

**TCB**

**GRANT OF EQUIPMENT  
AUTHORIZATION**

**TCB**

**Certification  
Issued Under the Authority of the  
Federal Communications Commission  
By:**

**Bay Area Compliance Laboratory Corp.  
1274 Anvilwood Avenue  
Sunnyvale, CA 94089**

**Date of Grant: 10/19/2018  
Application Dated: 10/19/2018**

**ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD  
456 Bibo Road Room A201  
Shanghai, 201203  
China**

**Attention: Minjie Cai**

**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:** 2AC7Z-WROOM32SE  
**Name of Grantee:** ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD  
**Equipment Class:** Part 15 Spread Spectrum Transmitter  
**Notes:** Wi-Fi & Bluetooth Internet of Things Module  
**Modular Type:** 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	2402.0 - 2480.0	0.002		

Modular approval. Output power listed is conducted. This grant is valid only when the module is sold to OEM or OEM integrators. Modular approval for use as a module in mobile-only RF exposure conditions. Only those antenna(s) tested with the device or similar antenna(s) with equal or lesser gain may be used with this transmitter. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and not be co-located with any other transmitters, except in accordance with FCC multi-transmitter product procedures. Compliance of this device in all final host configurations is the responsibility of the Grantee. End-users must be provided with specific information required to satisfy RF exposure compliance for the final host device. Installation of this device into portable RF Exposure category host devices requires the submission of a Class II permissive change or new application.

