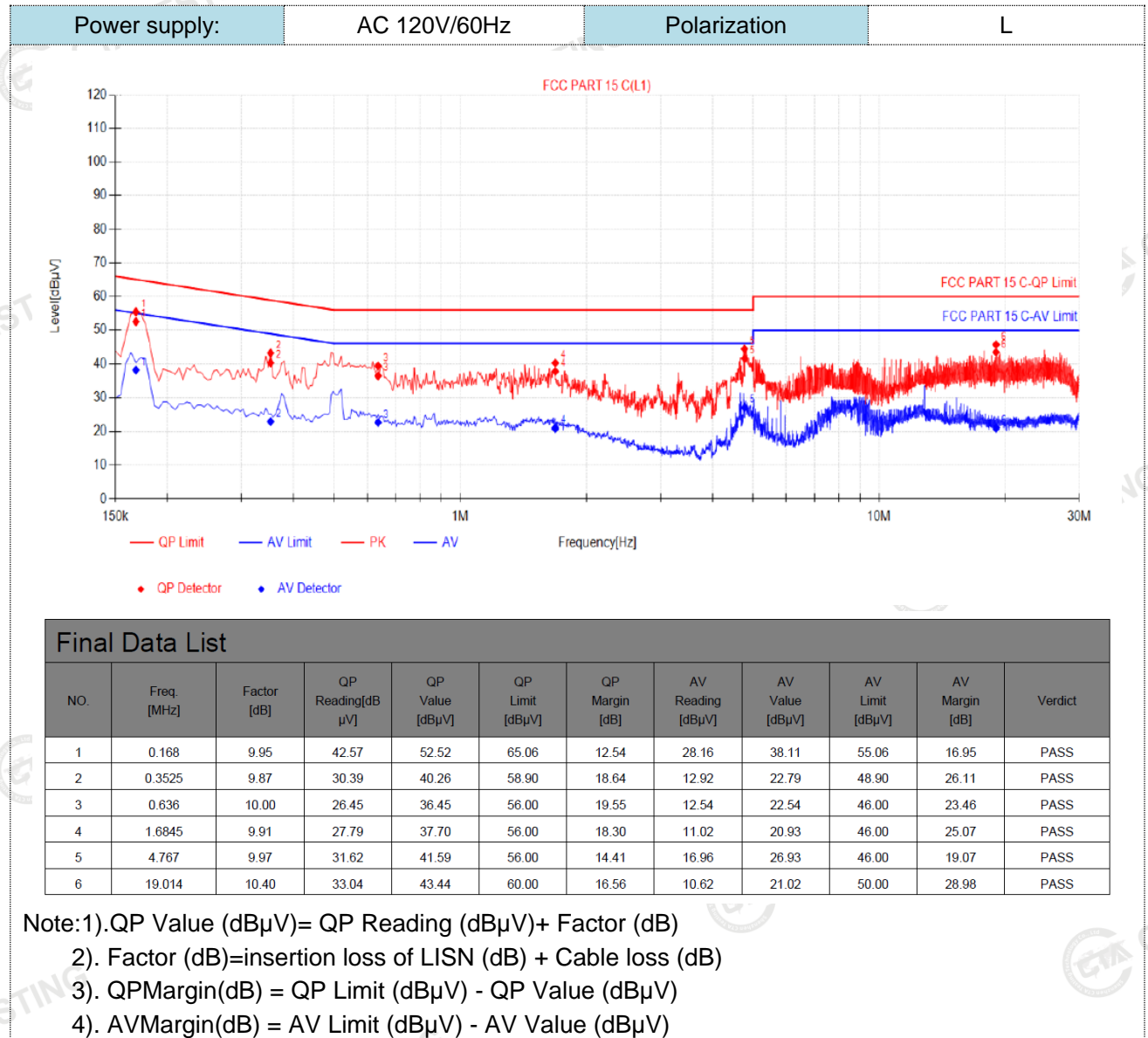
Remark:

