

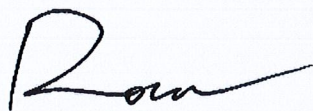
RADIO TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the procedures in ANSI C63.10(2013).

Applicant / Manufacturer : Action Electronics Co., Ltd.
Address : 2480, TINGKAT PERUSAHAAN ENAM, PRAI FREE TRADE ZONE,
13600, PERAI, PENANG, MALAYSIA
Factory : Shenzhen SSP INDUSTRIES CO., LTD
Address : 4 Floor, Block 1, NO.25 Jinxiang Industrial Park, Jian'an Road, Fuyong
Town, Bao'an District, Shenzhen, China
E.U.T. : 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT
FOR REAR SEAT ENTERTAINMENT
Brand Name : moviestoGO
Model No. : HRD60701, MTGHRD1 (For model difference refer to section 1.)
FCC ID : AT19R3HRD60701
Measurement Standard : FCC PART 15.239
Date of Receiver : June 08, 2017
Date of Test : June 08, 2017 to June 30, 2017
Date of Report : June 30, 2017

This Test Report is Issued Under the Authority of :

Prepared by



Rose Hu / Engineer

Approved & Authorized Signer



Iori Fan / Authorized Signatory

This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.



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1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test

| | |
|-----------------------------|--|
| Product name | : 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT |
| Power Supply | : DC 12V |
| Adapter | : None |
| Test voltage | : DC 12V |
| Model name | : HRD60701, MTGHRD1 All tests performed on model HRD60701. |
| Model difference | : Both of models have the same circuit schematic, construction, PCB Layout and critical components. Their difference in model number due to trading purpose. |
| Hardware version | : V1.0 |
| Software version | : V1.0 |
| Serial number | : N/A |
| Note | : N/A |
| Technical parameters | |
| Frequency Range | : 88.1~107.9MHz |
| Modulation | : FM |
| Channel space | : 100KHz |
| Number of Channel | : 199 |
| Antenna Type | : Integral Antenna |
| Antenna Gain | : 1.0 dBi |

Test Frequency

| FM | |
|---------|-----------------|
| Channel | Frequency (MHz) |
| Low | 88.1 |
| Mid | 97.9 |
| High | 107.9 |

Note 1 : According to section 15.31(m), regards to the operating frequency range over 10MHz, the Lowest, middle, and the Highest frequency of channel were selected to perform the test. The selected frequency see below:

Note 2 : All the requirements have been tested by modulating the transmitter with a 2.5KHz tone at a level 16dB higher than that required to produce a frequency deviation of 75KHz.

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: AT19R3HRD60701 filing to comply with Section 15.239 of the FCC Part 15(2016), Subpart C Rule.

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters. All other measurements were made in accordance with the procedures in 47 CFR part 2.

1.4 Equipment Modifications

Not available for this EUT intended for grant.

1.5 Support Device

Audio
Signal Generator : Manufacturer: LONGWEIINSTRUMENTS (H.K)
CO., LTD.
M/N: TAG-101
S/N: N/A
CE

1.6 Test Facility and Location

Listed by FCC, July 03, 2014
The Certificate Registration Number is 665078.
Listed by Industry Canada, June 18, 2014
The Certificate Registration Number is 9743A.

Dongguan NTC Co., Ltd.
(Full Name: Dongguan Nore Testing Center Co., Ltd.)

Building D, Gaosheng Science and Technology Park, Hongtu Road,
Nancheng District, Dongguan City, Guangdong, China
(Full Name: Building D, Gaosheng Science & Technology Park,
Zhouxi Longxi Road, Nancheng District, Dongguan, Guangdong, China.



1.7 Summary of Test Results

| FCC Rules | Description Of Test | Uncertainty | Result |
|------------------------------------|--|---------------------------|------------|
| §15.207 (a) | AC Power Conducted Emission | ±2.07dB | N/A |
| §15.239(a)/ §2.1049 | Occupied Bandwidth | ±1.42 x10 ⁻⁴ % | Compliance |
| §15.239(b) | Field strength of the fundamental signal | ±3.70dB | Compliance |
| §15.239(b)(c)/ §15.209/ §2.1053 | Spurious emissions | ±3.70dB | Compliance |
| § 15.203 | Antenna requirements | --- | Compliance |

Note: Due to this EUT is powered by DC 12V vehicle battery only, the AC Power Conducted Emission is not applicable.

2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 Special Accessories

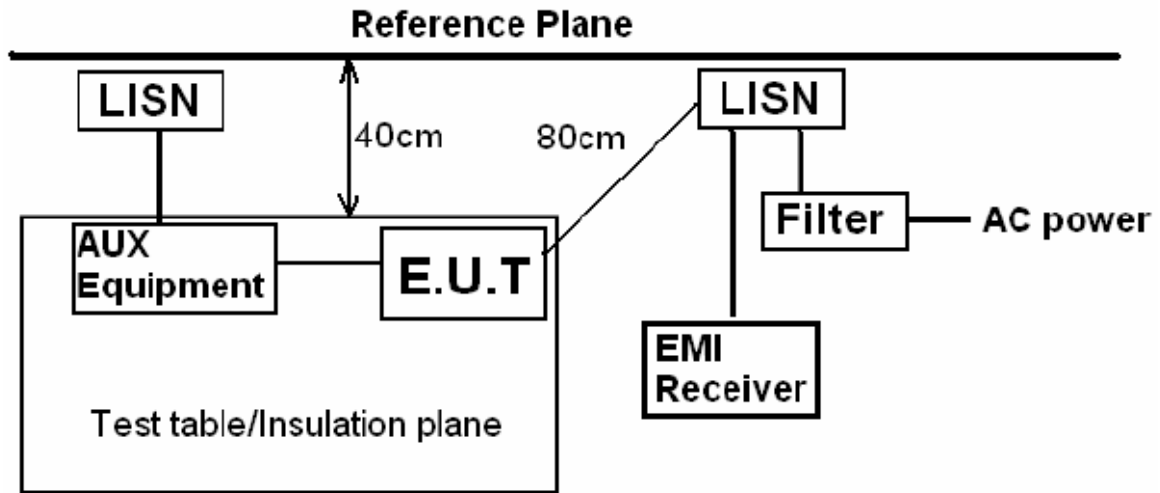
Not available for this EUT intended for grant.

