# *EXHIBIT B*

# *Test Report*

| | |
|---|---|
| Report No. | T5415462 |
| FCC ID | OSCSU-CLASSIC500 |
| Specifications | FCC Part 15.109(g), CISPR 22, Class B |
| Test Method | ANSI C63.4 1992 |
| Applicant | TVS Electronics Limited |
| Applicant address | 34, Developed plots, South Phase, Industrial Estate, Guindy, Chennai – 600 032. |
| Items tested | UPS (Sample # T54461) |
| Model No. | SU-CLASSIC 500 |
| Results | **Compliance** (As detailed within this report) |
| Date | 07/30/2001 (month / day / year)(Sample received)<br>09/27/2001 (month / day / year)(Tested) |
| Prepared by | project engineer |
| Authorized by | V.General Manager<br>(Jacob Lin) |
| Issue date | (month / day / year) |
| **Modifications** | **None** |
| Tested by | Training Research Co., Ltd. |
| Office at | 2, Lane 194, Huan-Ho Street, Hsichih, Taipei Hsien 221, Taiwan |
| Open site at | No. 15, Lane 530, Pa-Lian RD., Sec. 1, Hsichih City, Taipei Hsien, Taiwan, R.O.C. |

***Conditions of issue :***

(1) ***This test report shall not be reproduced except in full, without written approval of TRC. And the test result contained within this report only relate to the sample submitted for testing.***

(2) ***This report must not be used by the client to claim product endorsement by NVLAP or any agency of U.S. Government.***

(3) ***This test report, measurements made by TRC are traceable to the NIST only Conducted and Radiated Method.***

★ ***NVLAP LAB CODE: 200174-0***

# Contents

# *Chapter 1 Introduction*

## *Description of EUT:*

The EUT specifications:

| | |
|---|---|
| *Input frequency | : 50 ±5 Hz |
| *Input voltage window | : 140-300V AC |
| *Output frequency | : 50Hz ± 0.1 Hz in battery mode |
| *Output voltage mains mode | : 190-255V |
| *Output voltage inverter mode | : 230V±5% output load variation of 0-100% |
| *Wave form | : Quasi sine wave |
| *Transfer time | : 4msec typical |
| *Power factor | : 0.6 |
| *Battery type | : Maintenance-free lead acid (12V-7Ah) |
| *Recharge time | : 8 hours typical from total discharge (UPS may be used immediately after discharge, but will Provide shorter backup time. |
| *Temperature | : -10 to 40 °C: operating<br>-20 to 55 °C: transport/storage for limited time |
| *Relative humidity | : 0 to 95%, non-condensing |

## *Test method:*

Pretest was found that the emission of operating mode is worse than standby mode. So, The final test is made at the operating mode.

