

TEST REPORT

FCC ID: 2AKIN-CNMD0016

Product: CINEMOOD STORYTELLER

Model No.: CNMD0016

Additional Model No.: CNMD0016XX

Trade Mark: **CINEMOOD**

Report No.: TCT180628E031

Issued Date: Jul. 06, 2018

Issued for:

CINEMOOD Trendsetters co.

2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware,
19808 United States

Issued By:

Shenzhen Tongce Testing Lab.

1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,
Shenzhen, Guangdong, China

TEL: +86-755-27673339

FAX: +86-755-27673332

Note: This report shall not be reproduced except in full, without the written approval of Shenzhen Tongce Testing Lab.

This document may be altered or revised by Shenzhen Tongce Testing Lab. personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

TABLE OF CONTENTS

1. Test Certification 3

2. Test Result Summary 4

3. EUT Description..... 5

4. Genera Information..... 6

 4.1. Test Environment and Mode 6

 4.2. Description of Support Units 6

5. Facilities and Accreditations 7

 5.1. Facilities 7

 5.2. Location..... 7

 5.3. Measurement Uncertainty 7

6. Test Results and Measurement Data 8

 6.1. Antenna Requirement 8

 6.2. Conducted Emission..... 9

 6.3. Radiated Emission Measurement..... 13

 6.4. Occupied Bandwidth..... 17

 6.5. Frequency stability..... 19

Appendix A: Photographs of Test Setup

Appendix B: Photographs of EUT

1. Test Certification

| | |
|------------------------------|--|
| Product: | CINEMOOD STORYTELLER |
| Model No.: | CNMD0016 |
| Additional Model: | CNMD0016XX |
| Trade Mark: | CINEMOOD |
| Applicant: | CINEMOOD Trendsetters co. |
| Address: | 2711 Centerville Road, Suite 400, Wilmington, New Castle County, Delaware, 19808 United States |
| Manufacturer: | Jiuzhou Group(Hong Kong)Holdings Limited |
| Address: | Jiuzhou Industrial Park, Gongming, Guangming New District, Shenzhen, China |
| Date of Test: | Jun. 29, 2018 – Jul. 06, 2018 |
| Applicable Standards: | FCC CFR Title 47 Part 15 Subpart C Section 15.225 |

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:



Jin Wang

Date:

Jul. 06, 2018

Reviewed By:



Beryl Zhao

Date:

Jul. 06, 2018

Approved By:



Tomsin

Date:

Jul. 06, 2018

2. Test Result Summary

| Requirement | CFR 47 Section IC Paragraph | Result |
|-------------------------------------|--------------------------------------|--------|
| Antenna requirement | §15.203 | PASS |
| AC Power Line Conducted Emission | §15.207 | PASS |
| Spurious emissions | §15.225/ §15.209 §2.1053, §2.1057 | PASS |
| Occupied Bandwidth | §15.215 (c) §2.1049 | PASS |
| Frequency stability | §15.225 §2.1055 | PASS |

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.

3. EUT Description

| | |
|-------------------------------|---|
| Product Name: | CINEMOOD STORYTELLER |
| Model : | CNMD0016 |
| Additional Model: | CNMD0016XX: XX – It's regional code like US/RU/EU, etc. |
| Trade Mark: | CINEMOOD |
| Hardware Version: | Main Board: V1.6.2 Key Board: V1.3 |
| Software Version: | 1239 |
| Operation Frequency: | 13.56MHz |
| Modulation Technology: | ASK |
| Antenna Type: | Internal Antenna |
| Antenna Gain: | 2dBi |
| Power Supply: | Rechargeable Li-ion battery DC 3.7V |
| AC adapter: | Adapter Information: MODEL: KA1517-0502000USU INPUT: AC 100-240V, 50/60Hz, 0.35A OUTPUT: 5V, 2.0A |
| Remark: | All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. |

4. General Information

4.1. Test Environment and Mode

| Operating Environment: | |
|--|---|
| Temperature: | 24.0 °C |
| Humidity: | 54 % RH |
| Atmospheric Pressure: | 1010 mbar |
| Test Mode: | |
| Operation mode: | Keep the EUT in continuous transmitting with modulation |
| <p>The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> | |