2.3 Description of test modes

The EUT has been tested under operating condition. The Lowest, middle and highest channel were chosen for testing.

3. Conducted Emissions Test

3.1 Test SET-UP (Block Diagram of Configuration)



3.2 Test Condition

Test Requirement: FCC Part 15.207

Frequency Range: 150KHz ~ 30MHz

Detector: RBW 9KHz, VBW 30KHz

Operation Mode: FM Mode

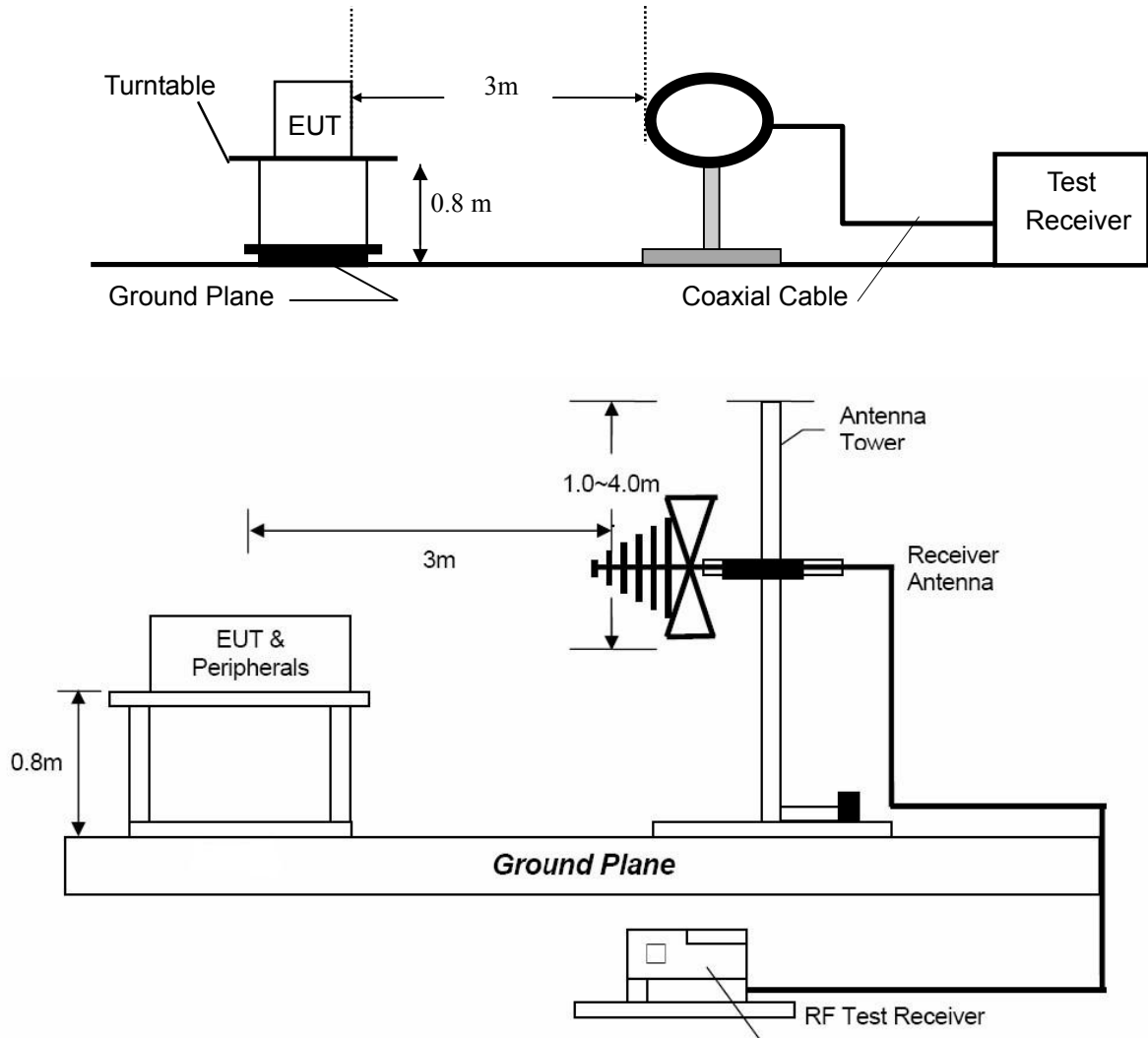
3.3 Measurement Results

N/A

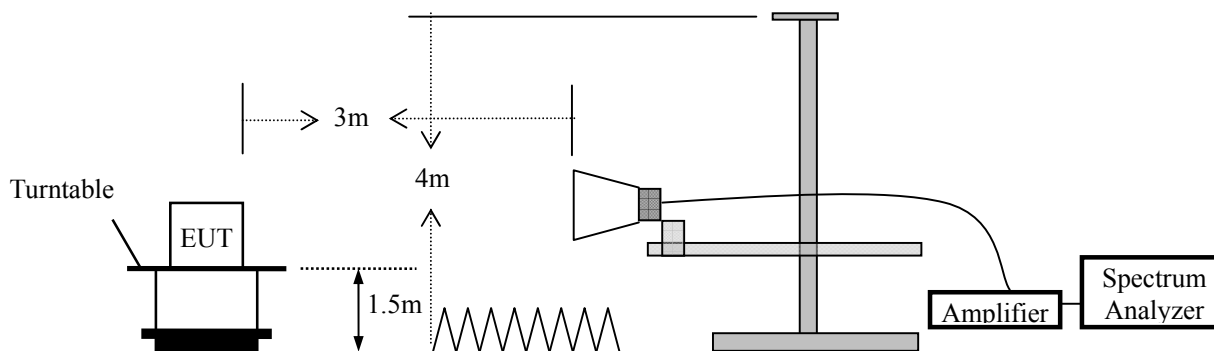
4. Radiated Spurious Emissions and Restricted Bands