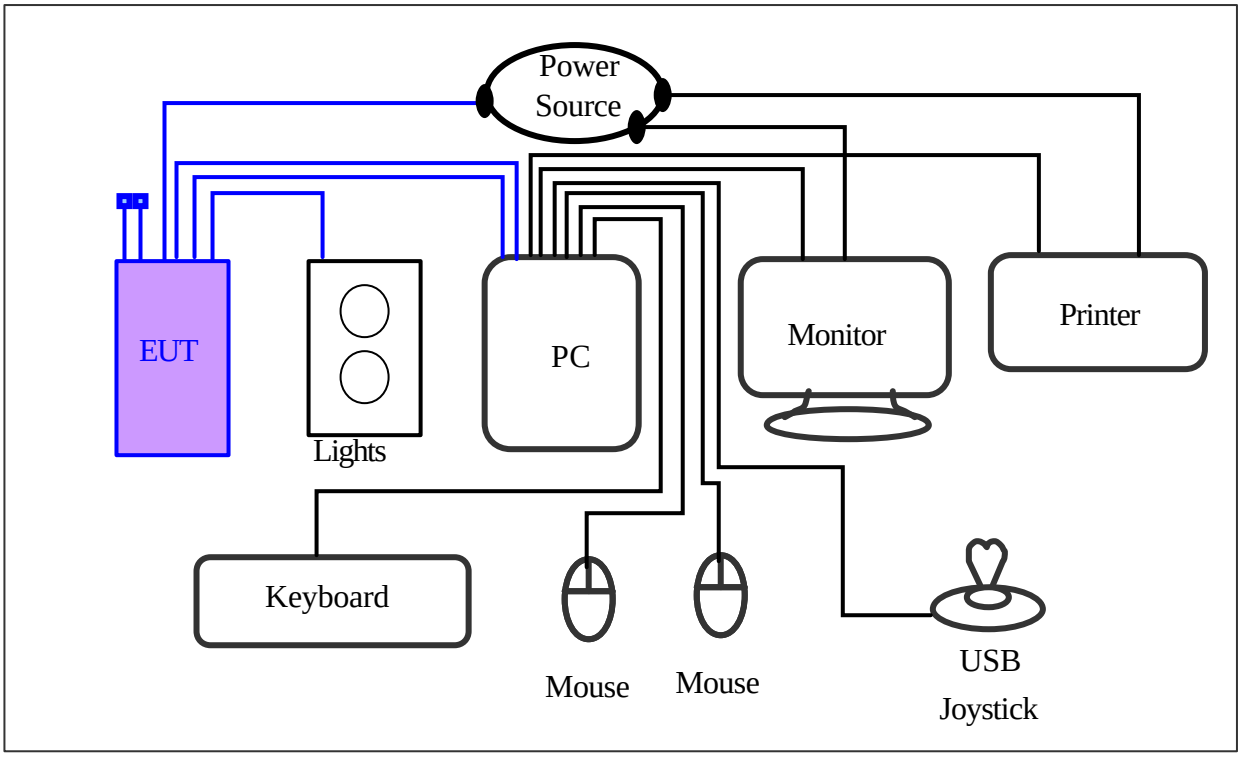
During the pretest, the following modes were tested:

1. Charging mode:
   (a) at 50% power consumption.
   (b) at 100% power consumption.
2. Discharging mode:
   (a) at 50% power consumption.
   (b) at 100% power consumption.

The test placement as the photographs showed is the worst case emission placed. And the worst case test data were recorded in the test report. (If the emission is close to the ambient, the resolution BW and view resolution will be reduced and the data will be recorded by detection of maximum hold peak mode.)

***The testing configuration of test setup is showing in the next page.***

## *Configuration of test setup*




## ***Connections:***

### ***PC:***

*Serial Port --- via a 76cm shielded RS-232 cable to EUT.

*Monitor Port --- a monitor with 1.5m length data cable.

*Keyboard Port --- a keyboard with 1.7m length data cable.

*Mouse Port --- a mouse with 1.8m long of data cable.

*Printer port --- a printer with 1.80m length data cable.

*USB Port A --- a joystick with 1.5m long, shielded and no ferrite bead data cable.

*USB Port B --- a mouse with 1.8m long of data cable.

(Each port on PC is connected with suitable device)

### ***EUT:***

*Power cable --- via a 1.60m long non-shielded, no ferrite bead power cable to the power source.

*AC Jack 1 --- via a 1.85m long non-shielded, no ferrite bead power cable to the PC.

*AC Jack 2~3--- via a 1.85m long non-shielded, no ferrite bead power cable that terminated.

*AC Jack 4 --- via a 1.85m long non-shielded, no ferrite bead power cable to the Lights.

*Serial Port --- via a 76cm shielded RS-232 cable to the PC.

*LAN IN --- with a 1.5m long, non-shielded, no ferrite bead, RJ-45 cable that terminated.

*LAN OUT --- with a 1.5m long, non-shielded, no ferrite bead, RJ-45 cable that terminated.

