

FCC TEST REPORT

REPORT NO.: F930720A09-ID

MODEL NO.: LT2021

RECEIVED: July 20, 2004

TESTED: Aug. 3, 2004

APPLICANT: Norcent Technology Inc.

ADDRESS: 550 Cliffside Dr, San Dimas, CA91773, USA

ISSUED BY: Advance Data Technology Corporation

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0528
ILAC MRA



Lab Code: 200102-0



No. 2177-01

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1 CERTIFICATION

PRODUCT: 20" TV MONITOR
BRAND NAME: NORCENT
MODEL NO.: LT2021
TEST ITEM: R&D SAMPLE
APPLICANT: TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.
STANDARDS: FCC Part 15, Subpart B, Class B
ANSI C63.4-2001
ICES-003: 2004, Class B

The above equipment has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Jessica Cheng , **DATE:** Aug. 4, 2004
(Jessica Cheng)

TECHNICAL
ACCEPTANCE : Henry Lai , **DATE:** Aug. 4, 2004
Responsible for EMI (Henry Lai)

APPROVED BY : Mike Su , **DATE:** Aug. 4, 2004
(Mike Su, Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| Standard | Test Type | Result | Remarks |
|--|----------------|--------|--|
| FCC Part 15, Subpart B, Class B ICES-003: 2004, Class B | Conducted Test | PASS | Meets Class B Limit Minimum passing margin is -4.70 dB at 529.28 MHz |
| | Radiated Test | PASS | Meets Class B Limit Minimum passing margin is -2.22 dB at 29.958 MHz |

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

| Measurement | Value |
|---------------------|--------|
| Conducted emissions | 2.46dB |
| Radiated emissions | 3.82dB |

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| | |
|---------------------|---|
| PRODUCT | 20" TV MONITOR |
| MODEL NO. | LT2021 |
| POWER SUPPLY | Switching Power Input: 100~ 240Vac, 1.5A, 50/60Hz. Non-shielded cable AC 3-pin (1.8m) |
| DATA CABLE | VGA shielded cable, (1.8m) with two ferrite cores. |

NOTE:

1. The EUT is a 20" TV MONITOR with built-in TV tuner and optional D-Sub function. It has AV1, AV2 input, S-VIDEO input and component input connectors. This report covers EUT monitor function only.
2. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3.2 DESCRIPTION OF TEST MODES

The was pre-tested under following modes:

| SIGNAL INPUT | RESOLUTION |
|--------------|------------------------------|
| D-SUB | 640 x 480 (75Hz / 37.5KHz) |
| | 640 x 480 (60Hz / 31.5KHz) |

Since the worst emission levels was found under resolution **640 x 480 (75Hz / 37.5KHz)** therefore only this test data with the mode was recorded in the report.



3.3 DESCRIPTION OF SUPPORT UNITS

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

| NO. | PRODUCT | BRAND | MODEL NO. | SERIAL NO. | FCC ID |
|-----|-------------------------|---------|-----------|----------------------|------------------|
| 1 | PERSONAL COMPUTER | DELL | 4600 | 5YLH91S | FCC DoC Approved |
| 2 | PRINTER | EPSON | LQ-300+ | DCGY017081 | FCC DoC Approved |
| 3 | SPEAKER | SANYO | SYSP-802 | SP07500040301200 | N/A |
| 4 | PS/2 KEYBOARD | BTC | 5200T | F24800252 | E5XKB5122WTH0110 |
| 5 | PS/2 MOUSE | BTC | M851 | M4-010348 | E5XMSM860 |
| 6 | DVD player | SONY | DVP-NS530 | 1003693 | Verification |
| 7 | VIDEO/AUDIO DISTRIBUTOR | PX | AV-004 | V4-010016 | FCC DoC Approved |
| 8 | VGA DISPLAY CARD | NVIDIA | P162 | CN08Y485698613CU0681 | FCC DoC Approved |
| 9 | EARPHONE | PHILIPS | SBC HL145 | H2-010082 | N/A |
| 10 | MODEM | ACEEX | 1414 | 980020538 | IFAXDM1414 |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|-----|---|
| 1 | N/A |
| 2 | 1.2m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core |
| 3 | 1.4 m wrapped shielded wire, terminated via drain wire, with 3.5 mm phone plug, w/o core. |
| 4 | 1.6 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core. |
| 5 | 1.5 m Non shielded wire, terminated with PS/2 connector via drain wire, w/o core. |
| 6 | 1.8m Non-Shielded AV cable x1. 1.8m Non-Shielded Audio cable x1. 1.8m Non-Shielded Component cable x1. |
| 7 | 1.8m Non-Shielded AV cable x2. 1.8m Non-Shielded Audio cable x2. |
| 8 | N/A |
| 9 | 1.2 m wrapped shielded wire, terminated with 3.5mm phone plug via drain wire, w/o core. |
| 10 | 1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core. |

