FCC RADIO TEST REPORT

according to

47 CFR FCC Part 15 Subpart C § 15.247

Equipment : SpectraGuard Sensor

Model No. : SS-300-AT Brand Name : Airtight

Filing Type : New Application

Applicant : AirTight Networks, Inc.

339 N. Bernardo Avenue, Suite #200 Mountain View, CA

94043

FCC ID : TOR-SS300AT

Manufacturer : DONG GUAN G-COM COMPUTER CO., LTD

1st Row Yin Shan Rd., Yin Hwu Industrial Area, Qingxi

Town, DongGuan City, Guang Dong, China

Received Date: May 01, 2008 Final Test Date: Jun. 01, 2008

Statement

Test result included is only for the 802.11b/g and 802.11a ($5725 \sim 5850MHz$) and Monopole Antenna (3CWE590) of the product.

The test result in this report refers exclusively to the presented test model / sample.

Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.4-2003 and 47 CFR FCC Part 15 Subpart C.

The test equipment used to perform the test is calibrated and traceable to NML/ROC.



SPORTON International Inc.

6F, No. 106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

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FCC ID : TOR-SS300AT

History of This Test Report

Original Issue Date: Oct. 13, 2008
Report No.: FR843032-05AB

No additional attachment.

□ Additional attachment were issued as following record:

| Attachment No. | Issue Date | Description |
|----------------|------------|-------------|
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CERTIFICATE OF COMPLIANCE

according to

47 CFR FCC Part 15 Subpart C § 15.247

Equipment : SpectraGuard Sensor

Model No. : SS-300-AT

Brand Name: Airtight

Applicant : AirTight Networks, Inc.

339 N. Bernardo Avenue, Suite #200

Mountain View, CA 94043

Sporton International as requested by the applicant to evaluate the EMC performance of the product sample received on May 01, 2008 would like to declare that the tested sample has been evaluated and found to be in compliance with the tested rule parts. The data recorded as well as the test configuration specified is true and accurate for showing the sample's EMC nature.

Wayne Hsu

ne 2 to 1410,08

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1 SUMMARY OF THE TEST RESULT

| | Applied Standard: 47 CFR FCC Part 15 Subpart C | | | | | | |
|------|--|-----------------------------------|----------|-------------|--|--|--|
| Part | Rule Section | Description of Test | Result | Under Limit | | | |
| 3.1 | 15.207 | AC Power Line Conducted Emissions | Complies | 8.22 dB | | | |
| 3.2 | 15.247(b)(3) | Maximum Conducted Output Power | Complies | 9.56 dB | | | |
| 3.3 | 15.247(e) | Power Spectral Density | Complies | 7.78 dB | | | |
| 3.4 | 15.247(a)(2) | 6dB Spectrum Bandwidth | Complies | - | | | |
| 3.5 | 15.247(d) | Radiated Emissions | Complies | 2.85 dB | | | |
| 3.6 | 15.247(d) | Band Edge Emissions | Complies | 1.04 dB | | | |
| 3.7 | 15.203 | Antenna Requirements | Complies | - | | | |

| Test Items | Uncertainty | Remark |
|---|-----------------------|--------------------------|
| AC Power Line Conducted Emissions | ±2.3dB | Confidence levels of 95% |
| Maximum Peak Conducted Output Power | ±0.8dB | Confidence levels of 95% |
| Power Spectral Density | ±0.5dB | Confidence levels of 95% |
| 6dB Spectrum Bandwidth | ±8.5×10 ⁻⁸ | Confidence levels of 95% |
| Radiated Emissions (9kHz~30MHz) | ±0.8dB | Confidence levels of 95% |
| Radiated Emissions (30MHz~1000MHz) | ±1.9dB | Confidence levels of 95% |
| Radiated / Band Edge Emissions (1GHz~18GHz) | ±1.9dB | Confidence levels of 95% |
| Radiated Emissions (18GHz~40GHz) | ±1.9dB | Confidence levels of 95% |
| Temperature | ±0.7°C | Confidence levels of 95% |
| Humidity | ±3.2% | Confidence levels of 95% |
| DC / AC Power Source | ±1.4% | Confidence levels of 95% |

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2 GENERAL INFORMATION

2.1 Product Details

Only the radio detail of IEEE 802.11a/b/g of Monopole Antenna (3CWE590) is shown in the table below. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

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| Items | Description | | |
|--------------------------|--|--|--|
| Modulation | DSSS for IEEE 802.11b; OFDM for IEEE 802.11a/g | | |
| Data Modulation | DSSS (BPSK / QPSK / CCK); OFDM (BPSK / QPSK / 16QAM / 64QAM) | | |
| Data Rate (Mbps) | DSSS (1/ 2/ 5.5/11); OFDM (6/9/12/18/24/36/48/54/108) | | |
| Frequency Range | 2400 ~ 2483.5MHz / 5725 ~ 5850MHz | | |
| Channel Number | 11a: 5 ; 11b/g: 11 | | |
| Channel Band Width (99%) | 11a: 16.44 MHz ; 11b: 15.12 MHz ; 11g: 16.60 MHz | | |
| Conducted Output Power | 11a: 13.25 dBm; 11b: 20.44 dBm; 11g: 18.92 dBm | | |

2.2 Accessories

| Power | Brand | Model | Rating |
|-------------------|-------|----------------------|-------------------------------|
| Switching Adapter | DVE | DSA-15P-12 US 120150 | INPUT: 100-240V~ 50/60Hz 0.7A |
| | | | OUTPUT: 12V 1.25A |
| Switching Adapter | DVE | DSA-20D-12 2 120150 | INPUT: 100-240V~ 50/60Hz 0.7A |
| | | | OUTPUT: 12V 1.25A |

2.3 Table for Filed Antenna

Antenna & Bandwidth

| Antenna Mode | Single | Single Chain | | Chain |
|------------------------|--------|--------------|--------|--------|
| Bandwidth Mode | 20 MHz | 40 MHz | 20 MHz | 40 MHz |
| 802.11b | V | X | X | X |
| 802.11g | V | X | X | X |
| 802.11n(2.4GHz) | V | V | V | V |
| 802.11a (5150~5250MHz) | V | X | X | X |
| 802.11a (5725~5850MHz) | V | X | X | X |
| 802.11n (5150~5250MHz) | V | V | V | V |
| 802.11n (5725~5850MHz) | V | V | V | V |

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| Ant. | Antenna Type | Model Name | Product description | 2.4/5 GHz Gain (dBi) | Tx/Rx mode | REMARK |
|------|------------------|------------------|---|-------------------------|--------------------------|--------------------|
| 1 | Omni Ant. | 3CWE591 | 3Com® 6/8dBi Dual-Band Omni Antenna | 6/8 | 1T1R/ 1T1R concurrent | Main Ant. for test |
| 2 | Omni Ant. | S24513BPX | CUSHCRAFT 2.4~2.5& 4.9~5.9 GHz DUAL BAND OMNI ANTENNA | 6/6.5 | 1T1R/ 1T1R concurrent | - |
| 3 | Omni Ant. | SS-200-AT-AN-30 | Airtight 2.4~2.5& 4.9~5.9 GHz Dual-band Omnidirectional Indoor/outdoor antenna | 6/6.5 | 1T1R/ 1T1R concurrent | - |
| 4 | Omni Ant. | TGX-102XNXXX | Joymax Base Station Antenna | 6/6 | 1T1R/ 1T1R concurrent | - |
| 5 | Panel Ant. | 3CWE596 | 3Com® 18/20dBi Dual-Band Panel Antenna | 18/20 | 2T2R/ 2T2R concurrent | Main Ant. for test |
| 6 | Panel Ant. | 3CWE598 | 3Com® 8/10dBi Dual-Band Panel Antenna | 8/10 | 2T2R/ 2T2R concurrent | - |
| 7 | Panel Ant. | SL24513P12SMF | CUSHCRAFT Tri-mode, dual band 802.11b/a/g ceiling mounted Omnidirectional panel antenna | 3/3 | 2T2R/ 2T2R concurrent | - |
| 8 | Panel Ant. | SS-200-AT-AN-10 | Airtight dual band 802.11b/a/g Omnidirectional Indoor panel antenna | 3/3 | 2T2R/ 2T2R concurrent | - |
| 9 | Monopole Ant. | 3CWE590 | 3Com 2dBi Dual-Band Omni Antenna Kit | 2/2 | 2T3R | Main Ant. for test |
| 10 | PCB Ant. | TFF-A015MPAX-361 | Integrated PCB Antenna | 3/3 | 2T3R | Main Ant. for test |

^{*} There are four types of antenna in this project. Antenna 1, 5, 9,10 are the main antenna for test, according to the standard, the same type antenna with the highest gain could choose to test.

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^{*}For 3CWE591, the "1T1R concurrent" mode means it can transmit 2.4 GHz signal through one antenna and 5GHz signal through another antenna at the same time.

^{*}For 3CWE596, the "2T2R concurrent" mode means it can transmit 2.4 GHz signal through 2 antennas and 5GHz signal through other 2 antennas at the same time.

| Antenna Cable Model Name | Product description | 2.4/5 GHz Cable Loss (dB) |
|-----------------------------|--|---------------------------|
| 3CWE580 | 3Com® Ultra Low Loss 6-Foot Antenna Cable | -0.6/-1.2 |
| 3CWE581 | 3Com® Ultra Low Loss 20-Foot Antenna Cable | -2/-4 |
| 3CWE582 | 3Com® Ultra Low Loss 50-Foot Antenna Cable | -5/-10 |

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Monopole Antenna (3CWE590)

| Ant. | Antenna Type | Connector | Gain (dBi) | | Remark |
|------|------------------|--------------|------------|----|---------|
| | | | 2.4G | 5G | |
| Α | Monopole Antenna | Reversed-SMA | 2 | 2 | TX / RX |

2.4 Table for Carrier Frequencies

Frequency Allocation for 802.11a

| Frequency Band | Channel No. | Frequency |
|----------------|-------------|-----------|
| | 149 | 5745 MHz |
| | 153 | 5765 MHz |
| 5725~5850 MHz | 157 | 5785 MHz |
| | 161 | 5805 MHz |
| | 165 | 5825 MHz |

Frequency Allocation for 802.11b/g

| Frequency Band | Channel No. | Frequency | Channel No. | Frequency |
|------------------|-------------|-----------|-------------|-----------|
| | 1 | 2412 MHz | 7 | 2442 MHz |
| | 2 | 2417 MHz | 8 | 2447 MHz |
| 2400~2483.5MHz | 3 | 2422 MHz | 9 | 2452 MHz |
| 2400~2403.5WIFI2 | 4 | 2427 MHz | 10 | 2457 MHz |
| | 5 | 2432 MHz | 11 | 2462 MHz |
| | 6 | 2437 MHz | | |

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2.5 Table for Test Modes

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible Configuration for searching the worst cases. The following table is a list of the test modes shown in this test report.

| Test Items | Mode | Data Rate | Channel | Antenna |
|-----------------------------------|--------------|-----------|-------------|---------|
| AC Power Line Conducted Emissions | See the note | Auto | - | - |
| Maximum Conducted Output Power | 11a/BPSK | 6 Mbps | 149/157/165 | А |
| Power Spectral Density | 11b/CCK | 11 Mbps | 1/6/11 | Α |
| 6dB Spectrum Bandwidth | 11g/BPSK | 6 Mbps | 1/6/11 | Α |
| Radiated Emissions Below 1GHz | See the note | Auto | - | - |
| Radiated Emissions Above 1GHz | 11a/BPSK | 6 Mbps | 149/157/165 | А |
| Band Edge Emissions | 11b/CCK | 11 Mbps | 1/6/11 | А |
| | 11g/BPSK | 6 Mbps | 1/6/11 | Α |

Note: For EMI test, the following modes were tested:

Conducted Emissions Below 1GHz

LAN 100Mbps (Adapter: DSA-20D-12 2 120150) LAN 1Gbps (Adapter: DSA-20D-12 2 120150) LAN 1Gbps (Adapter: DSA-15P-12 US 120150)

Radiated Emissions Below 1GHz

Adapter: DSA-20D-12 2 120150 Adapter: DSA-15P-12 US 120150 Power Supply: POE20U-560(G) -R

There are performed the worst test result; it was reported as final data.

2.6 Table for Testing Locations

| Test Site No. | Site Category | Location | FCC Reg. No. | IC File No. | VCCI Reg. No |
|---------------|---------------|----------|--------------|-------------|--------------|
| 03CH03-HY | SAC | Hwa Ya | 101377 | IC 4086B-1 | - |
| CO01-LK | Conduction | Lin Kou | 93596 | IC 4086C-1 | - |
| TH01-HY | OVEN Room | Hwa Ya | - | - | - |

Open Area Test Site (OATS); Semi Anechoic Chamber (SAC); Fully Anechoic Chamber (FAC).

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2.7 Table for Supporting Units

| Support Unit | Brand | Model | FCC ID | |
|------------------------|---------|------------------|------------|--|
| P.C. | COMPAQ | Evo D380mx | DoC | |
| (Remote Workstation) | COMPAQ | EVO D360IIIX | ВОС | |
| Notebook | DELL | PP01L | DoC | |
| (Remote Workstation) | DELL | PPUIL | DOC | |
| Monitor | COMPAQ | S510 | DoC | |
| (Remote Workstation) | COMPAQ | 5510 | DOC | |
| Keyboard (PS2) | COMPAG | GE11 \/\ | DoC | |
| (Remote Workstation) | COMPAQ | 6511-VA | DOC | |
| Mouse (PS2) | COMPAQ | M-S69 | INI7044449 | |
| (Remote Workstation) | COMPAQ | IVI-309 | JNZ211443 | |
| Notebook | DELL | D400 | DoC | |
| (Remote Workstation) | DELL | D400 | DOC | |
| Switching Power Supply | PHIHONG | POE20U-560(G) -R | - | |

2.8 Table for Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters of IEEE 802.11a

| Test Software Version | ART 0.5 BUILD#25 | | | | |
|-----------------------|------------------|----------|----------|--|--|
| Frequency | 5745 MHz | 5785 MHz | 5825 MHz | | |
| IEEE 802.11a | 15.5 | 14.5 | 15 | | |

Power Parameters of IEEE 802.11b/g

| Test Software Version | ART 0.5 BUILD#25 | | | | | |
|-----------------------|------------------|----------|----------|--|--|--|
| Frequency | 2412 MHz | 2437 MHz | 2462 MHz | | | |
| IEEE 802.11b | 21 | 23 | 22 | | | |
| IEEE 802.11g | 16 | 21.5 | 16 | | | |

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2.9 EUT Operation during Test

An executive program, EMCTEST.EXE under WIN XP, which generates a complete line of continuously repeating "H" pattern was used as the test software.