## *List of support equipment*

## Conducted (Radiated) test:

| | | |
|---|---|---|
| **PC** | **:** | **HP Brio 8410 6/350** |
| Model No. | : | D6928A |
| Serial No. | : | TW90400174 |
| FCC ID | : | Doc Approved |
| Power type | : | 100 ~ 230VAC / 50 ~ 60Hz, 5A, Switching |
| Power cord | : | Non-shielded, 2.30m long, Plastic, No ferrite core |
| | | |
| **Monitor** | **:** | **ACER 15' Color Display** |
| Model No. | : | 1555 |
| Serial No. | : | 9171602305836014 29P5C431 |
| FCC ID | : | JVP7254E |
| Power type | : | Switching |
| Power cord | : | Shielded, 1.80m long, No ferrite core |
| Data cable | : | Shielded, 1.34m long, with ferrite core |
| | | |
| **Keyboard** | **:** | **HP** |
| Model No. | : | SK-2501K |
| Serial No. | : | M981216213 |
| FCC ID | : | GYUR38SK |
| Power type | : | By PC |
| Data cable | : | Shielded, 1.70m long, with ferrite core |
| | | |
| **Mouse** | **:** | **HP** |
| Model No. | : | M-S34 |
| Serial No. | : | LZC84446151 |
| FCC ID | : | DZL211029 |
| Power type | : | By PC |
| Power cord | : | Non-shielded, 1.80m long, No ferrite core |

| | | |
|---|---|---|
| **Printer** | **:** | **EPSON** |
| Model No. | : | P78PA |
| Serial No. | : | 0EE0014030 |
| FCC ID | : | BKM9A8P70RA |
| Power type | : | Linear |
| Power cord | : | Non-shielded, 2m long, No ferrite core |
| Data cable | : | Shielded, 1.8m long, No ferrite core |

| | | |
|---|---|---|
| **USB Mouse** | **:** | **Logitech** |
| Model No. | : | M-BA47 |
| Serial No. | : | LZE92250027 |
| FCC ID | : | Doc Approved |
| Power type | : | Powered by PC |
| Power Cable | : | Shielded, 1.5m long, Plastic hoods, No ferrite bead |

| | | |
|---|---|---|
| **USB Joystick** | **:** | **Padix** |
| Model No. | : | QF-305U |
| Serial No. | : | 8100848 |
| FCC ID | : | Doc Approval |
| Power type | : | Powered by PC |
| Power Cable | : | Shielded, 1.5m long, No ferrite bead data cable |

# *Chapter 2 Conducted emission test*

## *Test condition and setup:*

All the equipment is placed and setup according to the CISPR 22.
The EUT is assembled on a wooden table that is 80 cm high, is placed 40 cm from the back-wall that is a vertical conducting plane. One LISN is for EUT, the other LISN is for support equipment. They are all placed on the conductive ground. The EUT' s LISN connect a line switch box for selecting L1 or L2, then connect to a preamplifier and spectrum.

The spectrum scans from 450KHz to 30MHz. Conducted emission levels are detected at max. peak mode. But if the max. peak mode failed or over average limit, it will be measured by average detection mode.

While testing, there is the worst-emission plot printed at peak detection mode, and there are more than 6 highest emissions relative to limit recorded. The plot is kept as the original data, not included in test report.

## *List of test Instrument*

| | | | | **Calibration Date** | |
|---|---|---|---|---|---|
| Instrument Name | Model No. | Brand | Serial No. | Last time | Next time |
| Spectrum analyzer | 8591EM | H P | 3710A01203 | 02/22/01 | 02/22/02 |
| Pre-selector (<30MHz) | AMP-01 | TRC | REP-001 | 08/09/01 | 08/09/02 |
| LISN (EUT) | TRC LISN01 | TRC | LISN-01 | 08/21/01 | 08/21/02 |
| LISN (Support E.) | LISN01 | TRC | 9912-01, 02 | 12/18/00 | 12/18/01 |

The level of confidence of 95%, the uncertainty of measurement of conducted emission is ± 2.4 dB.

***Test Result: Pass (Appendix A)***

## *Conducted Test Placement: (Photographs)*

# *Chapter 3 Radiated emission test*

## *Test condition and setup:*

***Pretest :*** Prior to the final test (OATS test) ,the EUT is placed in a shielded enclosure, and scan from 30MHz to 1GHz. This is done to ensure the radiation exactly emits form the EUT.

***Final test:*** Final radiation measurement is made on a ***10*** **- meter,** open-field test site. The EUT is placed on a nonconductive table that is 0.8m height, the top surface is 1.0 x 1.5 meter. The placement is according to CISPR 22.

