

FCC 47 CFR PART 15 SUBPART B TEST REPORT

For

Applicant: Speed Dragon Multimedia Limited

Address: Rm 1312, Vanta Industrial Centre, 21-33 Tai Lin Pai Rd, Kwai

Chung, N.T, Hong Kong

Product Name: PCI-Express I/O Card(4 Serial RS232 Ports Fan-Out Cable)

Model Number: SD-EMT01A, FG-EMT01A-1, FG-EMT01A-2, FG-EMT01A-3

Brand Name: N/A

FCC ID: U3P-SD-EMT01A

Report No.: MTE/DAL/D12101498

Date of Issue: Oct. 16, 2012

Issued by: Most Technology Service Co., Ltd.

Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan,

Shenzhen, Guangdong, China

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Report No.: MTE/DAL/D12101498

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1. VERIFICATION OF CONFORMITY

Equipment Under Test: PCI-Express I/O Card(4 Serial RS232 Ports Fan-Out Cable)

Brand Name: N/A

Model Number: SD-EMT01A

Series Number: FG-EMT01A-1, FG-EMT01A-2, FG-EMT01A-3

FCC ID: U3P-SD-EMT01A

Applicant: Speed Dragon Multimedia Limited

Rm 1312, Vanta Industrial Centre, 21-33 Tai Lin Pai Rd, Kwai Chung, N.T,

Hong Kong

Manufacturer: Speed Dragon Multimedia Limited

Review by (+ signature):

Approved by (+ signature):

Rm 1312, Vanta Industrial Centre, 21-33 Tai Lin Pai Rd, Kwai Chung, N.T,

Hong Kong

Technical Standards: FCC Part 15 B

File Number: MTE/DAL/D12101498

Date of test: Oct. 15. 2012

Deviation: None **Condition of Test Sample:** Normal

The above equipment was tested by MOST for compliance with the requirements set forth in FCC Part 15 and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Tested by (+ signature):

Dona Liu Oct. 15, 2012

FI W 0.1.10.0010

Elva Wong Oct. 16, 2012

Yvetter Zhou(Manager) Oct. 16, 2012

2. GENERAL INFORMATION

2.1 PRODUCT INFORMATION

| Description: | PCI-Express I/O Card(4 Serial RS232 Ports Fan-Out Cable) |
|-------------------------------|--|
| Model Name: | SD-EMT01A |
| Series Number: | FG-EMT01A-1, FG-EMT01A-2, FG-EMT01A-3 |
| Model Difference description: | The series models are different in model name with the same functions. |
| Sort of interface board: | PCI Express |
| Antenna Type: | |
| Antenna Gain: | |
| Power Supply: | DC 3.3V by PC System |
| Temperature Range: | -20°C ~ +50°C |

NOTE:

1. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 OBJECTIVE

Perform FCC Part 15 Subpart B tests for FCC Marking.

2.3 TEST STANDARDS AND RESULTS

Test items and the results are as bellow:

| EMISSION | | | | | | |
|---------------------------------|-----------|--------|--------------------|--|--|--|
| Standard | Item | Result | Remarks | | | |
| FCC 47 CFR Part 15 Subpart B | Conducted | PASS | Meet Class B limit | | | |
| 1 00 47 OF ICE art 10 Subpart B | Radiated | PASS | Meet Class B limit | | | |

Note: 1. The test result judgment is decided by the limit of measurement standard

2. The information of measurement uncertainty is available upon the customer's request.

2.4 ENVIRONMENTAL CONDITIONS

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

- Temperature: 15-35°C - Humidity: 30-60 %

- Atmospheric pressure: 86-106 kPa

2.5 MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

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

- Uncertainty of Conducted Emission, Uc = ±1.8dB
- Uncertainty of Radiated Emission, Uc = ±3.2dB

3. TEST METHODOLOGY

3. 1TEST FACILITY

Test Site: Most Technology Service Co., Ltd.