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| / | / | / | / | / |

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

5. Facilities and Accreditations

5.1. Facilities

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

- FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

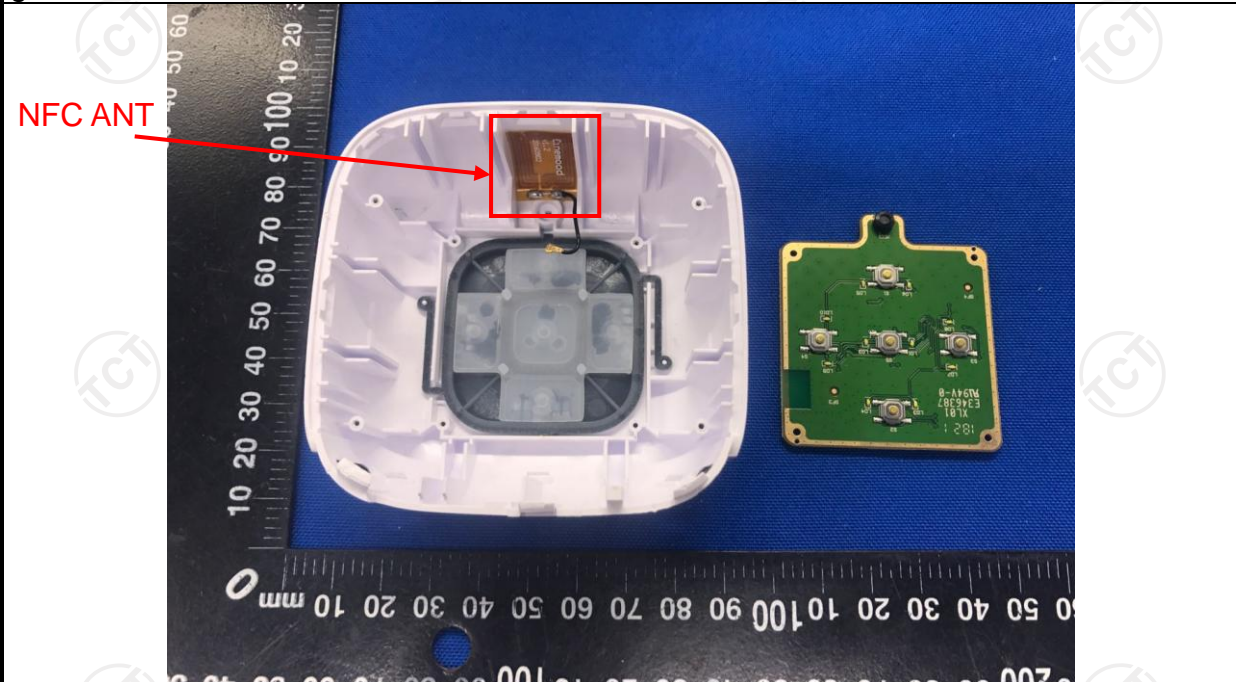
The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

| No. | Item | MU |
|-----|-------------------------------|-------------------------|
| 1 | Conducted Emission | $\pm 2.56\text{dB}$ |
| 2 | RF power, conducted | $\pm 0.12\text{dB}$ |
| 3 | Spurious emissions, conducted | $\pm 0.11\text{dB}$ |
| 4 | All emissions, radiated(<1G) | $\pm 3.92\text{dB}$ |
| 5 | All emissions, radiated(>1G) | $\pm 4.28\text{dB}$ |
| 6 | Temperature | $\pm 0.1^\circ\text{C}$ |
| 7 | Humidity | $\pm 1.0\%$ |

6. Test Results and Measurement Data

6.1. Antenna Requirement

| | |
|--|-----------------------------|
| Standard requirement: | FCC Part15 C Section 15.203 |
| <p>15.203 requirement: 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p> | |
| E.U.T Antenna: | |
| <p>The NFC antenna is internal antenna which permanently attached, and the best case gain of the antenna is 2dBi.</p> | |



6.2. Conducted Emission

6.2.1. Test Specification

| Test Requirement: | FCC Part15 C Section 15.207 | | | | | | | | | | | | | | |
|--------------------------|--|-----------------------|--------------|--|------------|---------|----------|-----------|-----------|-------|----|----|------|----|----|
| Test Method: | ANSI C63.10:2013 | | | | | | | | | | | | | | |
| Frequency Range: | 150 kHz to 30 MHz | | | | | | | | | | | | | | |
| Receiver setup: | RBW=9 kHz, VBW=30 kHz, Sweep time=auto | | | | | | | | | | | | | | |
| Limits: | <table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> | 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 |
| 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 | | | | | | | | | | | | | |
| Test Setup: | <p><i>Remark:</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p> | | | | | | | | | | | | | | |
| Test Mode: | Refer to section 4.1 for details | | | | | | | | | | | | | | |
| Test Procedure: | <ol style="list-style-type: none"> 1. The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement. | | | | | | | | | | | | | | |
| Test Result: | PASS | | | | | | | | | | | | | | |

