



Date: 2023-09-26
FCC ID: **RF41689B**

To the attention of:
Federal Communications Commission
Authorization and Evaluation Division

6ID / 6PP Attestation Letter

We, **Keyence Corporation**, attest that this device under **FCC ID: RF41689B** complies with device protocol requirements and operational restrictions for Indoor Access Point Devices (6ID) and Indoor Subordinate Devices (6PP).

- a) When configured for Indoor Access Point mode, the method used by this indoor access point to control the associated client/subordinate power control is as follows:
An 11ax IEEE AP's Transmit Power Envelope element has information fields for power limits for connecting client/subordinate devices. The TPE information is contained in this device signals and used by connecting client/subordinate to ensure that it knows the regulatory TX powers it is allowed to transmit at. There is a regulatory info field in this device beacon and probe response frames which details this device type when the client/subordinate associates to this device.
- b) When configured for Indoor Subordinate mode:
 - 1) This device will always be under the control of a low-power indoor AP and will only initiate brief messages to be under the control of an indoor low-power AP. These brief messages will only occur if the subordinate has detected a low-power indoor AP 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.
 - 2) Once under control of an indoor access point, this device will initiate connections with clients, other access points, or other subordinate devices at a lower power or equal to the power advertised by the access point controlling this device and never above the maximum output power allowed by the FCC grant for equipment class 6PP
 - 3) The method this device uses to inform the associated client/subordinate of its permitted maximum power is as follows:
An 11ax IEEE AP's Transmit Power Envelope element has information fields for power limits for connecting client/subordinate devices. The TPE information is contained in this device signals and used by connecting client/subordinate to ensure that it knows the regulatory TX powers it is allowed to transmit at. There is a regulatory info field in this device beacon and probe response frames which details this device type when the client/subordinate associates to this device.
- c) This device is supplied power from a wired connection, has an integrated antenna, is not battery-powered, and does not have a weatherized enclosure.
- d) We acknowledge this device is subject to and in full compliance with the device restrictions listed below. All users are notified of these restrictions through the user manual.
 - 4) This device's operation will not be allowed on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

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- 5) This device is prohibited for control of or communications with unmanned aircraft systems, including drones.
 - e) When configured for subordinate mode, this device has no direct connection to the internet. WAN port is software configured to operate as a LAN port only.

If you should have any questions regarding this declaration, please do not hesitate to contact us, thank you!

Sincerely yours,

Katsuya Ota
Product Safety, Environment & Compliance Department, Department Manager
Keyence Corporation
TEL: +81-6-6379-1111
FAX: +81-6-6325-6818
Email: regulatorykj@keyence.co.jp