

Realtek Semiconductor Corp.

No. 2,Innovation Road II, Hsinchu Science Park, Hsinchu 300,Taiwan

Letter of Declaration on Dual Client Operation

Date: 2022/6/7

Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

FCC ID : TX2-RTL8852CE

To Whom It May Concern:

We, Realtek Semiconductor Corp., attest that this device under FCC ID TX2-RTL8852CE complies with device protocol requirements and operational restrictions:

1. Protocol attestation statement:

- a. An 11ax IEEE device'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. This device will only associate and connect with a low-power indoor Access Point, subordinate device, or standard access point and never directly link to any other client devices.
- c. This device will always initiate transmission under the control of a low-power indoor AP or subordinate or standard client except access point for brief communications before joining a network. These quick messages will only occur if the client has detected an indoor AP, subordinate, or standard access point 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. Statement that this device, when associated and connected with a low-power indoor access point, subordinate or standard access point device, will operate at a power lower as advertised by the indoor access point, subordinate, or standard access point:
 - i. lower than or equal to the power advertised by the low-power indoor access point or subordinate and never above the maximum output power allowed by the FCC grant for clients associated with indoor clients or subordinates.
 - ii. lower than or 6 dB below the power advertised by the standard access point.
- e. Contention-Based Protocol, as demonstrated in the test report, is permanently embedded in the module and is not host-dependent.

2. Statement acknowledging device restrictions:

- a. Prohibited for control of or communications with unmanned aircraft systems, including drones.
- 3. Device Restriction statements: We, the grantee, 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 manufacturer's integration instructions.

Respectfully,

Applicant's company name : Realtek Semiconductor Corp.
Applicant's company address : No. 2,Innovation Road II, Hsinchu Science Park, Hsinchu 300,Taiwan

Signature : 

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