6.2.2. Test Instruments

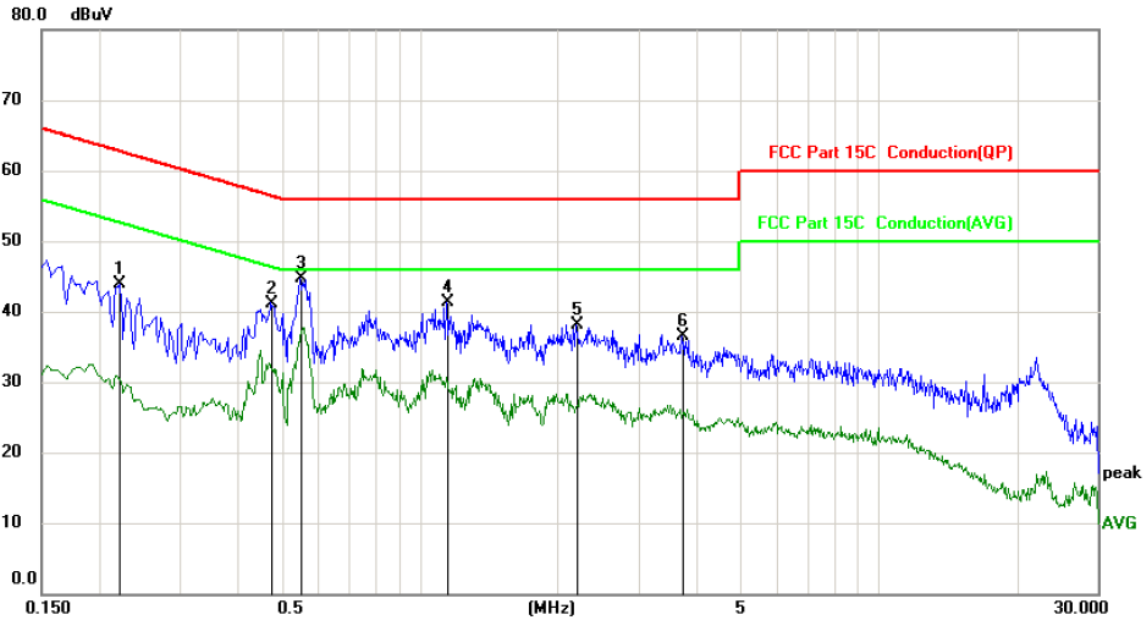
| Conducted Emission Shielding Room Test Site (843) | | | | |
|---|-----------------------|-----------|---------------|-----------------|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| EMI Test Receiver | R&S | ESCS30 | 100139 | Sep. 27, 2018 |
| LISN | Schwarzbeck | NSLK 8126 | 8126453 | Sep. 27, 2018 |
| Coax cable (9kHz-40GHz) | TCT | CE-05 | N/A | Sep. 27, 2018 |
| EMI Test Software | Shurple Technology | EZ-EMC | N/A | N/A |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