4.1 Test SET-UP (Block Diagram of Configuration)

4.1.1 Radiated Emission Test Set-Up, Frequency Below 30MHz



4.1.2 Radiated Emission Test Set-Up, Frequency above 1GHz



4.2 Measurement Procedure

- Blow 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi- anechoic chamber room.
- For the radiated emission test above 1GHz:
The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The height of antenna 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.
- 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. The test-receiver system was set to peak detect function and specified bandwidth with maximum hold mode.
- A Quasi-peak measurement was then made for that frequency point for below 1GHz test. PK and AV for above 1GHz emission test.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

| Frequency Band (MHz) | Level | Resolution Bandwidth | Video Bandwidth |
|----------------------|---------|----------------------|-----------------|
| 30 to 1000 | QP | 120 kHz | 300 kHz |
| Above 1000 | Peak | 1 MHz | 3 MHz |
| | Average | 1 MHz | 10 Hz |

4.3 Limit

(1) Limit for Field strength of the fundamental signal

| Frequency | Limit | |
|-----------|----------------------------|-------------------------|
| | Average Value (dBuv/m @3m) | Peak Value (dBuv/m @3m) |
| 88-108MHz | 47.96 | 67.96 |

Note: FCC part 15.239(b) the field strength of any emissions with the permitted 200KHz band shall not exceed 250microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provision in section 15.35 for limiting peak emissions apply.

(2) Limit for Spurious emission

| Frequency MHz | Limit |
|---------------|-------------------------------|
| | Quasi-peak Value (dBuv/m @3m) |
| 30-88 | 40.0 |
| 88-216 | 43.5 |
| 216-960 | 46.0 |
| 960-1000 | 54.0 |

(3) Limit for band edge

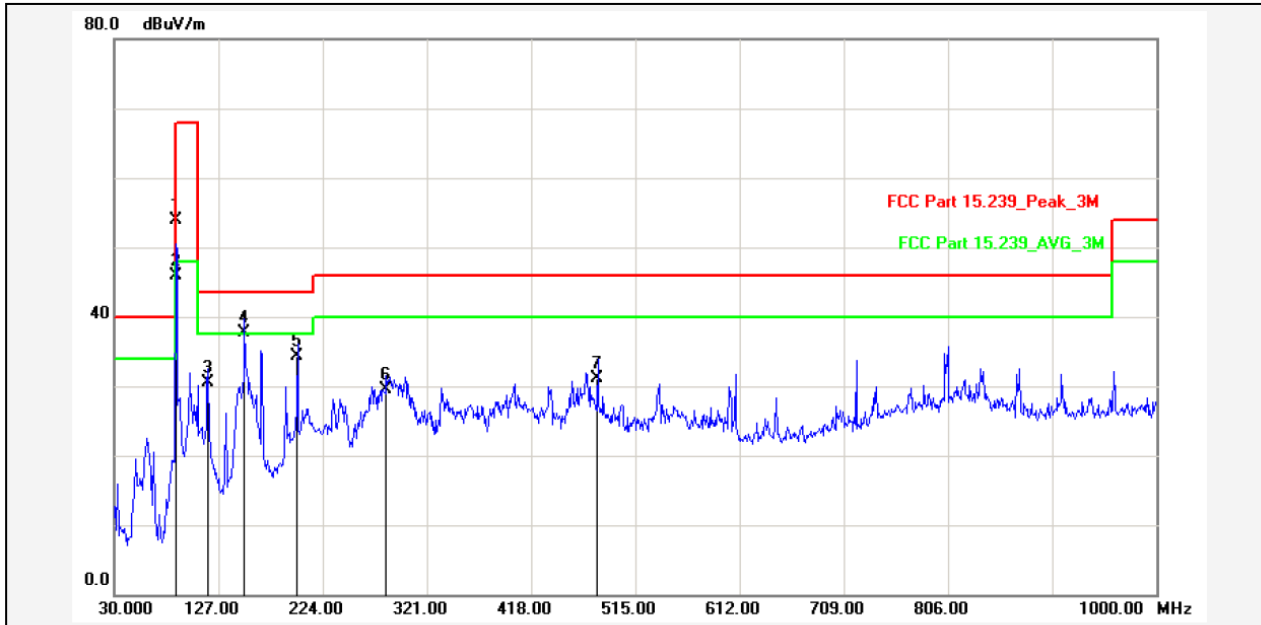
FCC 15.205(3)

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

4.4 Measurement Results

Pass.

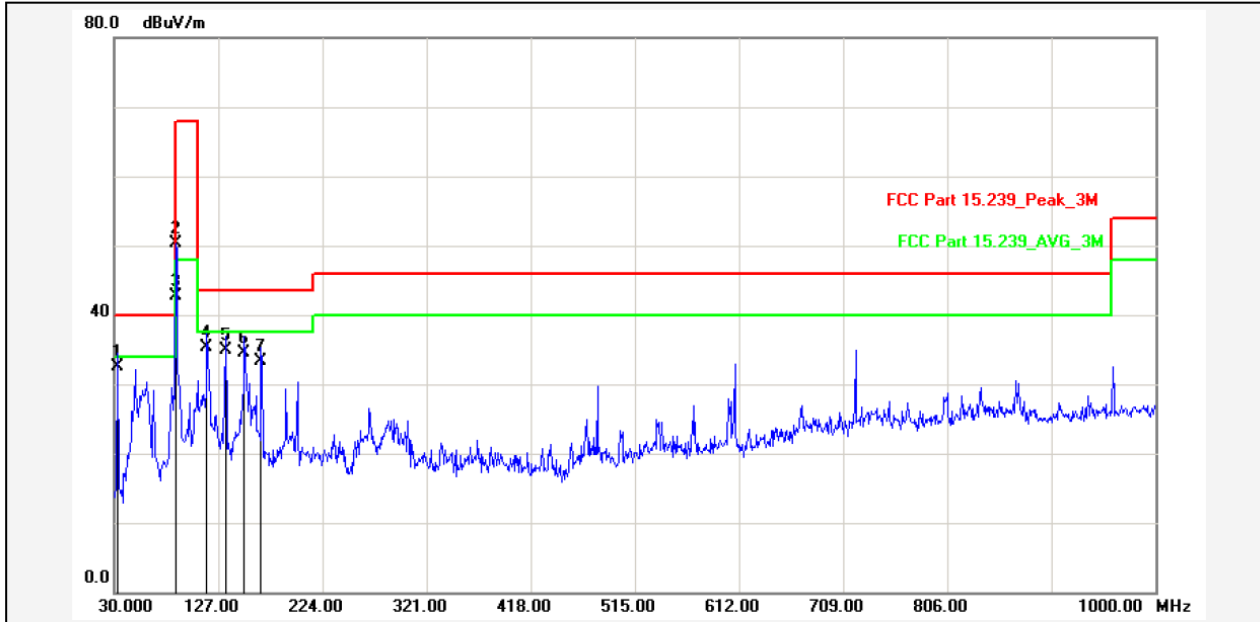
Please refer to following plots for items Spurious Emissions and Field Strength of Fundamental.



