Test Site Services, Inc.

P.O. Box 766
Marlboro, MA 01752
(508) 634-3444

PRELIMINARY EMISSIONS TEST REPORT

Radiated and Conducted Emissions
for

NAME: _____

STREET: _____

CITY: _____STATE: _____ ZIP: _____

TEST NUMBER   : _____ (to be filled in day of test)

PRODUCT NAME   : _____

REGULATION   : U.S., FCC Part 15B / Canada, ICES-003
       AS/NZS 3548
       VCCI, V-3/93.01
       CNS 13438
       EMC Directive, 89/336/EEC
       Med. Device Directive, 93/42/EEC
       Other

DATE   : ____/ ____/____ (to be filled in day of test)

ADMINISTRATIVE DATA
Please underline appropriate regulation, test type and test method

Regulation   : U.S., FCC Part 15B / Canada, ICES-003
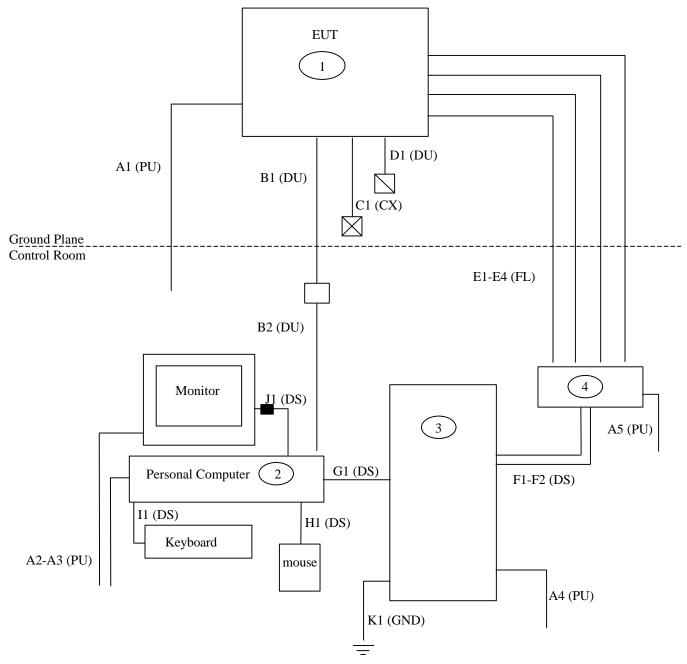   AS/NZS 3548
   VCCI, V-3/93.01
   CNS 13438
   EMC Directive, 89/336/EEC
   Med. Device Directive, 93/42/EEC
   Other

Level   : Class A   or   B

Test Method   : ANSIC63.4-1992 / CSA C108.8-M1983
   EN55022 (1994) / CISPR22 (1993)
   EN55011 (1991) / CISPR11 (1990)
   EN60601-1-2
   CNS 13438
   VCCI, V3/97.04
   Other

Test Type   : Qualification   Engineering   Audit

Manufacturer   : _____

EUT Type   : _____

EUT Model Number   : _____

Date(s) of Test   :   /   /   /   /   (to be filled in day of test)

Customer Personnel   : _____, Title _____

   : _____, Title _____

TSS Personnel   : R. Wiedeman EMC Engineer

   _____EMC Technician (to be filled in day of test)

   _____EMC Technician

Test Location   : Open Area Test Site
   Test Site Services, Inc.
   30 Birch Street
   Milford, MA 01757

Returned via   : _____

EUT DESCRIPTION

1. Verbal description of what the EUT is and what does It do:

_____

_____

_____

_____

_____

_____

_____

2. The tests were run in a typical system configuration including: (support and other equiptment)

(1) _____   (6) _____

(2) _____   (7) _____

(3) _____   (8) _____

(4) _____   (9) _____

(5) _____   (10) _____

3. Reason for test: (Engineering), Qualification for: (circle one then include reason, new product, rev. etc.)

4. Changes made during test: (to be filled in day of test)

(1)   (4)