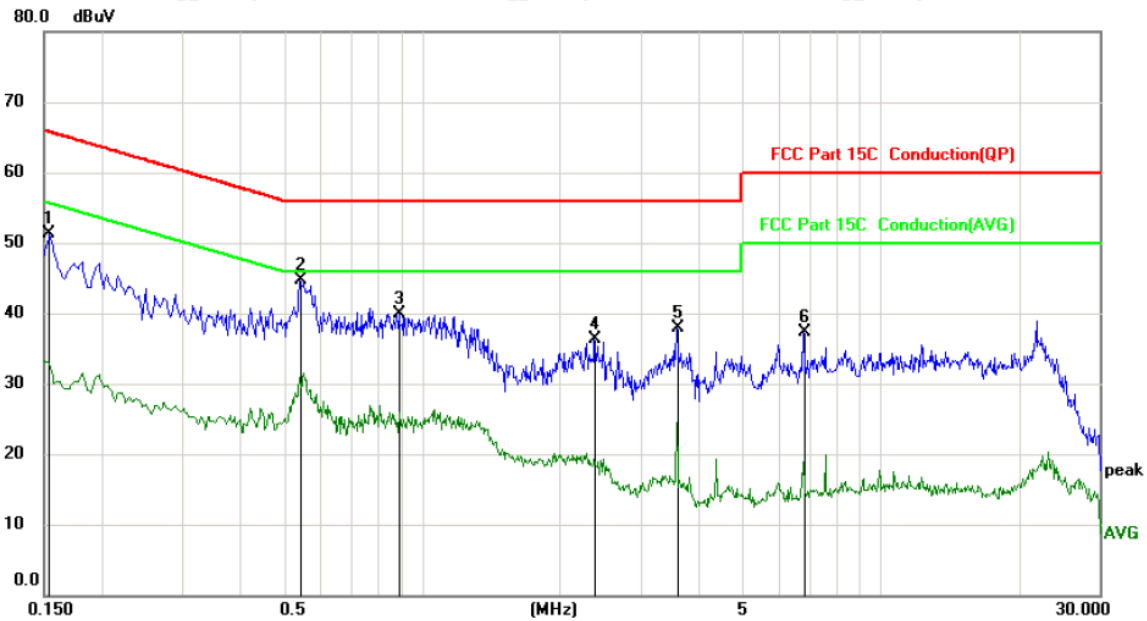
Site: _____ Phase: **L1** Temperature: 25
Limit: FCC Part 15C Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.2220 | 42.40 | 1.46 | 43.86 | 62.74 | -18.88 | peak | |
| 2 | | 0.4740 | 39.88 | 1.32 | 41.20 | 56.44 | -15.24 | peak | |
| 3 | * | 0.5500 | 43.40 | 1.28 | 44.68 | 56.00 | -11.32 | peak | |
| 4 | | 1.1420 | 40.02 | 1.28 | 41.30 | 56.00 | -14.70 | peak | |
| 5 | | 2.1900 | 36.55 | 1.63 | 38.18 | 56.00 | -17.82 | peak | |
| 6 | | 3.7340 | 35.39 | 1.07 | 36.46 | 56.00 | -19.54 | peak | |

Note:

- Freq. = Emission frequency in MHz
- Reading level (dBuV) = Receiver reading
- Corr. Factor (dB) = Antenna factor + Cable loss
- Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)
- Limit (dBuV) = Limit stated in standard
- Margin (dB) = Measurement (dBuV) – Limits (dBuV)
- Q.P. =Quasi-Peak, AVG =average
- * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site: _____ Phase: **N** Temperature: 25
 Limit: FCC Part 15C Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

| No. | Mk. | Freq. MHz | Reading Level dBµV | Correct Factor dB | Measure- ment dBµV | Limit dBµV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | | 0.1539 | 49.86 | 1.49 | 51.35 | 65.79 | -14.44 | peak | |
| 2 | * | 0.5420 | 43.32 | 1.29 | 44.61 | 56.00 | -11.39 | peak | |
| 3 | | 0.8900 | 38.63 | 1.21 | 39.84 | 56.00 | -16.16 | peak | |
| 4 | | 2.3740 | 34.77 | 1.56 | 36.33 | 56.00 | -19.67 | peak | |
| 5 | | 3.5900 | 36.71 | 1.13 | 37.84 | 56.00 | -18.16 | peak | |
| 6 | | 6.7860 | 36.44 | 0.91 | 37.35 | 60.00 | -22.65 | peak | |

Note:

- Freq. = Emission frequency in MHz
- Reading level (dBµV) = Receiver reading
- Corr. Factor (dB) = Antenna factor + Cable loss
- Measurement (dBµV) = Reading level (dBµV) + Corr. Factor (dB)
- Limit (dBµV) = Limit stated in standard
- Margin (dB) = Measurement (dBµV) – Limits (dBµV)
- Q.P. =Quasi-Peak
- AVG =average
- * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