The spectrum is examined from 30 MHz to 1000 MHz measured by HP spectrum.

The M.E. whole range Antenna is used to measure frequency from 30 MHz to 1GHz.The final test is used the spectrum analyzer.

Measure more than six top marked frequencies generated form pretest by computer step by step at each frequency. The EUT is rotated 360 degrees, and antenna is raised and lowered from 1 to 4 meters to find the maximum emission levels. The antenna is used with both horizontal and vertical polarization.

Appropriated preamplifier that is made by TRC is used for improving sensitivity and precaution is taken to avoid overloading. The spectrum analyzer' s 6dB bandwidth is set to 120 KHz, and the EUT is measured at quasi-peak mode.

If the emission is close to the frequency band of ambient, the tester will recheck the data and the corrected data will be written in the test data sheet. If the emission is just within the ambient, the data from shield room will be taken as the final data.

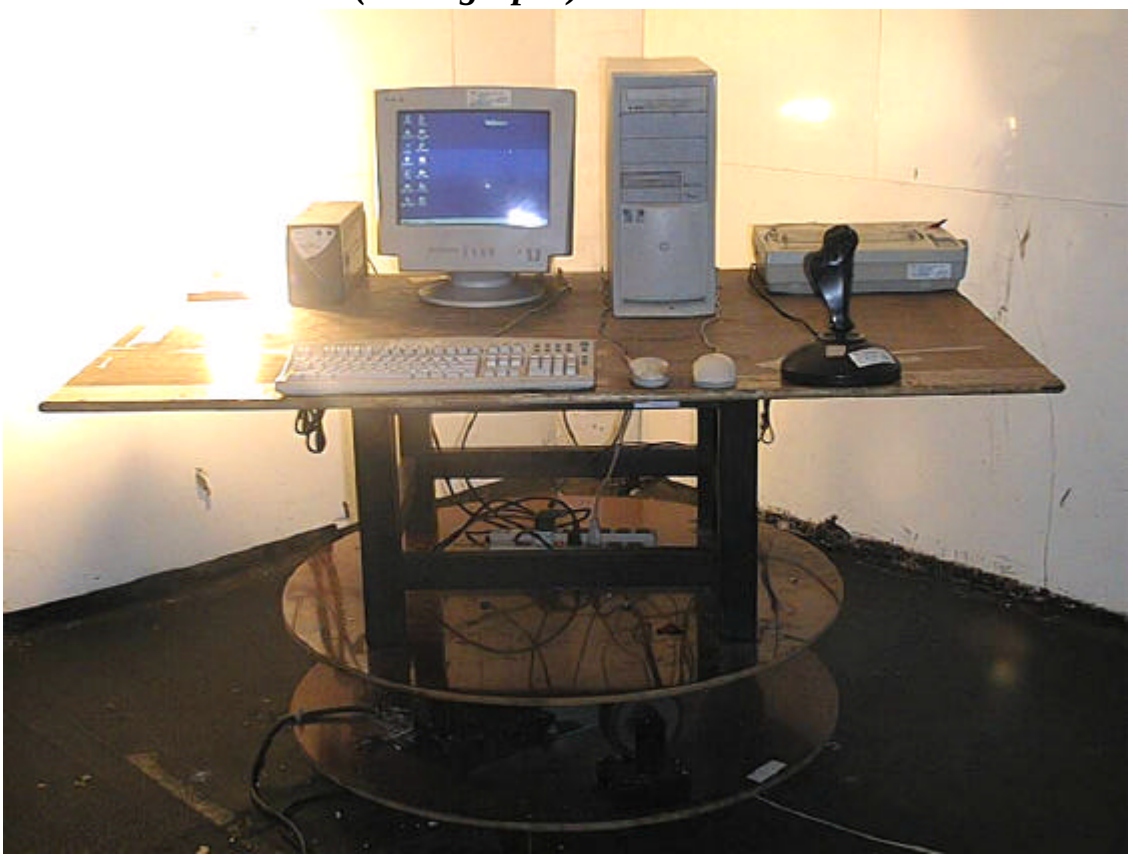
## *List of test Instrument*

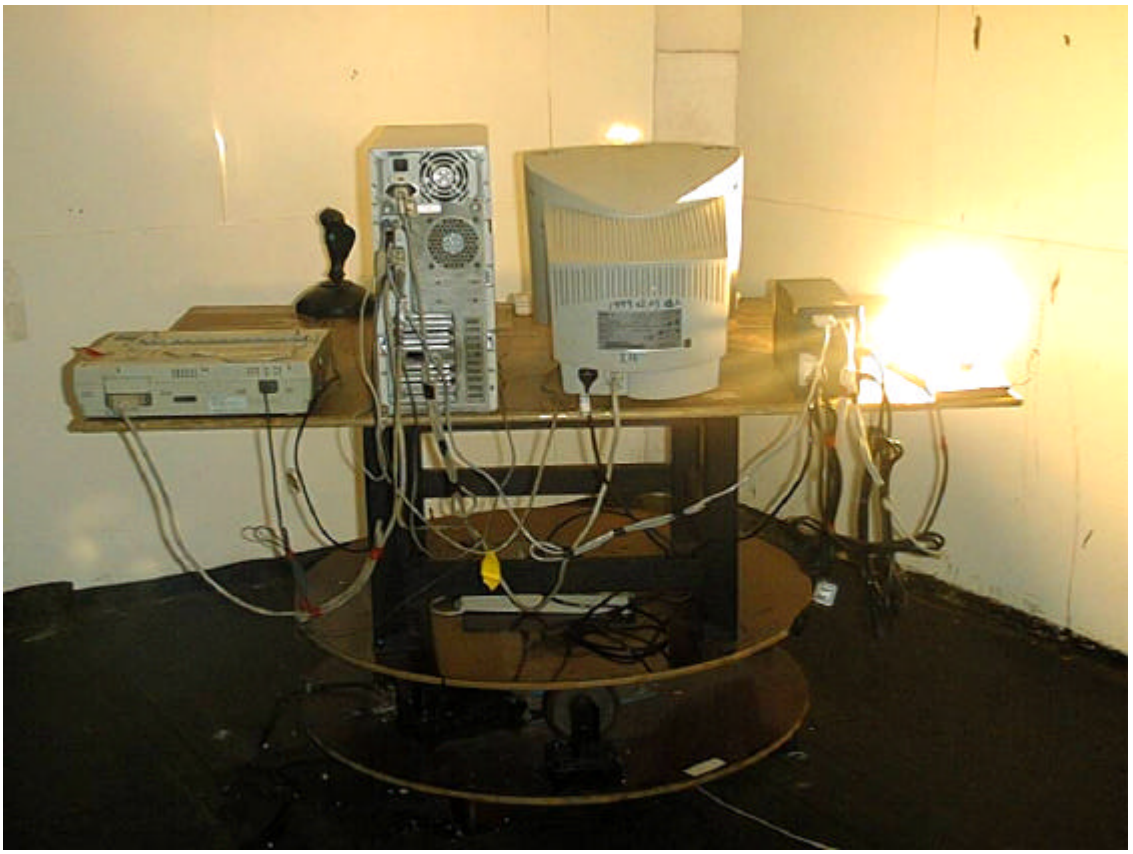
| | | | | ***Calibration Date*** | |
|---|---|---|---|---|---|
| Instrument Name | Model No. | Brand | Serial No. | Last time | Next time |
| Spectrum analyzer | 8591EM | H P | 3619A01203 | 02/22/01 | 02/22/02 |
| Pre-selector (>30MHz) | AMP-01 | TRC | REP-001 | 10/02/00 | 10/02/01 |
| Spectrum analyzer | 8568B | H P | 3004A18617 | 06/04/01 | 06/04/02 |
| Quasi-peak Adapter | 85650A | H P | 2521A00984 | 06/04/01 | 06/04/02 |
| RF Pre-selector | 85685A | H P | 2947A01011 | 06/05/01 | 06/05/02 |
| RF Pre-selector | AMP-01 | TRC | REP-002 | 10/02/00 | 10/02/01 |
| Bi-log Antenna | VULB9160 | M. E. | 3064 | 07/12/01 | 07/12/02 |
| Antenna (30M-2GHz) | 3142 | EMCO | 9610-1094 | 10/02/00 | 10/02/01 |
| Open test side (Antenna, Amplify, cable calibrated together) | | | | 05/20/01 | 05/20/02 |

The level of confidence of 95% , the uncertainty of measurement of radiated emission is ± 4.96 dB .