| | | | | | |
|-------------|--|--------------------|-------------------------|-------------------|--------------|
| Report No.: | HRD60701 | Test Standard: | FCC Part 15.239_Peak_3M | Test Distance: | 3m |
| Test item: | Radiation Emission | Ant. Polarization: | Horizontal | Temp.(C)/Hum.(%): | 22(C) / 54 % |
| Applicant: | ACTION | Power Rating: | DC 12V | Test Engineer: | Knight |
| Product: | | | | | |
| Model No.: | HRD60701 | | | | |
| Test Mode: | TX | | | | |
| Remark: | 88.1M EUT: 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT | | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 | 88.1000 | -14.40 | 68.35 | 53.95 | 67.96 | -14.01 | peak | | | P | |
| 2 | 88.1000 | -14.40 | 60.22 | 45.82 | 47.96 | -2.14 | AVG | | | P | |
| 3 | 117.2999 | -13.46 | 43.94 | 30.48 | 43.50 | -13.02 | QP | | | P | |
| 4 | 151.2500 | -15.47 | 53.16 | 37.69 | 43.50 | -5.81 | QP | | | P | |
| 5 | 200.7199 | -13.42 | 47.64 | 34.22 | 43.50 | -9.28 | QP | | | P | |
| 6 | 283.1700 | -10.91 | 40.34 | 29.43 | 46.00 | -16.57 | QP | | | P | |
| 7 | 480.0799 | -7.21 | 38.41 | 31.20 | 46.00 | -14.80 | QP | | | P | |

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.



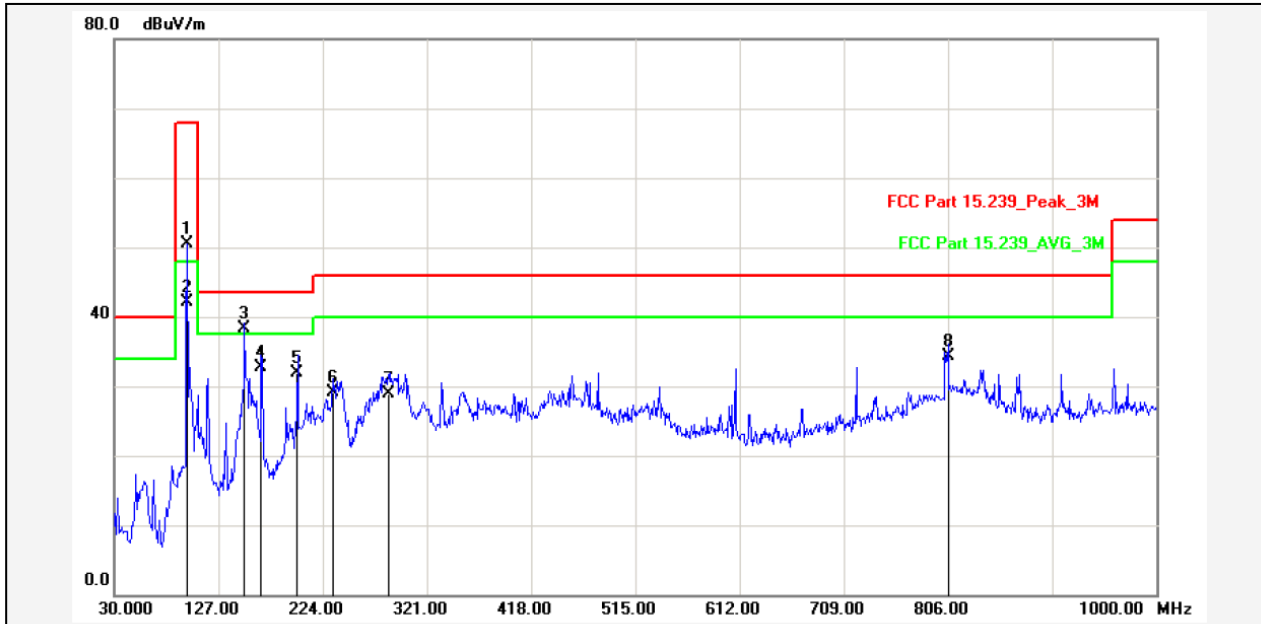
Report No.: HRD60701
 Test Standard: FCC Part 15.239_Peak_3M
 Test item: Radiation Emission
 Applicant: ACTION
 Product:
 Model No.: HRD60701

Test Distance: 3m
 Ant. Polarization: Vertical
 Temp.(C)/Hum.(%): 22(C) / 54 %
 Power Rating: DC 12V
 Test Engineer: Knight