NOTE: 1. All power cords of the above support units are non-shielded (1.8m).
 2. A RF cable (1.8m) was connected to the tuner port of EUT to form an open loop cable. It was terminated with a 75 ohm resistor load.
 3. Support unit 8 was installed in support unit 1.
 4. One Audio cable (1.8m) was connected from the EUT to support unit 1.

4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | |
|-----------------|----------------|---------|----------------|---------|
| | Quasi-peak | Average | Quasi-peak | Average |
| 0.15 - 0.5 | 79 | 66 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 73 | 60 | 56 | 46 |
| 5.0 - 30.0 | 73 | 60 | 60 | 50 |

NOTES: (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

(3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATED UNTIL |
|--|-----------------|--------------|------------------|
| ROHDE & SCHWARZ Test Receiver | ESHS30 | 828109/007 | June 06, 2005 |
| ROHDE & SCHWARZ Artificial Mains Network (for EUT) | ESH3-Z5 | 839135/006 | June 15, 2005 |
| LISN With Adapter (for EUT) | AD10 | C02Ada-001 | June.15, 2005 |
| FCC ISN | FCC-TLISN-T2-02 | 20117 | Oct. 13, 2004 |
| FCC ISN | FCC-TLISN-T4-02 | 20116 | Oct. 13, 2004 |
| FCC ISN | FCC-TLISN-T8-02 | 20096 | Oct. 13, 2004 |
| EMCO-L.I.S.N. (for peripheral) | 3825/2 | 9204-1964 | June 11, 2005 |
| Software | ADT_Conc_V7.3.1 | NA | NA |
| Software | ADT_ISN_V7.3.1 | NA | NA |
| RF cable (JYEBAO) | 5D-FB | Cable-C02.01 | May 9, 2005 |
| HP Terminator (For EMCO LISN) | 11593A | E1-01-298 | Feb. 1, 2005 |
| HP Terminator (For EMCO LISN) | 11593A | E1-01-299 | Feb. 1, 2005 |

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. “*”: These equipment are used for conducted telecom port test only (if tested).
 3. The test was performed in ADT Shielded Room No. 2.
 4. The VCCI Site Registration No. C-240.

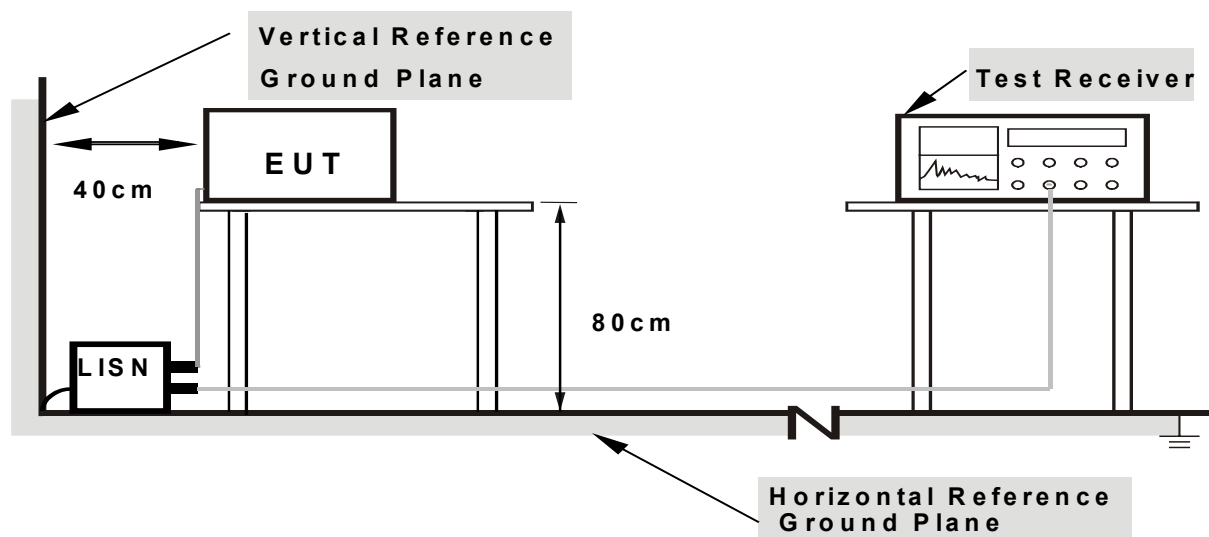
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.