(2)   (5)

(3)   (6)

5 Deviations from Standard test method. . (to be filled in day of test)

BLOCK DIAGRAM EXAMPLE

EUT

1

A1 (PU)

B1 (DU)

D1 (DU)

C1 (CX)

Ground Plane
Control Room

E1-E4 (FL)

B2 (DU)

Monitor

J1 (DS)

4

Personal Computer   2

G1 (DS)

3

A5 (PU)

I1 (DS)

H1 (DS)

F1-F2 (DS)

Keyboard

A2-A3 (PU)

mouse

A4 (PU)

K1 (GND)

DS=DATA CABLE SHIELDED   PS=POWER CORD SHIELDED   CX=COAXIAL CABLE
DU=DATA CABLE UNSHIELDED PU=POWER CORD UNSHIELDED FL=FIBER LINK
■ = FERRITE BEAD ◺ = LOOPBACK ▢ = CONNECTER
⊠ = TERMINATION   GND = EARTH GROUND

Include devices as blocks starting with EUT as 1 and support equipment as 2-10 etc. Device numbers to correspond to block identifier pages 1 through 10 etc. Show all suppression devices, i.e. ferrite beads and include in cable descriptions under misc. Include inter-connecting cables, power cables, accessory cables starting with power cables as A1- A10 etc. (where identical) and all other cables as B1,C1-C2 etc. using designations shown below. Show connectors only where they are interconnecting cables.

BLOCK DIAGRAM

EUT
Support

DS=DATA CABLE SHIELDED   PS=POWER CORD SHIELDED   CX=COAXIAL CABLE
DU=DATA CABLE UNSHIELDED PU=POWER CORD UNSHIELDED FL=FIBER LINK
■ = FERRITE BEAD ◻ = LOOPBACK ☐ = CONNECTER
⊠ = TERMINATION   GND = EARTH GROUND

EUT TECHNICAL DATA
BLOCK IDENTIFIER 1
Please fill in all applicable information

Description   :

Manufacturer   :   Model No. :

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power (Rated)   : Volt / Freq._____Current_____

Power (Tested)   : Volt / Freq._____Current_____

Internal Options:

External Options:

This must be filled in before start of test

Freq. Generated: _____MHz.   _____MHz.   _____MHz.

            : _____MHz.   _____MHz.   _____MHz.

            : _____MHz.   _____MHz.   _____MHz.

            : _____MHz.   _____MHz.   _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 2
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.   :

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                                        : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz   _____MHz.

               _____MHz   _____Mhz   _____MHz.

               _____MHz   _____Mhz   _____MHz.

               _____MHz   _____Mhz   _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 3
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                        : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz _____MHz.

               _____MHz   _____Mhz _____MHz.

               _____MHz   _____Mhz _____MHz.

               _____MHz   _____Mhz _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 4
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                             : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz _____MHz.

                   _____MHz   _____Mhz _____MHz.

                   _____MHz   _____Mhz _____MHz.

                   _____MHz   _____Mhz _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 5
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                                      : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz _____MHz.

                        _____MHz   _____Mhz _____MHz.

                        _____MHz   _____Mhz _____MHz.

                        _____MHz   _____Mhz _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 6
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                                : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz   _____MHz.

                    _____MHz   _____Mhz   _____MHz.

                    _____MHz   _____Mhz   _____MHz.

                    _____MHz   _____Mhz   _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 7
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                    : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz   _____MHz.

                _____MHz   _____Mhz   _____MHz.

                _____MHz   _____Mhz   _____MHz.

                _____MHz   _____Mhz   _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 8
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                              : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz   _____MHz.

              _____MHz   _____Mhz   _____MHz.

              _____MHz   _____Mhz   _____MHz.

              _____MHz   _____Mhz   _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 9
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                                   : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz   _____MHz.