Location: No.5, Langshan 2nd Rd, North Hi-Tech Industrial park, Nanshan, Shenzhen,

Guangdong, China

Description: There is one 3m semi-anechoic an area test sites and two line conducted labs for final

test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009 and CISPR

16 requirements. The FCC Registration Number is 490827.

The CNAS Registration Number is CNAS L3573.

Site Filing: The site description is on file with the Federal Communications

Commission, 7435 Oakland Mills Road, Columbia, MD 21046.

Instrument Tolerance: All measuring equipment is in accord with ANSI C63.4:2009 and CISPR 16

requirements that meet industry regulatory agency and accreditation agency

requirement.

Ground Plane: Two conductive reference ground planes were used during the Line Conducted

Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna. It has no holes or gaps having longitudinal

dimensions larger than one-tenth of a wavelength at the highest frequency of

measurement up to 1GHz.

3.2 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4:2009, Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4:2009.

3.3 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|--|---|--|--|
| 0.090 - 0.110 10.495 - 0.505 2.1735 - 2.1905 4.125 - 4.128 4.17725 - 4.17775 4.20725 - 4.20775 6.215 - 6.218 6.26775 - 6.26825 6.31175 - 6.31225 8.291 - 8.294 8.362 - 8.366 8.37625 - 8.38675 8.41425 - 8.41475 12.29 - 12.293 12.51975 - 12.52025 | 16.42 - 16.423 16.69475 - 16.69525 16.80425 - 16.80475 25.5 - 25.67 37.5 - 38.25 73 - 74.6 74.8 - 75.2 108 - 121.94 123 - 138 149.9 - 150.05 156.52475 - 156.52525 156.7 - 156.9 162.0125 - 167.17 167.72 - 173.2 240 - 285 | 399.9 - 410 608 - 614 960 - 1240 1300 - 1427 1435 - 1626.5 1645.5 - 1646.5 1660 - 1710 1718.8 - 1722.2 2200 - 2300 2310 - 2390 2483.5 - 2500 2655 - 2900 3260 - 3267 3332 - 3339 3345.8 - 3358 | 4.5 - 5.15 5.35 - 5.46 7.25 - 7.75 8.025 - 8.5 9.0 - 9.2 9.3 - 9.5 10.6 - 12.7 13.25 - 13.4 14.47 - 14.5 15.35 - 16.2 17.7 - 21.4 22.01 - 23.12 23.6 - 24.0 31.2 - 31.8 36.43 - 36.5 |
| 12.57675 - 12.57725 13.36 - 13.41 | 322 - 335.4 | 3600 - 4400 | (*) |

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

² Above 38.6

4 SETUP OF EQUIPMENT UNDER TEST 4.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

4.2 SUPPORT EQUIPMENT

| Device Type | Manufacturer | Model Name | Serial No. | Data Cable | Power Cable |
|-------------|--------------|-------------|-------------------|---------------------|----------------------|
| Monitor | Philips | 220EW8FB/93 | CJ2A0727038455 | 1.6m Un-shielded | 1.8m Un-shielded |
| PC | DELL | 780MT | 43ND8A00DC2 | | 1.2M Un-shielding |
| Mouse | Lenovo | M-UAE96 | E-C011-05-3735(B) | | 6M nielded |
| Keyboard | HP | SK-2880 | BC34C0CJ6UZ888 | 1.5M Un-Shielded | |

Remark:

All the equipment/cables were placed in the worst-case [-configuration to maximize the emission during the test.

Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4. 3 TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at MOST for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