The P.C. & NB sends "H" messages to the panel, and the panel displays "H" patterns on the screen.

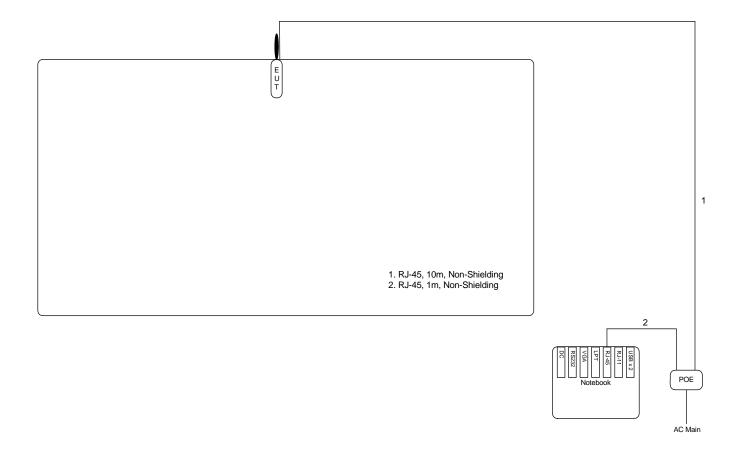
Executed "ART 0.5 BUILD#25" to keep transmitting signals at fixed frequency.

Executed "ping.exe" to link with the remote workstation to receive and transmit data by LAN and WLAN.

2.10 Test Configuration

2.10.1 Radiation Emissions Test Configuration

For radiated emissions 9kHz~1GHz

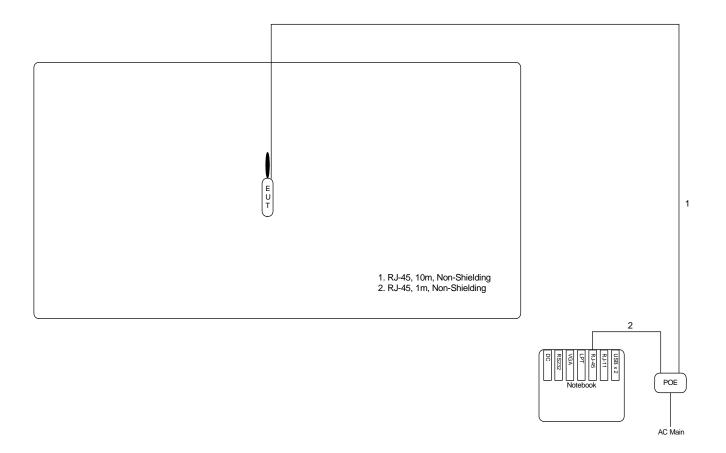


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For radiated emissions above 1GHz



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3 TEST RESULT

3.1 AC Power Line Conducted Emissions Measurement

3.1.1 Limit

For this product which is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

| Frequency (MHz) | QP Limit (dBuV) | AV Limit (dBuV) |
|-----------------|-----------------|-----------------|
| 0.15~0.5 | 66~56 | 56~46 |
| 0.5~5 | 56 | 46 |
| 5~30 | 60 | 50 |

3.1.2 Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the receiver.

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 KHz |

3.1.3 Test Procedures

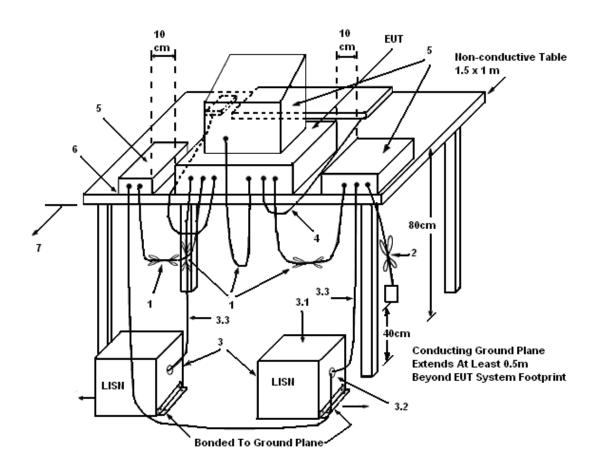
- Configure the EUT according to ANSI C63.4. The EUT or host of EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
- 4. The frequency range from 150 KHz to 30 MHz was searched.
- 5. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. The measurement has to be done between each power line and ground at the power terminal.

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3.1.4 Test Setup Layout



LEGEND:

- (1) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- (2) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- (3) EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω . LISN can be placed on top of, or immediately beneath, reference ground plane.
- (3.1) All other equipment powered from additional LISN(s).
- (3.2) Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
- (3.3) LISN at least 80 cm from nearest part of EUT chassis.
- (4) Cables of hand-operated devices, such as keyboards, mice, etc., shall be placed as for normal use.
- (5) Non-EUT components of EUT system being tested.
- (6) Rear of EUT, including peripherals, shall all be aligned and flush with rear of tabletop.
- (7) Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

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3.1.5 Test Deviation

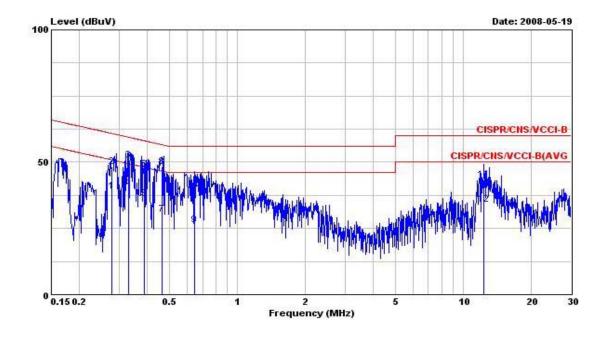
There is no deviation with the original standard.

3.1.6 EUT Operation during Test

The EUT was placed on the test table and programmed in normal function.

3.1.7 Results of AC Power Line Conducted Emissions Measurement

| Test date | May 19, 2008 | Test Site No. | CO01-LK | | | |
|---------------|--|---------------|---------|--|--|--|
| Temperature | 25°C | Humidity | 49% | | | |
| Test Engineer | Peter Phase Line | | | | | |
| Configuration | LAN 100Mbps (Adapter: DSA-20D-12 2 120150) | | | | | |



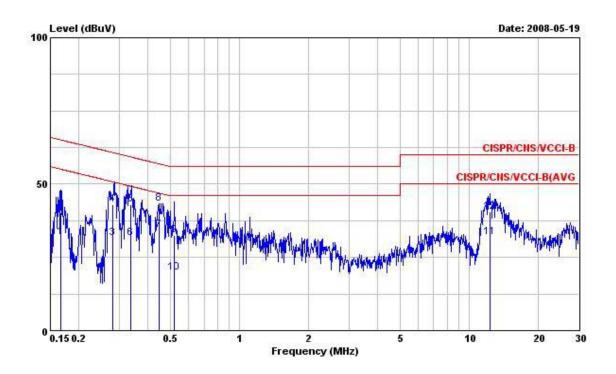
| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|----------|--------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| <u> </u> | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.278 | 39.14 | -11.75 | 50.89 | 38.99 | 0.10 | 0.05 | Average |
| 2 | 0.278 | 48.37 | -12.52 | 60.89 | 48.22 | 0.10 | 0.05 | QP |
| 3 | 0.330 | 50.86 | -8.59 | 59.45 | 50.72 | 0.10 | 0.04 | QP |
| 4 | 0.330 | 40.24 | -9.21 | 49.45 | 40.10 | 0.10 | 0.04 | Average |
| 5 | 0.389 | 36.17 | -11.92 | 48.09 | 36.03 | 0.10 | 0.04 | Average |
| 6 | 0.389 | 47.32 | -10.77 | 58.09 | 47.18 | 0.10 | 0.04 | QP |
| 7 | 0.466 | 30.37 | -16.22 | 46.59 | 30.22 | 0.10 | 0.05 | Average |
| 8 | 0.466 | 48.16 | -8.43 | 56.59 | 48.01 | 0.10 | 0.05 | QP |
| 9 | 0.647 | 26.36 | -19.64 | 46.00 | 26.18 | 0.10 | 0.08 | Average |
| 10 | 0.647 | 40.05 | -15.95 | 56.00 | 39.87 | 0.10 | 0.08 | QP |
| 11 | 12.320 | 43.31 | -16.69 | 60.00 | 42.40 | 0.55 | 0.36 | QP |
| 12 | 12.320 | 34.02 | -15.98 | 50.00 | 33.11 | 0.55 | 0.36 | Average |

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| Test date | May 19, 2008 | Test Site No. | CO01-LK | | | |
|---------------|--|---------------|---------|--|--|--|
| Temperature | 21℃ | Humidity | 62% | | | |
| Test Engineer | Steven Phase Neutral | | | | | |
| Configuration | LAN 100Mbps (Adapter: DSA-20D-12 2 120150) | | | | | |



| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|----|--------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| 13 | MHz | dBuV | dB | dBuV | dBuV | dB | dB | S 50 |
| 1 | 0.166 | 31.73 | -23.43 | 55.16 | 31.59 | 0.10 | 0.04 | Average |
| 2 | 0.166 | 40.22 | -24.94 | 65.16 | 40.08 | 0.10 | 0.04 | QP |
| 3 | 0.281 | 31.65 | -19.15 | 50.80 | 31.50 | 0.10 | 0.05 | Average |
| 4 | 0.281 | 43.08 | -17.72 | 60.80 | 42.93 | 0.10 | 0.05 | QP |
| 5 | 0.336 | 42.93 | -16.38 | 59.31 | 42.79 | 0.10 | 0.04 | QP |
| 6 | 0.336 | 31.60 | -17.71 | 49.31 | 31.46 | 0.10 | 0.04 | Average |
| 7 | 0.447 | 34.25 | -12.68 | 46.93 | 34.10 | 0.10 | 0.05 | Average |
| 8 | 0.447 | 43.42 | -13.51 | 56.93 | 43.27 | 0.10 | 0.05 | QP |
| 9 | 0.521 | 32.54 | -23.46 | 56.00 | 32.38 | 0.10 | 0.06 | QP |
| 10 | 0.521 | 19.91 | -26.09 | 46.00 | 19.75 | 0.10 | 0.06 | Average |
| 11 | 12.250 | 32.02 | -17.98 | 50.00 | 31.17 | 0.50 | 0.35 | Average |
| 12 | 12.250 | 40.49 | -19.51 | 60.00 | 39.64 | 0.50 | 0.35 | QP |

Note:

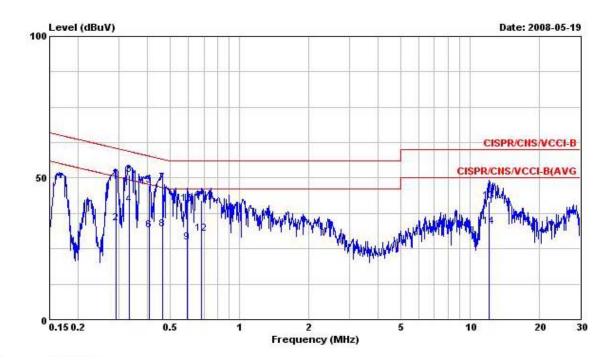
Level = Read Level + LISN Factor + Cable Loss.

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 TEL: 886-2-2696-2468
 Issued Date
 : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

| Test date | May 19, 2008 | Test Site No. | CO01-LK | | |
|---------------|--|---------------|---------|--|--|
| Temperature | 25°C | Humidity | 49% | | |
| Test Engineer | Peter Phase Line | | | | |
| Configuration | LAN 1Gbps (Adapter: DSA-20D-12 2 120150) | | | | |



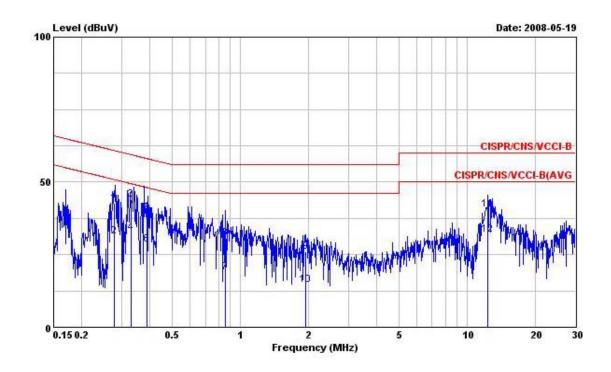
| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|----|--------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| _ | MHz | dBuV | dB | dBuV | dBuV | - дв | dB | - |
| 1 | 0.292 | 49.69 | -10.78 | 60.47 | 49.55 | 0.10 | 0.04 | QP |
| 2 | 0.292 | 33.92 | -16.55 | 50.47 | 33.78 | 0.10 | 0.04 | Average |
| 3 | 0.333 | 51.04 | -8.35 | 59.39 | 50.90 | 0.10 | 0.04 | QP |
| 4 | 0.333 | 40.54 | -8.85 | 49.39 | 40.40 | 0.10 | 0.04 | Average |
| 5 | 0.406 | 47.49 | -10.24 | 57.73 | 47.35 | 0.10 | 0.04 | QP |
| 6 | 0.406 | 31.60 | -16.13 | 47.73 | 31.46 | 0.10 | 0.04 | Average |
| 7 | 0.464 | 48.40 | -8.22 | 56.62 | 48.25 | 0.10 | 0.05 | QP |
| 8 | 0.464 | 31.92 | -14.70 | 46.62 | 31.77 | 0.10 | 0.05 | Average |
| 9 | 0.592 | 27.26 | -18.74 | 46.00 | 27.09 | 0.10 | 0.07 | Average |
| 10 | 0.592 | 41.01 | -14.99 | 56.00 | 40.84 | 0.10 | 0.07 | QP |
| 11 | 0.686 | 42.10 | -13.90 | 56.00 | 41.92 | 0.10 | 0.08 | QP |
| 12 | 0.686 | 30.32 | -15.68 | 46.00 | 30.14 | 0.10 | 0.08 | Average |
| 13 | 12.120 | 41.88 | -18.12 | 60.00 | 40.98 | 0.55 | 0.35 | QP |
| 14 | 12.120 | 32.93 | -17.07 | 50.00 | 32.03 | 0.55 | 0.35 | Average |