                    _____MHz   _____Mhz   _____MHz.

                    _____MHz   _____Mhz   _____MHz.

                    _____MHz   _____Mhz   _____MHz.

Comments   :

SUPPORT EQUIPTMENT TECHNICAL DATA
BLOCK IDENTIFIER 10
Please fill in all applicable information

Description   :

Manufacturer   :   Model No.:

Part #/Rev   :

Serial #   :

FCC/FTZ Ident   :

Power

                                      : _____

Internal Options

External Options

Freq Generated: _____MHz   _____Mhz   _____MHz.

                  _____MHz   _____Mhz   _____MHz.

                  _____MHz   _____Mhz   _____MHz.

                  _____MHz   _____Mhz   _____MHz.

Comments   :

CABLE
DESCRIPTIONS

Please fill in all information including Misc. notes such as Coaxial RG 59, RS 232, UTP, STP, CAT 5, suppression devices i.e. ferrite beads etc.

(A   )   Function   :

                        Type   : Shielded   Unshielded

                        Length   : (   )   Feet   Meters

                        # of Conductors   : (   )

                        Connector Shell   : Shielded   Unshielded

                        Part Number   :

                        Misc.   :
                                      :

                        Quantity   : (   )

(B   )   Function   :

                        Type   : Shielded   Unshielded

                        Length   : (   )   Feet   Meters

                        # of Conductors   : (   )

                        Connector Shell   : Shielded   Unshielded

                        Part Number   :

                        Misc.   :
                                      :

                        Quantity   : (   )

(C   )   Function   :

                        Type   : Shielded   Unshielded

                        Length   : (   )   Feet   Meters

                        # of Conductors   : (   )

                        Connector Shell   : Shielded   Unshielded

                        Part Number   :

                        Misc.   :

                        Quantity   : (   )

CABLE
DESCRIPTIONS

Please fill in all information including Misc. notes such as Coaxial RG 59, RS 232, UTP, STP, CAT 5, suppression devices i.e. ferrite beads etc.

(D   )   Function   :

                                Type   : Shielded   Unshielded

                                Length   : (   )   Feet   Meters

                                # of Conductors   : (   )

                                Connector Shell   : Shielded   Unshielded

                                Part Number   :

                                Misc.   :
                                                    :

                                Quantity   : (   )

(E   )   Function   :

                                Type   : Shielded   Unshielded

                                Length   : (   )   Feet   Meters

                                # of Conductors   : (   )

                                Connector Shell   : Shielded   Unshielded

                                Part Number   :

                                Misc.   :
                                                    :

                                Quantity   : (   )

(F   )   Function   :

                                Type   : Shielded   Unshielded

                                Length   : (   )   Feet   Meters

                                # of Conductors   : (   )

                                Connector Shell   : Shielded   Unshielded

                                Part Number   :

                                Misc.   :

                                Quantity   : (   )

**CABLE
DESCRIPTIONS**

Please fill in all information including Misc. notes such as Coaxial RG 59, RS 232, UTP, STP, CAT 5, suppression devices
i.e. ferrite beads etc.

(G   )   Function   :

Type   : Shielded   Unshielded

Length   : (   )   Feet   Meters

# of Conductors   : (   )

Connector Shell   : Shielded   Unshielded

Part Number   :

Misc.   :
                        :

Quantity   : (   )

(H   )   Function   :

Type   : Shielded   Unshielded

Length   : (   )   Feet   Meters

# of Conductors   : (   )

Connector Shell   : Shielded   Unshielded

Part Number   :

Misc.   :
                        :

Quantity   : (   )

(I   )   Function   :

Type   : Shielded   Unshielded

Length   : (   )   Feet   Meters

# of Conductors   : (   )

Connector Shell   : Shielded   Unshielded

Part Number   :

Misc.   :

Quantity   : (   )

**CABLE
DESCRIPTIONS**

Please fill in all information including Misc. notes such as Coaxial RG 59, RS 232, UTP, STP, CAT 5, suppression devices i.e. ferrite beads etc.