Test Mode: TX
 Remark: 88.1M EUT: 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 | 32.9099 | -15.67 | 48.21 | 32.54 | 40.00 | -7.46 | QP | | | P | |
| 2 | 88.1000 | -17.40 | 67.77 | 50.37 | 67.96 | -17.59 | peak | | | P | |
| 3 | 88.1000 | -17.40 | 60.08 | 42.68 | 47.96 | -5.28 | AVG | | | P | |
| 4 | 116.3299 | -16.25 | 51.47 | 35.22 | 43.50 | -8.28 | QP | | | P | |
| 5 | 133.7899 | -18.32 | 53.13 | 34.81 | 43.50 | -8.69 | QP | | | P | |
| 6 | 151.2500 | -18.47 | 53.07 | 34.60 | 43.50 | -8.90 | QP | | | P | |
| 7 | 166.7700 | -17.92 | 51.27 | 33.35 | 43.50 | -10.15 | QP | | | P | |

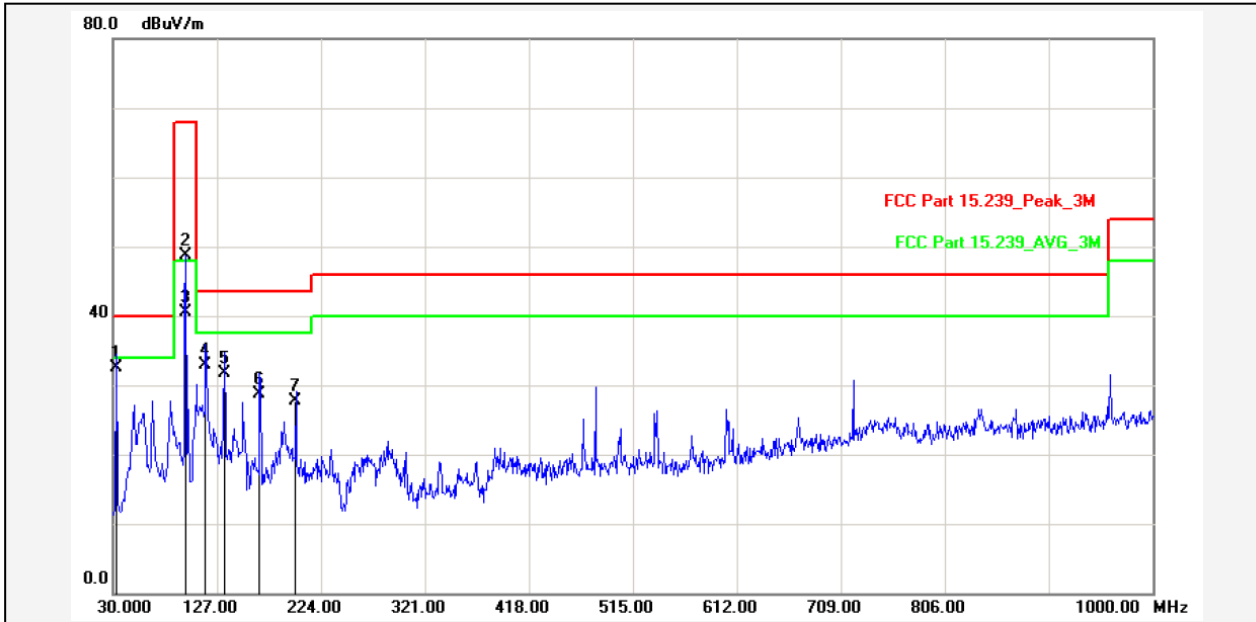
Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.



| | | | | | |
|-------------|--|--------------------|-------------------------|-------------------|--------------|
| Report No.: | HRD60701 | Test Standard: | FCC Part 15.239_Peak_3M | Test Distance: | 3m |
| Test item: | Radiation Emission | Ant. Polarization: | Horizontal | Temp.(C)/Hum.(%): | 22(C) / 54 % |
| Applicant: | ACTION | Power Rating: | DC 12V | Test Engineer: | Knight |
| Product: | | | | | |
| Model No.: | HRD60701 | | | | |
| Test Mode: | TX | | | | |
| Remark: | 97.9M EUT: 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT | | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 | 97.9000 | -12.40 | 62.84 | 50.44 | 67.96 | -17.52 | peak | | | P | |
| 2 | 97.9000 | -12.40 | 54.46 | 42.06 | 47.96 | -5.90 | AVG | | | P | |
| 3 | 151.2500 | -15.47 | 53.70 | 38.23 | 43.50 | -5.27 | QP | | | P | |
| 4 | 166.7700 | -14.92 | 47.56 | 32.64 | 43.50 | -10.86 | QP | | | P | |
| 5 | 200.7199 | -13.42 | 45.37 | 31.95 | 43.50 | -11.55 | QP | | | P | |
| 6 | 233.6999 | -12.30 | 41.48 | 29.18 | 46.00 | -16.82 | QP | | | P | |
| 7 | 286.0799 | -10.85 | 39.84 | 28.99 | 46.00 | -17.01 | QP | | | P | |
| 8 | 806.0000 | -1.85 | 36.07 | 34.22 | 46.00 | -11.78 | QP | | | P | |

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.



| | | | | | |
|-------------|--|--------------------|-------------------------|-------------------|--------------|
| Report No.: | HRD60701 | Test Standard: | FCC Part 15.239_Peak_3M | Test Distance: | 3m |
| Test item: | Radiation Emission | Ant. Polarization: | Vertical | Temp.(C)/Hum.(%): | 22(C) / 54 % |
| Applicant: | ACTION | Power Rating: | DC 12V | Test Engineer: | Knight |
| Product: | | | | | |
| Model No.: | HRD60701 | | | | |
| Test Mode: | TX | | | | |
| Remark: | 97.9M EUT: 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT | | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 | 32.9099 | -15.67 | 48.23 | 32.56 | 40.00 | -7.44 | QP | | | P | |
| 2 | 97.9000 | -15.98 | 64.60 | 48.62 | 67.96 | -19.34 | peak | | | P | |
| 3 | 97.9000 | -15.98 | 56.56 | 40.58 | 47.96 | -7.38 | AVG | | | P | |
| 4 | 116.3299 | -16.25 | 49.18 | 32.93 | 43.50 | -10.57 | QP | | | P | |
| 5 | 133.7899 | -18.32 | 49.97 | 31.65 | 43.50 | -11.85 | QP | | | P | |
| 6 | 166.7700 | -17.92 | 46.69 | 28.77 | 43.50 | -14.73 | QP | | | P | |
| 7 | 200.7198 | -16.42 | 44.04 | 27.62 | 43.50 | -15.88 | QP | | | P | |

