

APPLICATION CERTIFICATION FCC Part 15B
On Behalf of
Shenzhen Krisvision Digital Technology Group Inc.

KARAOKE PLAYER

Model No.: KB-816, BM-3000, BestSing, S-8160, SR-2500, MF-0608, SV-8161

FCC ID: 2AAI5-KB816

Prepared for : Shenzhen Krisvision Digital Technology Group Inc.
Address : 4th Floor and 6th Floor, 2nd Building The West, Shenhua
Technology Park, Meihua Rd., Shenzhen, Guangdong, China

Prepared by : ACCURATE TECHNOLOGY CO. LTD
Address : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

Tel: (0755) 26503290
Fax: (0755) 26503396

Report Number : ATE20131219
Date of Test : May 14-June 20, 2013
Date of Report : June 24, 2013

TABLE OF CONTENTS

| Description | Page |
|--|-----------|
| Test Report Certification | |
| | |
| 1. GENERAL INFORMATION | 4 |
| 1.1. Description of Device (EUT)..... | 4 |
| 1.2. Accessory and Auxiliary Equipment..... | 4 |
| 1.3. Description of Test Facility | 5 |
| 1.4. Measurement Uncertainty | 5 |
| 2. MEASURING DEVICE AND TEST EQUIPMENT | 6 |
| 3. OPERATION OF EUT DURING TESTING | 7 |
| 3.1. Operating Mode | 7 |
| 3.2. Configuration and peripherals | 7 |
| 4. TEST PROCEDURES AND RESULTS | 8 |
| 5. CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.107(A) | 9 |
| 5.1. Block Diagram of Test Setup..... | 9 |
| 5.2. The Emission Limit | 10 |
| 5.3. Configuration of EUT on Measurement | 10 |
| 5.4. Operating Condition of EUT | 10 |
| 5.5. Test Procedure | 10 |
| 5.6. Power Line Conducted Emission Measurement Results | 11 |
| 6. RADIATED EMISSION FOR FCC PART 15 SECTION 15.109(A)..... | 20 |
| 6.1. Block Diagram of Test Setup..... | 20 |
| 6.2. The Emission Limit For Section 15.109 (a) | 21 |
| 6.3. EUT Configuration on Measurement | 21 |
| 6.4. Operating Condition of EUT | 21 |
| 6.5. Test Procedure | 22 |
| 6.6. The Emission Measurement Result | 23 |

Test Report Certification

Applicant : Shenzhen Krisvision Digital Technology Group Inc.

Manufacturer : Shenzhen Krisvision Digital Technology Group Inc.

EUT Description : KARAOKE PLAYER

(A) MODEL NO.: KB-816, BM-3000, BestSing, S-8160, SR-2500, MF-0608,
SV-8161

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: AC 100-240V, 50/60Hz;
IR Remote Controller: DC 3V (“AAA” battery 2×)

Measurement Procedure Used:

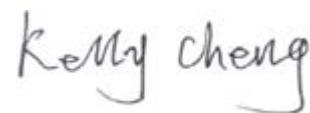
FCC Rules and Regulations Part 15 Subpart B
ANSI C63.4: 2009

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : May 14-June 20, 2013

Prepared by :



(Kelly Cheng, Engineer)

Approved & Authorized Signer :



(Sean Liu, Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : KARAOKE PLAYER
 Model Number : KB-816, BM-3000, BestSing, S-8160, SR-2500, MF-0608, SV-8161
 (Note: These samples are same except for the appearance color is difference. So we prepare the KB-816 for FCC test.)
 Power Supply : AC 100-240V, 50/60Hz;
 IR Remote Controller: DC 3V ("AAA" battery 2×)
 Highest operation frequency of the EUT : 900MHz
 Applicant : Shenzhen Krisvision Digital Technology Group Inc.
 Address : 4th Floor and 6th Floor, 2nd Building The West, Shenhua Technology Park, Meihua Rd., Shenzhen, Guangdong, China
 Manufacturer : Shenzhen Krisvision Digital Technology Group Inc.
 Address : 4th Floor and 6th Floor, 2nd Building The West, Shenhua Technology Park, Meihua Rd., Shenzhen, Guangdong, China
 Date of sample received : May 13, 2013
 Date of Test : May 14-June 20, 2013

1.2. Accessory and Auxiliary Equipment

LCD COLOUR TV : Manufacturer: SHARP
 M/N: LCD-19A33-BK
 S/N: 709913440
 TOUCHSCREEN : Manufacturer: LEJIA
 M/N: LJ19A
 MOUSE : Manufacturer: SUN FLOWER
 M/N: SF-2019
 USB Disk : Manufacturer: Kingston
 M/N: UD-240
 IR RECEPTION : Manufacturer: Worldwide
 M/N: IRM338
 MIC : Manufacturer: Takstar
 M/N: PC-K500

1.3.Description of Test Facility

| | |
|---------------|---|
| EMC Lab | : Accredited by TUV Rheinland Shenzhen |
| | Listed by FCC The Registration Number is 253065 |
| | Listed by FCC The Registration Number is 752051 |
| | Listed by Industry Canada The Registration Number is 5077A-1 |
| | Listed by Industry Canada The Registration Number is 5077A-2 |
| | Accredited by China National Accreditation Committee for Laboratories The Certificate Registration Number is L3193 |
| Name of Firm | : Accurate Technology Co., Ltd. |
| Site Location | : F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China |

1.4.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. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

| Kind of equipment | Manufacturer | Type | S/N | Calibrated date | Calibrated until |
|-------------------|---------------|--------------------|------------|-----------------|------------------|
| EMI Test Receiver | Rohde&Schwarz | ESCS30 | 100307 | Jan. 12, 2013 | Jan. 11, 2014 |
| EMI Test Receiver | Rohde&Schwarz | ESPI3 | 101526/003 | Jan. 12, 2013 | Jan. 11, 2014 |
| Spectrum Analyzer | Agilent | E7405A | MY45115511 | Jan. 12, 2013 | Jan. 11, 2014 |
| Pre-Amplifier | Rohde&Schwarz | CBLU118354 0-01 | 3791 | Jan. 12, 2013 | Jan. 11, 2014 |
| Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | Feb. 06, 2013 | Feb. 05, 2014 |
| Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | Feb. 06, 2013 | Feb. 05, 2014 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-655 | Feb. 06, 2013 | Feb. 05, 2014 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 9170-359 | Feb. 06, 2013 | Feb. 05, 2014 |
| LISN | Rohde&Schwarz | ESH3-Z5 | 100305 | Jan. 12, 2013 | Jan. 11, 2014 |
| LISN | Schwarzbeck | NSLK8126 | 8126431 | Jan. 12, 2013 | Jan. 11, 2014 |

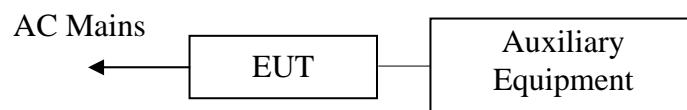
3. OPERATION OF EUT DURING TESTING

3.1. Operating Mode

The modes are used:

- 1) Playing
- 2) USB Playing
- 3) Network

3.2. Configuration and peripherals



(EUT: KARAOKE PLAYER)

4. TEST PROCEDURES AND RESULTS

| FCC Rules | Description of Test | Result |
|----------------|-------------------------|-----------|
| Section 15.107 | Conducted Emission Test | Compliant |
| Section 15.109 | Radiated Emission Test | Compliant |

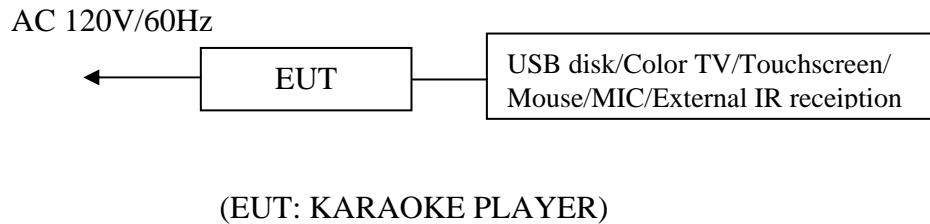
5. CONDUCTED EMISSION FOR FCC PART 15 SECTION

15.107(A)

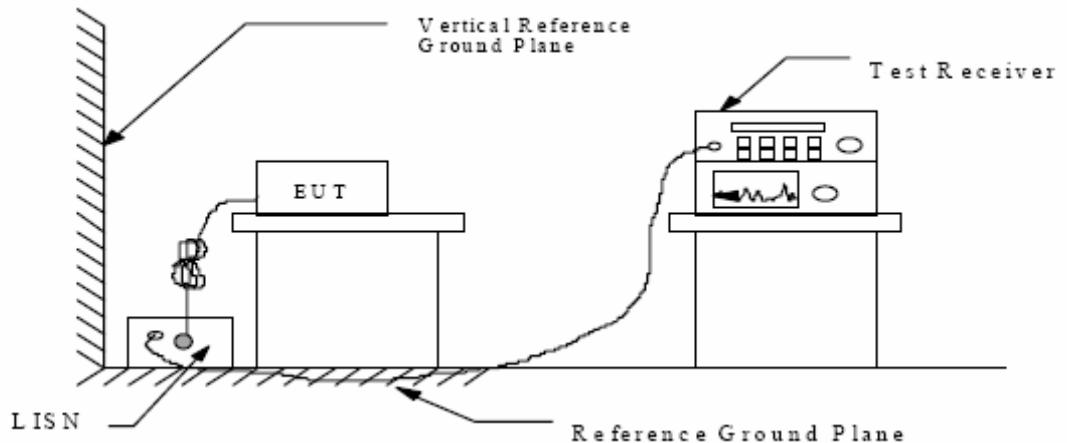
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators

5.1.1.1. For Playing & USB Playing & Network



5.1.2. Shielding Room Test Setup Diagram



5.2.The Emission Limit

5.2.1.Conducted Emission Measurement Limits According to Section 15.107(a)

| Frequency (MHz) | Limit dB(μV) | |
|--------------------|------------------|---------------|
| | Quasi-peak Level | Average Level |
| 0.15 - 0.50 | 66.0 – 56.0 * | 56.0 – 46.0 * |
| 0.50 - 5.00 | 56.0 | 46.0 |
| 5.00 - 30.00 | 60.0 | 50.0 |

* Decreases with the logarithm of the frequency.

5.3.Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.KARAOKE PLAYER (EUT)

Model Number : KB-816
 Serial Number : N/A
 Manufacturer : Shenzhen Krisvision Digital Technology Group Inc.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in modes (Playing & USB Playing & Network) and measure it.