6.3. Radiated Emission Measurement

6.3.1. Test Specification

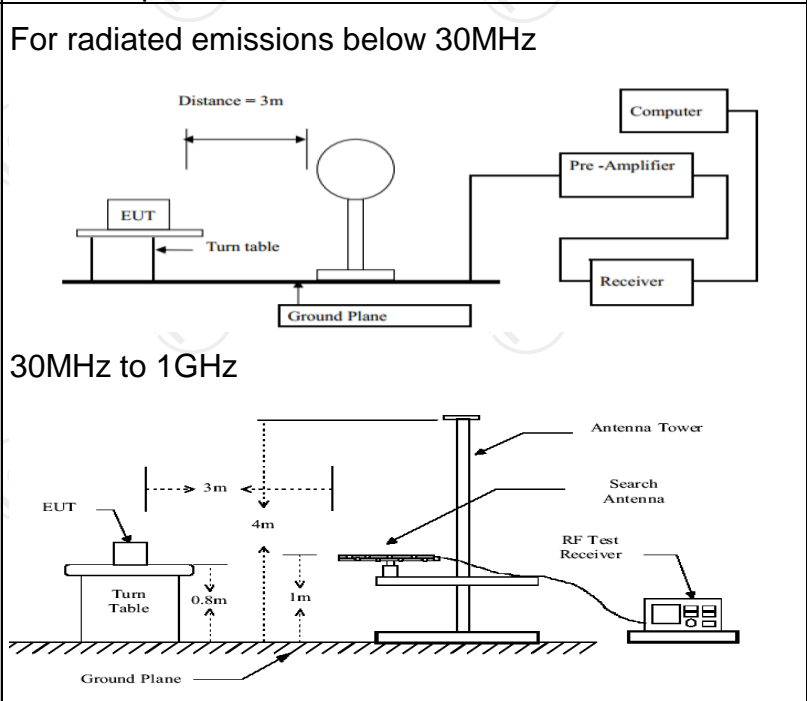
| | | | | | |
|---|---|--------------------------|---------------------------------|-----------------|------------------|
| Test Requirement: | FCC Part15 C Section 15.225 | | | | |
| Test Method: | ANSI C63.10: 2013 | | | | |
| Frequency Range: | 9 kHz to 1000 MHz | | | | |
| Measurement Distance: | 3 m | | | | |
| Antenna Polarization: | Horizontal & Vertical | | | | |
| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark |
| | 9kHz- 150kHz | Quasi-peak | 200Hz | 1kHz | Quasi-peak Value |
| | 150kHz- 30MHz | Quasi-peak | 9kHz | 30kHz | Quasi-peak Value |
| | 30MHz-1GHz | Quasi-peak | 100kHz | 300kHz | Quasi-peak Value |
| Limit: | FCC Part15 C Section 15.225 | | | | |
| | Frequency (MHz) | Limit (uV/m @30m) | Limit (dBuV/m @3m) | Detector | |
| | 13.110-13.410 | 106 | 80.5 | QP | |
| | 13.410-13.553 | 334 | 90.5 | QP | |
| | 13.553-13.567 | 15848 | 124.0 | QP | |
| | 13.567-13.7110 | 224 | 90.5 | QP | |
| | 13.710-14.010 | 106 | 80.5 | QP | |
| | Note: RF Voltage (dBuV) = 20 log RF Voltage (uV) Limit (dBuV/m @3m) = 20log(Limit (uV/m @30m)) + 40 | | | | |
| | FCC Part15 C Section 15.209 | | | | |
| | Frequency Range (MHz) | Distance (m) | Field strength (dBµ V/m) | Detector | |
| | 0.009-0.490 | 3 | 20log 2400/F (kHz) + 80 | QP | |
| | 0.490-1.705 | 3 | 20log 24000/F (kHz) + 40 | QP | |
| 1.705-30 | 3 | 20log 30 + 40 | QP | | |
| 30-88 | 3 | 40.0 | 40.0 | | |
| 88-216 | 3 | 43.5 | 43.5 | | |
| 216-960 | 3 | 46.0 | 46.0 | | |
| Above 960 | 3 | 54.0 | 54.0 | | |
| Note: | | | | | |
| 1. RF Voltage (dBuV) = 20 log RF Voltage (uV) | | | | | |
| 2. In the Above Table, the tighter limit applies at the band edges. | | | | | |
| 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT | | | | | |
| 4. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position. | | | | | |
| 5. If measurement is made at 3m distance, then F.S Limitation at 3m | | | | | |

distance is adjusted by using the formula $Ld1 = Ld2 * (d2/d1)$

Test Procedure:

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber in below 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Test setup:



| | |
|----------------------|----------------------------------|
| Test Mode: | Refer to section 4.1 for details |
| Test results: | PASS |