***Test Result : Pass (Appendix B)***

## *Radiated Test Placement: (Photographs)*





# *Appendix A*

## *Conducted Emission Test Result: (Test Mode: 50% Charge)*

Testing room: Temperature : 20 ° C Humidity : 72 % RH

***Line 1***

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 269.00 | 66.59 | 56.95 | 21.65 | 62.60 | 52.60 | -5.65 |
| 280.00 | 66.62 | 57.43 | 21.31 | 62.29 | 52.29 | -4.86 |
| 295.00 | 66.73 | 57.12 | 21.86 | 61.86 | 51.86 | -4.74 |
| 302.00 | 66.79 | 57.09 | 20.95 | 61.66 | 51.66 | -4.57 |
| 320.00 | 67.03 | 57.29 | 20.67 | 61.14 | 51.14 | -3.85 |
| 329.00 | 66.94 | 57.37 | 20.31 | 60.89 | 50.89 | -3.52 |
| 359.00 | 67.17 | 57.44 | 20.85 | 60.03 | 50.03 | -2.59 |
| 385.00 | 64.23 | 56.63 | 23.90 | 59.29 | 49.29 | -2.66 |
| 414.00 | 63.45 | 55.44 | 15.40 | 58.46 | 48.46 | -3.02 |
| 430.00 | 62.97 | 54.05 | 17.20 | 58.00 | 48.00 | -3.95 |

***Line 2***

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 283.00 | 66.45 | 57.41 | 20.86 | 62.20 | 52.20 | -4.79 |
| 301.00 | 66.54 | 57.05 | 20.93 | 61.69 | 51.69 | -4.64 |
| 310.00 | 66.51 | 58.65 | 20.85 | 61.43 | 51.43 | -2.78 |
| 322.00 | 66.35 | 56.88 | 20.62 | 61.09 | 51.09 | -4.21 |
| 329.00 | 65.65 | 56.66 | 20.71 | 60.89 | 50.89 | -4.23 |
| 340.00 | 66.21 | 56.54 | 21.07 | 60.57 | 50.57 | -4.03 |
| 349.00 | 66.26 | 56.35 | 20.09 | 60.31 | 50.31 | -3.96 |
| 366.00 | 65.02 | 56.40 | 18.53 | 59.83 | 49.83 | -3.43 |
| 375.00 | 65.59 | 55.32 | 17.60 | 59.57 | 49.57 | -4.25 |
| 392.00 | 64.78 | 54.68 | 19.00 | 59.09 | 49.09 | -4.41 |

*The reading amplitudes are all under limit.

## *Conducted Emission Test Result: (Test Mode: 100% Charge)*

Testing room: Temperature : 20 ° C Humidity : 72 % RH

### *Line 1*

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 285.00 | 66.49 | 56.92 | 22.53 | 62.14 | 52.14 | -5.22 |
| 308.00 | 66.66 | 57.01 | 20.83 | 61.49 | 51.49 | -4.48 |
| 322.00 | 66.74 | 57.23 | 20.44 | 61.09 | 51.09 | -3.86 |
| 333.00 | 66.77 | 57.31 | 20.26 | 60.77 | 50.77 | -3.46 |
| 347.00 | 66.82 | 57.13 | 20.58 | 60.37 | 50.37 | -3.24 |
| 359.00 | 66.82 | 56.81 | 20.17 | 60.03 | 50.03 | -3.22 |
| 378.00 | 66.32 | 56.27 | 19.49 | 59.49 | 49.49 | -3.22 |
| 394.00 | 65.85 | 56.29 | 17.70 | 59.03 | 49.03 | -2.74 |
| 427.00 | 63.60 | 53.14 | 16.28 | 58.09 | 48.09 | -4.95 |
| 502.00 | 59.84 | 44.02 | 7.64 | 56.00 | 46.00 | -11.98 |

