



Attestation Letter

Date: *October 24th, 2024*

FEDERAL COMMUNICATIONS COMMISSIONS
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Ref: Attestation Statements per KDB 987594 D01 U-NII 6GHz General Requirements v02r02

We, Airvine Scientific, Inc., attest that this device under FCC ID: 2BAAIWC-1000RH-US00 complies with device protocol requirements and operational restrictions: for Indoor Access Point (6ID) and Subordinate Device (6PP)

For Low-power indoor access points (6ID):

Device Protocol Attestation Statement:

The Low-power indoor access point's Transmit Power Envelope (TPE) element has information fields for power limits for connecting client/subordinate devices. The TPE information is contained in the device signals that are used by connecting client/subordinate devices to ensure that each device knows the regulatory TX powers it is allowed to transmit at. There is a regulatory info field in the access point's device beacon and probe response frames which details this device type when the client/subordinate associates to the access point device.

Statement acknowledging device restrictions:

This AP is powered from a wired connection, has an integrated antenna, is not battery powered, and does not have a weatherized enclosure.

The installation guide will include language stating that FCC restricts operation of the device to indoor use only, 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 only in the 5.925-6.425 GHz band, and that the device is prohibited for control of or communications with unmanned aircraft systems, including drones.

For Indoor Subordinate Device (6PP):

Device Protocol Attestation Statement:

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.

Once under control of an indoor access point, the subordinate will initiate a connection at a lower or equal power level to power level advertised by the access point controlling the subordinate and never above the maximum output power allowed by the FCC grant for equipment class 6PP.



The subordinate device uses the 6ID access point's TPE element that has information fields for power limits for connecting subordinate devices. The TPE information is contained in the access point device signal which is used by the 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 subordinate associates to the 6ID access point device.

Statement acknowledging device restrictions:

This device operates in the 5.925-7.125 GHz band, is supplied power from a wired connection, has an integrated antenna, is not battery-powered, does not have a weatherized enclosure, and does not have a direct connection to the Internet.

The installation guide will include language stating that FCC restricts operation of the device to indoor use only, to 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 only in the 5.925-6.425 GHz band, and is prohibited for control of or communications with unmanned aircraft systems.

Sincerely,

Robert Olstad
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