6.3.2. Test Instruments

| Radiated Emission Test Site (966) | | | | |
|-----------------------------------|--|------------|---------------|-----------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| ESPI Test Receiver | ROHDE&SCHW ARZ | ESVD | 100008 | Sep. 27, 2018 |
| Spectrum Analyzer | ROHDE&SCHW ARZ | FSEM | 848597/001 | Sep. 27, 2018 |
| Pre-amplifier | EM Electronics Corporation CO.,LTD | EM30265 | 07032613 | Sep. 27, 2018 |
| Pre-amplifier | HP | 8447D | 2727A05017 | Sep. 27, 2018 |
| Loop antenna | ZHINAN | ZN30900A | 12024 | Sep. 27, 2018 |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Sep. 27, 2018 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Sep. 27, 2018 |
| Coax cable (9kHz-40GHz) | TCT | N/A | N/A | Sep. 27, 2018 |
| Coax cable (9kHz-40GHz) | TCT | N/A | N/A | Sep. 27, 2018 |
| Coax cable (9kHz-40GHz) | TCT | N/A | N/A | Sep. 27, 2018 |
| Coax cable (9kHz-40GHz) | TCT | N/A | N/A | Sep. 27, 2018 |
| EMI Test Software | Shurple Technology | EZ-EMC | N/A | N/A |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.3.3. Test Data

Field Strength of Fundamental

| Frequency (MHz) | Emission (dBuV/m) | Limits (dBuV/m) | Margin (dB) |
|-----------------|-------------------|-----------------|-------------|
| 13.56 | 78.50 | 124 | -45.50 |

Spurious Emissions


| Frequency (MHz) | Emission Level (dBuV/m) | Horizontal /Vertical | Limit Line (dBuV/m) | Detector | Margin (dB) |
|-----------------|-------------------------|----------------------|---------------------|----------|-------------|
| 5.38 | 26.44 | V | 69.54 | QP | -43.10 |
| 27.12 | 25.68 | V | 69.54 | QP | -43.86 |
| 40.68 | 28.32 | H | 40.00 | QP | -11.68 |
| 40.68 | 35.37 | V | 40.00 | QP | -4.63 |
| 54.24 | 32.35 | H | 40.00 | QP | -7.65 |
| 54.24 | 29.46 | V | 40.00 | QP | -10.54 |

Note : 1) QP= Quasi-peak

2) Emission Level = Reading Level + Antenna Factor + Cable Loss.

6.4. Occupied Bandwidth

6.4.1. Test Specification

| | |
|--------------------------|--|
| Test Requirement: | FCC Part15 C Section 15.215(c) |
| Test Method: | ANSI C63.10: 2013 |
| Limit: | N/A |
| Test Procedure: | <ol style="list-style-type: none"> 1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW \geq 1% of the 20 dB bandwidth; VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report. |
| Test setup: |  <p style="text-align: center;">Spectrum Analyzer EUT</p> |
| Test Mode: | Refer to section 4.1 for details |
| Test results: | PASS |

6.4.2. Test Instruments

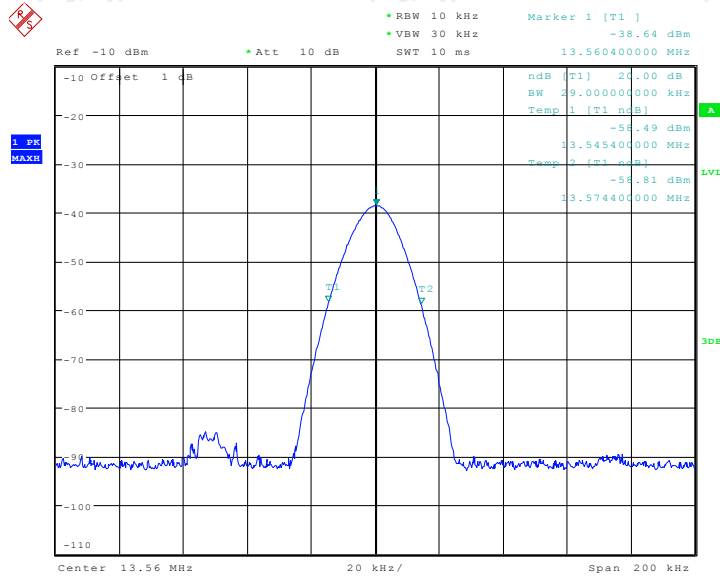
| RF Test Room | | | | |
|-------------------|--------------|-------|---------------|-----------------|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| Spectrum Analyzer | R&S | FSU | 200054 | Sep. 27, 2018 |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.4.3. Test data

| Frequency(MHz) | 20dB Occupy Bandwidth (kHz) | Limit (kHz) | Conclusion |
|----------------|-----------------------------|-------------|------------|
| 13.56 | 29 | --- | PASS |