### *Line 2*

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 264.00 | 66.59 | 57.00 | 21.09 | 62.74 | 52.74 | -5.74 |
| 274.00 | 66.46 | 56.89 | 21.38 | 62.46 | 52.46 | -5.57 |
| 285.00 | 66.35 | 56.96 | 27.50 | 62.14 | 52.14 | -5.18 |
| 297.00 | 66.51 | 56.96 | 20.73 | 61.80 | 51.80 | -4.84 |
| 312.00 | 66.42 | 60.61 | 20.59 | 61.37 | 51.37 | -0.76 |
| 338.00 | 66.34 | 56.88 | 20.50 | 60.63 | 50.63 | -3.75 |
| 354.00 | 64.03 | 56.39 | 19.06 | 60.17 | 50.17 | -3.78 |
| 368.00 | 65.73 | 59.68 | 18.54 | 59.77 | 49.77 | -0.09 |
| 383.00 | 63.29 | 55.69 | 17.72 | 59.34 | 49.34 | -3.65 |
| 394.00 | 63.44 | 55.21 | 18.35 | 59.03 | 49.03 | -3.82 |

*The reading amplitudes are all under limit.

## *Conducted Emission Test Result: (Test Mode: 50% Discharge)*

Testing room: Temperature : 20 ° C Humidity : 73 % RH

### *Line 1*

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 280.00 | 65.56 | 57.43 | 21.31 | 62.29 | 52.29 | -4.86 |
| 302.00 | 65.16 | 57.09 | 20.95 | 61.66 | 51.66 | -4.60 |
| 312.00 | 64.79 | 57.65 | 20.85 | 61.37 | 51.37 | -3.72 |
| 324.00 | 66.09 | 56.79 | 20.57 | 61.03 | 51.03 | -4.24 |
| 342.00 | 65.71 | 56.27 | 20.18 | 60.51 | 50.51 | -4.24 |
| 354.00 | 64.89 | 57.41 | 20.63 | 60.17 | 50.17 | -2.76 |
| 380.00 | 65.49 | 56.60 | 23.82 | 59.43 | 49.43 | -2.83 |
| 405.00 | 63.90 | 55.92 | 15.90 | 58.71 | 48.71 | -2.79 |
| 416.00 | 62.66 | 55.41 | 15.40 | 58.40 | 48.40 | -2.99 |
| 436.00 | 60.48 | 54.07 | 17.24 | 57.83 | 47.83 | -3.76 |

### *Line 2*

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 163.00 | 64.87 | 50.27 | 24.08 | 65.63 | 55.63 | -15.36 |
| 169.00 | 63.56 | 50.63 | 24.02 | 65.46 | 55.46 | -14.83 |
| 189.00 | 64.94 | 51.00 | 23.47 | 64.89 | 54.89 | -13.89 |
| 196.00 | 64.23 | 51.49 | 23.04 | 64.69 | 54.69 | -13.20 |
| 205.00 | 63.52 | 52.66 | 22.63 | 64.43 | 54.43 | -11.77 |
| 211.00 | 63.61 | 53.04 | 22.57 | 64.26 | 54.26 | -11.22 |
| 251.00 | 62.19 | 56.54 | 21.16 | 63.11 | 53.11 | -6.57 |
| 267.00 | 75.87 | 56.99 | 21.14 | 62.66 | 52.66 | -5.67 |
| 291.00 | 75.12 | 57.31 | 21.05 | 61.97 | 51.97 | -4.66 |
| 304.00 | 61.04 | 57.25 | 20.93 | 61.60 | 51.60 | -4.35 |

*The reading amplitudes are all under limit.