| No. | Equipment | Manufacturer | Model No. | S/N | Calibration due date |
|-----|---|-------------------|-------------------|-------------|----------------------|
| 1 | Test Receiver | Rohde & Schwarz | ESCI | 100492 | 2013/03/14 |
| 2 | L.I.S.N. | Rohde & Schwarz | ENV216 | 100093 | 2013/03/14 |
| 3 | Coaxial Switch | Anritsu Corp | MP59B | 6200283933 | 2013/03/14 |
| 4 | Terminator | Hubersuhner | 50_ | No.1 | 2013/03/14 |
| 5 | RF Cable | SchwarzBeck | N/A | No.1 | 2013/03/14 |
| 6 | Test Receiver | Rohde & Schwarz | ESPI | 101202 | 2013/03/14 |
| 7 | Bilog Antenna | Sunol | JB3 | A121206 | 2013/03/14 |
| 8 | Test Antenna - Horn | Schwarzbeck | BBHA 9120C | | 2013/03/14 |
| 9 | Test Antenna - Bi-Log | Schwarzbeck | VULB 9163 | | 2013/03/14 |
| 10 | Cable | Resenberger | N/A | NO.1 | 2013/03/14 |
| 11 | Cable | SchwarzBeck | N/A | NO.2 | 2013/03/14 |
| 12 | Cable | SchwarzBeck | N/A | NO.3 | 2013/03/14 |
| 13 | DC Power Filter | DuoJi | DL2×30B | N/A | 2013/03/14 |
| 14 | Single Phase Power Line Filter | DuoJi | FNF 202B30 | N/A | 2013/03/14 |
| 15 | 3 Phase Power Line Filter | DuoJi | FNF 402B30 | N/A | 2013/03/14 |
| 16 | Test Receiver | Rohde & Schwarz | ESCI | 100492 | 2013/03/14 |
| 17 | Absorbing Clamp | Luthi | MDS21 | 3635 | 2013/03/14 |
| 18 | Coaxial Switch | Anritsu Corp | MP59B | 6200283933 | 2013/03/14 |
| 19 | AC Power Source | Kikusui | AC40MA | LM003232 | 2013/03/14 |
| 20 | Test Analyzer | Kikusui | KHA1000 | LM003720 | 2013/03/14 |
| 21 | Line Impendence Network | Kikusui | LIN40MA- PCR-L | LM002352 | 2013/03/14 |
| 22 | ESD Tester | Kikusui | KES4021 | LM003537 | 2013/03/14 |
| 23 | EMCPRO System | EM Test | UCS-500-M4 | V0648102026 | 2013/03/14 |
| 24 | Signal Generator | IFR | 2032 | 203002/100 | 2013/03/14 |
| 25 | Amplifier | A&R | 150W1000 | 301584 | 2013/03/14 |
| 26 | CDN | FCC | FCC-801-M2-25 | 47 | 2013/03/14 |
| 27 | CDN | FCC | FCC-801-M3-25 | 107 | 2013/03/14 |
| 28 | EM Injection Clamp | FCC | F-203I-23mm | 403 | 2013/03/14 |
| 29 | RF Cable | MIYAZAKI | N/A | No.1/No.2 | 2013/03/14 |
| 30 | Universal Radio Communication Tester | ROHDE&SCHWARZ | CMU200 | 0304789 | 2013/03/14 |
| 31 | Telecommunication Antenna | European Antennas | PSA 75301R/170 | 0304213 | 2013/03/14 |

NOTE: Equipments listed above have been calibrated and are in the period of validation.

5. 47 CFR PART 15B REQUIREMENTS

5.1 GENERAL INFORMATION

The EUT has been tested under normal operating (TX) and standby (RX) condition.

The field strength of radiation emission was measured in the following position: EUT stand-up position (Y axis), lie-down position (X, Z axis).

The following data show only with the worst case setup.

The worst case of Y axis was reported.

Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report.

EUT Test Procedure:

- 1. Put EUT on the test table.
- 2. Power on the EUT.
- 3. Make sure the EUT operates normally during the test.

Mode 1: Running

During the test, the EUT was playing the Running function continuously.

The EUT configuration of the emission test was Monitor+EUT+ PC.