5.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

5.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

| | | | |
|---------------|-----------------------|----------------|---------------------|
| Date of Test: | <u>May 14, 2013</u> | Temperature: | <u>25°C</u> |
| EUT: | <u>KARAOKE PLAYER</u> | Humidity: | <u>50%</u> |
| Model No.: | <u>KB-816</u> | Power Supply: | <u>AC 120V/60Hz</u> |
| Test Mode: | <u>Playing</u> | Test Engineer: | <u>Alen</u> |

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.601760 | 44.80 | 12.6 | 56 | 11.2 | QP | N | GND |
| 0.841502 | 44.20 | 12.5 | 56 | 11.8 | QP | N | GND |
| 2.492442 | 43.80 | 12.4 | 56 | 12.2 | QP | N | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.361001 | 42.10 | 12.3 | 49 | 6.6 | AV | N | GND |
| 0.540273 | 36.20 | 12.6 | 46 | 9.8 | AV | N | GND |
| 0.601760 | 37.30 | 12.6 | 46 | 8.7 | AV | N | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 1.269485 | 45.60 | 12.5 | 56 | 10.4 | QP | L1 | GND |
| 2.492442 | 47.30 | 12.4 | 56 | 8.7 | QP | L1 | GND |
| 6.419704 | 46.30 | 12.2 | 60 | 13.7 | QP | L1 | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.361001 | 42.00 | 12.3 | 49 | 6.7 | AV | L1 | GND |
| 0.599363 | 37.60 | 12.6 | 46 | 8.4 | AV | L1 | GND |
| 26.378454 | 43.40 | 12.0 | 50 | 6.6 | AV | L1 | GND |

| | | | |
|---------------|----------------|----------------|--------------|
| Date of Test: | May 14, 2013 | Temperature: | 25°C |
| EUT: | KARAOKE PLAYER | Humidity: | 50% |
| Model No.: | KB-816 | Power Supply: | AC 120V/60Hz |
| Test Mode: | USB Playing | Test Engineer: | Alen |

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.362445 | 38.40 | 12.3 | 59 | 20.3 | QP | N | GND |
| 0.604167 | 43.00 | 12.6 | 56 | 13.0 | QP | N | GND |
| 2.462770 | 48.10 | 12.4 | 56 | 7.9 | QP | N | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.433769 | 38.30 | 12.5 | 47 | 8.9 | AV | N | GND |
| 0.618813 | 37.50 | 12.6 | 46 | 8.5 | AV | N | GND |
| 27.125974 | 43.70 | 12.0 | 50 | 6.3 | AV | N | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.613892 | 44.80 | 12.6 | 56 | 11.2 | QP | L1 | GND |
| 2.522471 | 47.50 | 12.4 | 56 | 8.5 | QP | L1 | GND |
| 6.394128 | 44.40 | 12.2 | 60 | 15.6 | QP | L1 | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.433769 | 38.50 | 12.5 | 47 | 8.7 | AV | L1 | GND |
| 2.482512 | 35.00 | 12.4 | 46 | 11.0 | AV | L1 | GND |
| 27.125974 | 44.20 | 12.0 | 50 | 5.8 | AV | L1 | GND |

| | | | |
|---------------|----------------|----------------|--------------|
| Date of Test: | May 14, 2013 | Temperature: | 25°C |
| EUT: | KARAOKE PLAYER | Humidity: | 50% |
| Model No.: | KB-816 | Power Supply: | AC 120V/60Hz |
| Test Mode: | Network | Test Engineer: | Alen |

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.611446 | 45.90 | 12.6 | 56 | 10.1 | QP | N | GND |
| 0.855047 | 45.60 | 12.5 | 56 | 10.4 | QP | N | GND |
| 2.502412 | 48.30 | 12.4 | 56 | 7.7 | QP | N | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.428605 | 39.20 | 12.5 | 47 | 8.1 | AV | N | GND |
| 0.613892 | 38.90 | 12.6 | 46 | 7.1 | AV | N | GND |
| 27.125974 | 43.70 | 12.0 | 50 | 6.3 | AV | N | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.351053 | 44.40 | 12.3 | 59 | 14.5 | QP | L1 | GND |
| 2.502412 | 49.10 | 12.4 | 56 | 6.9 | QP | L1 | GND |
| 6.549129 | 46.20 | 12.2 | 60 | 13.8 | QP | L1 | GND |
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
| 0.428605 | 39.80 | 12.5 | 47 | 7.5 | AV | L1 | GND |
| 0.613892 | 38.90 | 12.6 | 46 | 7.1 | AV | L1 | GND |
| 26.378454 | 43.20 | 12.0 | 50 | 6.8 | AV | L1 | GND |

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

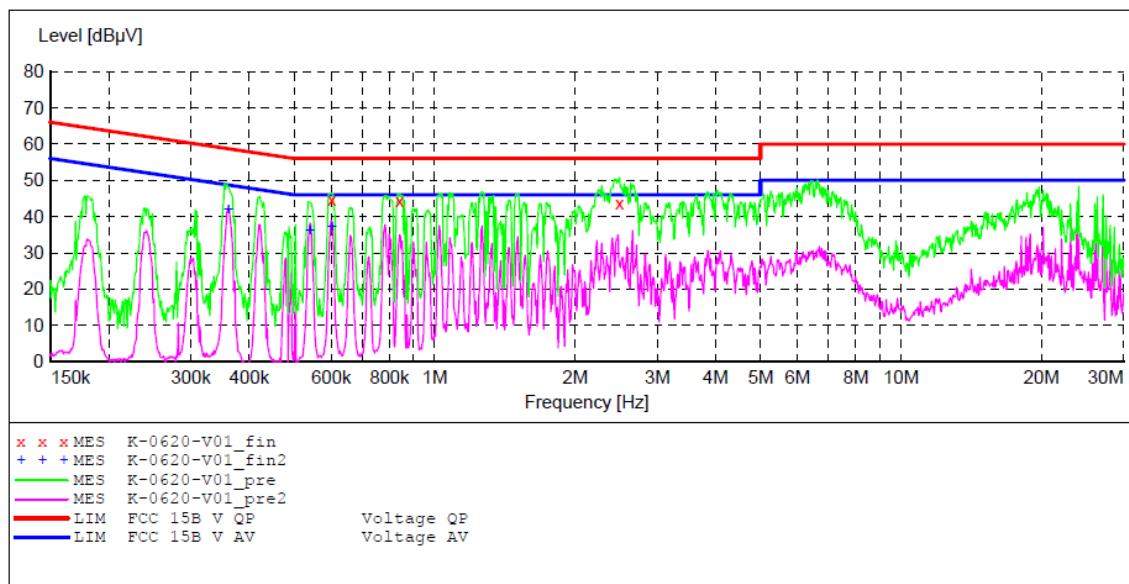
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: KARAOKE PLAYER M/N:KB-816
 Manufacturer: Krisvision
 Operating Condition: Playing
 Test Site: 1#Shielding Room
 Operator: Alen
 Test Specification: N 120V/60Hz
 Comment: Report No:ATE20131219
 Start of Test: 5/14/2013 / 10:18:53AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB STD VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "K-0620-V01_fin"

5/14/2013 10:21AM

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.601760 | 44.80 | 12.6 | 56 | 11.2 | QP | N | GND |
| 0.841502 | 44.20 | 12.5 | 56 | 11.8 | QP | N | GND |
| 2.492442 | 43.80 | 12.4 | 56 | 12.2 | QP | N | GND |

MEASUREMENT RESULT: "K-0620-V01_fin2"

5/14/2013 10:21AM

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.361001 | 42.10 | 12.3 | 49 | 6.6 | AV | N | GND |
| 0.540273 | 36.20 | 12.6 | 46 | 9.8 | AV | N | GND |
| 0.601760 | 37.30 | 12.6 | 46 | 8.7 | AV | N | GND |

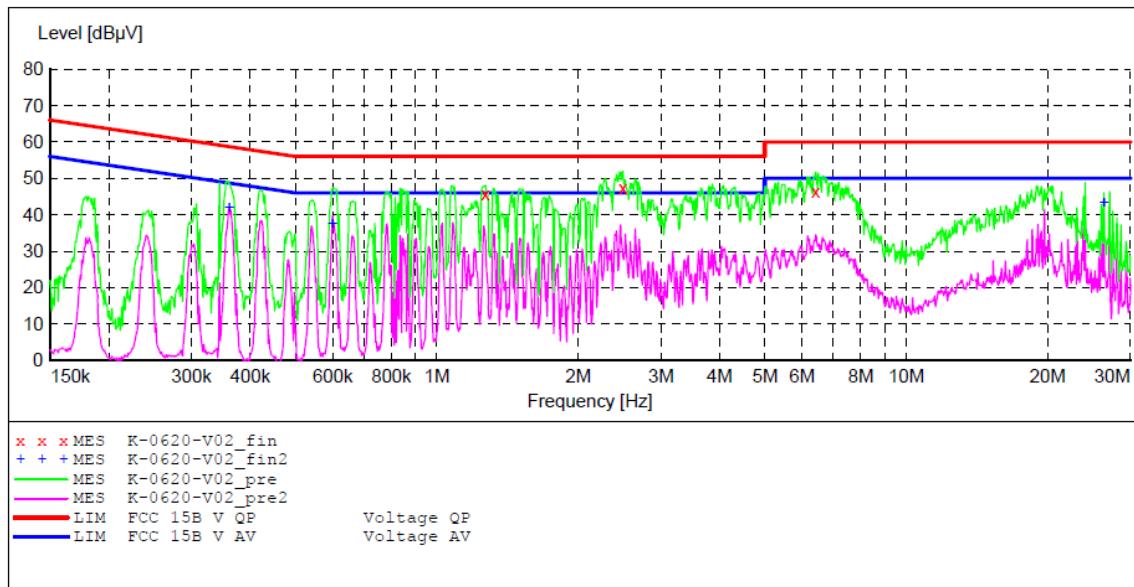
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: KARAOKE PLAYER M/N:KB-816
 Manufacturer: Krisvision
 Operating Condition: Playing
 Test Site: 1#Shielding Room
 Operator: Alen
 Test Specification: L 120V/60Hz
 Comment: Report No:ATE20131219
 Start of Test: 5/14/2013 / 10:23:10AM

SCAN TABLE: "V 150K-30MHz fin"