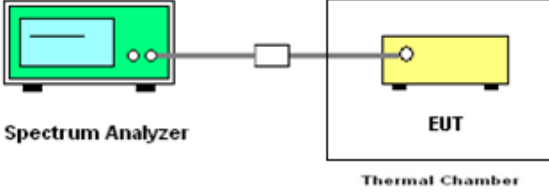
Test plots as follows:



Date: 6 JUL 2018, 10:24:12

6.5. Frequency stability

6.5.1. Test Specification

| | |
|--------------------------|--|
| Test Requirement: | FCC Part15 C Section 15.225 |
| Test Method: | ANSI C63.10 : 2013 |
| Operation mode: | Refer to item 4.1 |
| Limit: | +/-0.01% |
| Test Setup: |  <p>The diagram illustrates the test setup. On the left is a Spectrum Analyzer (green box with a screen). A cable connects it to a Thermal Chamber (yellow box). Inside the Thermal Chamber is the Equipment Under Test (EUT, yellow box). The Thermal Chamber is labeled 'Thermal Chamber' below it.</p> |
| Test Procedure: | <ol style="list-style-type: none"> 1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a spectrum analyzer. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to 0°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +45°C reached. |
| Test Result: | PASS |

6.5.2. Test Instruments

| RF Test Room | | | | |
|-------------------|--------------|-----------|---------------|-----------------|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due |
| Spectrum Analyzer | R&S | FSU | 200054 | Sep. 27, 2018 |
| DC Power | GW | GPR-6030D | / | Sep. 27, 2018 |

6.5.3. Test Data

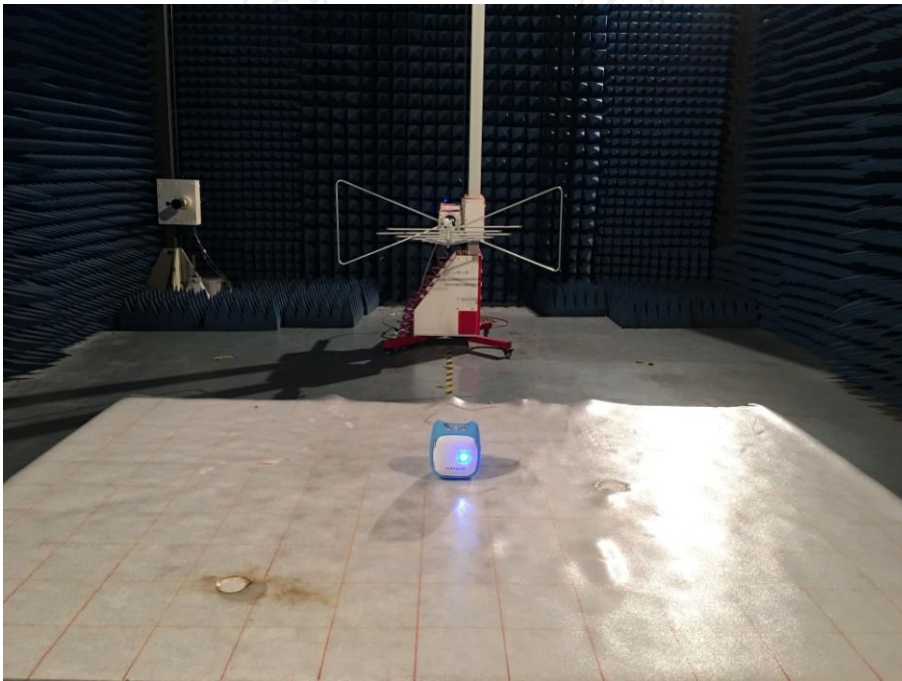
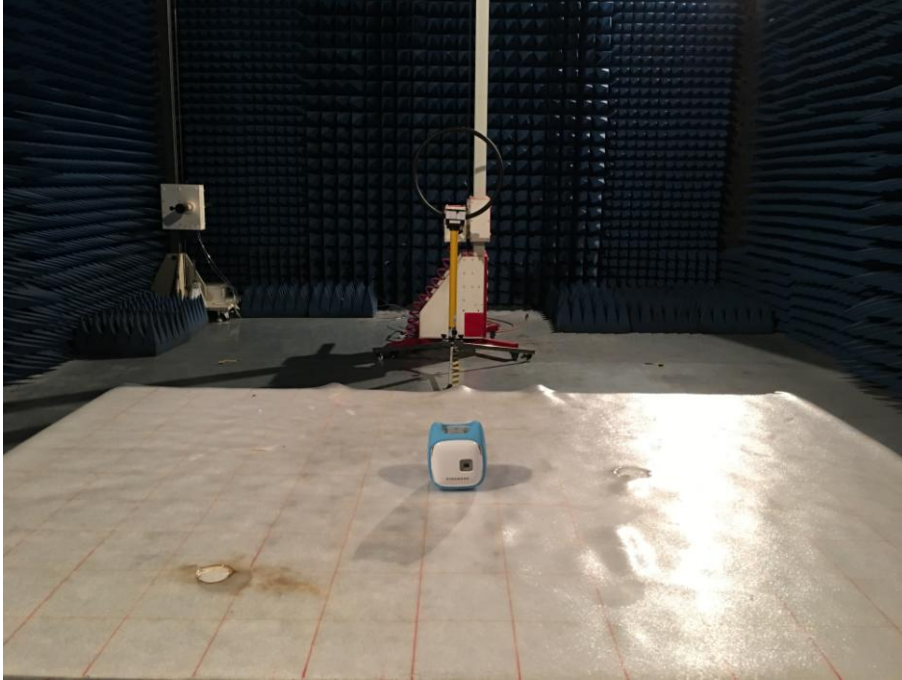
| Voltage (Vdc) | Temperature (°C) | Frequency (MHz) | Deviation (%) | Limit (%) |
|---------------|------------------|-----------------|---------------|-----------|
| 3.7 | 0 | 13.560139 | 0.00103 | +/-0.01% |
| 3.7 | 10 | 13.56026 | 0.00192 | |
| 3.7 | 20 | 13.560154 | 0.00114 | |
| 3.7 | 30 | 13.560288 | 0.00212 | |
| 3.7 | 40 | 13.560203 | 0.00150 | |
| 3.7 | 45 | 13.560208 | 0.00153 | |
| 4.25 | 20 | 13.560167 | 0.00123 | |
| 3.0 | 20 | 13.560154 | 0.00114 | |

