

**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	:	ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD
Manufacturer Address	:	Room 204, Building 2, 690 Bibo Road, Zhangjiang Hi-tech Park
Brand/Trade Name	:	WROOM
Model/Type Designation	:	ESP-WROOM-02
Product Description	:	Wi-Fi Internet of Things Module
Product Specifications	:	Please refer to ANNEX 1

TECHNICAL CONSTRUCTION FILE

Applicant Name	:	ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD
Applicant Address	:	Room 204, Building 2, 690 Bibo Road, Zhangjiang Hi-tech Park
Signed by	:	Minjie Cai, Marketing Manager
Date	:	December 8, 2016
TCF Identification	:	ESP-WROOM-02

TIMCO NOTIFIED BODY STATEMENT OF OPINION

Issued by	:	Notified Body 1177, TIMCO Engineering, Inc.
Date	:	December 21, 2016
Opinion number	:	TCF-2455CC16
On behalf of	:	The President of TIMCO Engineering, Inc.
Signature	:	
Name	:	Bruno Clavier

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. This certificate is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body, (2) the date of modifications to the approved type that may affect the conformity of the apparatus with the essential requirements of this Directive or the conditions for validity of that certificate, or (3) June 12, 2017, whichever comes first.

TIMCO ENGINEERING, INC. P.O. BOX 370 NEWBERRY, FL 32669 www.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-2455CC16

Date: December 21, 2016

PRODUCT SPECIFICATIONS

Intended Use/Category :	SRD – Wideband Data Transmission System - 802.11b/g/n (HT20)
RF output power (EIRP) :	11b: 67.5mW 11g: 71.1mW 11n (HT20): 56.5mW
Frequency range (MHz) :	2412 - 2472
Modulation :	DSSS (BPSK/QPSK/CCK) and OFDM (BPSK/QPSK/16QAM/64QAM)
Antenna type :	Integral