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. | IF Time | Transducer |
|-----------------|----------------|------------|-----------|-------|---------|---------------|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak | 1.0 s | 9 kHz | NSLK8126 2008 |
| | | | | | | Average |



MEASUREMENT RESULT: "K-0620-V02_fin"

| 5/14/2013 10:25AM | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-------------------|-----------|-------|--------|-------|--------|----------|------|-----|
| | MHz | dBµV | dB | dBµV | dB | | | |
| | 1.269485 | 45.60 | 12.5 | 56 | 10.4 | QP | L1 | GND |
| | 2.492442 | 47.30 | 12.4 | 56 | 8.7 | QP | L1 | GND |
| | 6.419704 | 46.30 | 12.2 | 60 | 13.7 | QP | L1 | GND |

MEASUREMENT RESULT: "K-0620-V02_fin2"

| 5/14/2013 10:25AM | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-------------------|-----------|-------|--------|-------|--------|----------|------|-----|
| | MHz | dBµV | dB | dBµV | dB | | | |
| | 0.361001 | 42.00 | 12.3 | 49 | 6.7 | AV | L1 | GND |
| | 0.599363 | 37.60 | 12.6 | 46 | 8.4 | AV | L1 | GND |
| | 26.378454 | 43.40 | 12.0 | 50 | 6.6 | AV | L1 | GND |

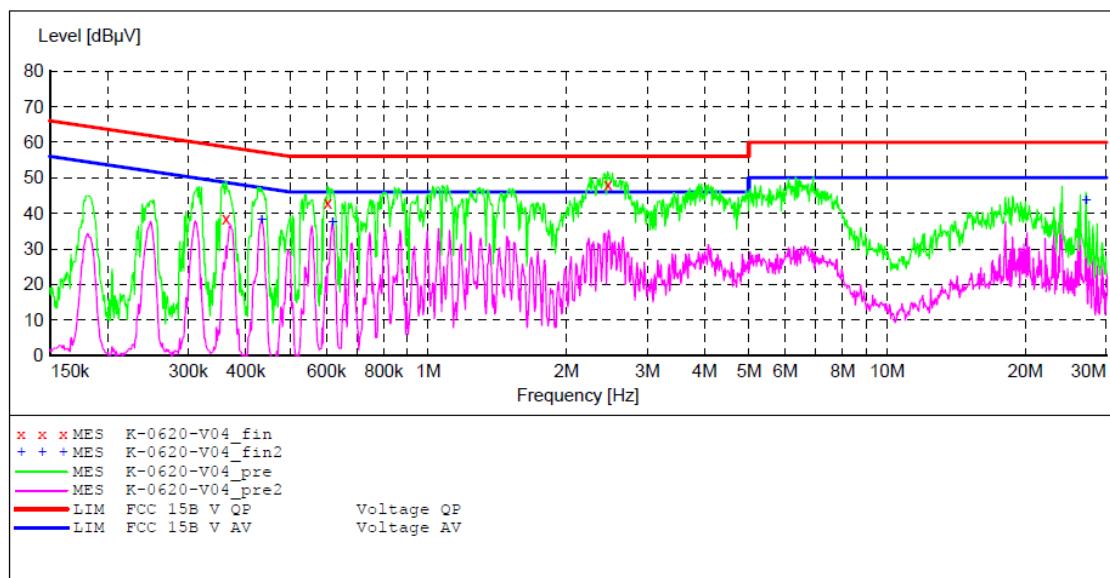
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: KARAOKE PLAYER M/N:KB-816
 Manufacturer: Krisvision
 Operating Condition: USB Playing
 Test Site: 1#Shielding Room
 Operator: Alen
 Test Specification: N 120V/60Hz
 Comment: Report No:ATE20131219
 Start of Test: 5/14/2013 / 10:33:09AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "K-0620-V04_fin"

5/14/2013 10:35AM

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.362445 | 38.40 | 12.3 | 59 | 20.3 | QP | N | GND |
| 0.604167 | 43.00 | 12.6 | 56 | 13.0 | QP | N | GND |
| 2.462770 | 48.10 | 12.4 | 56 | 7.9 | QP | N | GND |

MEASUREMENT RESULT: "K-0620-V04_fin2"

5/14/2013 10:35AM

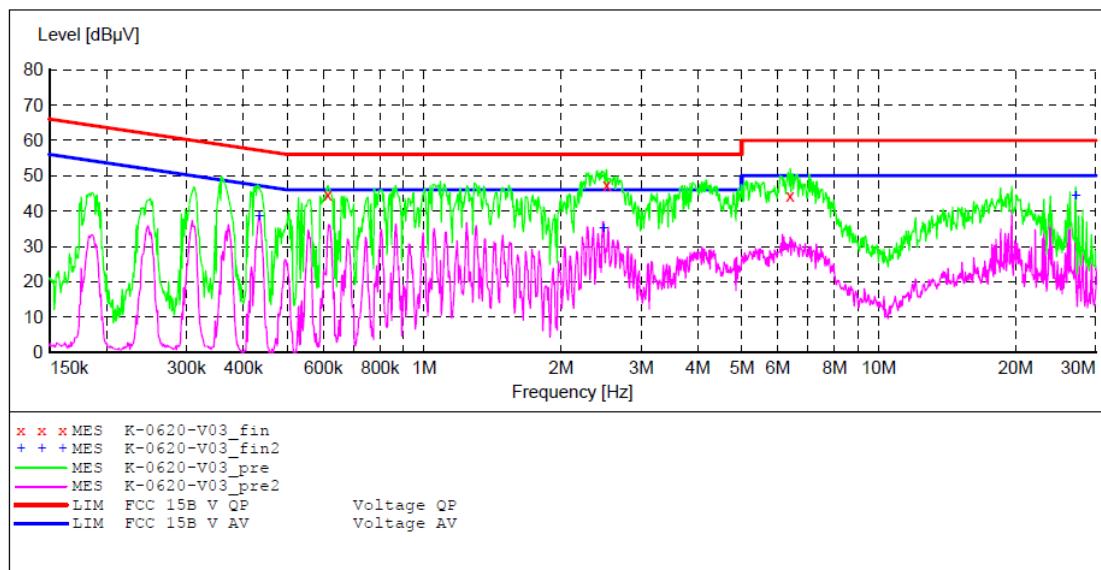
| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.433769 | 38.30 | 12.5 | 47 | 8.9 | AV | N | GND |
| 0.618813 | 37.50 | 12.6 | 46 | 8.5 | AV | N | GND |
| 27.125974 | 43.70 | 12.0 | 50 | 6.3 | AV | N | GND |

ACCURATE TECHNOLOGY CO., LTD**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: KARAOKE PLAYER M/N:KB-816
 Manufacturer: Krisvision
 Operating Condition: USB Playing
 Test Site: 1#Shielding Room
 Operator: ALEN
 Test Specification: L 120V/60Hz
 Comment: Report No:ATE20131219
 Start of Test: 5/14/2013 / 10:30:26AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average

**MEASUREMENT RESULT: "K-0620-V03_fin"**

5/14/2013 10:32AM

| Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|------------|--------|------------|--------|----------|------|-----|
| MHz | dB μ V | dB | dB μ V | dB | | | |
| 0.613892 | 44.80 | 12.6 | 56 | 11.2 | QP | L1 | GND |
| 2.522471 | 47.50 | 12.4 | 56 | 8.5 | QP | L1 | GND |
| 6.394128 | 44.40 | 12.2 | 60 | 15.6 | QP | L1 | GND |

MEASUREMENT RESULT: "K-0620-V03_fin2"

5/14/2013 10:32AM

| Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|------------|--------|------------|--------|----------|------|-----|
| MHz | dB μ V | dB | dB μ V | dB | | | |
| 0.433769 | 38.50 | 12.5 | 47 | 8.7 | AV | L1 | GND |
| 2.482512 | 35.00 | 12.4 | 46 | 11.0 | AV | L1 | GND |
| 27.125974 | 44.20 | 12.0 | 50 | 5.8 | AV | L1 | GND |

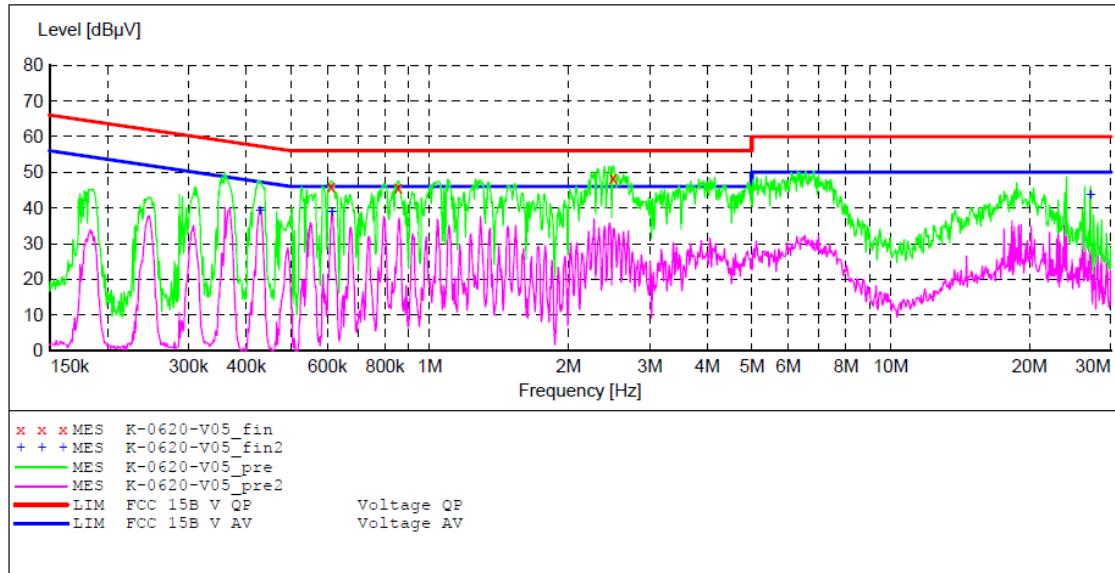
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: KARAOKE PLAYER M/N:KB-816
 Manufacturer: Krisvision
 Operating Condition: Network
 Test Site: 1#Shielding Room
 Operator: Alen
 Test Specification: N 120V/60Hz
 Comment: Report No:ATE20131219
 Start of Test: 5/14/2013 / 10:36:29AM

SCAN TABLE: "V 150K-30MHz fin"

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. | IF Time | Transducer |
|-----------------|----------------|------------|-----------|-------|---------|---------------|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak | 1.0 s | 9 kHz | NSLK8126 2008 |
| | | | | | | Average |