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 TEL: 886-2-2696-2468
 Issued Date : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

| Test date | May 19, 2008 | Test Site No. | CO01-LK | | | |
|---------------|--|---------------|---------|--|--|--|
| Temperature | 21°C | Humidity | 62% | | | |
| Test Engineer | Steven | Phase | Neutral | | | |
| Configuration | LAN 1Gbps (Adapter: DSA-20D-12 2 120150) | | | | | |



| | Freq | Level | Limit | Limit | Level | Factor | Labie | Remark |
|----|--------|-------|--------|-------|-------|--------|-------|---------------------------------------|
| - | MHz | dBuV | dB | dBuV | dBuV | - dB | dB | e e e e e e e e e e e e e e e e e e e |
| 1 | 0.279 | 42.61 | -18.24 | 60.85 | 42.46 | 0.10 | 0.05 | QP |
| 2 | 0.279 | 31.28 | -19.57 | 50.85 | 31.13 | 0.10 | 0.05 | Average |
| 3 | 0.330 | 43.90 | -15.55 | 59.45 | 43.76 | 0.10 | 0.04 | QP |
| 4 | 0.330 | 32.40 | -17.05 | 49.45 | 32.26 | 0.10 | 0.04 | Average |
| 5 | 0.386 | 39.37 | -18.78 | 58.15 | 39.23 | 0.10 | 0.04 | QP |
| 6 | 0.386 | 28.33 | -19.82 | 48.15 | 28.19 | 0.10 | 0.04 | Average |
| 7 | 0.862 | 18.91 | -27.09 | 46.00 | 18.71 | 0.10 | 0.10 | Average |
| 8 | 0.862 | 30.63 | -25.37 | 56.00 | 30.43 | 0.10 | 0.10 | QP |
| 9 | 1.940 | 25.86 | -30.14 | 56.00 | 25.63 | 0.10 | 0.13 | QP |
| 10 | 1.940 | 14.62 | -31.38 | 46.00 | 14.39 | 0.10 | 0.13 | Average |
| 11 | 12.320 | 40.46 | -19.54 | 60.00 | 39.60 | 0.50 | 0.36 | QP |
| 12 | 12.320 | 31.97 | -18.03 | 50.00 | 31.11 | 0.50 | 0.36 | Average |

Note:

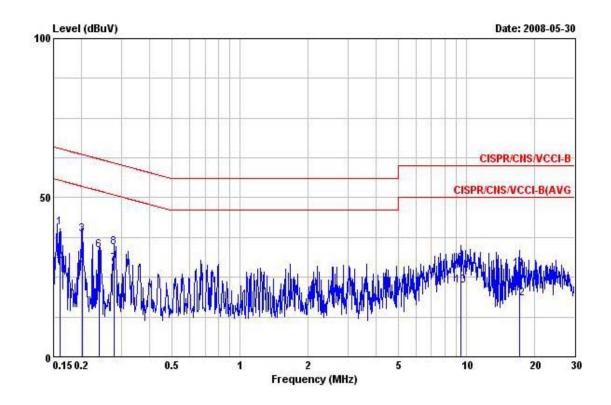
Level = Read Level + LISN Factor + Cable Loss.

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| Test date | May 30, 2008 | Test Site No. | CO01-LK | | |
|---------------|---|---------------|---------|--|--|
| Temperature | 25℃ | Humidity | 49% | | |
| Test Engineer | Peter | Phase | Line | | |
| Configuration | LAN 1Gbps (Adapter: DSA-15P-12 US 120150) | | | | |



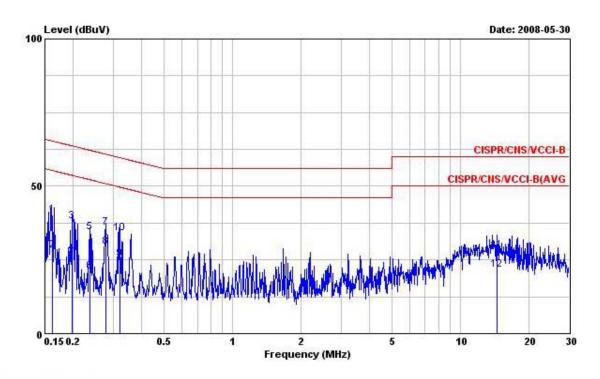
| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|----|--------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.160 | 40.52 | -24.95 | 65.47 | 40.38 | 0.10 | 0.04 | QP |
| 2 | 0.160 | 29.94 | -25.53 | 55.47 | 29.80 | 0.10 | 0.04 | Average |
| 3 | 0.201 | 38.37 | -25.21 | 63.58 | 38.22 | 0.10 | 0.05 | QP |
| 4 | 0.201 | 28.26 | -25.32 | 53.58 | 28.11 | 0.10 | 0.05 | Average |
| 5 | 0.239 | 21.97 | -30.16 | 52.13 | 21.82 | 0.10 | 0.05 | Average |
| 6 | 0.239 | 33.31 | -28.82 | 62.13 | 33.16 | 0.10 | 0.05 | QP |
| 7 | 0.279 | 29.02 | -21.83 | 50.85 | 28.87 | 0.10 | 0.05 | Average |
| 8 | 0.279 | 34.22 | -26.63 | 60.85 | 34.07 | 0.10 | 0.05 | QP |
| 9 | 9.404 | 29.22 | -30.78 | 60.00 | 28.43 | 0.48 | 0.31 | QP |
| 10 | 9.404 | 22.43 | -27.57 | 50.00 | 21.64 | 0.48 | 0.31 | Average |
| 11 | 17.139 | 27.41 | -32.59 | 60.00 | 26.35 | 0.69 | 0.37 | QP |
| 12 | 17.139 | 18.41 | -31.59 | 50.00 | 17.35 | 0.69 | 0.37 | Average |
| | | | | | | | | |

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 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

| Test date | May 30, 2008 | Test Site No. | CO01-LK | | |
|---------------|---|---------------|---------|--|--|
| Temperature | 21°C | Humidity | 62% | | |
| Test Engineer | Steven | Phase | Neutral | | |
| Configuration | LAN 1Gbps (Adapter: DSA-15P-12 US 120150) | | | | |



| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|----|--------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| | MHz | dBu∀ | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.161 | 40.28 | -25.11 | 65.39 | 40.14 | 0.10 | 0.04 | QP |
| 2 | 0.161 | 28.05 | -27.34 | 55.39 | 27.91 | 0.10 | 0.04 | Average |
| 3 | 0.197 | 38.21 | -25.54 | 63.75 | 38.06 | 0.10 | 0.05 | QP |
| 4 | 0.197 | 27.36 | -26.39 | 53.75 | 27.21 | 0.10 | 0.05 | Average |
| 5 | 0.237 | 34.35 | -27.85 | 62.20 | 34.20 | 0.10 | 0.05 | QP |
| 6 | 0.237 | 21.01 | -31.19 | 52.20 | 20.86 | 0.10 | 0.05 | Average |
| 7 | 0.277 | 35.93 | -24.98 | 60.91 | 35.78 | 0.10 | 0.05 | QP |
| 8 | 0.277 | 29.38 | -21.53 | 50.91 | 29.23 | 0.10 | 0.05 | Average |
| 9 | 0.319 | 25.28 | -24.45 | 49.73 | 25.14 | 0.10 | 0.04 | Average |
| 10 | 0.319 | 34.12 | -25.61 | 59.73 | 33.98 | 0.10 | 0.04 | QP |
| 11 | 14.505 | 28.03 | -31.97 | 60.00 | 27.07 | 0.58 | 0.38 | QP |
| 12 | 14.505 | 21.52 | -28.48 | 50.00 | 20.56 | 0.58 | 0.38 | Average |

Note:

Level = Read Level + LISN Factor + Cable Loss.

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3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. The limited has to be reduced by the amount in dB that the gain of the antenna exceed 6dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

Report No.: FR843032-05AB

3.2.2 Measuring Instruments and Setting

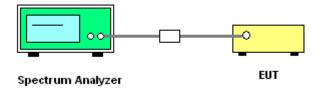
Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Power Meter Parameter | Setting |
|-----------------------|--|
| Attenuation | Auto |
| Span Frequency | Encompass the entire emissions bandwidth (EBW) of the signal |
| RB | 1000 kHz |
| VB | 3000 kHz |
| Detector | rms |
| Trace | Max Hold |
| Sweep Time | Auto |

3.2.3 Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyzer.
- Test was performed in accordance with Measurement of Digital Transmission Systems Operating under Section 15.247 March 23, 2005.

3.2.4 Test Setup Layout



3.2.5 Test Deviation

There is no deviation with the original standard.

3.2.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.2.7 Test Result of Maximum Conducted Output Power

| Test date | May 09, 2008 | Test Site No. | TH01-HY |
|---------------|--------------|---------------|-------------|
| Temperature | 27°C | Humidity | 55% |
| Test Engineer | Sam | Configuration | 802.11a/b/g |

Configuration IEEE 802.11a

| Channel | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result |
|---------|-----------|-----------------------|---------------------|----------|
| 149 | 5745 MHz | 13.25 | 30.00 | Complies |
| 157 | 5785 MHz | 10.85 | 30.00 | Complies |
| 165 | 5825 MHz | 11.01 | 30.00 | Complies |

Configuration IEEE 802.11b

| Channel | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result |
|---------|-----------|-----------------------|---------------------|----------|
| 1 | 2412 MHz | 18.56 | 30.00 | Complies |
| 6 | 2437 MHz | 20.44 | 30.00 | Complies |
| 11 | 2462 MHz | 19.30 | 30.00 | Complies |

Configuration IEEE 802.11g

| Channel | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result |
|---------|-----------|-----------------------|---------------------|----------|
| 1 | 2412 MHz | 13.91 | 30.00 | Complies |
| 6 | 2437 MHz | 18.92 | 30.00 | Complies |
| 11 | 2462 MHz | 13.76 | 30.00 | Complies |

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 : TOR-SS300AT

3.3 Power Spectral Density Measurement

3.3.1 Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Report No.: FR843032-05AB

3.3.2 Measuring Instruments and Setting

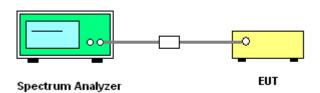
Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter | Setting |
|--------------------|----------|
| Attenuation | Auto |
| Span Frequency | 1.5MHz |
| RB | 3 kHz |
| VB | 30 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | 500s |

3.3.3 Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyser.
- 2. Set RBW of spectrum analyzer to 3kHz and VBW to 30kHz. Set Detector to Peak, Trace to Max Hold.
- 3. Mark the frequency with maximum peak power as the center of the display of the spectrum.
- 4. Set the span to 1.5MHz and the sweep time to 500s and record the maximum peak value.

3.3.4 Test Setup Layout



3.3.5 Test Deviation

There is no deviation with the original standard.

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FCC TEST REPORT Report No.: FR843032-05AB

3.3.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

3.3.7 Test Result of Power Spectral Density

| Test date | Jun. 01, 2008 | Test Site No. | TH01-HY |
|---------------|---------------|---------------|-------------|
| Temperature | 27°C | Humidity | 55% |
| Test Engineer | Sam | Configuration | 802.11a/b/g |

Configuration IEEE 802.11a

| Channel | Frequency | Power Density (dBm) | Max. Limit (dBm) | Result |
|---------|-----------|------------------------|---------------------|----------|
| 149 | 5745 MHz | -11.77 | 8.00 | Complies |
| 157 | 5785 MHz | -11.57 | 8.00 | Complies |
| 165 | 5825 MHz | -11.52 | 8.00 | Complies |

Configuration IEEE 802.11b

| Channel | Frequency | Power Density (dBm) | Max. Limit (dBm) | Result |
|---------|-----------|------------------------|---------------------|----------|
| 1 | 2412 MHz | -2.02 | 8.00 | Complies |
| 6 | 2437 MHz | 0.22 | 8.00 | Complies |
| 11 | 2462 MHz | 0.10 | 8.00 | Complies |

Configuration IEEE 802.11g

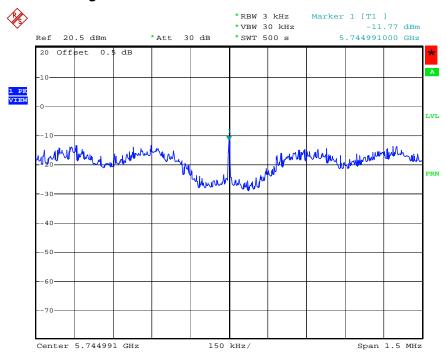
| Channel | Frequency | Power Density (dBm) | Max. Limit (dBm) | Result |
|---------|-----------|------------------------|---------------------|----------|
| 1 | 2412 MHz | -7.41 | 8.00 | Complies |
| 6 | 2437 MHz | -0.53 | 8.00 | Complies |
| 11 | 2462 MHz | -8.10 | 8.00 | Complies |

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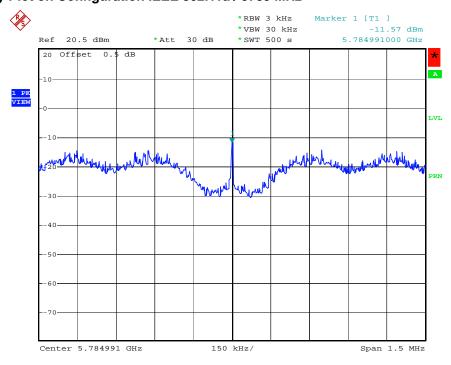
 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