4.1.6 EUT OPERATING CONDITIONS

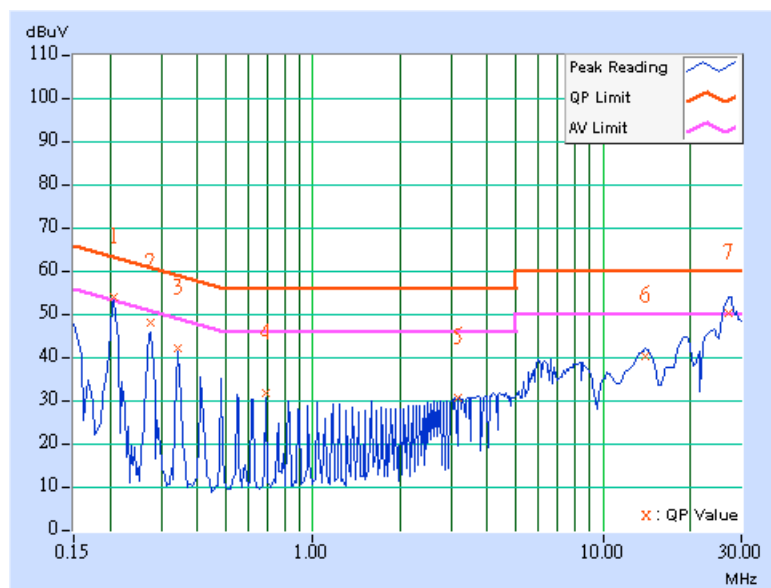
- a. Turned on the power of all equipment.
- b. PC ran a test program to enable all functions.
- c. PC read and wrote messages from FDD and HDD.
- d. PC sent "H" messages to 20" TV MONITOR (EUT) and monitor displayed "H" patterns on screen.
- e. PC sent "H" messages to modem.
- f. PC sent "H" messages to printer, and the printer printed it out.
- g. PC sent 1KHz audio message to external speaker or earphone internal speaker via EUT.
- h. Steps c-h were repeated.

4.1.7 TEST RESULTS

| | | | |
|---------------------------------|------------------------------|---------------------------------|----------|
| EUT | 20" TV MONITOR | MODEL NO. | LT2021 |
| MODE | 640x480 (75Hz/ 37.5KHz) | 6dB BANDWIDTH | 9 kHz |
| INPUT POWER | 120Vac, 60 Hz | PHASE | Line (L) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 50% RH, 1043hPa | TESTED BY: Chin Wen Wang | |

