Company: ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD ADD: 456 Bibo Road Room A201,Shanghai,China

TEL: (8621)61062057 FAX: (8621)61062057

E-mail:caiminjie@espressif.com

Applicant		ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD							
FCC ID:		2AC7Z-ESPWROOM02U							
Section 15.212 Modular Transmitters									
Request for Approval		Modular 🛛 Reque		Reque	st for Limited Modular Approval				
	Requirements			EUT Conditions	Comply(Y/N)				
Single Modular Approval Requirements									
1	The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.			ir own tal and located	Refer to external photos. This module has shield cover.	Y			
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation.			puts (if ensure rith part	All inputs to the modules are buffered through logic or microprocessor inputs. Refer to Schematics.	Y			
3	The modular transmitter must have its own power supply regulation.				All power lines derived from the host device are regulated before energizing other circuits internal to the ESP-WROOM-02U. Please see schematic.	Y			
4	The modules modular ap (b) of this second warms and the provision of to modular ap (b) of this second warms and the provision of the modular ap (b) of this second warms and the provision of the modular ap (b) of this second warms and the provision of the modular ap (b) of this second warms are provision of the modular ap (b) of this second warms are provision of the provision of this second warms are provided that the provision of the provision	ith the an system reconstruction of the construction of the constr	ntenn quirem nd 15 eith or en upler the ncludin l insta	nents of .204(c). er be apploy a (at all module and the allation" plicable limited	The EUT has a 2.0mm i-Pex MHF Micro-Coaxial connector to attach an external antenna arrangementfor Wi-Fi, the antenna gain is 2.33dBi, Refer to external photo.	Υ			

5 The modular transmitter must The modular transmitter Υ be tested in a stand-alone can be tested in a standconfiguration, i.e., the module alone configuration. must not be inside another Please refer to setup photo. during device testing for compliance with part 15 requirements. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in §15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see §15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, support or equipment connected to the module during testing shall be unmodified and commercially available (see §15.31(i)). If using a permanently affixed FCC ID is shown on the label 6 and permanently affixed to label, the modular transmitter this modular transmitter. must be labeled with its own please refer to the label FCC identification number, and, drawing. if the FCC identification number is not visible when the module is installed inside another device. then the outside of the device which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter

	Module FCC ID:2AC7Z-		
	ESPWROOM02U " Any similar		
	wording that expresses the		
	same meaning may be used. The		
	Grantee may either provide		
	such a label, an example		
	of which must be included in		
	the application for		
	equipment authorization, or,		
	must provide adequate		
	instructions along with the		
	module which explain this		
	requirement. In the latter case, a		
	copy of these instructions must		
	be included in the application for		
	equipment authorization.		
7	The modular transmitter must	The necessary explanation to	Υ
	comply with any specific rules or	be complied with this	
	operating requirements that	requirement is contained in the	
	ordinarily apply to a complete	user manual, please refers to	
	transmitter and the	the user manual.	
	manufacturer must provide		
	adequate instructions along with		
	the module to explain any such		
	requirements. A copy of these		
	instructions must be included in		
	the application for equipment		
	authorization.		
8	The modular transmitter must	The EUT will comply with	Υ
	comply with any applicable RF	the applicable RF exposure	
	exposure requirements in its	requirements in its final	
	final configuration.	configuration.	

Sincerely Yours,

Signature: Minjie Cai

Typed or Printed Name:Minjie Cai

Title: Manager