Power Density Plot on Configuration IEEE 802.11a / 5745 MHz



Date: 1.JUN.2008 05:57:07

Power Density Plot on Configuration IEEE 802.11a / 5785 MHz



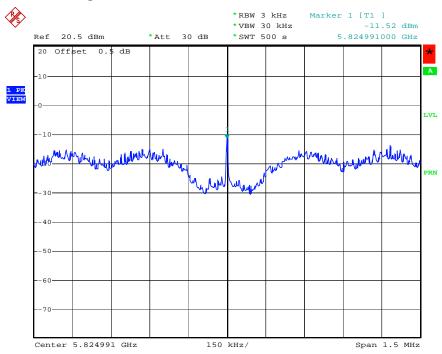
Date: 1.JUN.2008 05:52:02

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Power Density Plot on Configuration IEEE 802.11a / 5825 MHz



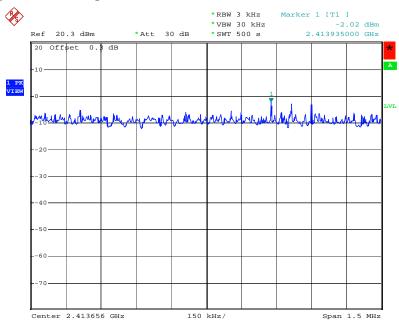
Date: 1.JUN.2008 05:51:01

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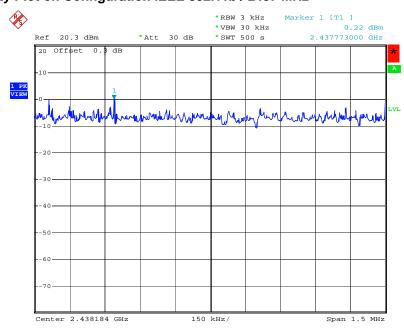
 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

Power Density Plot on Configuration IEEE 802.11b / 2412 MHz



Date: 27.MAY.2008 18:03:26

Power Density Plot on Configuration IEEE 802.11b / 2437 MHz



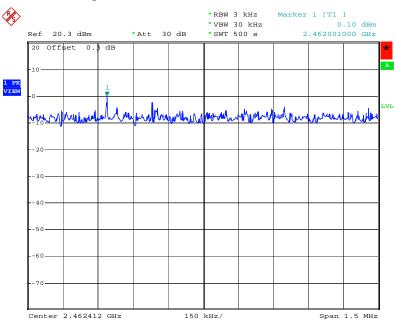
Date: 27.MAY.2008 18:21:21

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Power Density Plot on Configuration IEEE 802.11b / 2462 MHz



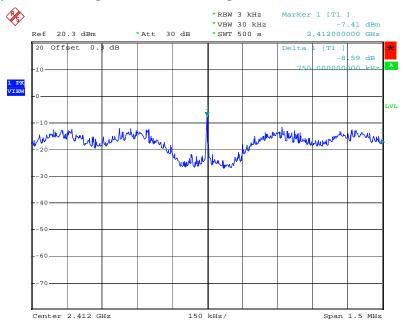
Date: 27.MAY.2008 18:23:35

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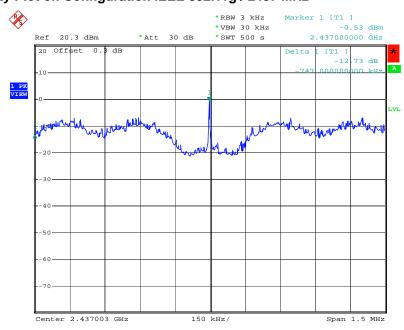
 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

Power Density Plot on Configuration IEEE 802.11g / 2412 MHz



Date: 28.MAY.2008 10:17:40

Power Density Plot on Configuration IEEE 802.11g / 2437 MHz



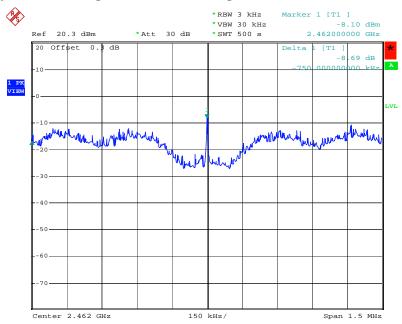
Date: 28.MAY.2008 10:19:57

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Power Density Plot on Configuration IEEE 802.11g / 2462 MHz



Date: 28.MAY.2008 10:16:52

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3.4 6dB Spectrum Bandwidth Measurement

3.4.1 Limit

For digital modulation systems, the minimum 6dB bandwidth shall be at least 500 kHz.

3.4.2 Measuring Instruments and Setting

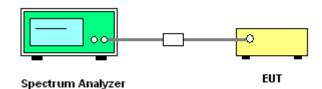
Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameters | Setting |
|---------------------|-----------------|
| Attenuation | Auto |
| Span Frequency | > 6dB Bandwidth |
| RB | 100 kHz |
| VB | 100 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

3.4.3 Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- 2. The resolution bandwidth of 100 kHz and the video bandwidth of 100 kHz were used.
- 3. Measured the spectrum width with power higher than 6dB below carrier.

3.4.4 Test Setup Layout



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 Issued Date
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 FAX: 886-2-2696-2255
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 : TOR-SS300AT

3.4.5 Test Deviation

There is no deviation with the original standard.

3.4.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

3.4.7 Test Result of 6dB Spectrum Bandwidth

| Test date | Jun. 01, 2008 | Test Site No. | TH01-HY |
|---------------|---------------|---------------|-------------|
| Temperature | 27°C | Humidity | 55% |
| Test Engineer | Sam | Configuration | 802.11a/b/g |

Report No.: FR843032-05AB

Configuration IEEE 802.11a

| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|------------------------|------------------------------------|---------------------|-------------|
| 149 | 5745 MHz | 16.36 | 16.44 | 500 | Complies |
| 157 | 5785 MHz | 16.36 | 16.44 | 500 | Complies |
| 165 | 5825 MHz | 16.40 | 16.44 | 500 | Complies |

Configuration IEEE 802.11b

| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|------------------------|------------------------------------|---------------------|-------------|
| 1 | 2412 MHz | 11.36 | 15.12 | 500 | Complies |
| 6 | 2437 MHz | 11.60 | 15.12 | 500 | Complies |
| 11 | 2462 MHz | 11.12 | 15.12 | 500 | Complies |

Configuration IEEE 802.11g

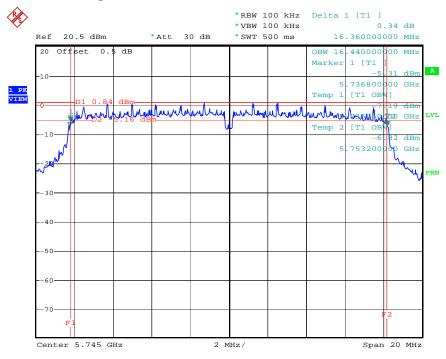
| Channel | Frequency | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Min. Limit (kHz) | Test Result |
|---------|-----------|------------------------|------------------------------------|---------------------|-------------|
| 1 | 2412 MHz | 16.36 | 16.48 | 500 | Complies |
| 6 | 2437 MHz | 16.36 | 16.60 | 500 | Complies |
| 11 | 2462 MHz | 16.40 | 16.48 | 500 | Complies |

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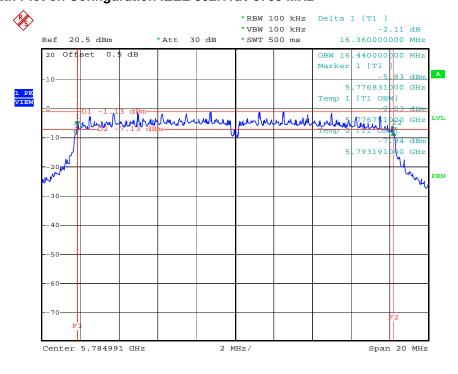
 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5745 MHz



Date: 1.JUN.2008 05:54:36

6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5785 MHz



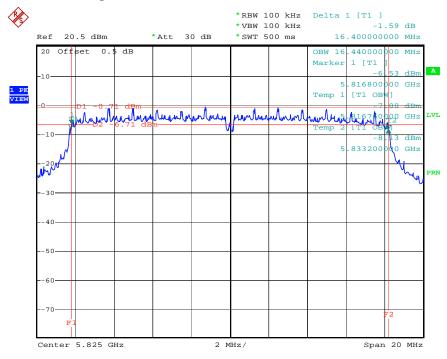
Date: 1.JUN.2008 05:53:17

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6 dB Bandwidth Plot on Configuration IEEE 802.11a / 5825 MHz



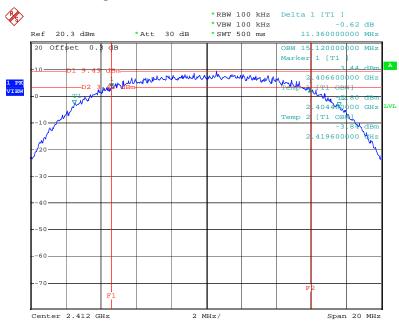
Date: 1.JUN.2008 05:48:37

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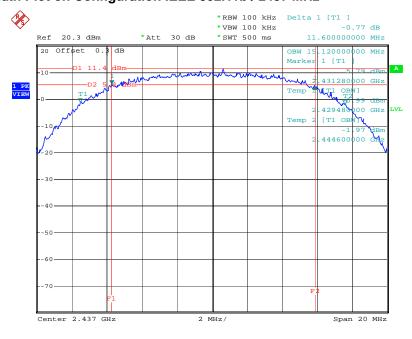
 FAX: 886-2-2696-2255
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 : TOR-SS300AT

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz



Date: 27.MAY.2008 18:01:02

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz



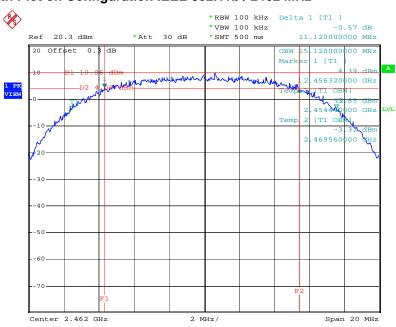
Date: 27.MAY.2008 18:20:03

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6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz



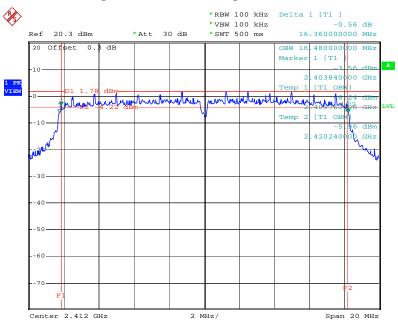
Date: 27.MAY.2008 18:24:35

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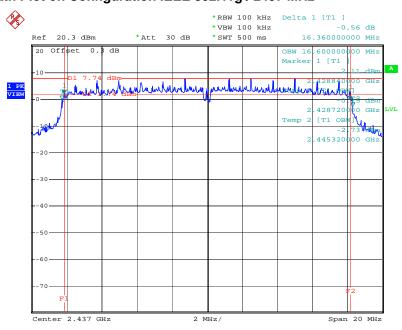
 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz



Date: 28.MAY.2008 10:21:42

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz



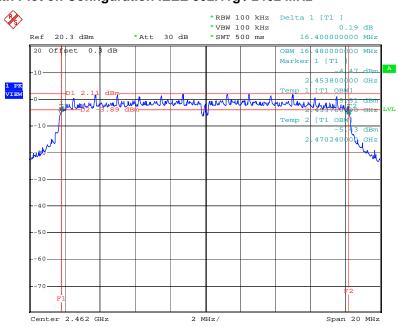
Date: 28.MAY.2008 10:23:52

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6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz



Date: 27.MAY.2008 18:55:04

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Report No.: FR843032-05AB

3.5 Radiated Emissions Measurement

3.5.1 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (micorvolts/meter) | (meters) |
| 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 |

3.5.2 Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter | Setting |
|---|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (Emission in restricted band) | 1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average |
| RB / VB (Emission in non-restricted band) | 100KHz / 100KHz for peak |

| Receiver Parameter | Setting |
|------------------------|----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

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FCC TEST REPORT Report No.: FR843032-05AB

3.5.3 Test Procedures

1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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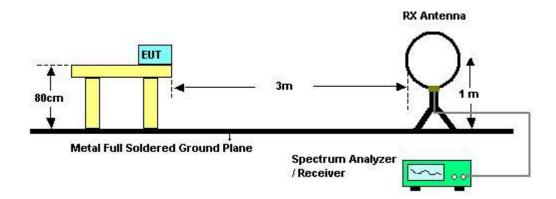
 TEL: 886-2-2696-2468
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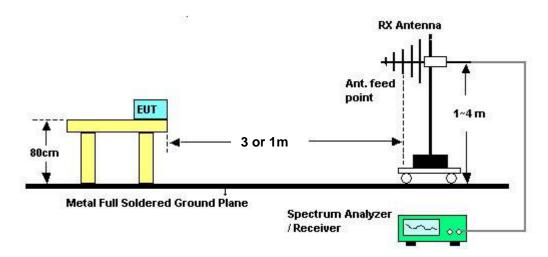
Report No.: FR843032-05AB

3.5.4 Test Setup Layout

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

3.5.5 Test Deviation

There is no deviation with the original standard.