| No | Freq. [MHz] | Corr. Factor (dB) | Reading Value | | Emission Level | | Limit | | Margin | |
|----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|-------|
| | | | [dB (uV)] | | [dB (uV)] | | [dB (uV)] | | (dB) | |
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.207 | 0.20 | 52.72 | - | 52.92 | - | 63.34 | 53.34 | -10.43 | - |
| 2 | 0.276 | 0.16 | 46.58 | - | 46.74 | - | 60.94 | 50.94 | -14.20 | - |
| 3 | 0.345 | 0.13 | 40.93 | - | 41.06 | - | 59.09 | 49.09 | -18.03 | - |
| 4 | 0.688 | 0.15 | 30.60 | - | 30.75 | - | 56.00 | 46.00 | -25.25 | - |
| 5 | 3.169 | 0.30 | 29.23 | - | 29.53 | - | 56.00 | 46.00 | -26.47 | - |
| 6 | 13.989 | 0.84 | 39.05 | - | 39.89 | - | 60.00 | 50.00 | -20.11 | - |
| 7 | 26.946 | 1.42 | 49.07 | 44.93 | 50.49 | 46.35 | 60.00 | 50.00 | -9.51 | -3.65 |

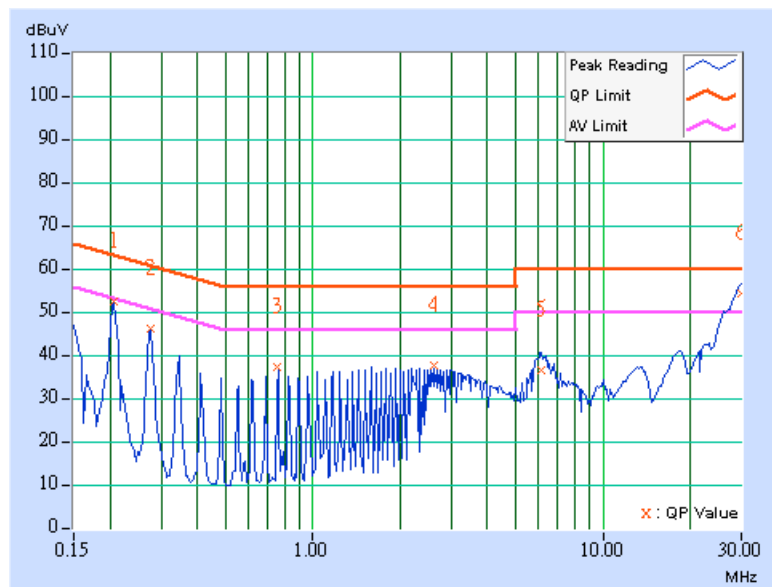
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



| | | | |
|---------------------------------|------------------------------|---------------------------------|-------------|
| EUT | 20" TV MONITOR | MODEL NO. | LT2021 |
| MODE | 640x480 (75Hz/ 37.5KHz) | 6dB BANDWIDTH | 9 kHz |
| INPUT POWER | 120Vac, 60 Hz | PHASE | Neutral (N) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 50% RH, 1043hPa | TESTED BY: Chin Wen Wang | |

| No | Freq. [MHz] | Corr. Factor (dB) | Reading Value | | Emission Level | | Limit | | Margin | |
|----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|-------|
| | | | [dB (uV)] | | [dB (uV)] | | [dB (uV)] | | (dB) | |
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.207 | 0.20 | 51.02 | - | 51.22 | - | 63.34 | 53.34 | -12.12 | - |
| 2 | 0.275 | 0.16 | 44.78 | - | 44.94 | - | 60.98 | 50.98 | -16.03 | - |
| 3 | 0.758 | 0.16 | 35.75 | - | 35.91 | - | 56.00 | 46.00 | -20.09 | - |
| 4 | 2.617 | 0.20 | 36.27 | - | 36.47 | - | 56.00 | 46.00 | -19.53 | - |
| 5 | 6.159 | 0.31 | 35.09 | - | 35.40 | - | 60.00 | 50.00 | -24.60 | - |
| 6 | 29.958 | 1.50 | 52.98 | 46.28 | 54.48 | 47.78 | 60.00 | 50.00 | -5.52 | -2.22 |

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT FOR FREQUENCY BELOW 1000 MHz

| FREQUENCY (MHz) | Class A (at 10m) | | Class B (at 3m) | |
|--------------------|------------------|--------|-----------------|--------|
| | uV/m | dBuV/m | uV/m | dBuV/m |
| 30 – 88 | 90 | 39.1 | 100 | 40.0 |
| 88 – 216 | 150 | 43.5 | 150 | 43.5 |
| 216 - 960 | 210 | 46.4 | 200 | 46.0 |
| Above 1000 | 300 | 49.5 | 500 | 54.0 |