Appendix A: Photographs of Test Setup

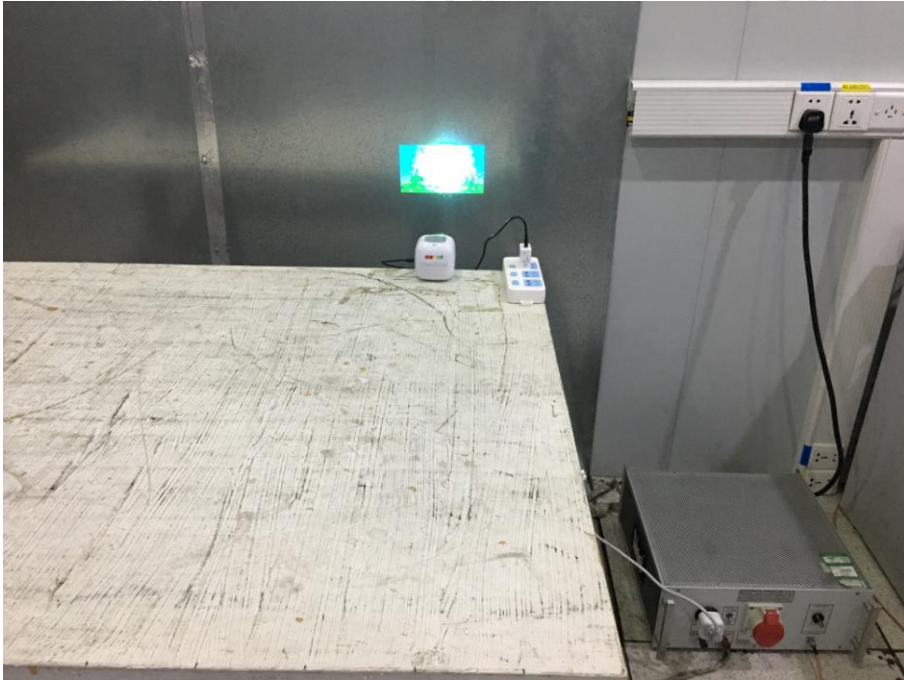
Product: CINEMOOD STORYTELLER

Model: CNMD0016

Radiated Emission



CE



Appendix B: Photographs of EUT

Refer to test report TCT180628E025

*******END OF REPORT*******