

Modular Approval Request Letter

Federal Communications Commission

Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

Innovation, Science and Economic Development Canada

Spectrum Engineering Branch
3701 Carling Avenue, Building 94
Ottawa, Ontario K2H 8S2

Modular Approval Request

We, <ShenZhen Sparkleiot Technology CO., LTD>, declare on our sole responsibility and in accordance with Annex-D RSP-100 Issue 12 and CFR 47 Part 15.212 the following for our module identified as follows:

Product Information			
PMN:		FVIN:	
HMN:		ISED Certification Number:	
HVIN:			
Model Name:	XH-C3F, XH-C3M, XH-C3P, XH-C3B, XH-C3U, XH-C3E, XH-C3S, XH-C3L, ESP32-C3_MINI	FCC ID:	2BCLR-XH-C3F

Declaration		
Modular approval requirement	Yes	No *
(a) The radio elements must have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.	Y	
*Please provide a detailed explanation if the answer is "No.":		
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable RSS / part 15 under conditions of excessive data rates or over-modulation.	Y	
*Please provide a detailed explanation if the answer is "No.":		
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	Y	
*Please provide a detailed explanation if the answer is "No.":		

(d) The module shall comply with the provisions for external power amplifiers and antennas detailed in this standard. The equipment certification submission shall contain a detailed description of the configuration of highest antenna gain for each type of antenna.	Y	
*Please provide a detailed explanation if the answer is "No.":		
(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.	Y	
*Please provide a detailed explanation if the answer is "No.":		
(f) The module shall comply with applicable RSS-102 exposure requirements and any applicable FCC RF exposure requirement which are based on the intended configuration/integration in a host.	Y	
*Please provide a detailed explanation if the answer is "No.":		
<i>Only applicable for FCC certification:</i>		
(g) The module must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	Y	
*Please provide a detailed explanation if the answer is "No.":		
(h) The modular transmitter complies with all applicable FCC rules. Instructions for maintaining compliance are given in the user instructions.	Y	

Please do not hesitate to contact us for further explanations or comments.

Sincerely,

Jack Zhang

Signature

Date: 2025-9-12

Printed Name of Signee: Jack Zhang/Manager
Company: ShenZhen SparkleIoT Technology CO., LTD
Address: Room 302, Building A, No. 28, Tongfu Road, Hehua Community, Pinghu Street,
Longgang District, Shenzhen, Guangdong, China
Phone: 17727978187 Fax:
Email: song@sparkleiot.com