MEASUREMENT RESULT: "K-0620-V05_fin"

5/14/2013 10:38AM

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|---------------|------------------|-----------|------------------|-----------|----------|------|-----|
| 0.611446 | 45.90 | 12.6 | 56 | 10.1 | QP | N | GND |
| 0.855047 | 45.60 | 12.5 | 56 | 10.4 | QP | N | GND |
| 2.502412 | 48.30 | 12.4 | 56 | 7.7 | QP | N | GND |

MEASUREMENT RESULT: "K-0620-V05_fin2"

5/14/2013 10:38AM

| Frequency MHz | Level dB μ V | Transd dB | Limit dB μ V | Margin dB | Detector | Line | PE |
|---------------|------------------|-----------|------------------|-----------|----------|------|-----|
| 0.428605 | 39.20 | 12.5 | 47 | 8.1 | AV | N | GND |
| 0.613892 | 38.90 | 12.6 | 46 | 7.1 | AV | N | GND |
| 27.125974 | 43.70 | 12.0 | 50 | 6.3 | AV | N | GND |

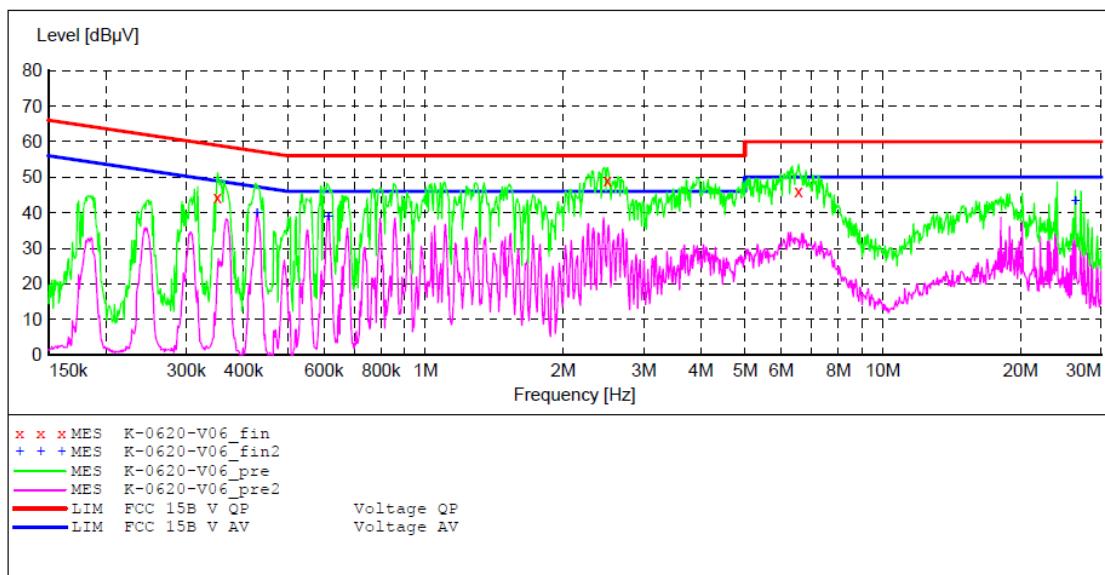
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: KARAOKE PLAYER M/N:KB-816
 Manufacturer: Krisvision
 Operating Condition: Network
 Test Site: 1#Shielding Room
 Operator: ALEN
 Test Specification: L 120V/60Hz
 Comment: Report No:ATE20131219
 Start of Test: 5/14/2013 / 10:39:12AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "K-0620-V06_fin"

5/14/2013 10:41AM

| Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|------------|--------|------------|--------|----------|------|-----|
| MHz | dB μ V | dB | dB μ V | dB | | | |
| 0.351053 | 44.40 | 12.3 | 59 | 14.5 | QP | L1 | GND |
| 2.502412 | 49.10 | 12.4 | 56 | 6.9 | QP | L1 | GND |
| 6.549129 | 46.20 | 12.2 | 60 | 13.8 | QP | L1 | GND |

MEASUREMENT RESULT: "K-0620-V06_fin2"

5/14/2013 10:41AM

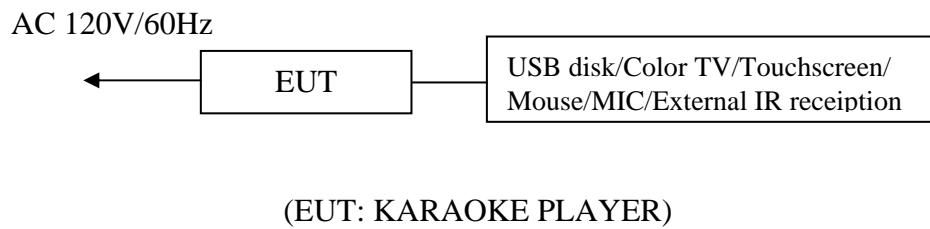
| Frequency | Level | Transd | Limit | Margin | Detector | Line | PE |
|-----------|------------|--------|------------|--------|----------|------|-----|
| MHz | dB μ V | dB | dB μ V | dB | | | |
| 0.428605 | 39.80 | 12.5 | 47 | 7.5 | AV | L1 | GND |
| 0.613892 | 38.90 | 12.6 | 46 | 7.1 | AV | L1 | GND |
| 26.378454 | 43.20 | 12.0 | 50 | 6.8 | AV | L1 | GND |

6. RADIATED EMISSION FOR FCC PART 15 SECTION 15.109(A)

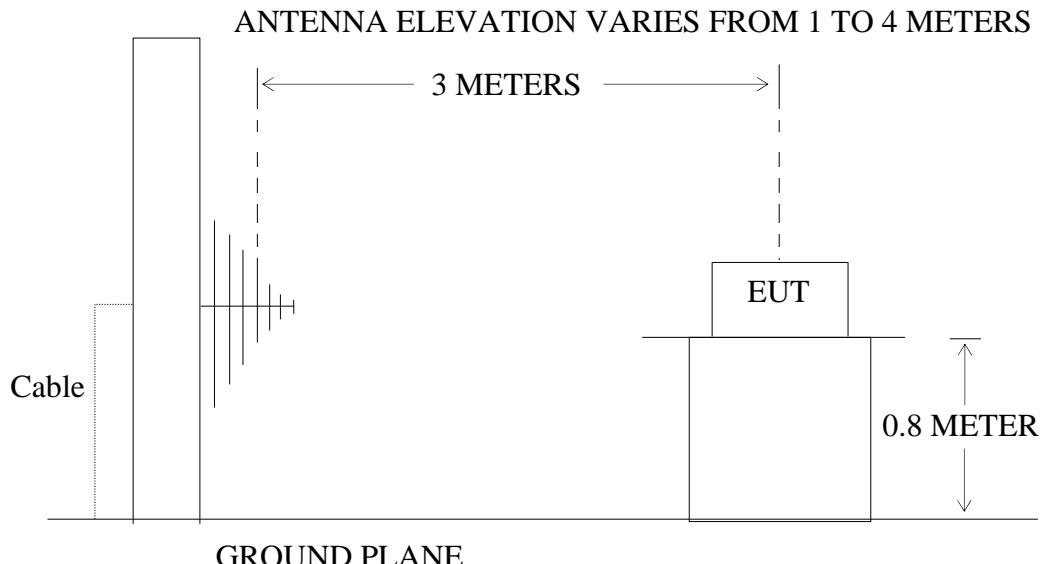
6.1. Block Diagram of Test Setup

6.1.1. Block diagram of connection between the EUT and simulators

6.1.1.1. For Playing & USB Playing & Network



6.1.2. Semi-Anechoic Chamber Test Setup Diagram



6.2.The Emission Limit For Section 15.109 (a)

6.2.1.Radiation Emission Measurement Limits According to Section 15.109 (a).

| Frequency (MHz) | Limit | |
|--------------------|---|---|
| | Field Strength of Quasi-peak Value (microvolts/m) | Field Strength of Quasi-peak Value (dB μ V/m) |
| 30 - 88 | 100 | 40 |
| 88 - 216 | 150 | 43.5 |
| 216 - 960 | 200 | 46 |
| Above 960 | 500 | 54 |

6.3.EUT Configuration on Measurement

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1.KARAOKE PLAYER (EUT)

Model Number : KB-816
 Serial Number : N/A
 Manufacturer : Shenzhen Krisvision Digital Technology Group Inc.

6.4.Operating Condition of EUT

6.4.1.Setup the EUT and simulator as shown as Section 6.1.

6.4.2.Turn on the power of all equipment.

6.4.3. Let the EUT work in (Playing &USB Playing & Network) mode measures it.

6.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz and 1MHz in above 1000MHz.

The frequency range from 30MHz to 5000MHz is checked.

6.6.The Emission Measurement Result

PASS.

| | | | |
|---------------|----------------|----------------|--------------|
| Date of Test: | June 20, 2013 | Temperature: | 25°C |
| EUT: | KARAOKE PLAYER | Humidity: | 50% |
| Model No.: | KB-816 | Power Supply: | AC 120V/60Hz |
| Test Mode: | Playing | Test Engineer: | Alen |

| Frequency: 30-1000MHz | | | | | | | | |
|-------------------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Polarization | | | | | | | | |
| | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| Horizontal | 1 | 148.4410 | 60.56 | -23.77 | 36.79 | 43.50 | -6.71 | QP |
| | 2 | 202.1005 | 59.68 | -20.16 | 39.52 | 43.50 | -3.98 | QP |
| | 3 | 742.2586 | 51.74 | -8.79 | 42.95 | 46.50 | -3.55 | QP |
| Vertical | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| | 1 | 85.8984 | 56.45 | -21.57 | 34.88 | 40.00 | -5.12 | QP |
| | 2 | 202.1005 | 57.02 | -20.16 | 36.86 | 43.50 | -6.64 | QP |
| | 3 | 742.2587 | 48.28 | -8.79 | 39.49 | 46.50 | -7.01 | QP |
| Frequency: 1000-5000MHz | | | | | | | | |
| Polarization | | | | | | | | |
| | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| Horizontal | 1 | 1483.364 | 60.87 | -9.73 | 51.14 | 74.00 | -22.86 | peak |
| | 2 | 1483.364 | 57.98 | -9.73 | 48.25 | 54.00 | -5.75 | AVG |
| | 3 | 1631.124 | 56.45 | -9.20 | 47.25 | 74.00 | -26.75 | peak |
| | 4 | 1631.124 | 53.87 | -9.20 | 44.67 | 54.00 | -9.33 | AVG |
| | 5 | 2225.298 | 57.72 | -7.21 | 50.51 | 74.00 | -23.49 | peak |
| | 6 | 2225.298 | 55.12 | -7.21 | 47.91 | 54.00 | -6.09 | AVG |
| Vertical | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| | 1 | 1483.364 | 55.62 | -9.73 | 45.89 | 74.00 | -28.11 | peak |
| | 2 | 1483.364 | 53.12 | -9.73 | 43.39 | 54.00 | -10.61 | AVG |
| | 3 | 1631.124 | 53.09 | -9.20 | 43.89 | 74.00 | -30.11 | peak |
| | 4 | 1631.124 | 50.69 | -9.20 | 41.49 | 54.00 | -12.51 | AVG |
| | 5 | 2225.298 | 59.68 | -7.21 | 52.47 | 74.00 | -21.53 | peak |
| | 6 | 2225.298 | 57.23 | -7.21 | 50.02 | 54.00 | -3.98 | AVG |

