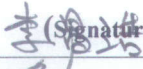


 ESTECH Co., Ltd. 3rd Fl., Chungdam Bldg., 119-1 Chungdam-dong, Kangnamgu, Seoul	   	Electromagnetic Interference Test Report
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Compliance Test Report for FCC

Report Number	ESTF150112-003			
Applicant	Company Name	Elesign INC.		
	Address	404, KOLON techno valley, 60-4, Kasan-dong, Kumcheon gu, Seoul, Korea		
	Telephone	82-2-866-6190		
Product	Product Name	Residential Gateway		
	Model No.	ESC 1700	Manufacturer	Elesign INC.
	Serial No.	-	Country of origin	Korea
Test data	Date of Receipt	2001. 11. 21	Date of Issue	2001. 12. 22
Testing Location	ESTECH. Co., Ltd 3 rd Fl., Chungdam Bldg., 119-1, Chungdam-dong Kangnam-gu, Seoul, Korea			
Standard	FCC PART 15 2001, ANSI C 63.4 1992			
Emission Test	☒ Conducted Emission	☐ Class A ☒ Class B	Test Result : OK	
	☒ Radiated Emission	☐ Class A ☒ Class B	Test Result : OK	
Measurement Facility Registration Number : 94696				
Tested by : Senior Engineer C. H. Lee		 (Signature/Seal)		
Reviewed by : Director S. D. Park		 (Signature/Seal)		
Abbreviation	OK, Pass = Passed, Fail = Failed, N/A = not applicable			
* Note - This test report is not permitted to copy partly without our permission - This test result is dependent on only equipment to be used - This test result based on a single evaluation of one sample of the above mentioned				

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1. Laboratory Information

1.1 General

This EUT (Equipment Under Test) has been shown to be capable of compliance with the applicable technical standards and tested in accordance with the measurement procedures as indicated in this report

ESTECH Lab. attests to accuracy of test data. All measurement reported herein were performed by ESTECH Co., Ltd.

ESTECH Lab. assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

1.2 Test Lab.

Corporation Name : ESTECH Co. Ltd.

Head Office : 3 rd Fl., Chungdam Bldg., 119-1, Chungdam-dong Kangnam-gu , Seoul, Korea
(Safety & Telecom. Test Lab)

EMC Test Lab. : 58-1, O-San Ri, Ga-Nam Myon, Yeo-Joo Gun, Kyung-Ki Do, Korea
 97-1, Hoi-uk Ri Ma-jang Myon, Icheon city, Kyung-Ki Do, Korea **(test location)**

Branch Office : USA-ESTECH INC.
 21801 Stevens Creek Blvd. Suite 2A Cupertino, CA95014

1.3 Official Qualification(s)

MIC : Granted Accreditation from Ministry of Information & Communication for EMC, Safety and Telecom .

KOLAS : Accredited Lab. By Korea Laboratory Accreditation Schema base on CENELEC requirements

FCC : Granted Accreditation from Federal Communications Commission

VCCI : Granted Accreditation from Voluntary Control Council for Interference from ITE

2. Description of EUT

2.1 Summary of Equipment Under Test

◆ EUT Name : **Residential Gateway**

◆ Model Number : **ESC 1700**

◆ Serial Number : -

◆ Manufacturer : **Elesign INC.**

◆ Country of origin : **KOREA**

◆ Power Rating

Adaptor Using. **Input : AC 90~250V , 50/60 Hz , 0.15A**

Output : DC 5V/1.0A

◆ Test Date

Test Date : **December 15 , 2001**

2.2 General descriptions of EUT

- ESC1700 is a 1-port gateway, which enables Internet phone call thru existing conventional phone. It' s a stand-alone device, which means no PC connection is necessary to use ESC1700 except for the initial configuration thru built-in web-server



