

## ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD

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Applican	n†	ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD					
FCC ID:		2AC7Z-ESPWROOM32					
Section 15.212 Modular Transmitters							
Request for Modular Approval 🛛 Request for Limited Modular Approval							
		Requiremen	ts		EUT Conditions	1	ply(Y/N)
		Single N	al 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				Refer to external photos. This module does have shield cover.	Y	
	radio elements.						
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.				All inputs to the modules are buffered through logic or microprocessor inputs.  Refer to Schematics.	Y	
3		ar transmitte wer supply re			Module uses 3.3 V power. Refer to user manual.	Y	
4	with the anti- requirement 15.204(c). T permanently "unique" connections antenna, in "professiona §15.203 is n can apply t	er transmitter enna and trans s of §§15.203, the antenna countenna countenna the resulting the linstallation" of applicable to limited moderaph (b) of this	missionust (15.20)  nust (15.20)  pler (15.20)  nodul (15.20)  proviso mo	on system 04(b) and either be mploy a (at all e and the le). The vision of dules but approvals	The modular transmitter has a PCB antenna arrangement for BT,BLE and Wi-Fi, Refer to internal photo.	Y	

5 The modular transmitter must be The modular transmitter tested in a stand-alone configuration, is connected to the controlled board when i.e., the module must not be inside another device during testing for testing. compliance with Please refer to setup part requirements. Unless the transmitter photo. 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 module must not contain the 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 equipment connected to the module during testing shall be unmodified and commercially available (see §15.31(i)). 6 Refer to the label. Υ If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into 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-ESP-WROOM-32"Any similarwording 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 requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization. 7 The modular transmitter must | Refer to manual comply with any specific rules or requirements operating that ordinarily apply to a complete transmitter and the 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 equipment for

must | Refer to manual

Sincerely Yours,

Minjie Cai

configuration.

authorization.

modular

transmitter

comply with any applicable RF exposure requirements in its final

Signature:

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Printed name: Minjie Cai Title:

Marketing Manager