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phare labs

Phare Labs Inc  
251 Little Falls Drive  
Wilmington, New Castle County  
Delaware, 19808, United States of America

## FCC Application Cover Letter for Phare C1

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, Maryland 21046

14th March 2025  
FCC ID 2BMW7-PHAREC1

To whom it may concern,

I am submitting the following application for original certification of the product Phare C1 under FCC Part 15.247, Part 15.249, Part 15 Subpart B, Part 27 and Part 24 Subpart E, on behalf of Phare Labs Inc. The product contains a pre-approved 2.4GHz Wi-Fi / BLE module, ESP32-C6-MINI-1 (FCC ID 2AC7Z-ESPC6MINI1), and a pre-approved cellular SiP, nRF9161 (FCC ID 2ANPO00NRF9161). It also contains a 24GHz MMIC radar (BGT24LTR1IN16).

Phare C1 is an advanced multipurpose security device that integrates cutting-edge sensor technology and AI-driven detection capabilities. Designed for residential indoor use, it provides early and accurate fire detection, along with protection against other threats such as carbon monoxide, break-ins, mold, and environmental hazards. Phare C1 is an all-in-one solution for home safety, bringing next-generation smart protection to your living space.

Phare C1 was tested in full to the requirements of the aforementioned rules and was found to be in compliance. Please find attached all required documentation to support this certification request. Should you require any additional information, please do not hesitate to contact us.

Thank you for your time and consideration.

Sincerely,



**Arnaud Donat Duch**  
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