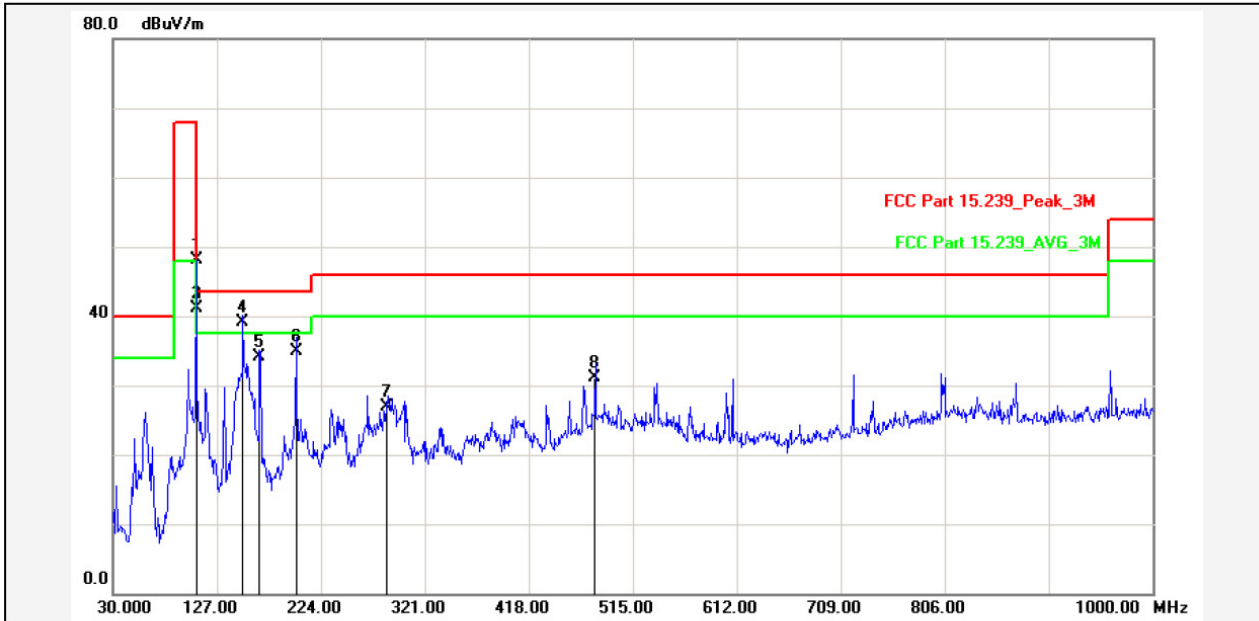
Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.



Dongguan NTC Co., Ltd.
 Tel: +86-769-22022444 Fax: +86-769-22022799
 Web: <http://www.ntc-c.com>