3.5.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.5.7 Results of Radiated Emissions (9kHz~30MHz)

| Test date | May 30, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|-----------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | | |

Report No.: FR843032-05AB

| Freq. | Level | Over Limit | Limit Line | Remark |
|-------|--------|------------|------------|----------|
| (MHz) | (dBuV) | (dB) | (dBuV) | |
| - | - | - | - | See Note |

Note:

The amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

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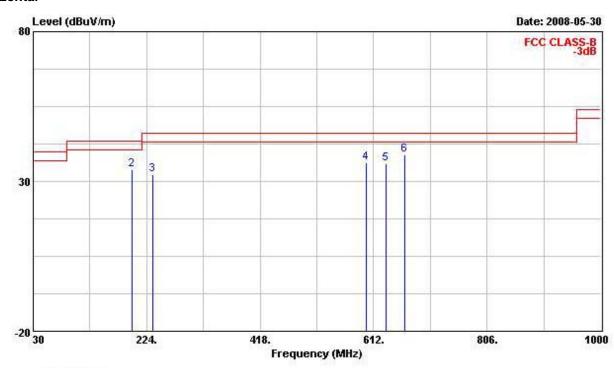
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 Issued Date
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3.5.8 Results of Radiated Emissions (30MHz~1GHz)

| Test date | May 30, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|--------------------------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | (Adapter: DSA-20D-12 2 120150) |

Horizontal

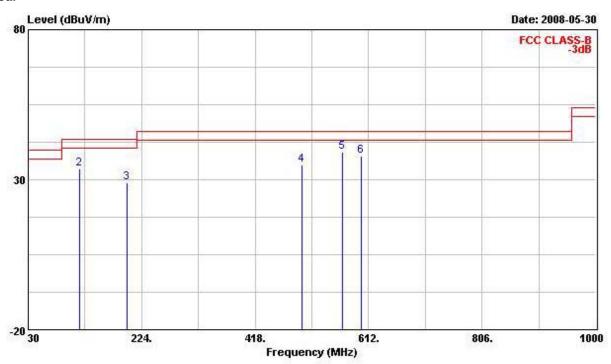


| | Freq | Level | Over Limit | | | Antenna Factor | | | |
|-----|---------|--------|---------------|--------|-------|-------------------|------|--------|--------|
| | rreq | #E #E+ | D.Liid. C | n.r.c | Deser | ractor | LUSS | ractor | Kenark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 @ | 30.010 | 33.63 | -6.37 | 40.00 | 41.82 | 18.48 | 1.01 | 27.68 | Peak |
| 2 | 198.780 | 33.97 | -9.53 | 43.50 | 50.05 | 9.61 | 2.38 | 28.07 | Peak |
| 3 | 233.700 | 32.43 | -13.57 | 46.00 | 47.21 | 10.84 | 2.62 | 28.23 | Peak |
| 4 | 599.390 | 36.29 | -9.71 | 46.00 | 41.67 | 19.30 | 4.45 | 29.14 | Peak |
| 5 | 633.340 | 36.07 | -9.93 | 46.00 | 41.76 | 19.52 | 4.28 | 29.49 | Peak |
| 6 | 665.350 | 38.85 | -7.15 | 46.00 | 44.21 | 19.73 | 4.45 | 29.55 | Peak |

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| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|---------|--------|--------|--------|-------|---------|-------|--------|--------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | αв | dB | |
| 1 0 | 30.010 | 34.65 | -5.35 | 40.00 | 42.84 | 18.48 | 1.01 | 27.68 | QP |
| 2 | 118.270 | 33.69 | -9.81 | 43.50 | 47.09 | 12.61 | 1.83 | 27.84 | Peak |
| 3 | 198.780 | 29.05 | -14.45 | 43.50 | 45.13 | 9.61 | 2.38 | 28.07 | Peak |
| 4 | 498.510 | 34.94 | -11.06 | 46.00 | 42.01 | 18.09 | 3.76 | 28.92 | Peak |
| 5 | 567.380 | 39.30 | -6.70 | 46.00 | 44.80 | 19.30 | 4.09 | 28.90 | Peak |
| 6 | 599.390 | 37.87 | -8.13 | 46.00 | 43.25 | 19.30 | 4.45 | 29.14 | Peak |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

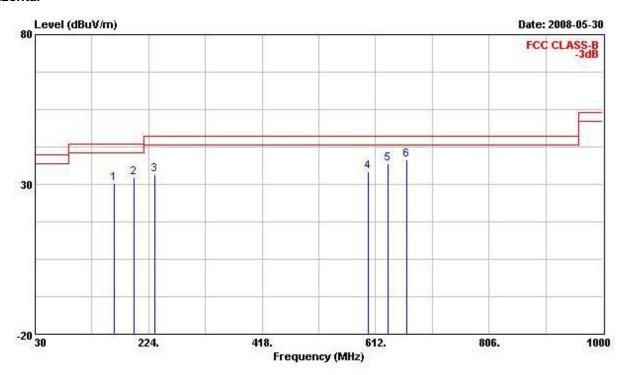
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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| Test date | May 30, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|---------------------------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | (Adapter: DSA-15P-12 US 120150) |

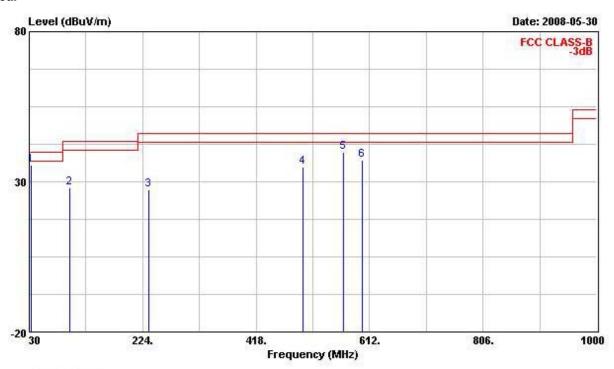


| | Freq | Level | Over Limit | | | Antenna Factor | | | |
|---|---------|--------|---------------|--------|-------|-------------------|------|-------|------|
| | MHz | dBuV/m | - dB | dBuV/m | dBuV | dB/m | dB | dB | - |
| 1 | 164.830 | 30.31 | -13.19 | 43.50 | 46.23 | 9.89 | 2.17 | 27.98 | Peak |
| 2 | 198.780 | 32.14 | -11.36 | 43.50 | 48.22 | 9.61 | 2.38 | 28.07 | Peak |
| 3 | 233.700 | 33.44 | -12.56 | 46.00 | 48.22 | 10.84 | 2.62 | 28.23 | Peak |
| 4 | 599.390 | 34.32 | -11.68 | 46.00 | 39.70 | 19.30 | 4.45 | 29.14 | Peak |
| 5 | 633.340 | 37.04 | -8.96 | 46.00 | 42.73 | 19.52 | 4.28 | 29.49 | Peak |
| 6 | 665.350 | 38.16 | -7.84 | 46.00 | 43.52 | 19.73 | 4.45 | 29.55 | Peak |

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| | Freq | Level | Over Limit | | | Intenna Factor | | | Remark |
|-----|---------|--------|---------------|--------|-------|-------------------|------|-------|--------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | - |
| 1 @ | 32.910 | 35.43 | -4.57 | 40.00 | 45.39 | 16.71 | 1.03 | 27.70 | QP |
| 2 | 98.870 | 28.17 | -15.33 | 43.50 | 43.24 | 11.03 | 1.72 | 27.82 | Peak |
| 3 | 233.700 | 27.46 | -18.54 | 46.00 | 42.24 | 10.84 | 2.62 | 28.23 | Peak |
| 4 | 498.510 | 34.95 | -11.05 | 46.00 | 42.02 | 18.09 | 3.76 | 28.92 | Peak |
| 5 @ | 567.380 | 39.80 | -6.20 | 46.00 | 45.30 | 19.30 | 4.09 | 28.90 | Peak |
| 6 | 599.390 | 37.24 | -8.76 | 46.00 | 42.62 | 19.30 | 4.45 | 29.14 | Peak |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

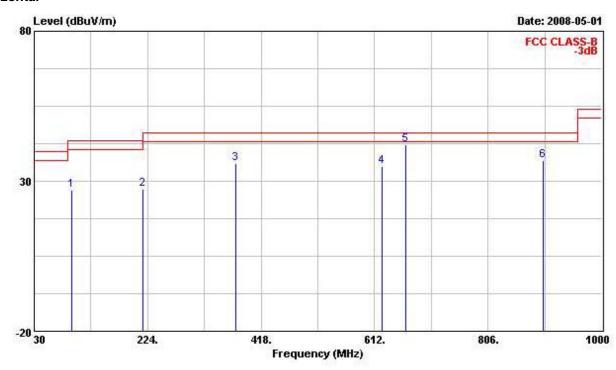
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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| Test date | May 01, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|----------------------------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | (Power Supply: POE20U-560(G) -R) |

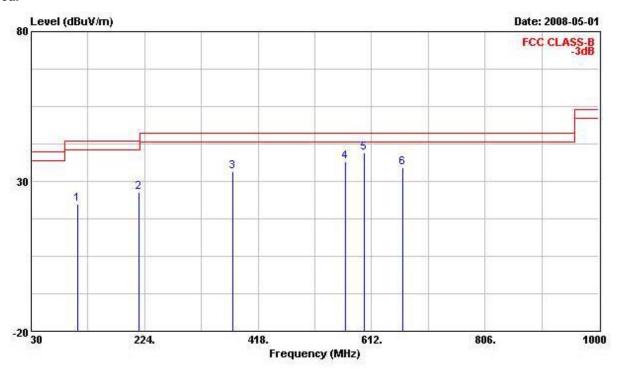


| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|---------|--------|--------|--------|-------|---------|-------|--------|--------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | - |
| 1 | 94.990 | 27.16 | -16.34 | 43.50 | 42.95 | 10.35 | 1.68 | 27.81 | Peak |
| 2 | 215.270 | 27.24 | -16.26 | 43.50 | 43.61 | 9.27 | 2.52 | 28.15 | Peak |
| 3 | 374.350 | 36.00 | -10.00 | 46.00 | 45.72 | 15.62 | 3.42 | 28.76 | Peak |
| 4 | 625.580 | 34.80 | -11.20 | 46.00 | 40.54 | 19.47 | 4.29 | 29.50 | Peak |
| 5 @ | 665.350 | 42.26 | -3.74 | 46.00 | 47.62 | 19.73 | 4.45 | 29.55 | Peak |
| 6 | 901.060 | 36.81 | -9.19 | 46.00 | 39.85 | 21.04 | 5.25 | 29.33 | Peak |

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| Freq | Level | March 2017 | 165.65 | | | | | Remark |
|---------|--|---|--------------------------------------|---|--|---|--|--|
| MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dВ | dB | - |
| 109.540 | 22.36 | -21.14 | 43.50 | 36.00 | 12.40 | 1.76 | 27.80 | Peak |
| 214.300 | 26.38 | -17.12 | 43.50 | 42.71 | 9.29 | 2.53 | 28.15 | Peak |
| 374.350 | 33.36 | -12.64 | 46.00 | 43.08 | 15.62 | 3.42 | 28.76 | Peak |
| 567.380 | 36.47 | -9.53 | 46.00 | 41.97 | 19.30 | 4.09 | 28.90 | Peak |
| 599.390 | 39.62 | -6.38 | 46.00 | 45.00 | 19.30 | 4.45 | 29.14 | Peak |
| 665.350 | 34.75 | -11.25 | 46.00 | 40.11 | 19.73 | 4.45 | 29.55 | Peak |
| | MHz 109.540 214.300 374.350 567.380 599.390 | MHz dBuV/m 109.540 22.36 214.300 26.38 374.350 33.36 567.380 36.47 599.390 39.62 | ### Hevel Limit MHz dBuV/m dB | Freq Level Limit Line MHz dBuV/m dB dBuV/m 109.540 22.36 -21.14 43.50 214.300 26.38 -17.12 43.50 374.350 33.36 -12.64 46.00 567.380 36.47 -9.53 46.00 599.390 39.62 -6.38 46.00 | Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 109.540 22.36 -21.14 43.50 36.00 214.300 26.38 -17.12 43.50 42.71 374.350 33.36 -12.64 46.00 43.08 567.380 36.47 -9.53 46.00 41.97 599.390 39.62 -6.38 46.00 45.00 | Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 109.540 22.36 -21.14 43.50 36.00 12.40 214.300 26.38 -17.12 43.50 42.71 9.29 374.350 33.36 -12.64 46.00 43.08 15.62 567.380 36.47 -9.53 46.00 41.97 19.30 599.390 39.62 -6.38 46.00 45.00 19.30 | Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 109.540 22.36 -21.14 43.50 36.00 12.40 1.76 214.300 26.38 -17.12 43.50 42.71 9.29 2.53 374.350 33.36 -12.64 46.00 43.08 15.62 3.42 567.380 36.47 -9.53 46.00 41.97 19.30 4.09 599.390 39.62 -6.38 46.00 45.00 19.30 4.45 | Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 109.540 22.36 -21.14 43.50 36.00 12.40 1.76 27.80 214.300 26.38 -17.12 43.50 42.71 9.29 2.53 28.15 374.350 33.36 -12.64 46.00 43.08 15.62 3.42 28.76 567.380 36.47 -9.53 46.00 41.97 19.30 4.09 28.90 599.390 39.62 -6.38 46.00 45.00 19.30 4.45 29.14 |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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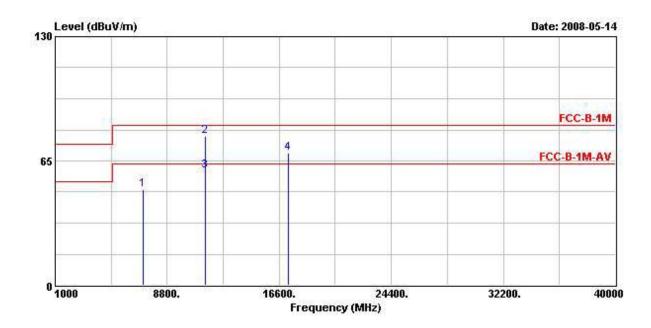
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3.5.9 Results for Radiated Emissions (1GHz~10th Harmonic)

| Test date | May 14, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|----------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11a CH 149 |

Horizontal



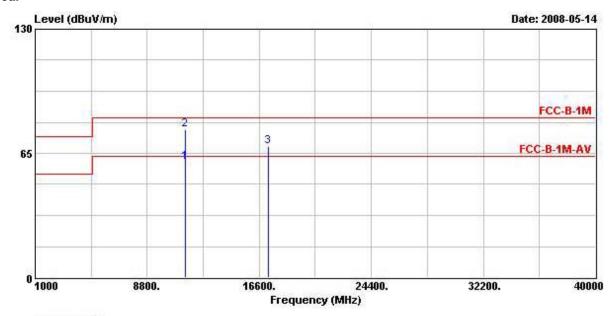
| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|-----------|--------|-------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | 10 |
| 1 | 7104.000 | 50.23 | | | 43.30 | 36.35 | 3.30 | 32.71 | PEAK |
| 2 | 11485.400 | 77.75 | -5.79 | 83.54 | 63.61 | 39.68 | 6.78 | 32.31 | PEAK |
| 3 @ | 11485.400 | 60.02 | -3.52 | 63.54 | 45.88 | 39.68 | 6.78 | 32.31 | Average |
| 4 | 17235.700 | 69.38 | | | 46.86 | 43.26 | 7.80 | 28.55 | PEAK |
| | | | | | | | | | |