| | | | |
|---------------|----------------|----------------|--------------|
| Date of Test: | June 20, 2013 | Temperature: | 25°C |
| EUT: | KARAOKE PLAYER | Humidity: | 50% |
| Model No.: | KB-816 | Power Supply: | AC 120V/60Hz |
| Test Mode: | USB Playing | Test Engineer: | Alen |

| Frequency: 30-1000MHz | | | | | | | | |
|-------------------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Polarization | | | | | | | | |
| | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| Horizontal | 1 | 211.5264 | 60.21 | -20.00 | 40.21 | 43.50 | -3.29 | QP |
| | 2 | 269.4284 | 58.86 | -18.71 | 40.15 | 46.50 | -6.35 | QP |
| | 3 | 742.2586 | 52.01 | -8.79 | 43.22 | 46.50 | -3.28 | QP |
| Vertical | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| | 1 | 211.5264 | 60.03 | -20.00 | 40.03 | 43.50 | -3.47 | QP |
| | 2 | 269.4284 | 59.02 | -18.71 | 40.31 | 46.50 | -6.19 | QP |
| | 3 | 744.8660 | 49.21 | -8.73 | 40.48 | 46.50 | -6.02 | QP |
| Frequency: 1000-5000MHz | | | | | | | | |
| Polarization | | | | | | | | |
| | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| Horizontal | 1 | 1483.364 | 61.35 | -9.73 | 51.62 | 74.00 | -22.38 | peak |
| | 2 | 1483.364 | 58.79 | -9.73 | 49.06 | 54.00 | -4.94 | AVG |
| | 3 | 1631.124 | 56.92 | -9.20 | 47.72 | 74.00 | -26.28 | peak |
| | 4 | 1631.124 | 54.35 | -9.20 | 45.15 | 54.00 | -8.85 | AVG |
| | 5 | 2225.298 | 57.21 | -7.21 | 50.00 | 74.00 | -24.00 | peak |
| | 6 | 2225.298 | 54.83 | -7.21 | 47.62 | 54.00 | -6.38 | AVG |
| Vertical | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| | 1 | 1483.364 | 57.22 | -9.73 | 47.49 | 74.00 | -26.51 | peak |
| | 2 | 1483.364 | 54.69 | -9.73 | 44.96 | 54.00 | -9.04 | AVG |
| | 3 | 1919.035 | 56.50 | -8.10 | 48.40 | 74.00 | -25.60 | peak |
| | 4 | 1919.035 | 53.99 | -8.10 | 45.89 | 54.00 | -8.11 | AVG |
| | 5 | 2225.298 | 58.18 | -7.21 | 50.97 | 74.00 | -23.03 | peak |
| | 6 | 2225.298 | 55.75 | -7.21 | 48.54 | 54.00 | -5.46 | AVG |

| | | | |
|---------------|----------------|----------------|--------------|
| Date of Test: | June 20, 2013 | Temperature: | 25°C |
| EUT: | KARAOKE PLAYER | Humidity: | 50% |
| Model No.: | KB-816 | Power Supply: | AC 120V/60Hz |
| Test Mode: | Network | Test Engineer: | Alen |

| Frequency: 30-1000MHz | | | | | | | | |
|-------------------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Polarization | | | | | | | | |
| | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| Horizontal | 1 | 148.4410 | 60.65 | -23.77 | 36.88 | 43.50 | -6.62 | QP |
| | 2 | 211.5264 | 60.89 | -20.00 | 40.89 | 43.50 | -2.61 | QP |
| | 3 | 742.2586 | 52.01 | -8.79 | 43.22 | 46.50 | -3.28 | QP |
| Vertical | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| | 1 | 148.4410 | 59.25 | -23.77 | 35.48 | 43.50 | -8.02 | QP |
| | 2 | 202.1005 | 61.04 | -20.16 | 40.88 | 43.50 | -2.62 | QP |
| | 3 | 742.2586 | 49.69 | -8.79 | 40.90 | 46.50 | -5.60 | QP |
| Frequency: 1000-5000MHz | | | | | | | | |
| Polarization | | | | | | | | |
| | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| Horizontal | 1 | 1483.364 | 61.03 | -9.73 | 51.30 | 74.00 | -22.70 | peak |
| | 2 | 1483.364 | 58.63 | -9.73 | 48.90 | 54.00 | -5.10 | AVG |
| | 3 | 1631.123 | 56.90 | -9.20 | 47.70 | 74.00 | -26.30 | peak |
| | 4 | 1631.123 | 54.35 | -9.20 | 45.15 | 54.00 | -8.85 | AVG |
| | 5 | 2225.298 | 57.79 | -7.21 | 50.58 | 74.00 | -23.42 | peak |
| | 6 | 2225.298 | 55.32 | -7.21 | 48.11 | 54.00 | -5.89 | AVG |
| Vertical | No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| | 1 | 1483.364 | 56.53 | -9.73 | 46.80 | 74.00 | -27.20 | peak |
| | 2 | 1483.364 | 54.10 | -9.73 | 44.37 | 54.00 | -9.63 | AVG |
| | 3 | 1631.123 | 54.03 | -9.20 | 44.83 | 74.00 | -29.17 | peak |
| | 4 | 1631.124 | 51.65 | -9.20 | 42.45 | 54.00 | -11.55 | AVG |
| | 5 | 2225.298 | 60.07 | -7.21 | 52.86 | 74.00 | -21.14 | peak |
| | 6 | 2225.298 | 57.65 | -7.21 | 50.44 | 54.00 | -3.56 | AVG |

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams are attached as below display the measurement of peak values.



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #743

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/06/20/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/13/23

EUT: KARAOKE PLAYER

Engineer Signature:

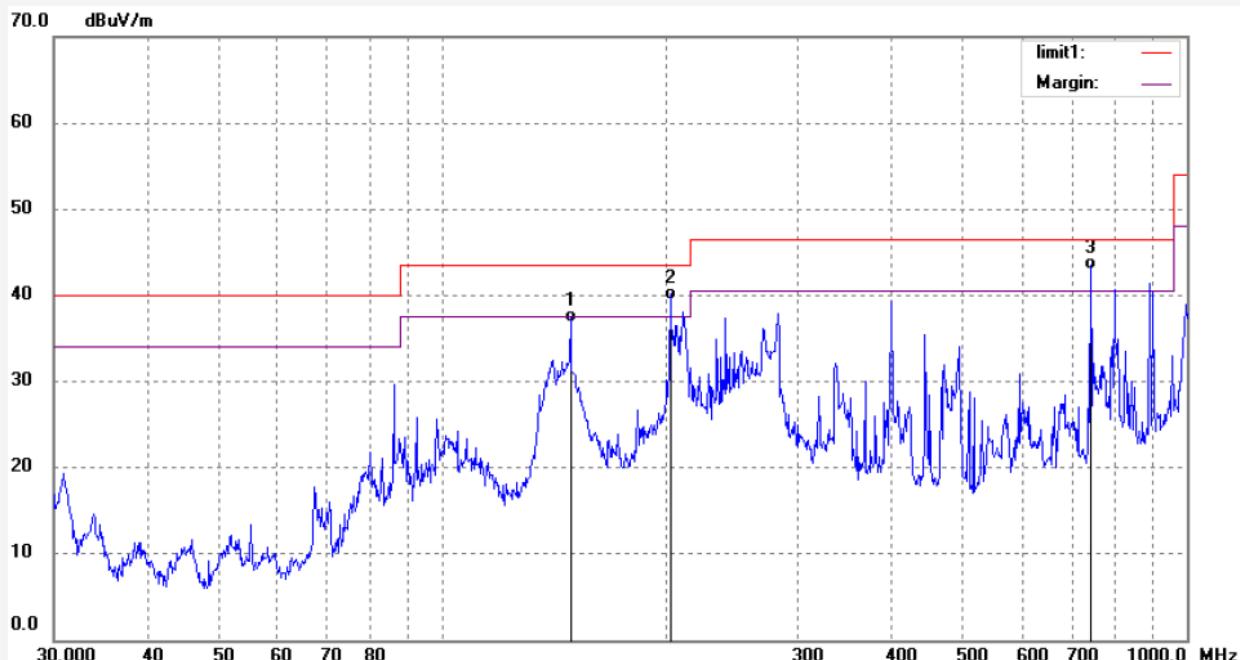
Mode: Playing

Distance: 3m

Model: KB-816

Manufacturer: Krisvision

Note: Report No:ATE20131219



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 148.4410 | 60.56 | -23.77 | 36.79 | 43.50 | -6.71 | QP | | | |
| 2 | 202.1005 | 59.68 | -20.16 | 39.52 | 43.50 | -3.98 | QP | | | |
| 3 | 742.2586 | 51.74 | -8.79 | 42.95 | 46.50 | -3.55 | QP | | | |



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #742

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/06/20/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/11/35

EUT: KARAOKE PLAYER

Engineer Signature:

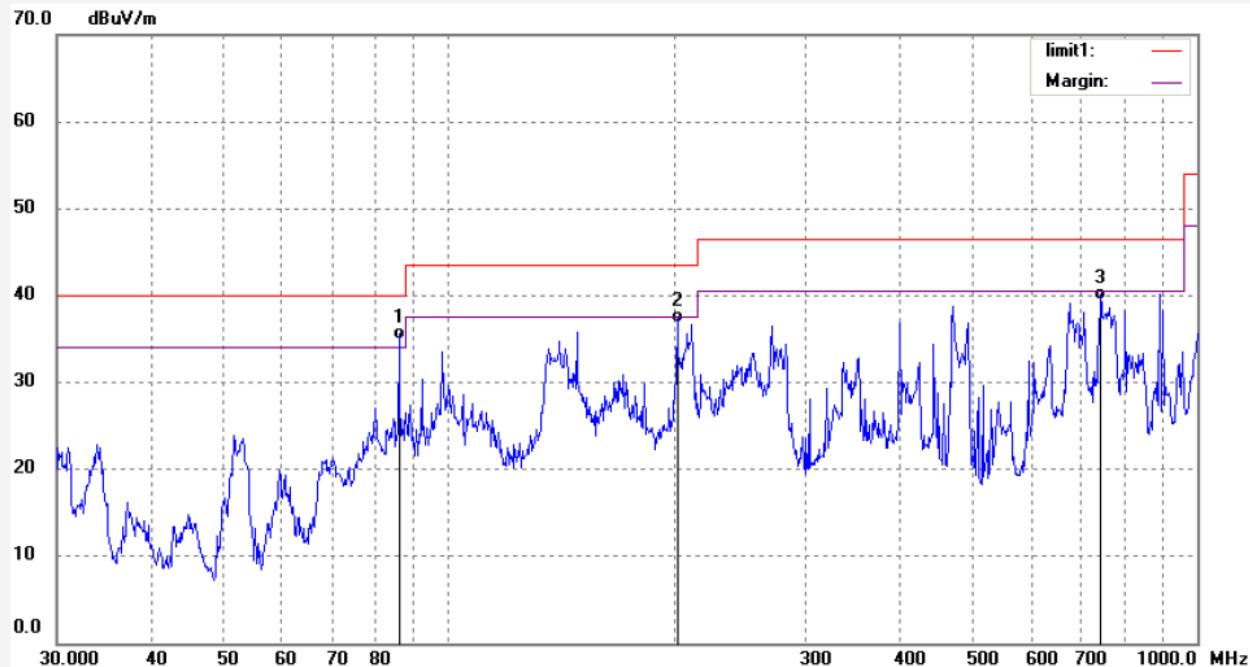
Mode: Playing

Distance: 3m

Model: KB-816

Manufacturer: Krisvision

Note: Report No:ATE20131219



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 85.8984 | 56.45 | -21.57 | 34.88 | 40.00 | -5.12 | QP | | | |
| 2 | 202.1005 | 57.02 | -20.16 | 36.86 | 43.50 | -6.64 | QP | | | |
| 3 | 742.2587 | 48.28 | -8.79 | 39.49 | 46.50 | -7.01 | QP | | | |


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: alen #752

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/06/20/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/32/29

EUT: KARAOKE PLAYER

Engineer Signature:

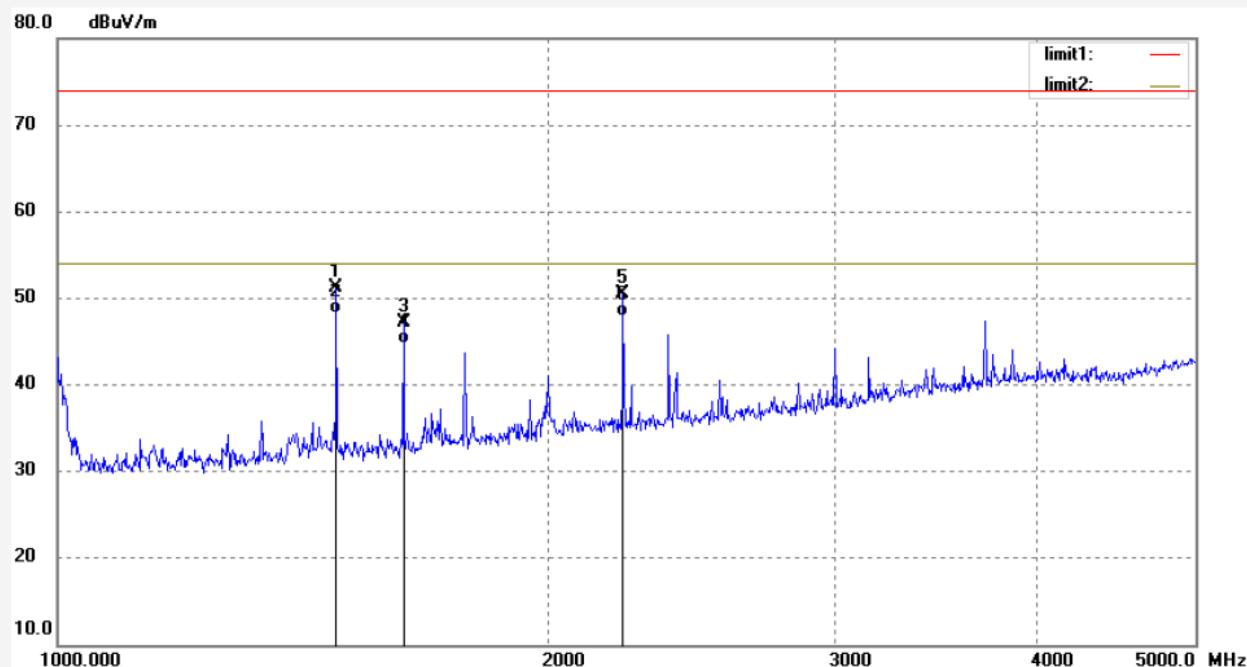
Mode: Playing

Distance: 3m

Model: KB-816

Manufacturer: Krisvision

Note: Report No:ATE20131219



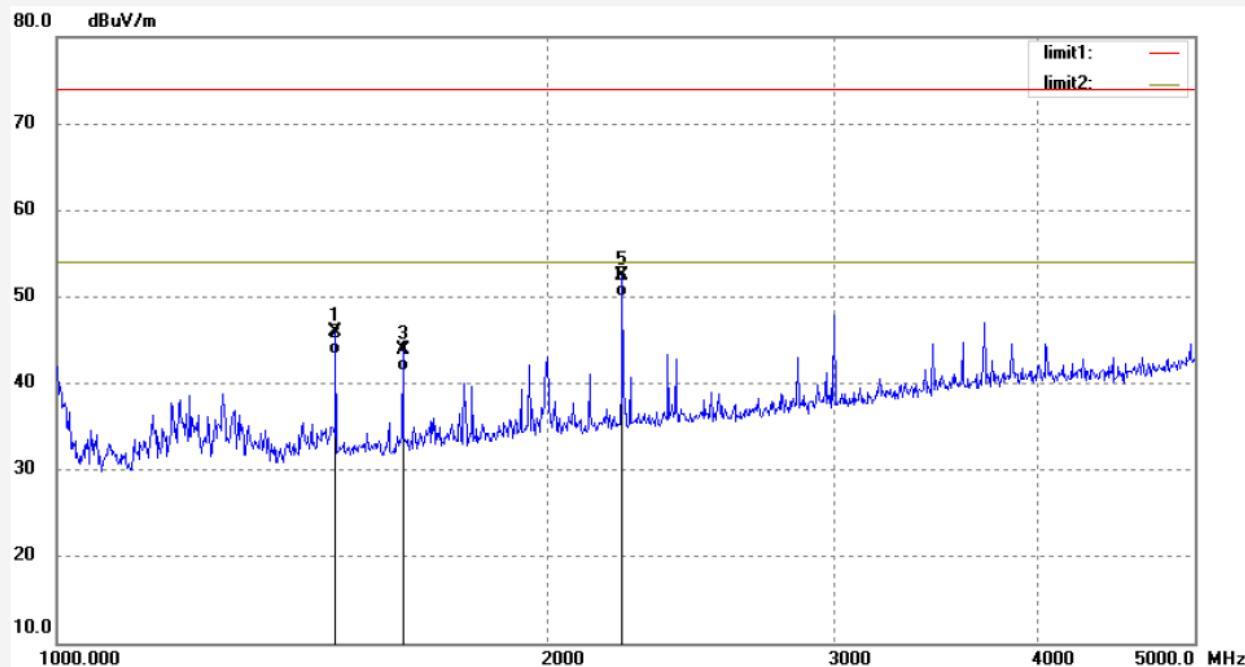
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1483.364 | 60.87 | -9.73 | 51.14 | 74.00 | -22.86 | peak | | | |
| 2 | 1483.364 | 57.98 | -9.73 | 48.25 | 54.00 | -5.75 | AVG | | | |
| 3 | 1631.124 | 56.45 | -9.20 | 47.25 | 74.00 | -26.75 | peak | | | |
| 4 | 1631.124 | 53.87 | -9.20 | 44.67 | 54.00 | -9.33 | AVG | | | |
| 5 | 2225.298 | 57.72 | -7.21 | 50.51 | 74.00 | -23.49 | peak | | | |
| 6 | 2225.298 | 55.12 | -7.21 | 47.91 | 54.00 | -6.09 | AVG | | | |


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

| | |
|-------------------------------|----------------------------|
| Job No.: alen #753 | Polarization: Vertical |
| Standard: FCC PK | Power Source: AC 120V/60Hz |
| Test item: Radiation Test | Date: 13/06/20/ |
| Temp.(C)/Hum.(%) 25 C / 55 % | Time: 14:33:40 |
| EUT: KARAOKE PLAYER | Engineer Signature: |
| Mode: Playing | Distance: 3m |
| Model: KB-816 | |
| Manufacturer: Krisvision | |
| Note: Report No:ATE20131219 | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1483.364 | 55.62 | -9.73 | 45.89 | 74.00 | -28.11 | peak | | | |
| 2 | 1483.364 | 53.12 | -9.73 | 43.39 | 54.00 | -10.61 | AVG | | | |
| 3 | 1631.124 | 53.09 | -9.20 | 43.89 | 74.00 | -30.11 | peak | | | |
| 4 | 1631.124 | 50.69 | -9.20 | 41.49 | 54.00 | -12.51 | AVG | | | |
| 5 | 2225.298 | 59.68 | -7.21 | 52.47 | 74.00 | -21.53 | peak | | | |
| 6 | 2225.298 | 57.23 | -7.21 | 50.02 | 54.00 | -3.98 | AVG | | | |


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: alen #744

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/06/20/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/15/56

EUT: KARAOKE PLAYER

Engineer Signature:

Mode: USB Playing

Distance: 3m

Model: KB-816

Manufacturer: Krisvision

Note: Report No:ATE20131219



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 211.5264 | 60.21 | -20.00 | 40.21 | 43.50 | -3.29 | QP | | | |
| 2 | 269.4284 | 58.86 | -18.71 | 40.15 | 46.50 | -6.35 | QP | | | |
| 3 | 742.2586 | 52.01 | -8.79 | 43.22 | 46.50 | -3.28 | QP | | | |


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: alen #745

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/06/20/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/17/46

EUT: KARAOKE PLAYER

Engineer Signature:

Mode: USB Playing

Distance: 3m

Model: KB-816

Manufacturer: Krisvision

Note: Report No:ATE20131219



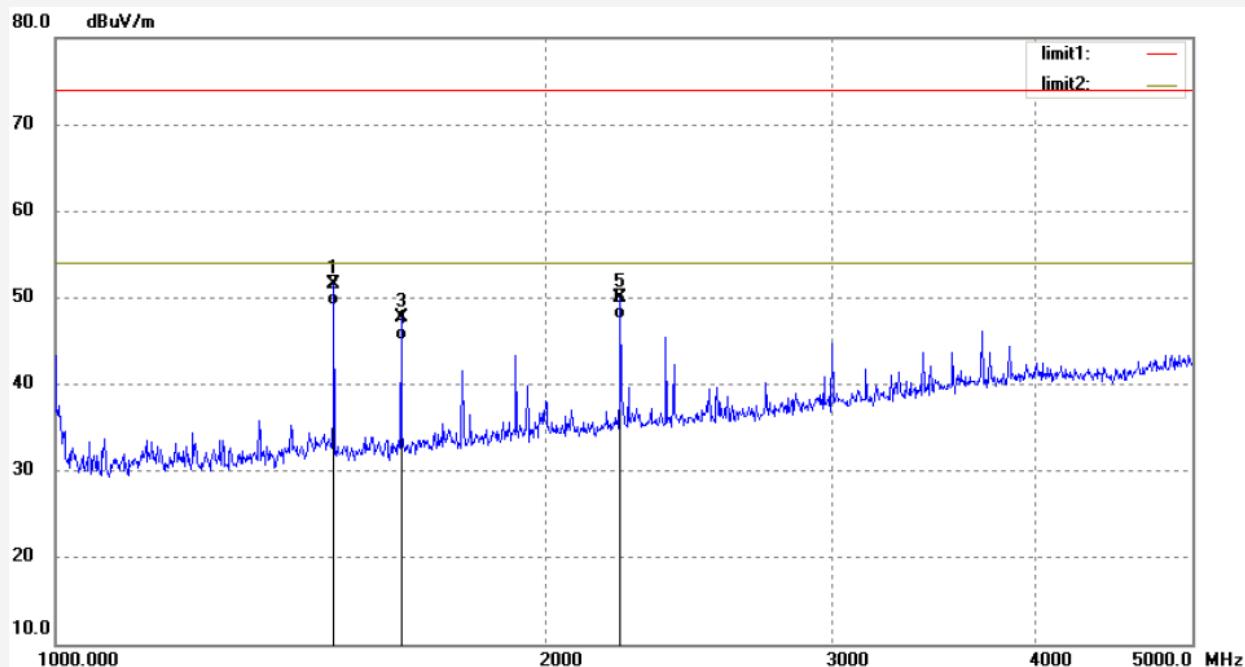
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 211.5264 | 60.03 | -20.00 | 40.03 | 43.50 | -3.47 | QP | | | |
| 2 | 269.4284 | 59.02 | -18.71 | 40.31 | 46.50 | -6.19 | QP | | | |
| 3 | 744.8660 | 49.21 | -8.73 | 40.48 | 46.50 | -6.02 | QP | | | |


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

| | | | |
|-------------------|-----------------------|---------------------|--------------|
| Job No.: | alen #751 | Polarization: | Horizontal |
| Standard: | FCC PK | Power Source: | AC 120V/60Hz |
| Test item: | Radiation Test | Date: | 13/06/20/ |
| Temp.(C)/Hum.(%) | 25 C / 55 % | Time: | 14/29/33 |
| EUT: | KARAOKE PLAYER | Engineer Signature: | |
| Mode: | USB Playing | Distance: | 3m |
| Model: | KB-816 | | |
| Manufacturer: | Krisvision | | |
| Note: | Report No:ATE20131219 | | |



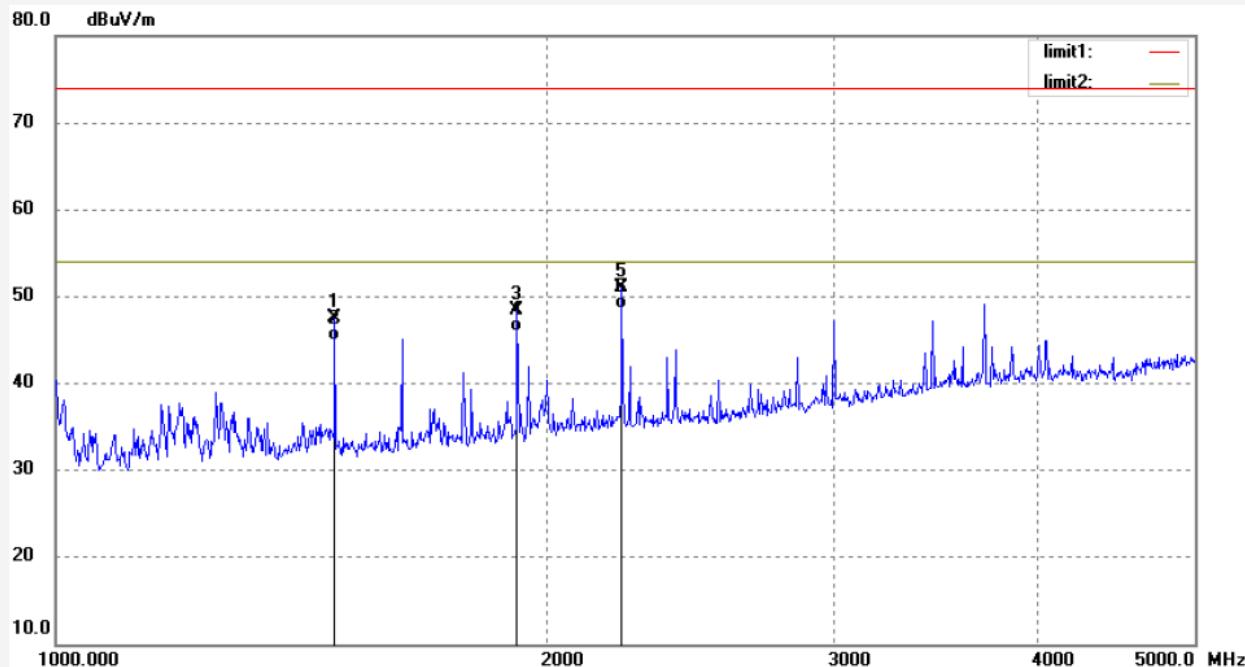
| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1483.364 | 61.35 | -9.73 | 51.62 | 74.00 | -22.38 | peak | | | |
| 2 | 1483.364 | 58.79 | -9.73 | 49.06 | 54.00 | -4.94 | AVG | | | |
| 3 | 1631.124 | 56.92 | -9.20 | 47.72 | 74.00 | -26.28 | peak | | | |
| 4 | 1631.124 | 54.35 | -9.20 | 45.15 | 54.00 | -8.85 | AVG | | | |
| 5 | 2225.298 | 57.21 | -7.21 | 50.00 | 74.00 | -24.00 | peak | | | |
| 6 | 2225.298 | 54.83 | -7.21 | 47.62 | 54.00 | -6.38 | AVG | | | |


ACCURATE TECHNOLOGY CO., LTD.

 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 1# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

| | | | |
|-------------------|-----------------------|---------------------|--------------|
| Job No.: | alen #750 | Polarization: | Vertical |
| Standard: | FCC PK | Power Source: | AC 120V/60Hz |
| Test item: | Radiation Test | Date: | 13/06/20/ |
| Temp.(C)/Hum.(%) | 25 C / 55 % | Time: | 14/28/24 |
| EUT: | KARAOKE PLAYER | Engineer Signature: | |
| Mode: | USB Playing | Distance: | 3m |
| Model: | KB-816 | | |
| Manufacturer: | Krisvision | | |
| Note: | Report No:ATE20131219 | | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1483.364 | 57.22 | -9.73 | 47.49 | 74.00 | -26.51 | peak | | | |
| 2 | 1483.364 | 54.69 | -9.73 | 44.96 | 54.00 | -9.04 | AVG | | | |
| 3 | 1919.035 | 56.50 | -8.10 | 48.40 | 74.00 | -25.60 | peak | | | |
| 4 | 1919.035 | 53.99 | -8.10 | 45.89 | 54.00 | -8.11 | AVG | | | |
| 5 | 2225.298 | 58.18 | -7.21 | 50.97 | 74.00 | -23.03 | peak | | | |
| 6 | 2225.298 | 55.75 | -7.21 | 48.54 | 54.00 | -5.46 | AVG | | | |



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #747

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 13/06/20/

Temp.(C)/Hum.(%) 25 C / 55 %

Time: 14/22/05

EUT: KARAOKE PLAYER

Engineer Signature:

Mode: Network

Distance: 3m

Model: KB-816

Manufacturer: Krisvision

Note: Report No:ATE20131219



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 148.4410 | 60.65 | -23.77 | 36.88 | 43.50 | -6.62 | QP | | | |
| 2 | 211.5264 | 60.89 | -20.00 | 40.89 | 43.50 | -2.61 | QP | | | |
| 3 | 742.2586 | 52.01 | -8.79 | 43.22 | 46.50 | -3.28 | QP | | | |