Site: Radiation

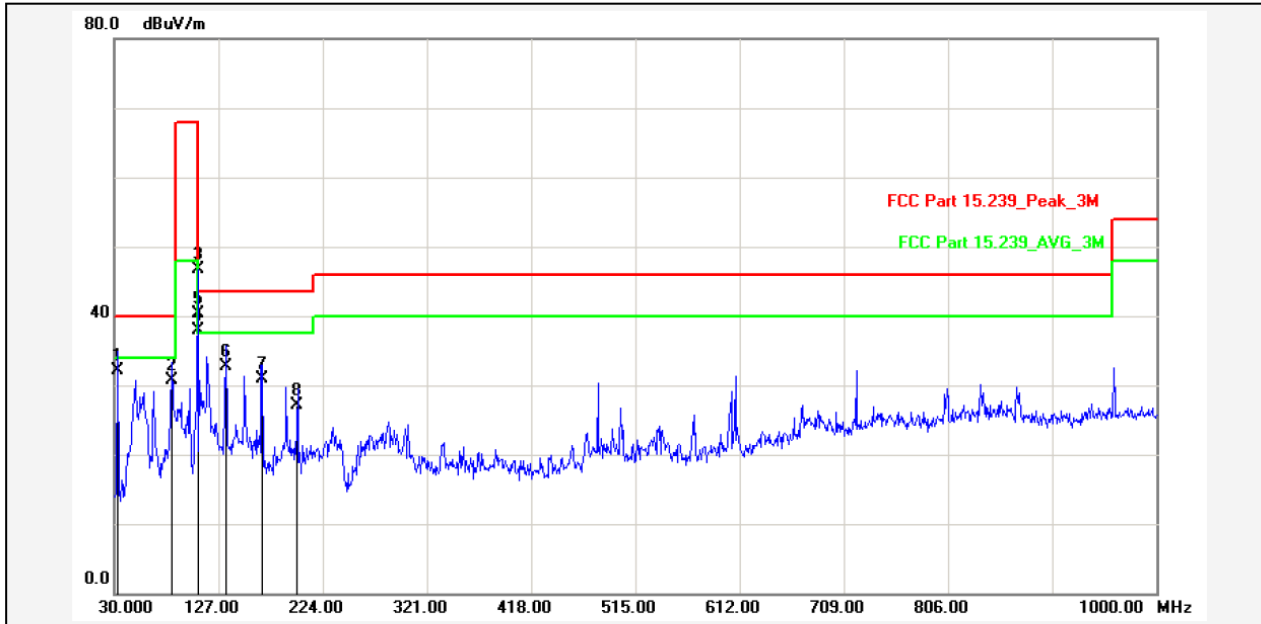
Test Time: 2017-6-30 11:27:51



Report No.: HRD60701
 Test Standard: FCC Part 15.239_Peak_3M
 Test item: Radiation Emission
 Applicant: ACTION
 Product:
 Model No.: HRD60701
 Test Distance: 3m
 Ant. Polarization: Horizontal
 Temp.(C)/Hum.(%): 22(C) / 54 %
 Power Rating: DC 12V
 Test Engineer: Knight
 Test Mode: TX
 Remark: 107.9M EUT: 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 | 107.9000 | -12.08 | 60.10 | 48.02 | 67.96 | -19.94 | peak | | | P | |
| 2 | 107.9000 | -12.08 | 53.18 | 41.10 | 47.96 | -6.86 | AVG | | | P | |
| 3 | 108.0000 | -12.08 | 53.15 | 41.07 | 43.50 | -2.43 | QP | | | P | |
| 4 | 151.2500 | -15.47 | 54.53 | 39.06 | 43.50 | -4.44 | QP | | | P | |
| 5 | 166.7700 | -14.92 | 49.09 | 34.17 | 43.50 | -9.33 | QP | | | P | |
| 6 | 200.7200 | -13.42 | 48.38 | 34.96 | 43.50 | -8.54 | QP | | | P | |
| 7 | 286.0799 | -10.85 | 37.82 | 26.97 | 46.00 | -19.03 | QP | | | P | |
| 8 | 480.0799 | -7.21 | 38.34 | 31.13 | 46.00 | -14.87 | QP | | | P | |

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.



Report No.: HRD60701
 Test Standard: FCC Part 15.239_Peak_3M
 Test item: Radiation Emission
 Applicant: ACTION
 Product:
 Model No.: HRD60701
 Test Distance: 3m
 Ant. Polarization: Vertical
 Temp.(C)/Hum.(%): 22(C) / 54 %
 Power Rating: DC 12V
 Test Engineer: Knight
 Test Mode: TX
 Remark: 107.9M EUT: 7" LCD MONITOR WITH BUILT-IN DVD PLAYER AND HDMI PORT FOR REAR SEAT ENTERTAINMENT

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Azimuth (deg.) | P/F | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|----------|-------------|----------------|-----|--------|
| 1 | 32.9099 | -15.67 | 47.76 | 32.09 | 40.00 | -7.91 | QP | | | P | |
| 2 | 83.3499 | -18.50 | 49.27 | 30.77 | 40.00 | -9.23 | QP | | | P | |
| 3 | 107.9000 | -16.08 | 62.85 | 46.77 | 67.96 | -21.19 | peak | | | P | |
| 4 | 107.9000 | -16.08 | 53.99 | 37.91 | 47.96 | -10.05 | AVG | | | P | |
| 5 | 108.0000 | -16.08 | 56.29 | 40.21 | 43.50 | -3.29 | QP | | | P | |
| 6 | 133.7899 | -18.32 | 50.96 | 32.64 | 43.50 | -10.86 | QP | | | P | |
| 7 | 167.7400 | -17.89 | 48.88 | 30.99 | 43.50 | -12.51 | QP | | | P | |
| 8 | 200.7199 | -16.42 | 43.57 | 27.15 | 43.50 | -16.35 | QP | | | P | |

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

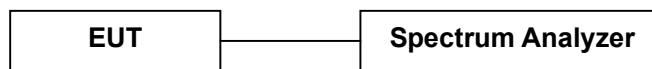
5. Occupied Bandwidth

5.1 Measurement Procedure

FCC Part 15C section 15.239(a) & §2.1049

1. Set the parameters of SPA as below:
Centre frequency = Operation frequency
RBW=3KHz
VBW=10KHz
Span: 300KHz
Sweep time: Auto
2. Set the EUT to continue transmitting mode. Allow the trace to stabilize. Use the “N dB down” function of SPA to define the bandwidth.
3. Record the plots and reported.

5.2 Test SET-UP (Block Diagram of Configuration)

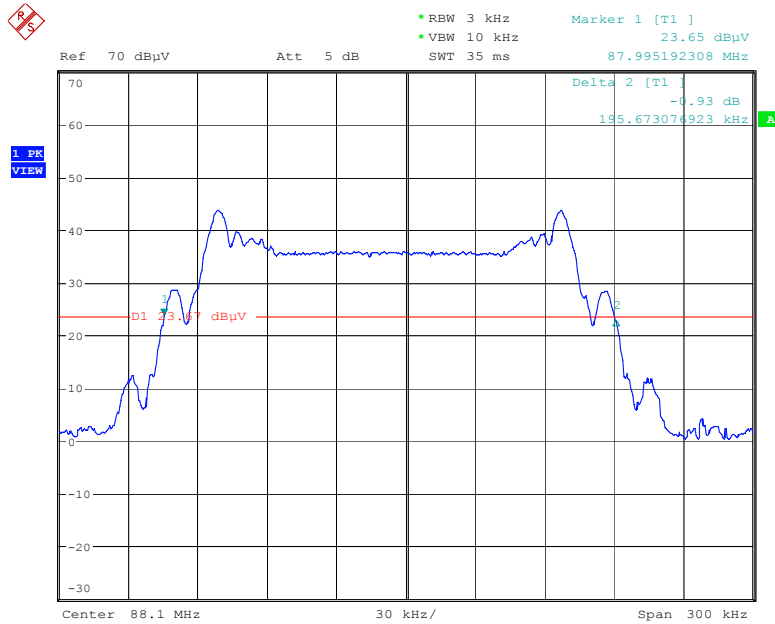


5.3 Measurement Results

Refer to attached data chart.