Note: An item 1 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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| | | | | Over | Limit | Read | Antenna | Cable | Preamp | |
|-----|----|----------|--------|-------|--------|-------|---------|-------|--------|---------|
| | | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | 70 | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 @ | 1 | 1487.800 | 60.52 | -3.02 | 63.54 | 46.38 | 39.68 | 6.78 | 32.31 | Average |
| 2 | 1 | 1487.800 | 77.20 | -6.34 | 83.54 | 63.06 | 39.68 | 6.78 | 32.31 | PEAK |
| 3 | 1 | 7226.700 | 68.39 | | | 45.87 | 43.26 | 7.80 | 28.54 | PEAK |

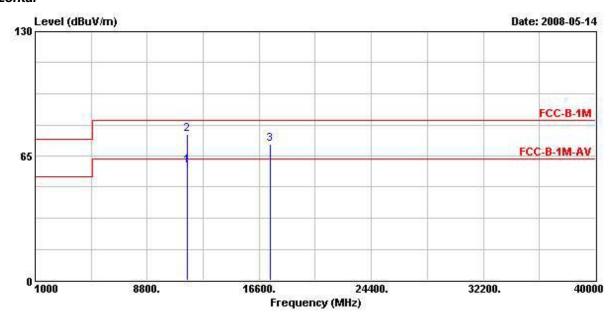
Note: An item 3 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 FCC ID : TOR-SS300AT

| Test date | May 14, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|----------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11a CH 157 |



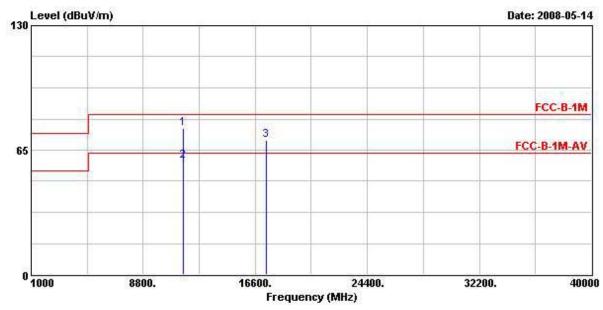
| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|-----------|--------|-------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | į (|
| 1 @ | 11575.600 | 59.59 | -3.95 | 63.54 | 45.80 | 39.63 | 6.68 | 32.52 | Average |
| 2 | 11575.600 | 76.46 | -7.08 | 83.54 | 62.67 | 39.63 | 6.68 | 32.52 | PEAK |
| 3 | 17345.900 | 71.37 | | | 47.87 | 44.24 | 7.82 | 28.56 | PEAK |

Note: An item 3 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
 Issued Date : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT



| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|-----------|--------|-------|--------|-------|---------|-------|--------|------------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | Mtz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | 15. 15. |
| 1 | 11567.900 | 76.54 | -7.00 | 83.54 | 62.73 | 39.63 | 6.68 | 32.49 | PEAK |
| 2 @ | 11567.900 | 59.18 | -4.36 | 63.54 | 45.37 | 39.63 | 6.68 | 32.49 | Average |
| 3 | 17354.200 | 69.90 | | | 46.40 | 44.24 | 7.82 | 28.56 | PEAK |

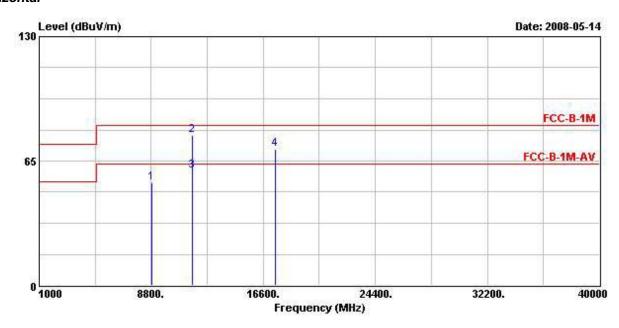
Note: An item 3 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 Issued Date
 : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

| Test date | May 14, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|----------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11a CH 165 |



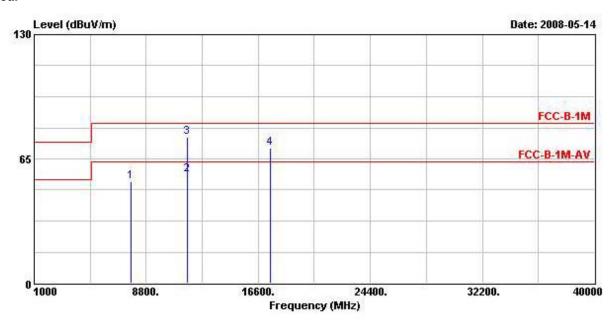
| | | | 0ver | Limit | Readi | Antenna | Cable | Preamp | |
|-----|-----------|--------|-------|--------|-------|---------|-------|--------|----------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | <u> </u> |
| 1 | 8808.000 | 53.73 | | | 43.12 | 38.48 | 4.94 | 32.81 | PEAK |
| 2 | 11644.800 | 78.32 | -5.22 | 83.54 | 64.75 | 39.56 | 6.57 | 32.57 | PEAK |
| 3 @ | 11644.800 | 59.79 | -3.75 | 63.54 | 46.22 | 39.56 | 6.57 | 32.57 | Average |
| 4 | 17462.900 | 71.38 | | | 47.04 | 45.08 | 7.84 | 28.57 | PEAK |
| | | | | | | | | | |

Note: An item 1 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
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| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|---|-----------|--------|-------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | i e |
| 1 | 7768.000 | 53.05 | | | 43.74 | 37.57 | 4.63 | 32.89 | PEAK |
| 2 | 11644.000 | 56.89 | -6.65 | 63.54 | 43.32 | 39.56 | 6.57 | 32.57 | Average |
| 3 | 11644.000 | 76.30 | -7.24 | 83.54 | 62.73 | 39.56 | 6.57 | 32.57 | PEAK |
| 4 | 17458.900 | 70.52 | | | 46.18 | 45.08 | 7.84 | 28.57 | PERK |

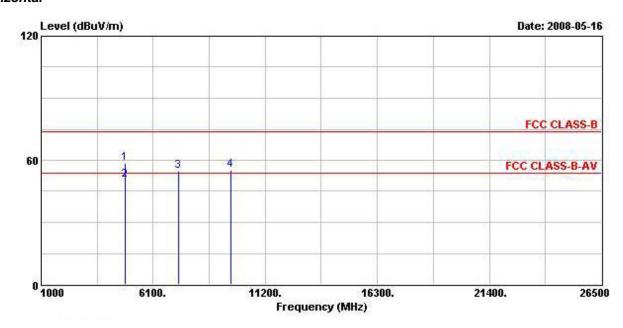
Note: An item 1 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
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 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

| Test date | May 16, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|--------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11b CH 1 |



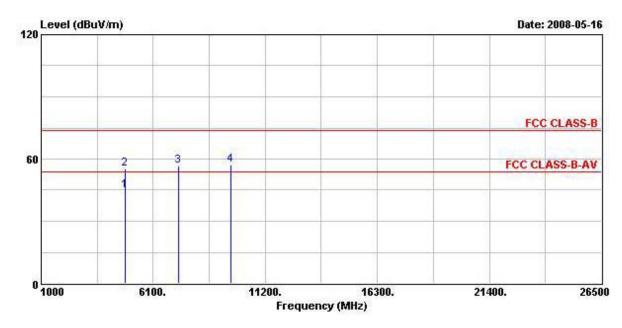
| | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|----------|---|--|--------------------------------------|--|---|---|---|--|
| Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | - |
| 4824.170 | 58.38 | -15.62 | 74.00 | 53.77 | 33.06 | 4.03 | 32.47 | PEAK |
| 4824.170 | 50.38 | -3.62 | 54.00 | 45.77 | 33.06 | 4.03 | 32.47 | Average |
| 7237.900 | 54.53 | | | 47.90 | 35.78 | 3.67 | 32.82 | PEAK |
| 9648.060 | 55.27 | | | 44.60 | 38.41 | 5.21 | 32.95 | PEAK |
| | MHz 4824.170 4824.170 7237.900 | MHz dBuV/m 4824.170 58.38 4824.170 50.38 7237.900 54.53 | ### Hevel Limit MHz dBuV/m dB | ### Freq Level Limit Line MHz dBuV/m dB dBuV/m | Hreq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 4824.170 58.38 -15.62 74.00 53.77 4824.170 50.38 -3.62 54.00 45.77 7237.900 54.53 47.90 | Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 4824.170 58.38 -15.62 74.00 53.77 33.06 4824.170 50.38 -3.62 54.00 45.77 33.06 7237.900 54.53 47.90 35.78 | Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB/m dB 4824.170 58.38 -15.62 74.00 53.77 33.06 4.03 4824.170 50.38 -3.62 54.00 45.77 33.06 4.03 7237.900 54.53 47.90 35.78 3.67 | Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 4824.170 58.38 -15.62 74.00 53.77 33.06 4.03 32.47 4824.170 50.38 -3.62 54.00 45.77 33.06 4.03 32.47 7237.900 54.53 47.90 35.78 3.67 32.82 |

Note: An item 3 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|--------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dВ | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 @ | 4823.990 | 44.66 | -9.34 | 54.00 | 40.05 | 33.06 | 4.03 | 32.47 | Average |
| 2 | 4823.990 | 55.22 | -18 78 | 74 00 | 50.61 | 33.06 | 4.03 | 32.47 | PEAK |
| 3 | 7235.900 | 56.61 | | | 49.98 | 35.78 | 3.67 | 32.82 | PEAK |
| 4 | 9647.960 | 56.97 | | | 46.30 | 38.41 | 5.21 | 32.95 | PEAK |

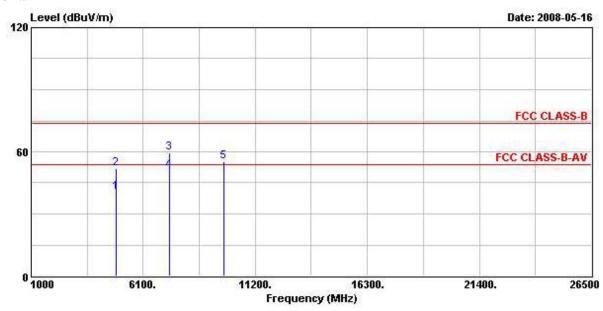
Note: An item 3 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
 Issued Date : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

| Test date | May 16, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|--------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11b CH 6 |



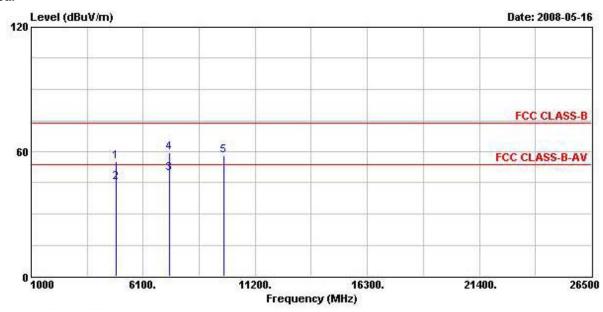
| | Freq | Level | Over Limit | | | Antenna Factor | | Preamp Factor | Remark |
|-----|----------|--------|---------------|--------|-------|-------------------|------|------------------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | Si . |
| 1 | 4873.700 | 40.60 | -13.40 | 54.00 | 35.88 | 33.16 | 4.02 | 32.47 | Average |
| 2 | 4873.700 | 51.91 | -22.09 | 74.00 | 47.20 | 33.16 | 4.02 | 32.47 | PEAK |
| 3 | 7311.200 | 59.45 | -14.55 | 74.00 | 52.44 | 35.94 | 3.91 | 32.85 | PEAK |
| 4 @ | 7311.200 | 51.15 | -2.85 | 54.00 | 44.14 | 35.94 | 3.91 | 32.85 | Average |
| 5 | 9748.200 | 55.44 | | | 44.43 | 38.62 | 5.31 | 32.92 | PEAK |

Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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| | | | 0ver | Limit | Readi | Antenna | Cable | Preamp | |
|--------|----------|--------|--------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | Mtz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | - |
| 1 | 4873.990 | 55.36 | -18.64 | 74.00 | 50.65 | 33.16 | 4.02 | 32.47 | PEAK |
| 2 @ | 4873.990 | 45.12 | -8.88 | 54.00 | 40.40 | 33.16 | 4.02 | 32.47 | Average |
| 3 @ | 7311.100 | 49.31 | -4.69 | 54.00 | 42.30 | 35.94 | 3.91 | 32.85 | Average |
| 4 5 | 7311.100 | 59.30 | -14.70 | 74.00 | 52.29 | 35.94 | 3.91 | 32.85 | PEAK |
| 5 | 9747.870 | 57.90 | | | 46.89 | 38.62 | 5.31 | 32.92 | PEAK |

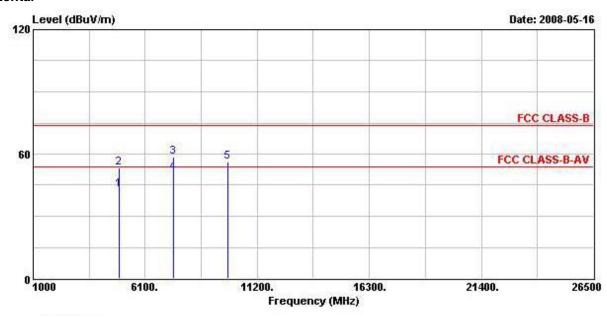
Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
 Issued Date : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

| Test date | May 16, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|---------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11b CH 11 |



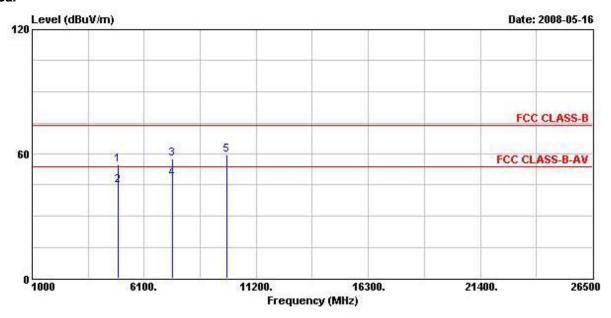
| | Freq | Level | Over Limit | | | Antenna Factor | | | Remark |
|-----|----------|--------|---------------|--------|-------|-------------------|------|-------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | 16 |
| 1 | 4924.000 | 42.80 | -11.20 | 54.00 | 37.99 | 33.26 | 4.02 | 32.46 | Average |
| 2 | 4924.000 | 53.50 | -20.50 | 74.00 | 48.68 | 33.26 | 4.02 | 32.46 | PEAK |
| 3 | 7387.100 | 58.70 | -15.30 | 74.00 | 51.29 | 36.15 | 4.16 | 32.90 | PEAK |
| 4 @ | 7387.100 | 50.73 | -3.27 | 54.00 | 43.32 | 36.15 | 4.16 | 32.90 | Average |
| 5 | 9848.140 | 56.37 | | | 45.01 | 38.79 | 5.47 | 32.89 | PEAK |

Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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| | Freq | Level | Over Limit | | | Antenna Factor | | | |
|-----|----------|--------|---------------|--------|-------|-------------------|------|-------|---------|
| | | | | | | | | | |
| | MHz | dBuV/m | qB | dBuV/m | dBuV | dB/m | dB | dВ | |
| 1 | 4924.000 | 54.99 | -19.01 | 74.00 | 50.18 | 33.26 | 4.02 | 32.46 | PEAK |
| 2 @ | 4924.000 | 44.74 | -9.26 | 54.00 | 39.93 | 33.26 | 4.02 | 32.46 | Average |
| 3 | 7385.900 | 57.65 | -16.35 | 74.00 | 50.24 | 36.15 | 4.16 | 32.90 | PEAK |
| 4 @ | 7385.900 | 48.27 | -5.73 | 54.00 | 40.86 | 36.15 | 4.16 | 32.90 | Average |
| 5 | 9848.060 | 59.60 | | | 48.24 | 38.79 | 5.47 | 32.89 | PEAK |
| | | | | | | | | | |

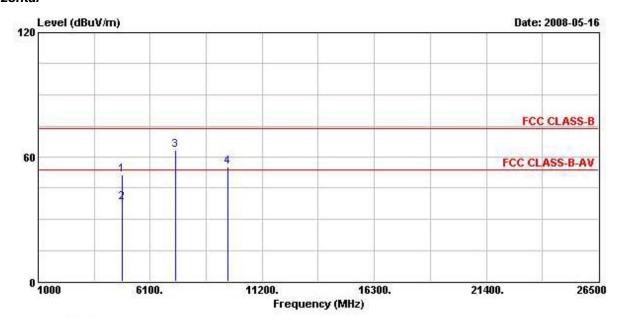
Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
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 FAX: 886-2-2696-2255
 FCC ID : TOR-SS300AT

| Test date | May 16, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|--------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11g CH 1 |



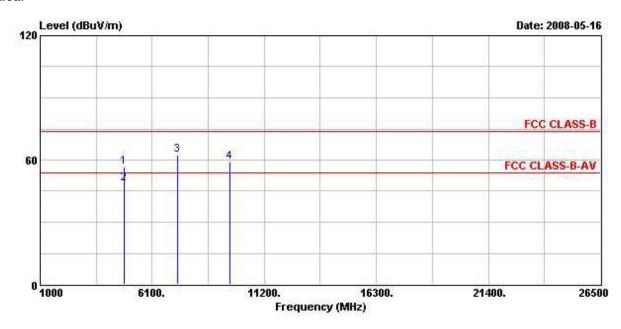
| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|---|----------|--------|--------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dВ | dB | |
| 1 | 4823.100 | 51.31 | -22.69 | 74.00 | 46.70 | 33.06 | 4.03 | 32.47 | PEAK |
| 2 | 4823.100 | 38.15 | -15.85 | 54.00 | 33.54 | 33.06 | 4.03 | 32.47 | Average |
| 3 | 7231.100 | 63.23 | | | 56.58 | 35.78 | 3.67 | 32.80 | PEAK |
| 4 | 9652.400 | 55.41 | | | 44.74 | 38.41 | 5.21 | 32.95 | PEAK |
| | | | | | | | | | |

Note: An item 3 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|--------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 | 4822.900 | 56.63 | -17.37 | 74.00 | 52.02 | 33.06 | 4.03 | 32.47 | PEAK |
| 2 @ | 4822.900 | 48.40 | -5.60 | 54.00 | 43.79 | 33.06 | 4.03 | 32.47 | Average |
| 3 | 7239.200 | 62.56 | | | 55.93 | 35.78 | 3.67 | 32.82 | PEAK |
| 4 | 9650.900 | 58.83 | | | 48.16 | 38.41 | 5.21 | 32.95 | PEAK |

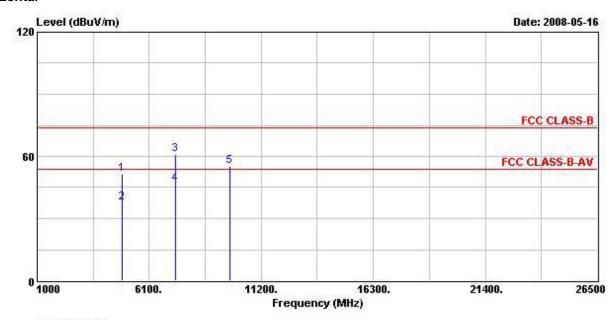
Note: An item 3 and 4 are on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
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 FAX: 886-2-2696-2255
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| Test date | May 16, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|--------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11g CH 6 |



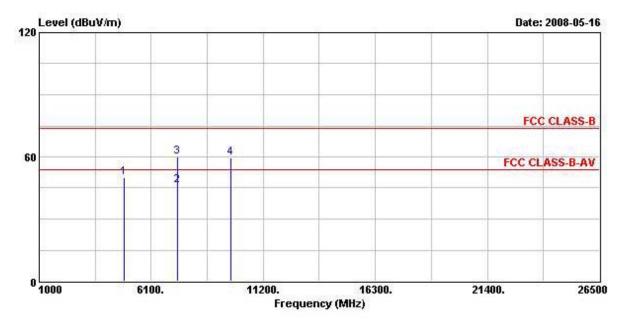
| | Freq | Level | Over Limit | | | Antenna Factor | | | |
|-----|----------|--------------------------------|---------------|-------|----------|-------------------|------|-------|---------|
| | MHz | MHz dBuV/m dB dBuV/m dBuV dB/m | dB | - dB | <u> </u> | | | | |
| 1 | 4872.800 | 51.21 | -22.79 | 74.00 | 46.49 | 33.16 | 4.02 | 32.47 | PEAK |
| 2 | 4872.800 | 37.40 | -16.60 | 54.00 | 32.68 | 33.16 | 4.02 | 32.47 | Average |
| 3 | 7314.100 | 60.84 | -13.16 | 74.00 | 53.85 | 35.94 | 3.91 | 32.87 | PEAK |
| 4 @ | 7314.100 | 46.48 | -7.52 | 54.00 | 39.49 | 35.94 | 3.91 | 32.87 | Average |
| 5 | 9755.100 | 55.46 | | | 44.40 | 38.62 | 5.36 | 32.92 | PEAK |

Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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| | | | 0ver | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|--------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | Š. |
| 1 @ | 4870.400 | 49.83 | -4.17 | 54.00 | 45.12 | 33.16 | 4.02 | 32.47 | PK |
| 2 @ | 7309.300 | 46.30 | -7.70 | 54.00 | 39.29 | 35.94 | 3.91 | 32.85 | Average |
| 3 | 7309.300 | 59.97 | -14.03 | 74.00 | 52.96 | 35.94 | 3.91 | 32.85 | PEAK |
| 4 | 9743.800 | 59.74 | | | 48.77 | 38.58 | 5.31 | 32.92 | PEAK |

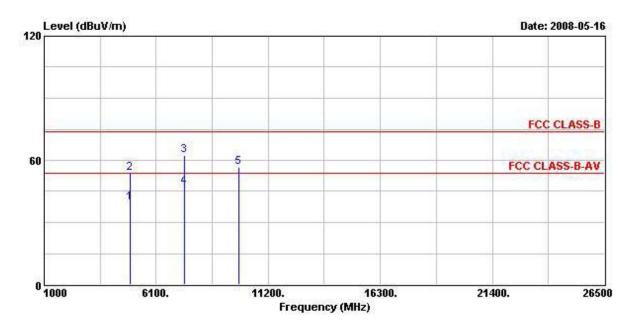
Note: An item 4 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 Issued Date
 : Oct. 13, 2008

 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

| Test date | May 16, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|---------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11g CH 11 |



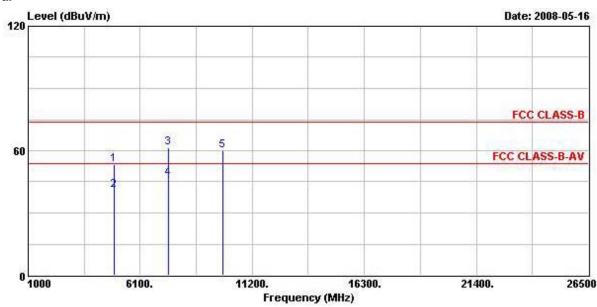
| | | | Over | Limit | Read | Antenna | Cable | Preamp | |
|--------|----------|--------|--------|--------|-------|-------------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor dB/m | Loss | Factor | Remark |
| | MKz | dBuV/m | dB | dBuV/m | dBuV | | dB | dВ | |
| 1 | 4924.800 | 39.65 | -14.35 | 54.00 | 34.84 | 33.26 | 4.02 | 32.46 | Average |
| 2 3 | 4924.800 | 53.61 | -20.39 | 74.00 | 48.79 | 33.26 | 4.02 | 32.46 | PEAK |
| 3 | 7389.100 | 62.46 | -11.54 | 74.00 | 55.07 | 36.15 | 4.16 | 32.92 | PERK |
| 4 @ | 7389.100 | 47.34 | -6.66 | 54.00 | 39.95 | 36.15 | 4.16 | 32.92 | Average |
| 5 | 9844.000 | 56.61 | | | 45.25 | 38.79 | 5.47 | 32.89 | PEAK |

Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

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 TEL: 886-2-2696-2468
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| | Freq | Level | | | | Antenna Factor | | | |
|-----|----------|--------|--------|--------|-------|-------------------|------|-------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | - |
| 1 | 4922.400 | 53.52 | -20.48 | 74.00 | 48.70 | 33.26 | 4.02 | 32.46 | PEAK |
| 2 | 4922.400 | 40.74 | -13.26 | 54.00 | 35.93 | 33.26 | 4.02 | 32.46 | Average |
| 3 | 7383.300 | 61.64 | -12.36 | 74.00 | 54.28 | 36.11 | 4.16 | 32.90 | PEAK |
| 4 @ | 7383.300 | 46.62 | -7.38 | 54.00 | 39.25 | 36.11 | 4.16 | 32.90 | Average |
| 5 | 9846.800 | 59.84 | | | 48.47 | 38.79 | 5.47 | 32.89 | PEAK |

Note: An item 5 is on un-restricted band, so the limit is -20dB for the field strength of the fundamental emissions (see section 3.6.7).

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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3.6 Band Edge and Fundamental Emissions Measurement

3.6.1 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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| Frequencies | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (micorvolts/meter) | (meters) |
| 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 |

3.6.2 Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter | Setting |
|---|--|
| Attenuation | Auto |
| Span Frequency | 100 MHz |
| RB / VB (Emission in restricted band) | 1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average |
| RB / VB (Emission in non-restricted band) | 100 KHz /100 KHz for Peak |

3.6.3 Test Procedures

- 1. The test procedure is the same as section 3.5.3; only the frequency range investigated is limited to 100MHz around bandedges.
- 2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

3.6.4 Test Setup Layout

This test setup layout is the same as that shown in section 3.5.4.

3.6.5 Test Deviation

There is no deviation with the original standard.

3.6.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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3.6.7 Test Result of Band Edge and Fundamental Emissions

| Test date | May 26, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|---------------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11b CH 1, 6, 11 |

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Channel 1

| | Freq | | 0ver | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|---------|---------------|-------|---------|-------|--------|---------|
| | | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MKz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 | 2385.810 | 63.76 | -10.24 | 74.00 | 33.28 | 28.29 | 2.19 | 0.00 | Peak |
| 2 @ | 2412.220 | 114.37 | 1200000 | A UNION TATES | 83.86 | 28.33 | 2.19 | 0.00 | Peak |
| 1 @ | 2386.570 | 52.96 | -1.04 | 54.00 | 22.48 | 28.29 | 2.19 | 0.00 | Average |
| 2 @ | 2412.220 | 107.26 | | | 76.75 | 28.33 | 2.19 | 0.00 | Average |

An item 2 is Fundamental Emissions.

Channel 6

| | | | 0ver | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|--------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | | Remark |
| | MKz | dBuV/m | dB | dBuV/m | dBuV | dB/m | | | |
| 1 | 2389.610 | 59.63 | -14.37 | 74.00 | 29.15 | 28.29 | 2.19 | 0.00 | Peak |
| 2 @ | 2436.730 | 115.71 | | | 85.10 | 28.40 | 2.22 | 0.00 | Peak |
| 3 | 2486.130 | 57.91 | -16.09 | 74.00 | 27.20 | 28.47 | 2.25 | 0.00 | Peak |
| 1 @ | 2388.090 | 48.63 | -5.37 | 54.00 | 18.15 | 28.29 | 2.19 | 0.00 | Average |
| 2 @ | 2436.730 | 108.47 | | | 77.86 | 28.40 | 2.22 | 0.00 | Average |
| 3 @ | 2483.850 | 47.07 | -6.93 | 54.00 | 16.36 | 28.47 | 2.25 | 0.00 | Average |

An item 2 is Fundamental Emissions.

Channel 11

| | | | 0ver | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|--------|--------|-------|-----------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor Lo | Loss | Factor | Remark |
| | MKz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 0 | 2460.860 | 115.86 | | | 85.21 | 28.43 | 2.22 | 0.00 | Peak |
| 2 | 2483.500 | 61.96 | -12.04 | 74.00 | 31.25 | 28.47 | 2.25 | 0.00 | Peak |
| 1 @ | 2460.860 | 108.58 | | | 77.93 | 28.43 | 2.22 | 0.00 | Average |
| 2 @ | 2483.500 | 51.27 | -2.73 | 54.00 | 20.56 | 28.47 | 2.25 | 0.00 | Average |

An item 1 is Fundamental Emissions.