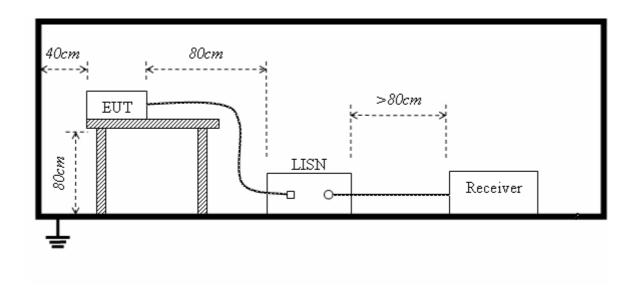
6. LINE CONDUCTED EMISSION TEST

6.1. LIMITS OF LINE CONDUCTED EMISSION TEST

| Fraguency | Maximum RF Line Voltage | | | | | |
|---------------|-------------------------|----------------|--|--|--|--|
| Frequency | Q.P.(dBuV) | Average(dBuV) | | | | |
| 150kHz-500kHz | 66-56 | 56-46 | | | | |
| 500kHz-5MHz | 56 | 46 | | | | |
| 5MHz-30MHz | 60 | 50 | | | | |

^{**}Note: 1. the lower limit shall apply at the transition frequency.

6.2. BLOCK DIAGRAM OF TEST SETUP



^{2.} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

6.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per FCC Part 15 (see Test Facility for the dimensions of the ground plane used). When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, was placed as per FCC Part 15.
- 3) All I/O cables were positioned to simulate typical actual usage as per FCC Part 15.
- 4) The EUT through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5) All support equipments received power from a second LISN supplying power of AC 120V/60Hz, if any.
- 6) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.
- 9) The following test mode(s) were scanned during the preliminary test:

| Preliminary Conducted Emission Test | | | | | | | | |
|-------------------------------------|-------------|-------------------|--------------------|------------|--|--|--|--|
| Frequency Range I | nvestigated | 150KHz TO 30 MHz | | | | | | |
| Mode of operation | Date | Report No. | Data# | Worst Mode | | | | |
| Running | 2012-10-15 | MTE/DAL/D12101498 | SD-EMT01A_1_(L, N) | | | | | |

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

6.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

EUT and support equipment was set up on the test bench as per step 9 of the preliminary test. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –20dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

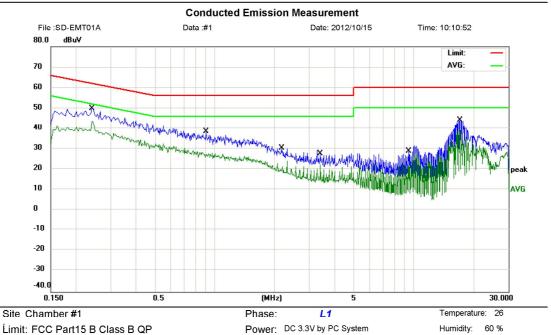
The test modes were carried out for all operation modes, The worst data was shown as the follow.

6.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Limit: FCC Part15 B Class B QP

EUT: PCI-Express I/O Card(4 Serial RS232 Ports Fan-Out Cable)

Note:

M/N: SD-EMT01A Mode: Running

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | * | 0.2420 | 38.26 | 11.72 | 49.98 | 62.02 | -12.04 | QP | |
| 2 | | 0.9060 | 28.41 | 10.00 | 38.41 | 56.00 | -17.59 | QP | |
| 3 | | 2.1700 | 21.08 | 9.17 | 30.25 | 56.00 | -25.75 | QP | |
| 4 | | 3.4100 | 17.25 | 10.41 | 27.66 | 56.00 | -28.34 | QP | |
| 5 | | 9.4980 | 19.51 | 9.30 | 28.81 | 60.00 | -31.19 | QP | |
| 6 | | 17.1780 | 35.17 | 9.00 | 44.17 | 60.00 | -15.83 | QP | |

*:Maximum data x:Over limit !:over margin

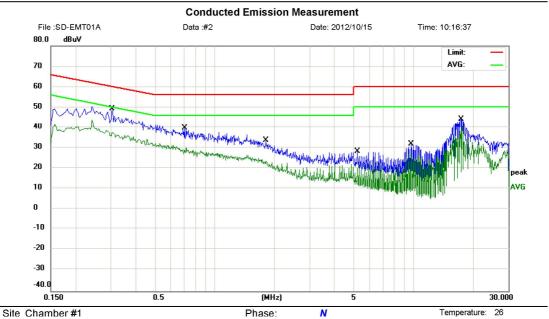
Engineer Signature:

Allen



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Limit: FCC Part15 B Class B QP

EUT: PCI-Express I/O Card(4 Serial RS232 Ports Fan-Out Cable)

Power: DC 3.3V by PC System

Humidity: 60 %

M/N: SD-EMT01A

Mode: Running

Note:

| No. MI | k. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|--------|----------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 * | 0.3060 | 38.07 | 11.29 | 49.36 | 60.08 | -10.72 | QP | |
| 2 | 0.7060 | 29.61 | 10.00 | 39.61 | 56.00 | -16.39 | QP | |
| 3 | 1.8180 | 24.58 | 9.18 | 33.76 | 56.00 | -22.24 | QP | |
| 4 | 5.2220 | 16.40 | 11.87 | 28.27 | 60.00 | -31.73 | QP | |
| 5 | 9.7220 | 22.53 | 9.17 | 31.70 | 60.00 | -28.30 | QP | |
| 6 | 17.3779 | 35.05 | 9.00 | 44.05 | 60.00 | -15.95 | QP | |
| | | | | | | | | |

Engineer Signature: Allen

^{*:}Maximum data x:Over limit !:over margin

7. RADIATED EMISSION TEST

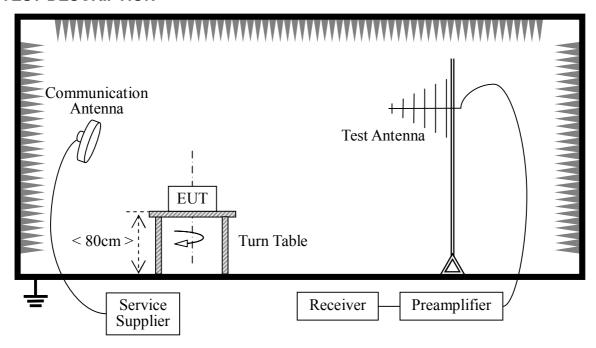
7.1. LIMITS OF RADIATED DISTURBANCES AT 3M DISTANCES FOR CLASS B

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (µV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 - 1.705 | 24000/F(kHz) | 30 |
| 1.705 - 30.0 | 30 | 30 |
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| Above 960 | 500 | 3 |

As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

7.2 TEST DESCRIPTION



- (1) The EUT was palced on a turntable with 0.8 meter above ground.
- (2) The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- (3) The table was rotated 360 degrees to determine the position of the highest radiation.
- (4) The antenna is a Bi-Log antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- (5) For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1m to 4m) and turntable(from 0 degree to 360 degrees) to find the maximum reading.
- (6) Set the test-receiver system to Peak Detect Function and specified bandwidth with maximum hold mode.
- (7) If the emission level of the EUT in peak mode was 3Db lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
- (8) Emission level(dBuV/m)=20 log Emission level(uv/m).
- (9) Corrected reading: Antenna Factor + cable loss + read level Preamp Factor = level

7.3 TEST RESULT

| Preliminary Radiated Emission Test | | | | | | | | |
|---|-----------------------------------|-------------------|--------------------|---------------|--|--|--|--|
| Frequency Range Investigated 30 MHz TO 1000 MHz | | | | | | | | |
| Mode of operation | Mode of operation Date Report No. | | Data# | Worst Mode | | | | |
| Running | 2012-10-15 | MTE/DAL/D12101498 | SD-EMT01A_1_(L, N) | \boxtimes | | | | |

Note:

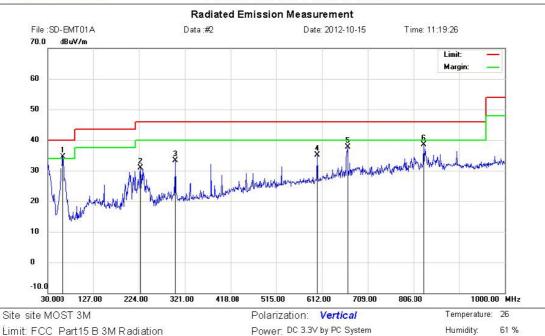
The test modes were carried out for all operation modes, The worst data was shown as the follow.

