

**Notified Body
Number 1177**



NOTIFIED BODY STATEMENT OF OPINION

R&TTE DIRECTIVE 1999/5/EC

Conformity assessment procedure Article 10(4) and Annex IV

PRODUCT DESCRIPTION

Manufacturer Name	:	SENA TECHNOLOGIES, INC.
Manufacturer Address	:	210 YANGJAE-DONG SEOCHO-GU SEOUL, 137-130 KOREA
Brand/Trade Name	:	SENA
Model/Type Designation	:	ZBLINX-ZE10
Product Description	:	ZIGBEE SERIAL MODULE
Product Specifications	:	Please refer to ANNEX 1

TECHNICAL CONSTRUCTION FILE

Applicant Name	:	SENA TECHNOLOGIES, INC.
Applicant Address	:	210 YANGJAE-DONG SEOCHO-GU SEOUL, 137-130 KOREA
Signed by	:	SEUNG-HYUN KIM/ASSOCIATE RESEARCH ENGINEER
Date	:	2010-02-02
TCF Identification	:	RTTE-S1001C

TIMCO NOTIFIED BODY STATEMENT OF OPINION

Issued by	:	Notified Body 1177, TIMCO Engineering, Inc.
Date	:	February 4, 2010
Opinion number	:	TCF-288KC10
On behalf of	:	The President of TIMCO Engineering, Inc.
Signature	:	<i>Bruno Clavier</i>
Name	:	Bruno Clavier

The device shall be marked as follows:



THIS STATEMENT OF OPINION HAS 1 ANNEX.

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 Annex) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc.
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ANNEX 1 TO STATEMENT OF OPINION

TCF-288KC10

Date: February 4, 2010

PRODUCT SPECIFICATIONS

Intended Use/Category	:	SRD – Wideband data transmission system (Zigbee)
RF output power	:	19.85dBm EIRP
Frequency band (MHz)	:	2410-2475
Modulation	:	O-QPSK
Antenna type	:	Dipole Antenna (M/N: R-AN2400-1901RS) Max. Gain 5.37dBi
		Dipole Antenna (M/N: R-AN2400-5801RS) Max. Gain 3.27dBi
		Dipole Antenna (M/N: AN2400-3306RS) Max. Gain 1.40dBi
		Chip Antenna (SENA_029) Max. Gain 0.5dBi
		Whip Antenna (SENA W01) Max. Gain 2.1dBi
Duty cycle (%)	:	100

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: 02/08/2010

Application Dated: 02/05/2010

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

Attention: YOUNGSAM KIM , Vice President

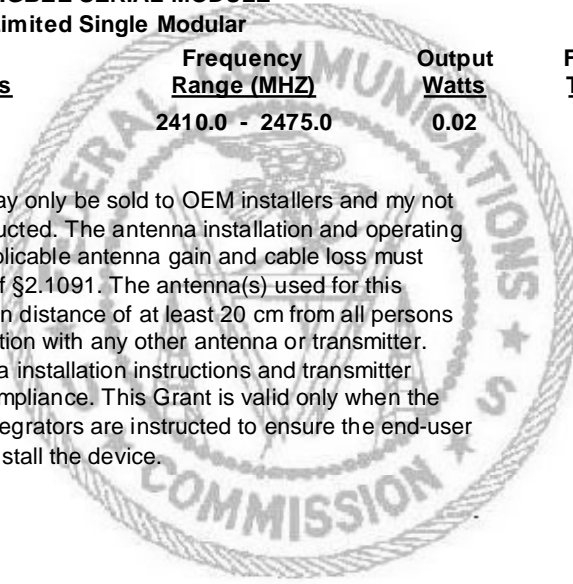
NOT TRANSFERABLE

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: S7AZBLINXZE10
Name of Grantee: Sena Technologies, Inc.
Equipment Class: Digital Transmission System
Notes: ZIGBEE SERIAL MODULE
Modular Type: Limited Single Modular

<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	2410.0 - 2475.0	0.02		

This is a Limited Modular Approval. This device may only be sold to OEM installers and may not be sold to the general public. Power listed is conducted. The antenna installation and operating configurations of this transmitter, including any applicable antenna gain and cable loss must satisfy MPE categorical Exclusion Requirements of §2.1091. 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 operated in conjunction with any other antenna or transmitter. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance. This Grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure the end-user has no Manual Instructions to remove, adjust, or install the device.



Certificate of construction type

Applicant	Sena Technologies, Inc.
Type of specified radio equipment	Technical Regulations for Specified Radio Equipment Article 2, Section 1 (19)
Types of radio wave, Frequency and Antenna power	G1D 2410 - 2475MHz (5MHz ch. separation 14 waves), 0.01W/MHz
Model or Product name	ZBlinx-ZE10
The number of construction design certificate	010WWBT0032
Date of certified	26 February 2010
Remark	

This radio equipment is accredited in accordance with the Japanese Radio Law Article 38, Section 24 (1)

TÜV SÜD Ohtama, Ltd.



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Remark	

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TÜV SÜD Ohtama, Ltd.





방송통신기기인증서
Certificate of Broadcasting and Communication Equipment

인증의 종류 <i>Certification Type</i>	형식등록(Type Registration)
상호 또는 성명 <i>Trade Name or Applicant</i>	(주)세나테크놀로지
기기의 명칭 <i>Equipment Name</i>	특정소출력무선기기(무선데이터통신시스템용 무선기기)
기본모델명 <i>Basic Model Number</i>	ZBlinx-ZE10S
파생모델명 <i>Series Model Number</i>	ZBlinx-ZE10U,ZBlinx-ZE10W,ZBlinx-ZE10C
인증번호 <i>Certification No</i>	SNA-ZBlinx-ZE10
제조사/ 제조국가 <i>Manufacturer/ Country of Origin</i>	(주)세나테크놀로지/한국
형식기호 <i>Type Identification</i>	LARN8-IO3S2410/2475TR0.01G1D14
인증연월일 <i>Date of Certification</i>	2010년(Year) 02월(Month) 08일(Date)
기타 <i>Others</i>	

위 기기는 「전기통신기본법」, 「전파법」에 따라 인증되었음을 증명합니다.
It is certified that foregoing equipment has been certificated under the Framework Act on Telecommunications and Radio Waves Act.

2010년(Year) 02월(Month) 08일(Date)

전파연구소장



*Director General of Radio Research Laboratory
Korea Communications Commission Republic of Korea*