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

| FREQUENCY (MHz) | Class A (dBuV/m) (at 3m) | | Class B (dBuV/m) (at 3m) | |
|-----------------|--------------------------|---------|--------------------------|---------|
| | PEAK | AVERAGE | PEAK | AVERAGE |
| Above 1000 | 80.0 | 60.0 | 74.0 | 54.0 |

- Note:** (1) The lower limit shall apply at the transition frequencies.
 (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
 (3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz) |
|---|---|
| Below 1.705 | 30 |
| 1.705 – 108 | 1000 |
| 108 – 500 | 2000 |
| 500 – 1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40 GHz, whichever is lower |



4.2.2 TEST INSTRUMENTS

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATED UNTIL |
|------------------------------------|--------------------|--------------------------|------------------|
| HP Spectrum Analyzer | 8594A | 3144A00308 | Aug. 18, 2004 |
| HP Preamplifier | 8447D | 2944A08119 | Jun. 30, 2005 |
| * HP Preamplifier | 8449B | 3008A01924 | Oct. 12, 2004 |
| * HP Preamplifier | 8449B | 3008A01638 | Oct. 17, 2004 |
| ROHDE & SCHWARZ TEST RECEIVER | ESCS 30 | 100276 | Oct. 22, 2004 |
| SCHWARZBECK Tunable Dipole Antenna | VHA 9103 | NA | Nov. 15, 2004 |
| SCHWARZBECK Tunable Dipole Antenna | UHA 9105 | 977 | |
| * ROHDE & SCHWARZ TEST RECEIVER | ESMI | 839013/007 839379/002 | Feb. 12, 2005 |
| * CHASE Bilog Antenna | CBL6112B | 2433 | July 16, 2005 |
| * EMCO Horn Antenna | 3115 | 6714 | Nov. 26, 2004 |
| * EMCO Horn Antenna | 3115 | 9312-4192 | Feb. 28, 2005 |
| * ADT. Turn Table | TT100 | 0302 | NA |
| * ADT. Tower | AT100 | 0302 | NA |
| * Software | ADT_Radiated_V5.14 | NA | NA |
| * ANRITSU RF Switches | MP59B | M35046 | Oct. 9, 2004 |
| * TIMES RF cable | 8D | CABLE-ST2-01 | Oct. 9, 2004 |

- NOTE:** 1. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.
2. "*" = These equipment are used for the final measurement.
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The test was performed in ADT Open Site No. 2.
5. The VCCI Site Registration No. R-237.



4.2.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

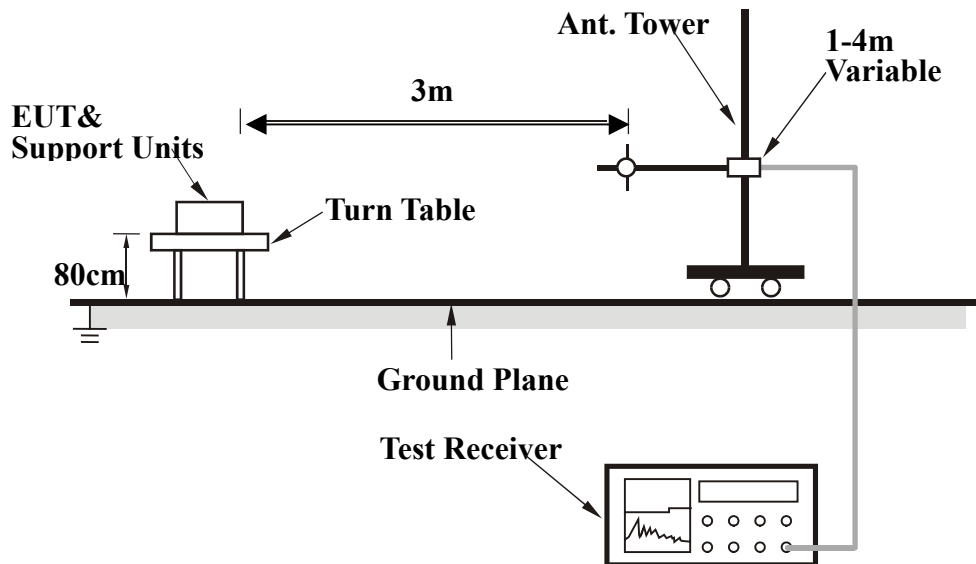
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 300 Hz for Average detection (AV) at frequency above 1GHz.
3. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference-receiving antenna.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