(J   ) Function   :

          Type   : Shielded   Unshielded

          Length   : (   )   Feet   Meters

          # of Conductors : (   )

          Connector Shell : Shielded   Unshielded

          Part Number   :

          Misc.   :
                    :

          Quantity   : (   )

(K   ) Function   :

          Type   : Shielded   Unshielded

          Length   : (   )   Feet   Meters

          # of Conductors : (   )

          Connector Shell : Shielded   Unshielded

          Part Number   :

          Misc.   :
                    :

          Quantity   : (   )

(L   ) Function   :

          Type   : Shielded   Unshielded

          Length   : (   )   Feet   Meters

          # of Conductors : (   )

          Connector Shell : Shielded   Unshielded

          Part Number   :

          Misc.   :

          Quantity   : (   )

CABLE
DESCRIPTIONS

Please fill in all information including Misc. notes such as Coaxial RG 59, RS 232, UTP, STP, CAT 5, suppression devices i.e. ferrite beads etc.

(M   )   Function   :

Type   : Shielded   Unshielded

Length   : (   )   Feet   Meters

# of Conductors   : (   )

Connector Shell   : Shielded   Unshielded

Part Number   :

Misc.   :
                      :

Quantity   : (   )

(N   )   Function   :

Type   : Shielded   Unshielded

Length   : (   )   Feet   Meters

# of Conductors   : (   )

Connector Shell   : Shielded   Unshielded

Part Number   :

Misc.   :
                      :

Quantity   : (   )

(O   )   Function   :

Type   : Shielded   Unshielded

Length   : (   )   Feet   Meters

# of Conductors   : (   )

Connector Shell   : Shielded   Unshielded

Part Number   :

Misc.   :

Quantity   : (   )

CABLE
DESCRIPTIONS

Please fill in all information including Misc. notes such as Coaxial RG 59, RS 232, UTP, STP, CAT 5, suppression devices i.e. ferrite beads etc.

(P   )   Function   :

                         Type   : Shielded   Unshielded

                         Length   : (   )   Feet   Meters

                         # of Conductors   : (   )

                         Connector Shell   : Shielded   Unshielded

                         Part Number   :

                         Misc.   :
                                                  :

                         Quantity   : (   )

(Q   )   Function   :

                         Type   : Shielded   Unshielded

                         Length   : (   )   Feet   Meters

                         # of Conductors   : (   )

                         Connector Shell   : Shielded   Unshielded

                         Part Number   :

                         Misc.   :
                                                  :

                         Quantity   : (   )

(R   )   Function   :

                         Type   : Shielded   Unshielded

                         Length   : (   )   Feet   Meters

                         # of Conductors   : (   )

                         Connector Shell   : Shielded   Unshielded

                         Part Number   :

                         Misc.   :

                         Quantity   : (   )

TEST SOFTWARE DESCRIPTION

This information must be included, Fill in all applicable information

PROGRAM and / or SOFTWARE INFORMATION

TITLE   :

PART NUMBER/REV.   :

FUNCTION   :

REPEAT TIME   : _____ SECONDS (cycle time must be included before start of test)

ADDITIONAL NOTES   :

LAN INFORMATION

SPEED (MBIT/S)   :   4   10   16   OTHER

DATA PATTERN   :

PACKET LENGTH   :

DELAY (uS)   :

BITS/SECOND   :

% of UTILIZATION   :

RUN INSTRUCTIONS : (include start and run procedure, commands etc.)

OPERATIONAL MODES

OPERATIONAL MODES AVAILABLE: (include all available)

MODE TESTED :

FUNCTION : (how does this mode exercise the product ?)

RATIONALE : (Why was this mode chosen to be tested ?)

EUT
I/O PORTS - CABLES
CONFIGURATION

All testing was performed with the following cables/terminators connected to the EUT I/O Ports:

EUT I/O PORTS (All Available by Type)	Cable Attached (Yes/No)*

NOTE: CISPR & FCC Tests: ONE of each TYPE of PORT must be cabled.
NOTE: * If no include justification