Below 1GHz



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Élimit: FCC Part15 B 3M Radiation Power: DC 3.3 EUT: PCI-Express VO Card(4 Serial RS232 Ports Fan-Out Cable)

Distance:

M/N: SD-EMT01A Mode: Running

Note:

| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBu∨ | dB | dBu∀/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | * | 62.9800 | 25.47 | 9.10 | 34.57 | 40.00 | -5.43 | QР | | | |
| 2 | | 226.9100 | 17.38 | 13.44 | 30.82 | 46.00 | -15.18 | QP | | | |
| 3 | | 300.6300 | 17.00 | 16.32 | 33.32 | 46.00 | -12.68 | QP | | | |
| 4 | | 602.3000 | 12.00 | 23.09 | 35.09 | 46.00 | -10.91 | QΡ | | | |
| 5 | | 666.3200 | 13.42 | 24.35 | 37.77 | 46.00 | -8.23 | QΡ | | | |
| 6 | | 828.3099 | 11.51 | 26.93 | 38.44 | 46.00 | -7.56 | QP | | | |

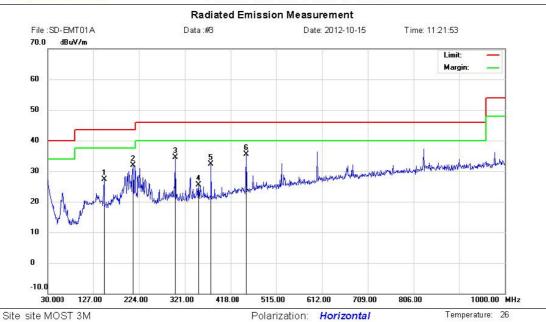
Engineer Signature:

^{*:}Maximum data x:Over limit !:over margin



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Limit: FCC Part 15 B 3M Radiation

Power: DC 3.3V by PC System

EUT: PCI-Express I/O Card(4 Serial RS232 Ports Fan-Out Cable)

Distance:

Humidity:

61 %

M/N: SD-EMT01A Mode: Running

Note:

| No. | Mk | k. Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBu∨ | dB | dBu∀/m | dBuV/m | dB | Detector | cm | degree | Comment |
| 1 | | 150.2800 | 12.88 | 14.49 | 27.37 | 43.50 | -16.13 | QΡ | | | |
| 2 | | 211.3900 | 18.91 | 12.96 | 31.87 | 43.50 | -11.63 | QΡ | | | |
| 3 | | 300.6300 | 18.19 | 16.32 | 34.51 | 46.00 | -11.49 | QΡ | | | |
| 4 | | 350.1000 | 7.63 | 17.81 | 25.44 | 46.00 | -20.56 | QP | | | |
| 5 | | 376.2900 | 14.04 | 18.21 | 32.25 | 46.00 | -13.75 | QΡ | | | |
| 6 | * | 451.9500 | 15.31 | 20.12 | 35.43 | 46.00 | -10.57 | QP | | | |

Engineer Signature:

^{*:}Maximum data x:Over limit !:over margin

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

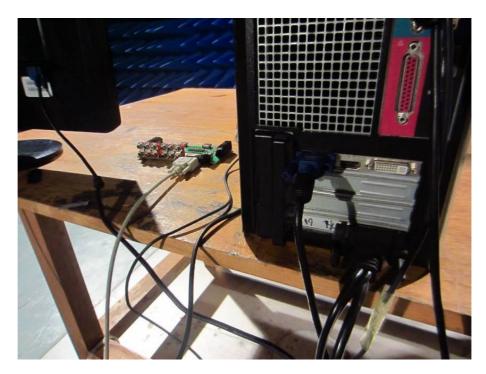
CE TEST SETUP





RE TEST SETUP





-----END OF REPORT-----