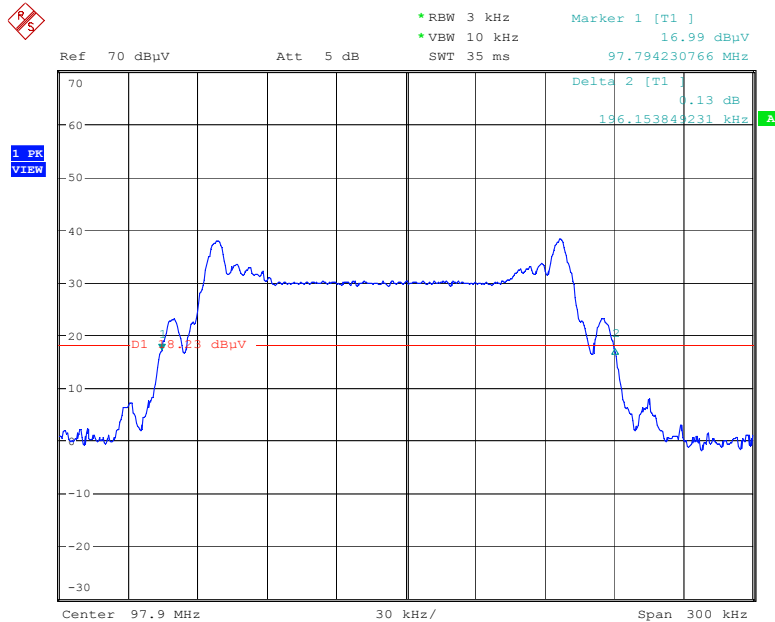
| Channel Frequency(MHz) | 20dB Bandwidth(kHz) | Limit (kHz) | Result |
|------------------------|---------------------|-------------|--------|
| 88.1 | 195.7 | 200 | PASS |
| 97.9 | 196.2 | 200 | PASS |
| 107.9 | 197.6 | 200 | PASS |

Lowest Channel



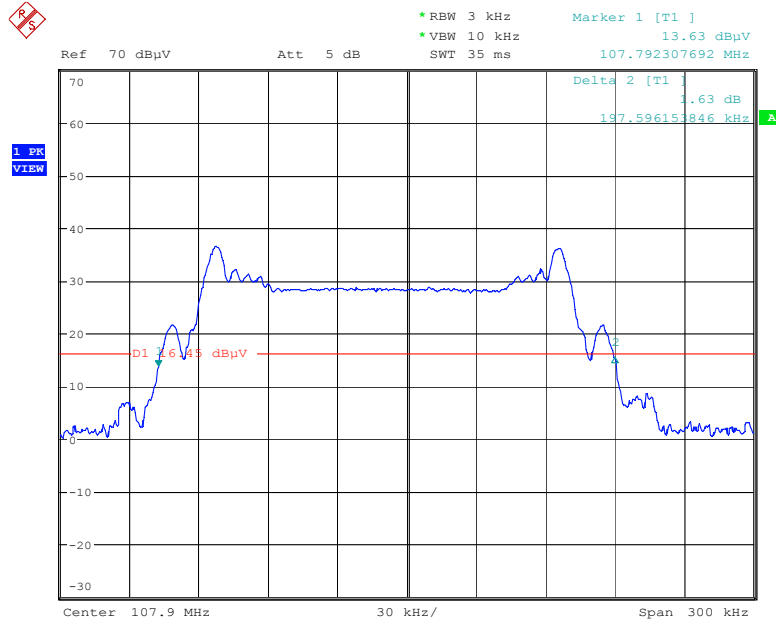
Date: 30.JUN.2017 18:03:06

Middle Channel



Date: 30.JUN.2017 18:05:37

Highest Channel



Date: 30.JUN.2017 18:09:59

6. Antenna Application

6.1 Antenna requirement

According to of FCC part 15C section 15.203 and 15.240:

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.

6.2 Measurement Results

The antenna is integral antenna that no antenna other than that furnished by the responsible party shall be used with the device, and the best case gain of the antenna is 1.0dBi. So, the antenna is consider meet the requirement.

7. Test Equipment List

| Description | Manufacturer | Model Number | Serial Number | Characteristics | Calibration Date | Calibration Due Date |
|-----------------------------|-----------------|--------------|---------------|-----------------|------------------|----------------------|
| Test Receiver | Rohde & Schwarz | ESCI7 | 100837 | 9KHz~7GHz | Nov. 22, 2016 | Nov. 21, 2017 |
| Antenna | Schwarzbeck | VULB9162 | 9162-010 | 30MHz~7GHz | Nov. 25, 2016 | Nov. 24, 2017 |
| Cable | Huber+Suhner | CBL2-NN-1M | 22390001 | 9KHz~7GHz | Nov. 06, 2016 | Nov. 05, 2017 |
| Cable | Huber+Suhner | CIL02 | N/A | 9KHz~7GHz | Nov. 06, 2016 | Nov. 05, 2017 |
| RF Cable | Huber+Suhner | SF-104 | MY16559/4 | 9KHz~25GHz | Mar. 05, 2017 | Mar. 04, 2018 |
| Power Amplifier | HP | HP 8447D | 1145A00203 | 100KHz~1.3GHz | Nov. 06, 2016 | Nov. 05, 2017 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 9170-242 | 15GHz~40GHz | Feb.23, 2017 | Feb.22, 2018 |
| Horn Antenna | Com-Power | AH-118 | 071078 | 1GHz~18GHz | Nov. 04, 2016 | Nov. 03, 2017 |
| RF Cable | Huber+Suhner | SF-106 | N/A | 9KHz~40GHz | April. 06, 2017 | April. 04, 2018 |
| Loop antenna | Daze | ZA30900A | 0708 | 9KHz~30MHz | Oct.09, 2016 | Oct.08, 2017 |
| Spectrum Analyzer | Rohde & Schwarz | FSU26 | 200409/026 | 20Hz~26.5GHz | Aug. 31, 2016 | Aug. 30, 2017 |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101003 | 10Hz~40GHz | April. 06, 2017 | April. 05, 2018 |
| Pre-Amplifier | EMCI | EMC 184045 | 980102 | 18GHz~40GHz | Nov. 04, 2016 | Nov. 03, 2017 |
| Pre-Amplifier | Agilent | 8449B | 3008A02964 | 1GHz~26.5GHz | Nov. 02, 2016 | Nov. 01, 2017 |
| L.I.S.N. | Rohde & Schwarz | ENV 216 | 101317 | 9KHz~30MHz | Nov. 06, 2016 | Nov. 07, 2017 |
| Temporary antenna connector | TESCOM | SS402 | N/A | 9KHz-25GHz | N/A | N/A |
| Power Meter | Anritsu | ML2495A | 1139001 | 100k-65GHz | Nov. 04, 2016 | Nov. 03, 2017 |
| Power Sensor | Anritsu | MA2411B | 100345 | 300M-40GHz | Nov. 04, 2016 | Nov. 03, 2017 |

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

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