

**TCB**

**GRANT OF EQUIPMENT  
AUTHORIZATION**

**TCB**

**Certification**

**Issued Under the Authority of the  
Federal Communications Commission**

**By:**

**Timco Engineering, Inc.  
849 NW State Road 45  
P.O. Box 370,  
Newberry, FL 32669**

**Date of Grant: 01/15/2008**

**Application Dated: 01/14/2008**

**Sena Technologies, Inc.  
210 Yangjae-dong Seocho-gu  
Seoul, 137-130  
South Korea**

**Attention: YOUNGSAM KIM , Vice President**

**NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

**FCC IDENTIFIER: S7APSX10W**  
**Name of Grantee: Sena Technologies, Inc.**  
**Equipment Class: Digital Transmission System**  
**Notes: SERIAL DEVICE SERVER**

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2412.0 - 2462.0	0.0759		

Power listed is Conducted. This transmitter is restricted for use with the specific antenna(s) tested in this application for Certification. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Installers and end-users must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

**Notified Body  
Number 1177**



**NOTIFIED BODY STATEMENT OF OPINION**

**R&TTE DIRECTIVE 1999/5/EC  
Conformity assessment procedure Article 10(5) and Annex IV**


**DESCRIPTION OF THE PRODUCT**

Manufacturer : SENA TECHNOLOGIES, INC.  
Address : 210 YANGJAE-DONG SEOCHO-GU  
SEOUL, 137-130 KOREA  
Phone number : +82-2-571-8283  
Product description : SERIAL DEVICE SERVER  
Intended use : SRD – WIDEBAND DATA TRANSMISSION SYSTEM  
RF output power (EIRP) : 11b: 19.3dBm and 11g: 16.5dBm  
Frequency band : 2412-2472MHz  
Modulation : 802.11bg: DSSS/OFDM  
Brand : SENA  
Type/Model number : PS210W, PS110W

**TECHNICAL CONSTRUCTION FILE**

Issued by : SENA TECHNOLOGIES, INC.  
Address : 210 YANGJAE-DONG SEOCHO-GU  
SEOUL, 137-130 KOREA  
Phone / Fax number : +82-2-571-8283 / +82-2-573-7710  
Signed by : SEUNG-HYUN KIM, Associate Research Engineer  
Date : January 7, 2008  
File Number : RTTE-S0711C

**TIMCO NOTIFIED BODY STATEMENT OF OPINION**

Issued by : Notified Body 1177, TIMCO Engineering, Inc.  
Date : January 14, 2008  
Opinion number : TCF-76KC8  
On behalf of : The President of TIMCO Engineering, Inc.  
Signature :   
Name : Bruno Clavier

The device shall be marked as follows:

**CE1177D**

THIS STATEMENT OF OPINION HAS NO ADDENDUM.

Based on the evidence presented in the Technical Construction File, TIMCO Engineering, Inc., as appointed Notified Body (number 1177), has given a positive opinion that the product described is in conformity with the essential requirements Article 3.2 of R&TTE Directive 1999/5/EC.

**TIMCO ENGINEERING, INC.**  
P.O. BOX 370  
NEWBERRY, FL 32669  
Tel.: 1-888-472-2424  
Fax: 1-352-472-2030  
E-mail: TEI@TIMCOengr.com

Designated as a U.S.  
CAB by **NIST National  
Institute of Standards and  
Technology**  
An agency of the U.S.  
Commerce Department

This Opinion is issued under the provision that TIMCO Engineering Inc. nor its subsidiary companies accept any liability concerning the contents of this document other than forced by law.  
Reproduction of the Opinion (with addendum) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc.

# Type Certification

To: SENA TECHNOLOGIES Inc.

We hereby certify that the equipment has been granted Certification for Construction Design as described above based on regulations in Radio Law Article 38, Section 24.

Items	Specifications
Type of specified radio equipment	Radio equipment in Certification Ordinance Article 2, Section 1, No.19
Model, frequency and antenna power of radio wave	D1D,G1D 2412-2472MHz (5MHz Separation 13ch) 0.0005W/MHz G1D 2412-2472MHz (5MHz Separation 13ch) 0.001W/MHz
Model or name of specified radio equipment	PS110W
Name of manufacturer of specified radio equipment	SENA TECHNOLOGIES Inc.
Construction Design Certification No.	006WWC0034
Construction Design Certification certified date	27 <sup>th</sup> February 2008
Remark	

Date 27<sup>th</sup> February 2008

RF Technologies Ltd.



# Type Certification

To: SENA TECHNOLOGIES Inc.

We hereby certify that the equipment has been granted Certification for Construction Design as described above based on regulations in Radio Law Article 38, Section 24.