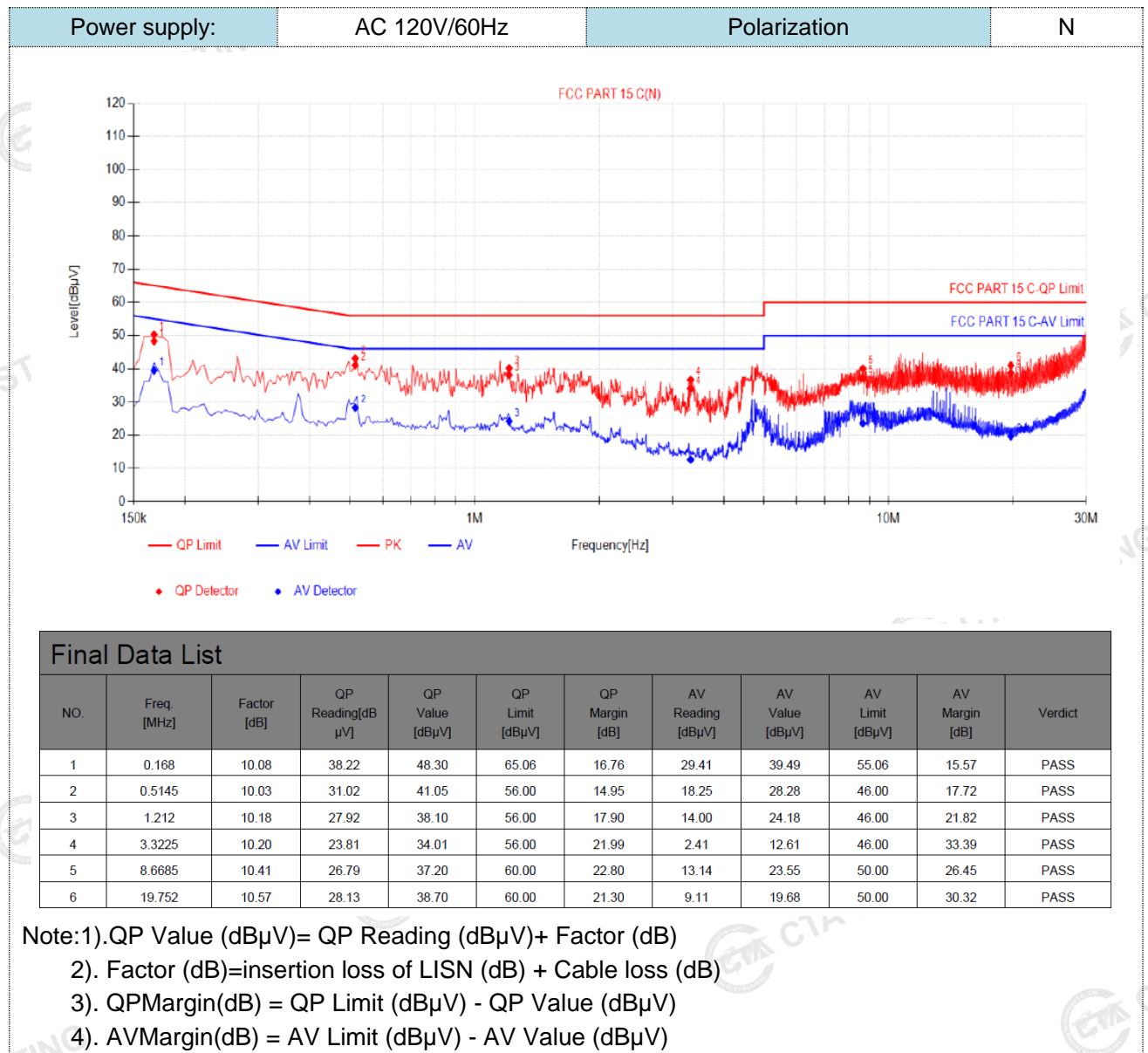
1. Two models BLE 1Mbps was tested at Low, Middle, and High channel; only the worst result of BLE 1Mbps High channel was reported as below:

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China
Tel: +86-755 2322 5875 E-mail: cta@cta-test.cn Web: http://www.cta-test.cn

2. Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:

