

**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	:	PARANI-SD1100
Product Description	:	BLUETOOTH 422/485 ADAPTOR
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	:	2010-05-12
TCF Identification	:	RTTE-S1005A

TIMCO NOTIFIED BODY STATEMENT OF OPINION

Issued by	:	Notified Body 1177, TIMCO Engineering, Inc.
Date	:	May 14, 2010
Opinion number	:	TCF-1105KC10
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-1105KC10

Date: May 14, 2010

PRODUCT SPECIFICATIONS

Intended Use/Category	:	SRD – Wideband data transmission system (Bluetooth)
RF output power	:	19.23dBm EIRP
Frequency band (MHz)	:	2402-2480
Modulation	:	FHSS (GFSK, DQPSK, 8DPSK)
Antenna type	:	Dipole Antenna (M/N: R-AN2400-1901RS) Max Gain 5.37dBi Dipole Antenna (M/N: R-AN2400-5801RS) Max Gain 3.17dBi Stub Antenna (M/N: AN2400-3306RS) Max Gain 1.4dBi
Duty cycle (%)	:	81.14