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Kangnamgu, Seoul

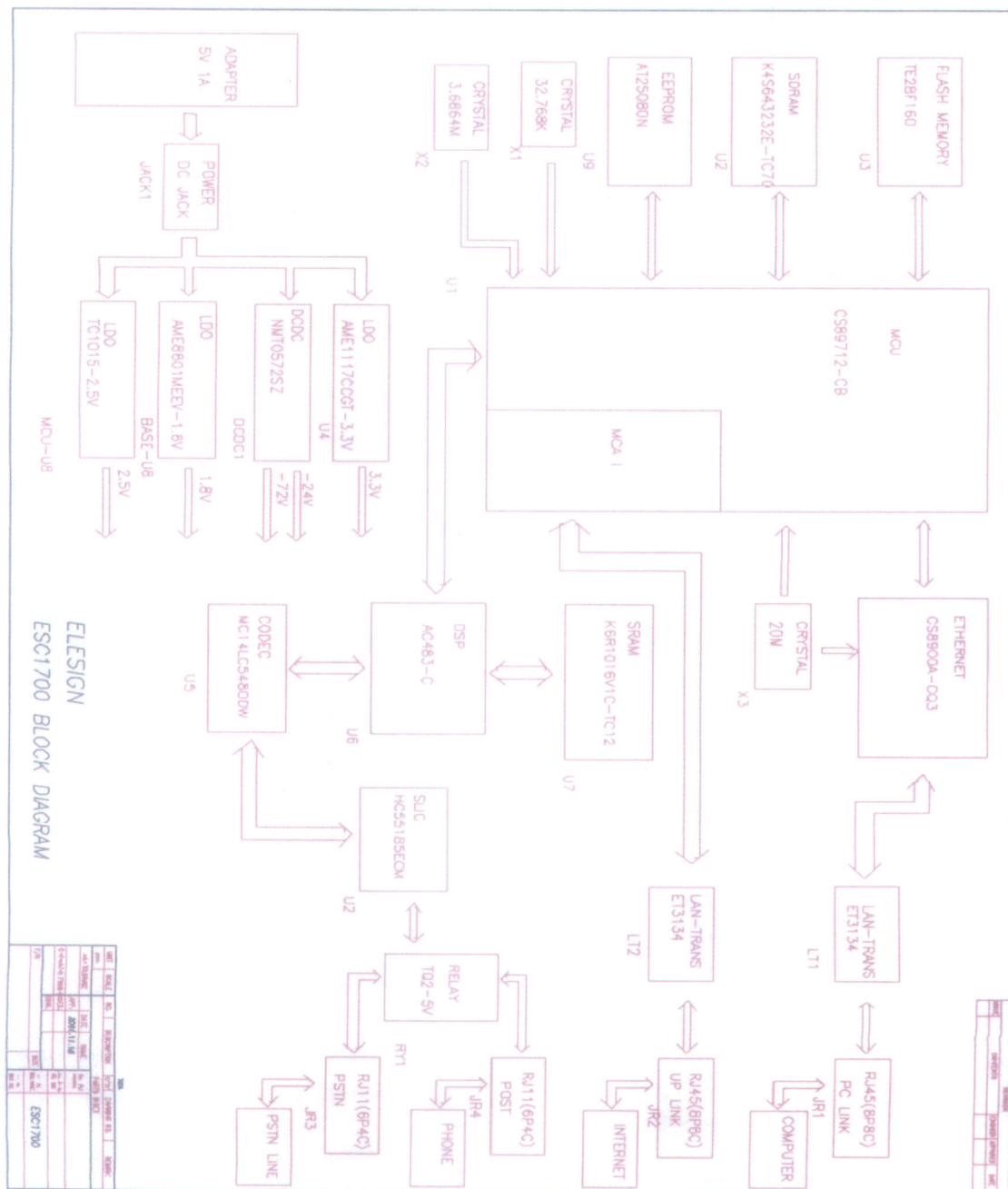


**Electromagnetic
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Test Report**

2.3 Circuit Diagram

Attached file : 10 file

2.4 EUT Block Diagram



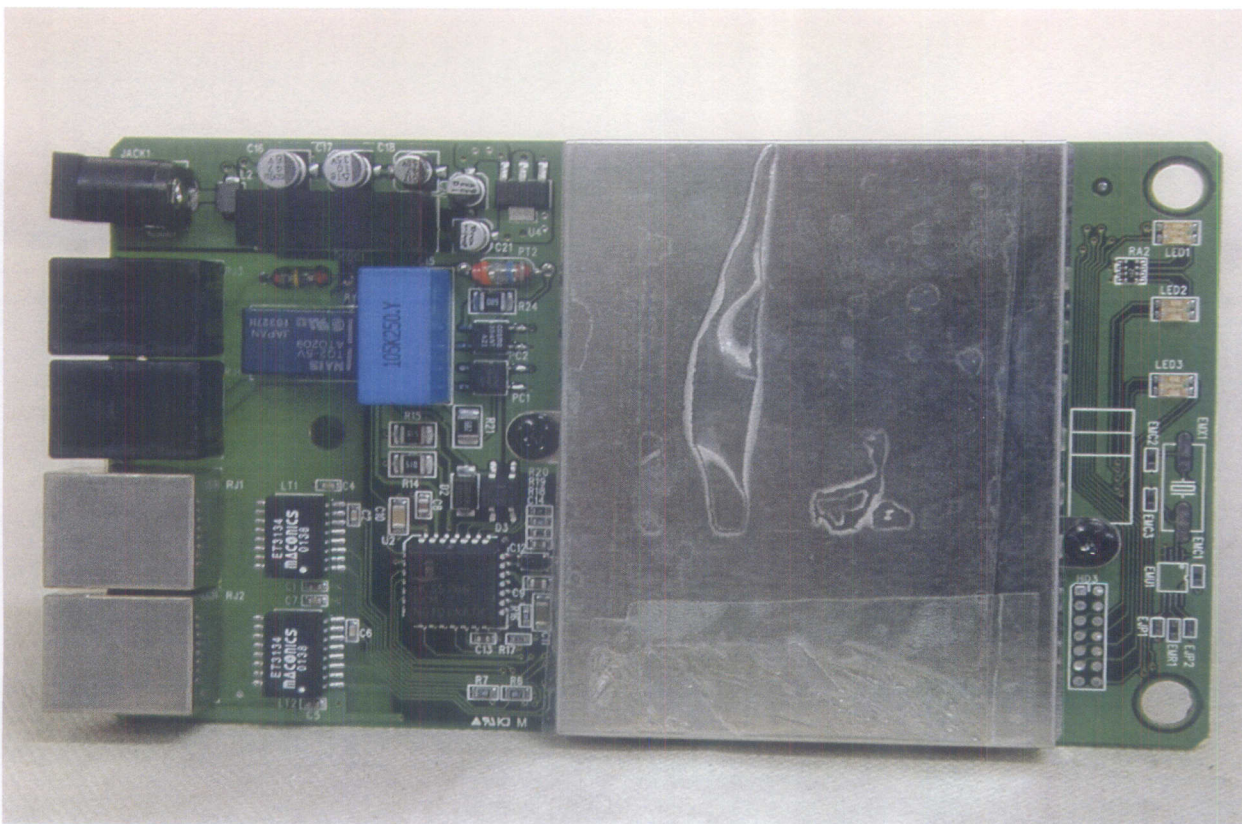
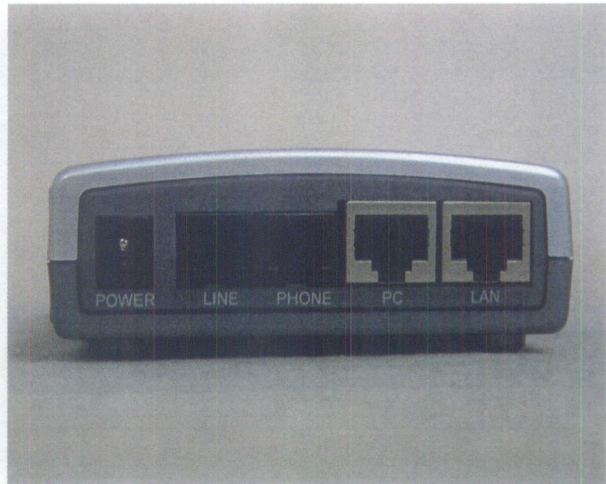
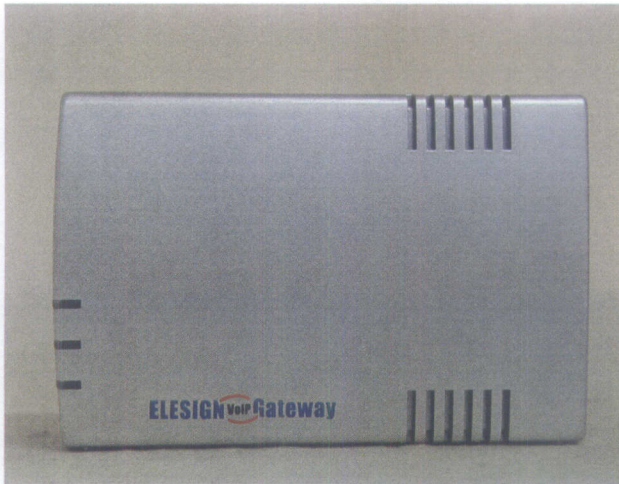


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Kangnamgu, Seoul



Electromagnetic Interference Test Report

2.5 EUT Figure



3. Test Standards

Test Standard : FCC PART 15 (2001)

This Parts sets out the regulations under which an intentional, unintentional, or incidental radiator may be operated without an individual license. It also contains the technical specifications, administrative requirements and other conditions relating to the marketing of Part 15 devices.

Test Method : ANSI C 63.4 (1992)

This standard sets forth uniform methods of measurement of radio-frequency (RF) signals and noise emitted from both unintentional and intentional emitters of RF energy in the frequency range 9 kHz to 40 GHz. Methods for the measurement of radiated and AC power-line conducted radio noise are covered and may be applied to any such equipment unless otherwise specified by individual equipment requirements.

These methods cover measurement of certain decides that deliberately radiate energy, such as intentional emitters, but does not cover licensed transmitters. This standard is not intended for certification/approval of avionic equipment or for industrial, scientific, and medical (ISM) equipment

These method apply to the measurement of individual units or systems comprised of multiple units