



Federal Communications Commission

Authorization and Evaluation Division

7435 Oakland Mills Rd

Columbia MD 21046-1609

Date: August 28, 2023

Subject: Letter of Declaration on Indoor Client (6XD) and 5.9 GHz U-NII Operation

FCC ID: TKZAW7916-NPD

Product Name: WiFi 6E mini PCIe module

To whom it may concern:

We the undersigned, hereby attest that this device complies with the following requirements of Part 15E of the FCC's rules for the 6GHz and 5.9 GHz bands:

For 6 GHz Low Power Indoor Client (6XD):

- a.) Contention-Based Protocol, as demonstrated in the test report, is permanently embedded in the module and is not host-dependent.
- b.) The device will only associate and connect with a low-power indoor access point or subordinate device and never directly connect to other client devices.
- c.) This device will always initiate transmission under the control of a low-power indoor AP or subordinate except for brief transmissions before joining a network. These short messages will only occur if the client has detected an indoor AP or subordinate operating on a channel. These brief messages will have a time-out mechanism such that if it does not receive a response from an AP it will not continually repeat the request.
- d.) Transmissions will be lower or equal to the power advertised by the indoor low-power access point or subordinate and never above the maximum output power allowed by the FCC grant for equipment class 6XD.
- e.) this device is prohibited for control of or communications with unmanned aircraft systems, including drones.

For Indoor 5.9 GHz U-NII devices:

- a.) Client device (EUT) will not directly connect to another client device.
- b.) Client device (EUT) will only associate and connect with an indoor Access Point (AP) or indoor Subordinate.
- c.) Client device (EUT) will always be under the control of an indoor AP. However, there may exist situations where the client may transmit brief messages, prior to being under the control of an AP, to join an AP network. But these brief messages will only occur if the client has detected a signal confirming that an AP is operating on a particular channel. These brief messages will have a time-out mechanism if the client does not receive a response from an AP.

The integration manual supplied with this module contains all applicable indoor use restrictions and operational restriction warnings to notify the host integrator.

We, AsiaRF Co., Ltd., will document the physical restrictions associated with the equipment classes for



host products (wired power, integral antenna, non-weatherized enclosure) as conditions-of-use through the host manufacture's integration instructions.

Sincerely,

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Signature : 

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