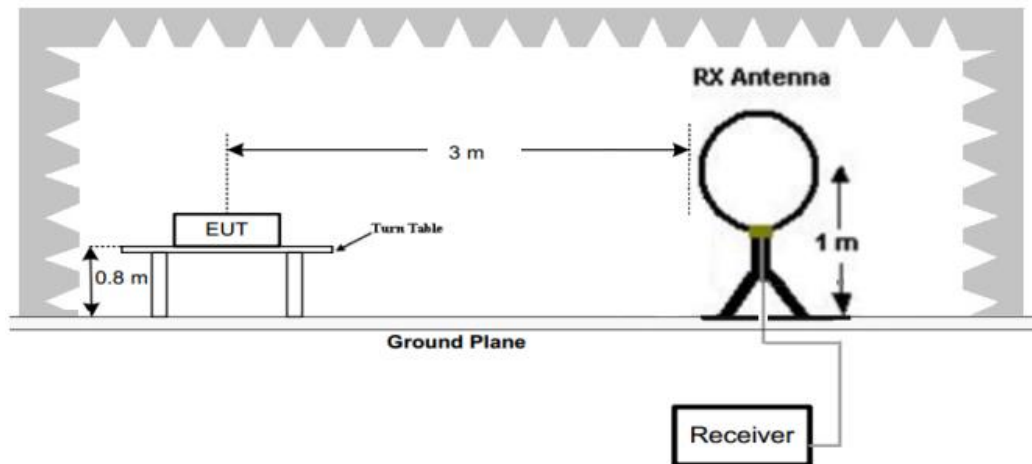




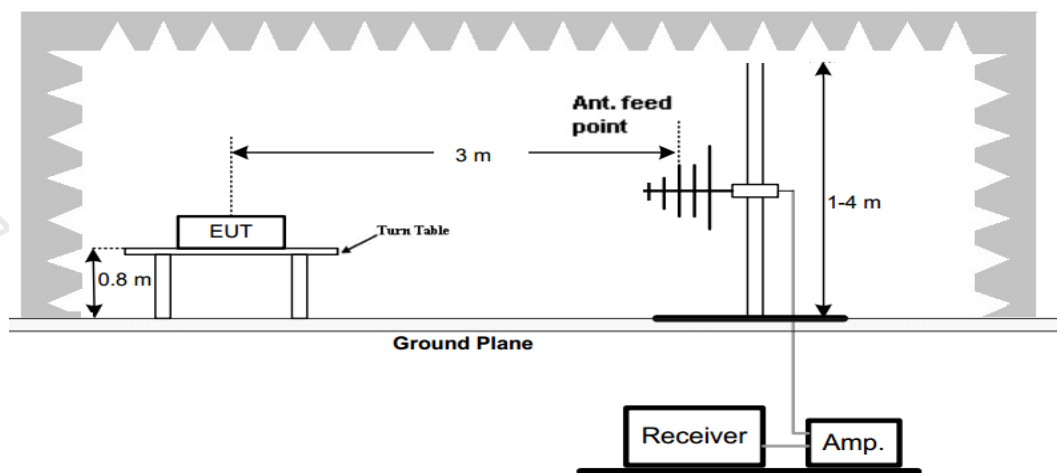
4.2 Radiated Emissions and Band Edge

TEST CONFIGURATION

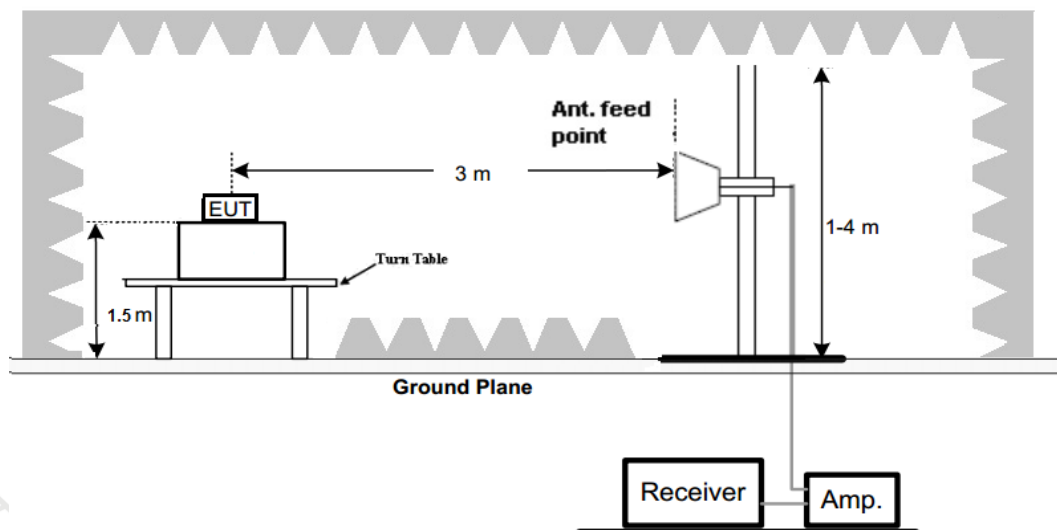
Frequency range 9 KHz – 30MHz

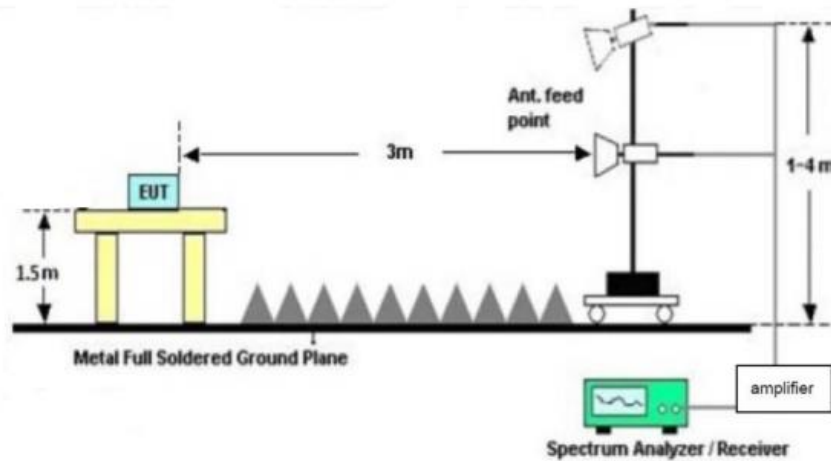


Frequency range 30MHz – 1000MHz



Frequency range above 1GHz-25GHz





TEST PROCEDURE

- The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing frequency range 1GHz – 25GHz.
- Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT.
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.
- The EUT minimum operation frequency was 32.768KHz and maximum operation frequency was 2480MHz.so radiated emission test frequency band from 9KHz to 25GHz.
- The distance between test antenna and EUT as following table states:

| Test Frequency range | Test Antenna Type | Test Distance |
|----------------------|----------------------------|---------------|
| 9KHz-30MHz | Active Loop Antenna | 3 |
| 30MHz-1GHz | Ultra-Broadband Antenna | 3 |
| 1GHz-18GHz | Double Ridged Horn Antenna | 3 |
| 18GHz-25GHz | Horn Antenna | 1 |

- Setting test receiver/spectrum as following table states:

| Test Frequency range | Test Receiver/Spectrum Setting | Detector |
|----------------------|---|----------|
| 9KHz-150KHz | RBW=200Hz/VBW=3KHz,Sweep time=Auto | QP |
| 150KHz-30MHz | RBW=9KHz/VBW=100KHz,Sweep time=Auto | QP |
| 30MHz-1GHz | RBW=120KHz/VBW=1000KHz,Sweep time=Auto | QP |
| 1GHz-40GHz | Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto | Peak |