Items	Specifications
Type of specified radio equipment	Radio equipment in Certification Ordinance Article 2, Section 1, No.19-2
Model, frequency and antenna power of radio wave	G1D 2484MHz 0.001W/MHz
Model or name of specified radio equipment	PS110W
Name of manufacturer of specified radio equipment	SENA TECHNOLOGIES Inc.
Construction Design Certification No.	006GZC0018
Construction Design Certification certified date	27 <sup>th</sup> February 2008
Remark	

Date 27<sup>th</sup> February 2008

RF Technologies Ltd.



# Type Certification

To: SENA TECHNOLOGIES Inc.

We hereby certify that the equipment has been granted Certification for Construction Design as described above based on regulations in Radio Law Article 38, Section 24.

Items	Specifications
Type of specified radio equipment	Radio equipment in Certification Ordinance Article 2, Section 1, No.19
Model, frequency and antenna power of radio wave	D1D,G1D 2412-2472MHz (5MHz Separation 13ch) 0.0005W/MHz G1D 2412-2472MHz (5MHz Separation 13ch) 0.001W/MHz
Model or name of specified radio equipment	PS210W
Name of manufacturer of specified radio equipment	SENA TECHNOLOGIES Inc.
Construction Design Certification No.	006WWC0029
Construction Design Certification certified date	13 <sup>th</sup> February 2008
Remark	

Date 13<sup>th</sup> February 2008

RF Technologies



# Type Certification

To: SENA TECHNOLOGIES Inc.

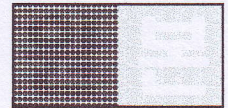
We hereby certify that the equipment has been granted Certification for Construction Design as described above based on regulations in Radio Law Article 38, Section 24.

Items	Specifications
Type of specified radio equipment	Radio equipment in Certification Ordinance Article 2, Section 1, No.19-2
Model, frequency and antenna power of radio wave	G1D 2484MHz 0.001W/MHz
Model or name of specified radio equipment	PS210W
Name of manufacturer of specified radio equipment	SENA TECHNOLOGIES Inc.
Construction Design Certification No.	006GZC0017
Construction Design Certification certified date	13 <sup>th</sup> February 2008
Remark	

Date 13<sup>th</sup> February 2008

RF Technologies Ltd.





### 정보통신기기인증서

#### Certificate of Information and Communication Equipment

인증의 종류: 형식등록/전자파적합등록  
Certification Type (Type Registration/EMC Registration)

상호 또는 성명: (주)세나테크놀로지  
Trade Name or Applicant

기기의 명칭: 무선데이터통신시스템용 무선기기  
Equipment Name

기본 모델명: PS110W  
Basic Model Number of Equipment

파생 모델명:  
Series Model Number of Equipment

인증번호: SNA-PS110W (A)  
Certification No

제조사 및 제조국가: (주)세나테크놀로지/한국  
Manufacturer and Country of Origin

형식기호: LARN8-IO2S2412/2472TR0.01G1DD2D13  
Type Identification

인증연월일: 2008년 (Year) 04월 (Month) 21일 (Date)  
Date of Certification

기타:  
Others

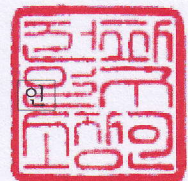
위 기기는 정보통신기기 인증규칙에 의해 인증되었음을 증명합니다.

It is certified that foregoing equipment has been certificated under the provisions of the Regulations on Certification of Information and Communication Equipment.

2008년 (Year) 04월 (Month) 21일 (Date)

전파연구소장

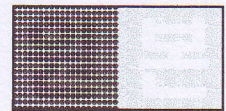
Director General of Radio Research Laboratory  
Broadcasting and Communications Commission Republic of Korea



\* 진위여부는 [www.ebcc.go.kr](http://www.ebcc.go.kr)에서 확인할 수 있습니다.

\* 복사본은 상단 복사방지마크의 '원' 또는 '본' 글자가 사라집니다.





정보통신기기인증서

Certificate of Information and Communication Equipment

인증의 종류: 형식등록/전자파적합등록  
Certification Type (Type Registration/EMC Registration)

상호 또는 성명: (주)세나테크놀로지  
Trade Name or Applicant

기기의 명칭: 무선데이터통신시스템용 무선기기  
Equipment Name

기본 모델명: PS210W  
Basic Model Number of Equipment

과생 모델명:  
Series Model Number of Equipment

인증번호: SNA-PS210W (A)  
Certification No

제조사 및 제조국가: (주)세나테크놀로지/한국  
Manufacturer and Country of Origin

형식기호: LARN8-IO2S2412/2472TR0.01G1DD2D13  
Type Identification

인증연월일: 2008년(Year) 04월(Month) 21일(Date)  
Date of Certification

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2008년(Year) 04월(Month) 21일(Date)

전파연구소장

Director General of Radio Research Laboratory  
Broadcasting and Communications Commission Republic of Korea