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| Test date | May 27, 2008 | Test Site No. | 03CH03-HY |
|---------------|--------------|---------------|---------------------|
| Temperature | 26°C | Humidity | 54% |
| Test Engineer | Duncan | Configuration | 802.11g CH 1, 6, 11 |

Channel 1

| | | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|---|----------|--------|-------|--------|-------|---------|-------|--------|---------|
| | | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | | MKz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 6 | 9 | 2390.000 | 68.47 | -5.53 | 74.00 | 37.99 | 28.29 | 2.19 | 0.00 | Peak |
| 2 6 | 9 | 2414.690 | 110.70 | | | 80.19 | 28.33 | 2.19 | 0.00 | Peak |
| 1 6 | 9 | 2390.000 | 52.50 | -1.50 | 54.00 | 22.02 | 28.29 | 2.19 | 0.00 | Average |
| 2 6 | 3 | 2414.690 | 100.64 | | | 70.13 | 28.33 | 2.19 | 0.00 | Average |

An item 2 is Fundamental Emissions.

Channel 6

| | Freq | Level | Over Limit | Limit Line | | Antenna Factor | | Preamp Factor | Remark |
|-----|----------|--------|---------------|---------------|-------|-------------------|------|------------------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | |
| 1 @ | 2390.000 | 68.31 | -5.69 | 74.00 | 37.83 | 28.29 | 2.19 | 0.00 | Peak |
| 2 @ | 2430.650 | 115.00 | | | 84.42 | 28.36 | 2.22 | 0.00 | Peak |
| 3 | 2484.420 | 63.03 | -10.97 | 74.00 | 32.32 | 28.47 | 2.25 | 0.00 | Peak |
| 1 @ | 2390.000 | 52.79 | -1.21 | 54.00 | 22.31 | 28.29 | 2.19 | 0.00 | Average |
| 2 @ | 2430.650 | 105.55 | | | 74.97 | 28.36 | 2.22 | 0.00 | Average |
| 3 @ | 2483.660 | 49.07 | -4.93 | 54.00 | 18.36 | 28.47 | 2.25 | 0.00 | Average |

An item 2 is Fundamental Emissions.

Channel 11

| | | | Over | Limit | Readi | Antenna | Cable | Preamp | |
|-----|----------|--------|-------|--------|-------|---------|-------|--------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Factor | Remark |
| | MKz | dBuV/m | dB | dBuV/m | dBuV | dB/m | αв | dB | |
| 1 0 | 2461.810 | 110.19 | | | 79.54 | 28.43 | 2.22 | 0.00 | Peak |
| 2 @ | 2483.660 | 72.04 | -1.96 | 74.00 | 41.33 | 28.47 | 2.25 | 0.00 | Peak |
| 1 @ | 2461.810 | 100.36 | | | 69.71 | 28.43 | 2.22 | 0.00 | Average |
| 2 @ | 2483.470 | 52.31 | -1.69 | 54.00 | 21.60 | 28.47 | 2.25 | 0.00 | Average |

An item 1 is Fundamental Emissions.

Note:

Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$.

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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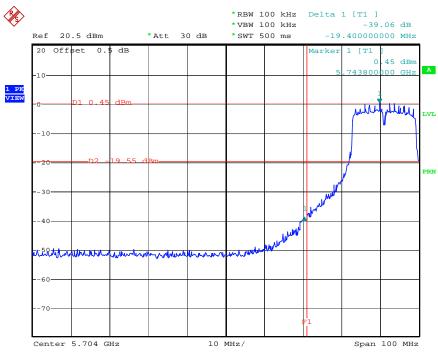
 TEL: 886-2-2696-2468
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 FAX: 886-2-2696-2255
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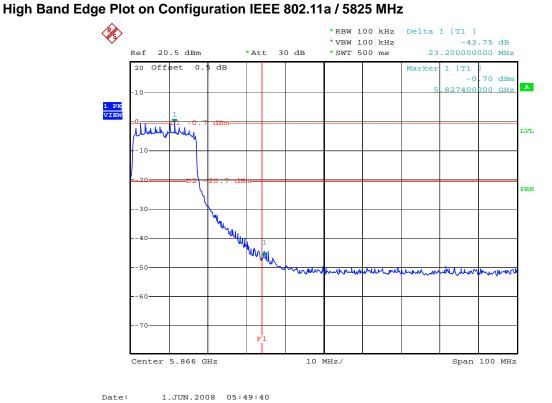
FAX: 886-2-2696-2255

For Emission not in Restricted Band

Low Band Edge Plot on Configuration IEEE 802.11a / 5745 MHz



Date: 1.JUN.2008 05:56:09



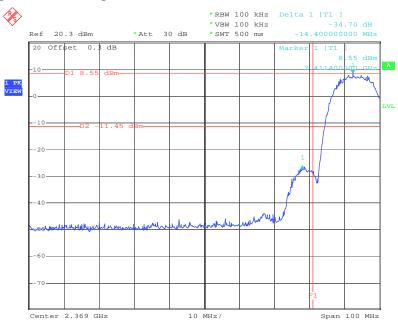
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FCC ID

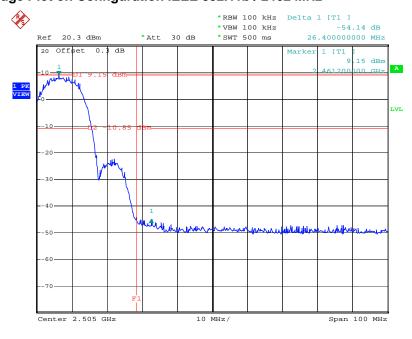
: TOR-SS300AT

Low Band Edge Plot on Configuration IEEE 802.11b / 2412 MHz



Date: 27.MAY.2008 18:01:56

High Band Edge Plot on Configuration IEEE 802.11b / 2462 MHz



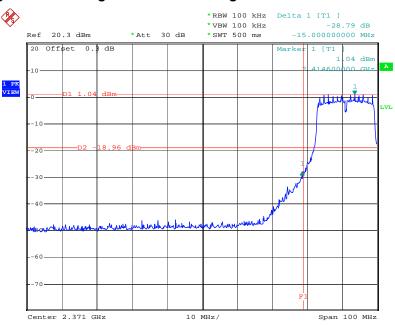
Date: 27.MAY.2008 18:25:27

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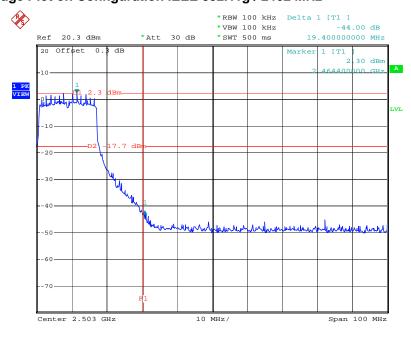
 FAX: 886-2-2696-2255
 FCC ID
 : TOR-SS300AT

Low Band Edge Plot on Configuration IEEE 802.11g / 2412 MHz



Date: 28.MAY.2008 10:22:31

High Band Edge Plot on Configuration IEEE 802.11g / 2462 MHz



Date: 27.MAY.2008 18:58:40

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3.7 Antenna Requirements

3.7.1 Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. 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 shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

3.7.2 Antenna Connector Construction

Please refer to section 2.3 in this test report; antenna connector complied with the requirements.

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4 LIST OF MEASURING EQUIPMENTS

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|--------------|-----------------------|-----------|------------|------------------|---------------------|-------------------------|
| Receiver | R&S | ESCS 30 | 836858/024 | 9 kHz - 2.75 GHz | Sep. 11, 2007 | Conduction (CO01-LK) |
| LISN | SCHAFFNER | NNB-41 | 98087 | 9 kHz - 30 MHz | Sep. 21, 2007 | Conduction (CO01-LK) |
| RF Cable-CON | Suhner Switzerland | RG223/U | CB017 | 9 kHz - 30 MHz | Nov. 30, 2007 | Conduction (CO01-LK) |

Note: Calibration Interval of instruments listed above is one year.

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|----------------------------|--------------|-----------|------------|-----------------|---------------------|------------------------|
| Spectrum Analyzer | R&S | FSP30 | 100023 | 9kHz ~ 30GHz | Jan. 10, 2008 | Conducted (TH01-HY) |
| Power Meter | R&S | NRVS | 100444 | DC ~ 40GHz | Jun. 27, 2007 | Conducted (TH01-HY) |
| Power Sensor | R&S | NRV-Z51 | 100458 | DC ~ 30GHz | Jun. 27, 2007 | Conducted (TH01-HY) |
| Power Sensor | R&S | NRV-Z32 | 100057 | 30MHz ~ 6GHz | Jun. 27, 2007 | Conducted (TH01-HY) |
| DC Power Source | G.W. | GPC-6030D | C671845 | DC 1V ~ 60V | Mar. 13, 2008 | Conducted (TH01-HY) |
| Temp. and Humidity Chamber | KSON | THS-C3L | 612 | N/A | Oct. 01, 2007 | Conducted (TH01-HY) |
| RF CABLE-1m | Jye Bao | RG142 | CB034-1m | 20MHz ~ 7GHz | Dec. 01, 2007 | Conducted (TH01-HY) |
| RF CABLE-2m | Jye Bao | RG142 | CB035-2m | 20MHz ~ 1GHz | Dec. 01, 2007 | Conducted (TH01-HY) |
| Vector Signal Generator | R&S | SMU200A | 102098 | 100kHz ~ 6GHz | Nov. 14, 2007 | Conducted (TH01-HY) |
| Signal Generator | R&S | SMR40 | 100116 | 10MHz ~ 40GHz | Mar. 10, 2008 | Conducted (TH01-HY) |

Note: Calibration Interval of instruments listed above is one year.

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| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|-----------------------------|----------------|--------------|-------------|----------------------|---------------------|--------------------------|
| 3m Semi Anechoic Chamber | SIDT FRANKONIA | SAC-3M | 03CH03-HY | 30 MHz - 1 GHz 3m | Jun. 14, 2007 | Radiation (03CH03-HY) |
| Amplifier | SCHAFFNER | COA9231A | 18667 | 9 kHz - 2 GHz | Jan. 14, 2008 | Radiation (03CH03-HY) |
| Amplifier | Agilent | 8449B | 3008A02120 | 1 GHz - 26.5 GHz | Jun. 07, 2007 | Radiation (03CH03-HY) |
| Spectrum Analyzer | R&S | FSP40 | 100305 | 9 kHz - 40 GHz | Sep. 27, 2007 | Radiation (03CH03-HY) |
| Bilog Antenna | SCHAFFNER | CBL 6112D | 22237 | 30 MHz – 1 GHz | Jul. 21, 2007 | Radiation (03CH03-HY) |
| Horn Antenna | EMCO | 3115 | 6741 | 1GHz ~ 18GHz | Mar. 04, 2008 | Radiation (03CH03-HY) |
| Horn Antenna | SCHWARZBECK | BBHA9170 | BBHA9170154 | 15 GHz - 40 GHz | Jan.18, 2008 | Radiation (03CH03-HY) |
| RF Cable-R03m | Jye Bao | RG142 | CB021 | 30 MHz - 1 GHz | Dec. 03, 2007 | Radiation (03CH03-HY) |
| RF Cable-HIGH | SUHNER | SUCOFLEX 106 | 03CH03-HY | 1 GHz - 40 GHz | Dec. 03, 2007 | Radiation (03CH03-HY) |
| Turn Table | HD | DS 420 | 420/650/00 | 0 – 360 degree | N/A | Radiation (03CH03-HY) |
| Antenna Mast | HD | MA 240 | 240/560/00 | 1 m - 4 m | N/A | Radiation (03CH03-HY) |

Note: Calibration Interval of instruments listed above is one year.

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|-----------------|--------------|---------------|-------------|-------------------|---------------------|--------------------------|
| AC Power Source | HPC | HPA-500W | HPA-9100024 | AC 0 ~ 300V | May 04, 2007* | Conducted (TH01-HY) |
| Amplifier | MITEQ | AMF-6F-260400 | 9121372 | 26.5 GHz - 40 GHz | Jan. 22, 2007* | Radiation (03CH03-HY) |
| Loop Antenna | R&S | HFH2-Z2 | 860004/001 | 9 kHz - 30 MHz | May 22, 2008* | Radiation (03CH03-HY) |

Note: Calibration Interval of instruments listed above is two year.

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5 TEST LOCATION

| SHIJR | ADD | : | 6FI., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. |
|--------|-----|---|--|
| | TEL | : | 886-2-2696-2468 |
| | FAX | : | 886-2-2696-2255 |
| HWA YA | ADD | : | No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. |
| | TEL | : | 886-3-327-3456 |
| | FAX | : | 886-3-318-0055 |
| LINKOU | ADD | : | No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C |
| | TEL | : | 886-2-2601-1640 |
| | FAX | : | 886-2-2601-1695 |
| DUNGHU | ADD | : | No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. |
| | TEL | : | 886-2-2631-4739 |
| | FAX | : | 886-2-2631-9740 |
| JUNGHE | ADD | : | 7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. |
| | TEL | : | 886-2-8227-2020 |
| | FAX | : | 886-2-8227-2626 |
| NEIHU | ADD | : | 4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. |
| | TEL | : | 886-2-2794-8886 |
| | FAX | : | 886-2-2794-9777 |
| JHUBEI | ADD | : | No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. |
| | TEL | : | 886-3-656-9065 |
| | FAX | : | 886-3-656-9085 |

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TAF CERTIFICATE OF ACCREDITATION



Certificate No. : L1190-070110

財團法人全國認證基金會 Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.

EMC & Wireless Communications Laboratory

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria

: ISO/IEC 17025:2005

Accreditation Number

: 1190

Originally Accredited

December 15, 2003

Effective Period

January 10, 2007 to January 09, 2010

Accredited Scope

: Testing Field, see described in the Appendix

Specific Accreditation

Accreditation Program for Designated Testing Laboratory for Commodities Inspection

Program

Accreditation Program for Telecommunication Equipment

Testing Laboratory

Jay-San Chen

President, Taiwan Accreditation Foundation

Date ! January 10, 2007

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The Appendix forms an integral part of this Certificate, which shall be invalid when used without the Appendix,

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