

**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: 09/05/2007**

**Application Dated: 09/04/2007**

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

**Attention: YOUNGSAM KIM , Vice President**

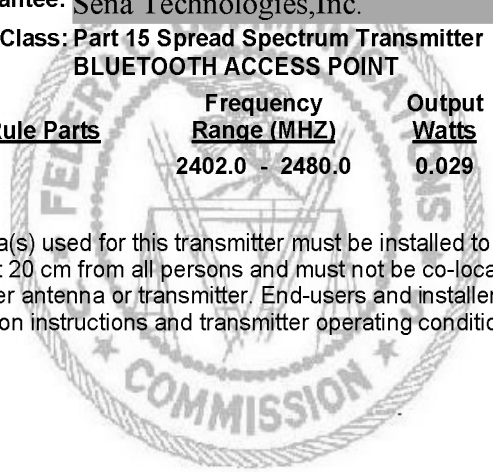
**NOT TRANSFERABLE**

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: S7APARANIMSP1000**  
**Name of Grantee: Sena Technologies, Inc.**  
**Equipment Class: Part 15 Spread Spectrum Transmitter**  
**Notes: BLUETOOTH ACCESS POINT**

<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	2402.0 - 2480.0	0.029		

Power output is conducted. 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. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.



# Declaration of Conformity

We, Sena Technologies, Inc.

210 Yangjae-dong, Seocho-gu, Seoul, 137-130 Korea

TEL. +82-2-571-8283 / Fax. +82-2-573-7710

Declare under our own responsibility that the product

**Bluetooth Access Point**

**Brand name: SENA**

**Model No.: Parani-MSP1000**

To which this declaration refers conforms with the relevant standards or other standardizing documents

Art.3.1.a) EN 60950-1: 2001

Art.3.1.b) ETSI EN 301 489-1 V1.6.1

ETSI EN 301 489-17 V.1.2.1

Art.3.2) ETSI EN 300 328 V1.6.1

According to the regulations in Directive 1999/5/EC.

**Technical Documentation kept at: Sena Technologies, Inc.**

**Technical Construction File No.: RTTE-S0708B**

[Place, date]

[Name and signature of person responsible]

**EU**

August 20, 2007



Seung - Hyun Kim  
Associate Research Engineer

# 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 : BLUETOOTH ACCESS POINT  
Intended use : SRD – WIDEBAND DATA TRANSMISSION SYSTEM  
RF output power : 19.1dBm EIRP  
Frequency band : 2402-2480MHz, 79 Channels  
Modulation : GFSK, Pi/4 DQPSK, 8DPSK (78% Duty Cycle)  
Brand : SENA  
Type/Model number : PARANI-MSP1000

#### 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 : August 20, 2007  
File Number : RTTE-S0708B

#### TIMCO NOTIFIED BODY STATEMENT OF OPINION

Issued by : Notified Body 1177, TIMCO Engineering, Inc.  
Date : August 24, 2007  
Opinion number : TCF-2912KC7  
On behalf of : The President of TIMCO Engineering, Inc.  
Signature : *Bruno Clavier* (signed)  
Name : Bruno Clavier

The device shall be marked as follows:



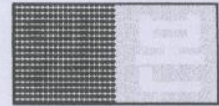
THIS STATEMENT OF OPINION HAS NO ADDENDUM.

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, FLORIDA 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

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정보통신기기인증서

Certificate of Information and Communication Equipment

인 증 의 종 류 : 형식등록/전자파적합등록  
 Certification Type (Type Registration/EMC Registration)

상 호 또 는 성 명 : (주)세나테크놀로지  
 Trade Name or Applicant

기 기 의 명 칭 : 특정소출력무선기기(무선데이터통신시스템및무선LAN용)  
 Equipment Name

기 본 모 델 명 : Parani-MPS1000C  
 Basic Model Number of Equipment

파 생 모 델 명 : Parani-MPS1000A, Parani-MPS1000B  
 Series Model Number of Equipment

인 증 번 호 : SNA-Parani-MPS1000 (A)  
 Certification No

제 조 자 및 제 조 국 가 : (주)세나테크놀로지/한국  
 Manufacturer and Country of Origin

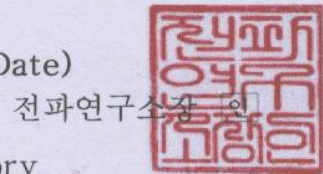
형 식 기 호 : LARN8-IO2S2402/2480TR0.0004F1DG1D79  
 Type Identification

인 증 연 월 일 : 2007년(Year) 10월(Month) 10일(Date)  
 Date of Certification

기 타 :  
 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.

2007년(Year) 10월(Month) 10일(Date)



Director General of Radio Research Laboratory  
 Ministry of Information and Communication Republic of Korea

\* 진위여부는 www.emic.go.kr에서 확인할 수 있습니다.

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



# 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	F1D 2402MHz~2480MHz(1MHz Separation 79ch) 0.00016W/MHz G1D 2402MHz~2480MHz(1MHz Separation 79ch) 0.00006W/MHz
Model or name of specified radio equipment	Parani-ESD1000
Name of manufacturer of specified radio equipment	SENA TECHNOLOGIES Inc.
Construction Design Certification No.	006WWC0013
Construction Design Certification certified date	30th October 2007
Remark	

Date: 30th October 2007

RF Technologies Ltd.