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

| | |
|---------------------------|--|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude | AG = Amplifier Gain |
| AF = Antenna Factor | |

$$\text{Transd}=AF +CL-AG$$

RADIATION LIMIT

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China
Tel:+86-755 2322 5875 E-mail:cta@cta-test.cn Web:http://www.cta-test.cn

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table. According to § 15.247(d), in any 100kHz bandwidth outside the frequency band in which the EUT is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of desired power.

The pre-test have done for the EUT in three axes and found the worst emission at position shown in test setup photos.

| Frequency (MHz) | Distance (Meters) | Radiated (dBμV/m) | Radiated (μV/m) |
|-----------------|-------------------|--|-----------------------|
| 0.009-0.49 | 3 | $20\log(2400/F(\text{KHz}))+40\log(300/3)$ | $2400/F(\text{KHz})$ |
| 0.49-1.705 | 3 | $20\log(24000/F(\text{KHz}))+40\log(30/3)$ | $24000/F(\text{KHz})$ |
| 1.705-30 | 3 | $20\log(30)+40\log(30/3)$ | 30 |
| 30-88 | 3 | 40.0 | 100 |
| 88-216 | 3 | 43.5 | 150 |
| 216-960 | 3 | 46.0 | 200 |
| Above 960 | 3 | 54.0 | 500 |

TEST RESULTS

Remark:

1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
2. Two models BLE 1Mbps were tested at Low, Middle, and High channel for all models and recorded worst mode at the High channel.
3. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.

For 30MHz-1GHz