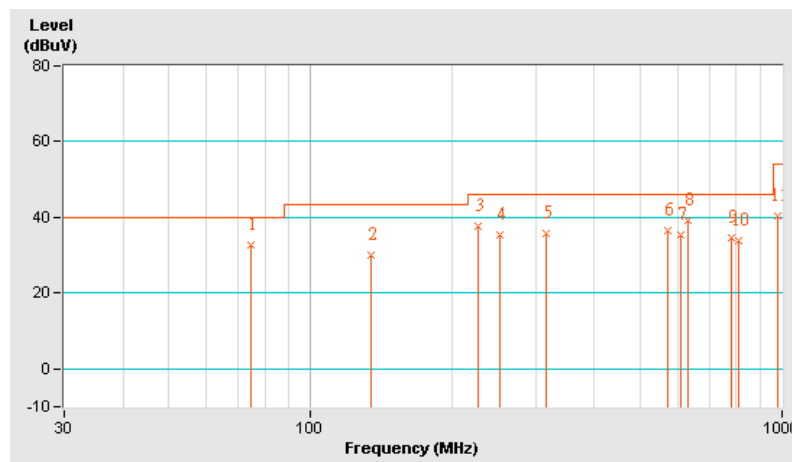
Same as item 4.1.6.

4.2.7 TEST RESULTS

| | | | |
|---------------------------------|---------------------------|--|--------------------|
| EUT | 20" TV MONITOR | MODEL NO. | LT2021 |
| MODE | 640x480 (75Hz/ 37.5KHz) | INPUT POWER | 120Vac, 60 Hz |
| FREQUENCY RANGE | 30-1000 MHz | DETECTOR FUNCTION & BANDWIDTH | Quasi-Peak, 120kHz |
| ENVIRONMENTAL CONDITIONS | 31deg. C, 70% RH, 1043hPa | TESTED BY: Chin Wen Wang | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No. | Freq. (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 74.66 | 32.85 QP | 40.00 | -7.15 | 2.34 H | 176 | 25.25 | 7.60 |
| 2 | 133.85 | 30.03 QP | 43.50 | -13.47 | 1.80 H | 170 | 17.41 | 12.62 |
| 3 | 227.20 | 37.65 QP | 46.00 | -8.35 | 1.54 H | 173 | 24.87 | 12.78 |
| 4 | 252.50 | 35.43 QP | 46.00 | -10.57 | 1.24 H | 58 | 20.81 | 14.62 |
| 5 | 315.40 | 35.60 QP | 46.00 | -10.40 | 1.58 H | 155 | 18.78 | 16.82 |
| 6 | 572.50 | 36.63 QP | 46.00 | -9.37 | 1.61 H | 330 | 12.89 | 23.74 |
| 7 | 607.80 | 35.43 QP | 46.00 | -10.57 | 1.35 H | 237 | 11.63 | 23.80 |
| 8 | 632.50 | 39.16 QP | 46.00 | -6.84 | 1.00 H | 14 | 15.18 | 23.98 |
| 9 | 781.80 | 34.74 QP | 46.00 | -11.26 | 1.23 H | 108 | 9.68 | 25.06 |
| 10 | 811.00 | 33.90 QP | 46.00 | -12.10 | 1.06 H | 36 | 8.60 | 25.30 |
| 11 | 977.50 | 40.23 QP | 54.00 | -13.77 | 1.56 H | 179 | 12.89 | 27.34 |

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.