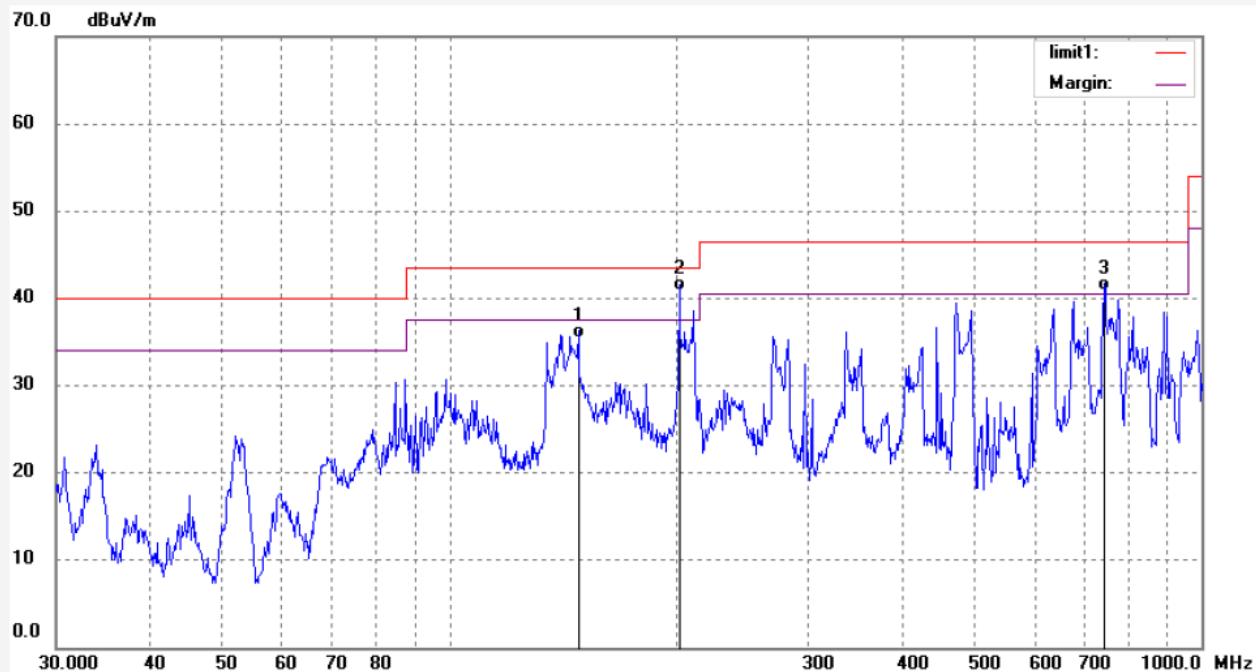


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | |
|-----------------------------------|----------------------------|
| Job No.: alen #746 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test | Date: 13/06/20/ |
| Temp.(C)/Hum.(%) 25 C / 55 % | Time: 14/19/25 |
| EUT: KARAOKE PLAYER | Engineer Signature: |
| Mode: Network | Distance: 3m |
| Model: KB-816 | |
| Manufacturer: Krisvision | |
| Note: Report No:ATE20131219 | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 148.4410 | 59.25 | -23.77 | 35.48 | 43.50 | -8.02 | QP | | | |
| 2 | 202.1005 | 61.04 | -20.16 | 40.88 | 43.50 | -2.62 | QP | | | |
| 3 | 742.2586 | 49.69 | -8.79 | 40.90 | 46.50 | -5.60 | QP | | | |

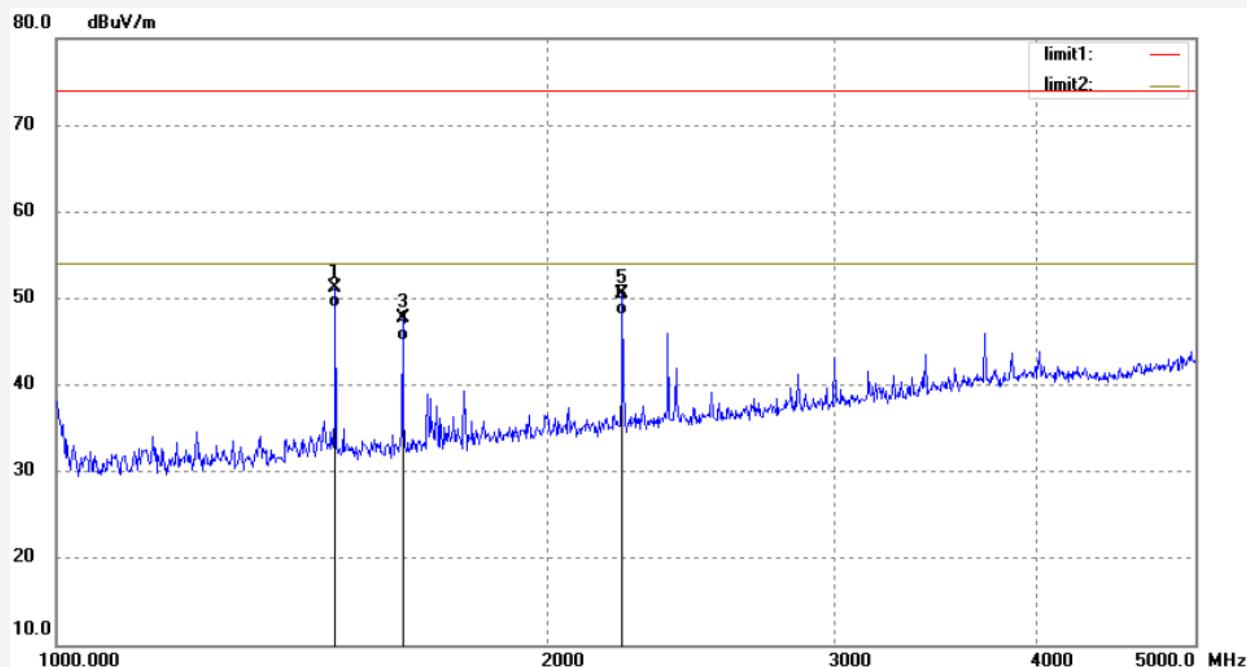


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | |
|-------------------------------|----------------------------|
| Job No.: alen #748 | Polarization: Horizontal |
| Standard: FCC PK | Power Source: AC 120V/60Hz |
| Test item: Radiation Test | Date: 13/06/20/ |
| Temp.(C)/Hum.(%) 25 C / 55 % | Time: 14/24/12 |
| EUT: KARAOKE PLAYER | Engineer Signature: |
| Mode: Network | Distance: 3m |
| Model: KB-816 | |
| Manufacturer: Krisvision | |
| Note: Report No:ATE20131219 | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1483.364 | 61.03 | -9.73 | 51.30 | 74.00 | -22.70 | peak | | | |
| 2 | 1483.364 | 58.63 | -9.73 | 48.90 | 54.00 | -5.10 | AVG | | | |
| 3 | 1631.123 | 56.90 | -9.20 | 47.70 | 74.00 | -26.30 | peak | | | |
| 4 | 1631.123 | 54.35 | -9.20 | 45.15 | 54.00 | -8.85 | AVG | | | |
| 5 | 2225.298 | 57.79 | -7.21 | 50.58 | 74.00 | -23.42 | peak | | | |
| 6 | 2225.298 | 55.32 | -7.21 | 48.11 | 54.00 | -5.89 | AVG | | | |

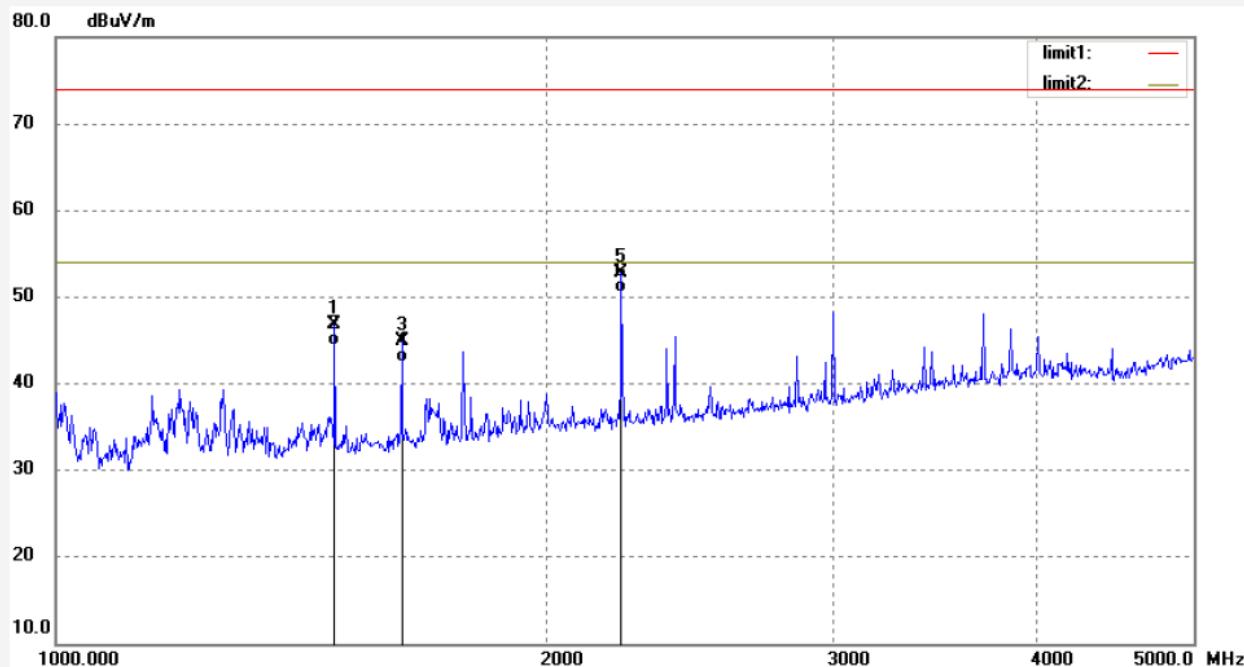


ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | |
|-------------------------------|----------------------------|
| Job No.: alen #749 | Polarization: Vertical |
| Standard: FCC PK | Power Source: AC 120V/60Hz |
| Test item: Radiation Test | Date: 13/06/20/ |
| Temp.(C)/Hum.(%) 25 C / 55 % | Time: 14/25/45 |
| EUT: KARAOKE PLAYER | Engineer Signature: |
| Mode: Network | Distance: 3m |
| Model: KB-816 | |
| Manufacturer: Krisvision | |
| Note: Report No:ATE20131219 | |



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1 | 1483.364 | 56.53 | -9.73 | 46.80 | 74.00 | -27.20 | peak | | | |
| 2 | 1483.364 | 54.10 | -9.73 | 44.37 | 54.00 | -9.63 | AVG | | | |
| 3 | 1631.123 | 54.03 | -9.20 | 44.83 | 74.00 | -29.17 | peak | | | |
| 4 | 1631.124 | 51.65 | -9.20 | 42.45 | 54.00 | -11.55 | AVG | | | |
| 5 | 2225.298 | 60.07 | -7.21 | 52.86 | 74.00 | -21.14 | peak | | | |
| 6 | 2225.298 | 57.65 | -7.21 | 50.44 | 54.00 | -3.56 | AVG | | | |