EN55022 PRE SCAN TEST DATA

For

Ituner Networks Corp

4031 Clipper Ct.
Fremont, CA 94538

Model: M1-ATX

This Document Concerns:	Equipment Type:
☒ TEST DATA	12V DC – 12V DC Board

Test Engineer: Jerry Wang

Project Number: T0507251

Test Date: 2005-07-25

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The EUT is 12V DC – 12V DC Power Board.

Objective

The objective is to perform engineering evaluation testing of the EUT with respect to EN55022:1998 + A1: 2000 + A2: 2003.

EUT Configuration Setup

The measurement was performed in the OATs, using the same setup per EN 55022B: 1998 + A1: 2000 + A2: 2003 measurement procedure. The specification used was the EN 55022B: 1998 + A1: 2000 + A2: 2003 limits.

The EUT was located on the turntable for radiated emissions testing.

Unless otherwise specified, the measurement antenna was located 10 meters from the EUT for the measurement range 30-1000 MHz and 3m from the EUT for the frequency range 1-10 GHz.

The external I/O cables were draped along the test table and bundled as required.

Equipment Modifications

No modifications were made to EUT.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Cal Date
HP	Analyzer, Spectrum	8586B	2408A00105	2004-08-25
Agilent	Amplifier, Pre	8447D	2944A10187	2004-08-20
Electro Metrics	Antenna, Biconical	EM-6912	582	N/R
Electro Metrics	Antenna, Log-Periodic	EM-6950	788	N/R
HP	Adapter, Quasi-Peak	85650A	2521A00718	2004-8-19

Environmental Conditions

Temperature:	27ºC
Relative Humidity:	40%
ATM Pressure:	1018 mbar

Summary of Test Result

RUN #	TEST CONFIGURATION	TEST CONDITION	RESULTS
1	M1-ATX	Primary Scan 30- 1000 MHz	Pass

TEST RESULT

INDICATED		TABLE	ANTENNA		CORRECTION FACTOR			CORRECTEI AMPLITUDI	EN55022B	
Frequency MHz	Ampl. dBµV /m	Angle Degree	Height Meter	Polar H/ V	Antenna dB	Cable dB	Amp dB	Corr. Ampl. dBµV/m	Limit dBµV /m	Margin dB
48	39.4	180	1.2	V10	11.3	0.55	28.6	22.65	30	-7.35
80.2	40.8	200	3	H10	9.6	0.68	28.5	22.58	30	-7.42
60	40.3	120	1.2	V10	9.7	0.6	28.5	22.1	30	-7.9
48	38.6	300	2.5	H10	11.3	0.55	28.6	21.85	30	-8.15
80.16	39.7	180	1.2	V10	9.6	0.68	28.5	21.48	30	-8.52
60.02	39.5	200	3	H10	9.6	0.6	28.5	21.2	30	-8.8
111.15	36.1	200	1.2	V10	11.7	0.79	28.3	20.29	30	-9.71
111.16	35.4	180	2	H10	11.7	0.79	28.3	19.59	30	-10.41
240	41.2	180	3	H10	11.3	1.14	27.3	26.34	37	-10.66
240	39.7	200	1.2	V10	11.3	1.14	27.3	24.84	37	-12.16

TEST SETUP PHOTOS

Front View

Rear View