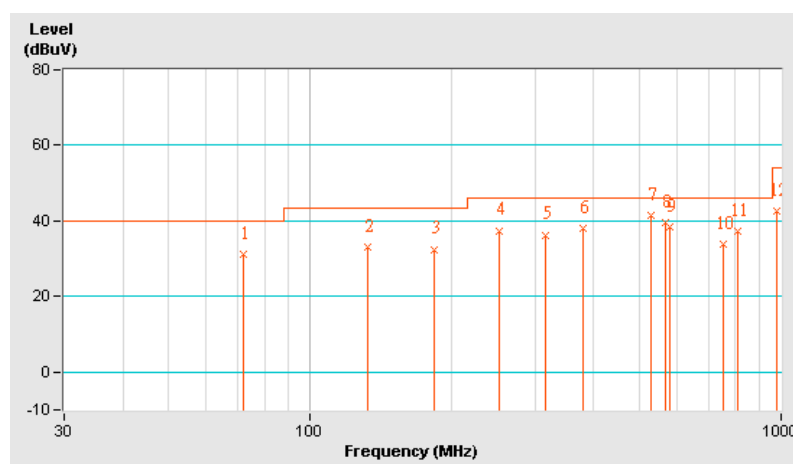


| | | | |
|---------------------------------|---------------------------|--|--------------------|
| EUT | 20" TV MONITOR | MODEL NO. | LT2021 |
| MODE | 640x480 (75Hz/ 37.5KHz) | INPUT POWER | 120Vac, 60 Hz |
| FREQUENCY RANGE | 30-1000 MHz | DETECTOR FUNCTION & BANDWIDTH | Quasi-Peak, 120kHz |
| ENVIRONMENTAL CONDITIONS | 31deg. C, 70% RH, 1043hPa | TESTED BY: Chin Wen Wang | |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| No. | Freq. (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
|-----|---------------|-------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------------------|
| 1 | 72.30 | 31.20 QP | 40.00 | -8.80 | 1.72 V | 182 | 23.94 | 7.26 |
| 2 | 132.44 | 32.96 QP | 43.50 | -10.54 | 1.02 V | 240 | 20.28 | 12.68 |
| 3 | 183.00 | 32.51 QP | 43.50 | -10.99 | 1.00 V | 269 | 21.93 | 10.58 |
| 4 | 252.50 | 37.45 QP | 46.00 | -8.55 | 1.68 V | 0 | 22.83 | 14.62 |
| 5 | 315.40 | 36.31 QP | 46.00 | -9.69 | 1.78 V | 124 | 19.49 | 16.82 |
| 6 | 378.80 | 37.98 QP | 46.00 | -8.02 | 1.54 V | 72 | 19.42 | 18.56 |
| 7 | 529.28 | 41.30 QP | 46.00 | -4.70 | 1.00 V | 0 | 18.40 | 22.90 |
| 8 | 567.00 | 39.49 QP | 46.00 | -6.51 | 1.25 V | 170 | 15.75 | 23.74 |
| 9 | 580.80 | 38.46 QP | 46.00 | -7.54 | 1.00 V | 191 | 14.72 | 23.74 |
| 10 | 756.00 | 33.81 QP | 46.00 | -12.19 | 1.09 V | 180 | 8.88 | 24.93 |
| 11 | 810.00 | 37.32 QP | 46.00 | -8.68 | 1.12 V | 353 | 12.03 | 25.29 |
| 12 | 976.40 | 42.69 QP | 54.00 | -11.31 | 1.05 V | 211 | 15.35 | 27.34 |

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level – Limit value.



5 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST



RADIATED EMISSION TEST





6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

| | |
|--------------------|----------------------|
| USA | FCC, NVLAP, UL, A2LA |
| Germany | TUV Rheinland |
| Japan | VCCI |
| New Zealand | MoC |
| Norway | NEMKO |
| Canada | INDUSTRY CANADA |
| R.O.C. | CNLA, BSMI |

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:
Tel: 886-35-935343
Fax: 886-35-935342

Hwa Ya EMC/RF/Safety Lab:
Tel: 886-3-3185781
Fax: 886-3-3185050

Linko RF & Telecom Lab.
Tel: 886-3-3270910
Fax: 886-3-3270892

Email: service@mail.adt.com.tw
Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.

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