## *Conducted Emission Test Result: (Test Mode: 100% Discharge)*

Testing room: Temperature : 20 ° C Humidity : 72 % RH

### *Line 1*

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 299.00 | 68.45 | 57.00 | 21.43 | 61.74 | 51.74 | -4.74 |
| 310.00 | 68.77 | 58.65 | 20.85 | 61.43 | 51.43 | -2.78 |
| 322.00 | 68.37 | 56.88 | 20.62 | 61.09 | 51.09 | -4.21 |
| 333.00 | 68.50 | 56.12 | 20.43 | 60.77 | 50.77 | -4.65 |
| 349.00 | 69.09 | 56.35 | 20.09 | 60.31 | 50.31 | -3.96 |
| 375.00 | 69.00 | 55.32 | 17.60 | 59.57 | 49.57 | -4.25 |
| 387.00 | 68.44 | 56.61 | 23.90 | 59.23 | 49.23 | -2.62 |
| 397.00 | 67.83 | 54.22 | 22.05 | 58.94 | 48.94 | -4.72 |
| 419.00 | 66.22 | 55.53 | 15.40 | 58.31 | 48.31 | -2.78 |
| 438.00 | 63.90 | 53.97 | 17.21 | 57.77 | 47.77 | -3.80 |

### *Line 21*

| *Frequency (KHz)* | *READING AMPLITUDE* | | | *LIMIT* | | *Margin (dB)* |
|---|---|---|---|---|---|---|
| | *Peak (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | *Quasi-Peak (dBmV/m)* | *Average (dBmV/m)* | |
| 154.00 | 65.11 | 49.88 | 24.83 | 65.89 | 55.89 | -16.01 |
| 188.00 | 64.92 | 50.98 | 23.45 | 64.91 | 54.91 | -13.93 |
| 218.00 | 63.33 | 53.92 | 22.62 | 64.06 | 54.06 | -10.14 |
| 249.00 | 62.30 | 56.47 | 21.35 | 63.17 | 53.17 | -6.70 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

*The reading amplitudes are all under limit.

# *Appendix B*

## *Radiated Emission Test Result:*

Test Conditions:

Testing Room : Temperature : 26.80 ° C Humidity : 68 % RH

Testing site : Temperature : 30.00 ° C Humidity : 81 % RH

| Frequency | Reading Amplitude | Ant. Height | Table | Correction Factors | Corrected Amplitude | Class B Limit | Margin |
|---|---|---|---|---|---|---|---|
| MHz | DBμV | m | degree | dB/m | dBμV/m | dBμV/m | dB |
| ***Horizontal*** | | | | | | | |
| 31.600 | 35.20 | 4.00 | 81 | -15.67 | 19.53 | 30.00 | -10.47 |
| 104.920 | 30.30 | 4.00 | 221 | -13.86 | 16.44 | 30.00 | -13.56 |
| 112.010 | 30.10 | 4.00 | 355 | -13.02 | 16.08 | 30.00 | -13.92 |
| 120.010 | 33.30 | 4.00 | 195 | -12.30 | 21.00 | 30.00 | -9.00 |
| 500.640 | 29.30 | 2.56 | 143 | -3.28 | 26.02 | 37.00 | -10.98 |
| 855.820 | 22.60 | 4.00 | 71 | 6.20 | 28.80 | 37.00 | -8.20 |
| *** | | | | | | | |
| ***Vertical*** | | | | | | | |
| 37.490 | 35.60 | 1.00 | 148 | -15.38 | 20.22 | 30.00 | -9.78 |
| 64.010 | 37.60 | 1.00 | 283 | -14.62 | 22.98 | 30.00 | -7.02 |
| 72.010 | 33.50 | 2.56 | 12 | -15.62 | 17.88 | 30.00 | -12.12 |
| 74.010 | 32.80 | 2.56 | 40 | -15.84 | 16.96 | 30.00 | -13.04 |
| 80.010 | 40.10 | 1.00 | 311 | -16.50 | 23.60 | 30.00 | -6.40 |
| 88.010 | 38.70 | 4.00 | 210 | -16.42 | 22.28 | 30.00 | -7.72 |
| 104.830 | 37.40 | 2.56 | 273 | -13.87 | 23.53 | 30.00 | -6.47 |
| 120.010 | 36.70 | 4.00 | 333 | -12.30 | 24.40 | 30.00 | -5.60 |
| *** | | | | | | | |

Note:

1. Margin = Amplitude - limit, *if margin is minus means under limit.*
2. Corrected Amplitude = Reading Amplitude + Correction Factors
3. Correction factor = Antenna factor + ( Cable Loss - Amplitude gain )

(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)