

Purpose of Application

The purpose of this permissive change is to add a new Stamped Metal Embedded Antenna with an associated reference trace design to the original modular approval.

This device has been approved under "FCC ID: UXU1MW". It will be installed into a host with a different reference trace and different antenna and therefore a Permissive Changes is being requested to cover the radiated spurious emissions associated with this change.

In addition, only the Bluetooth Low Energy (BLE) mode of the Bluetooth functionality is used in this particular application of the module. All other Bluetooth modes will be disabled.

The module will ultimately be integrated into other host(s) that are being addressed in other applications. This application is to only intended to cover the module and changes to its reference trace. Note that the block diagrams, BOM, schematics are taken from of one of the hosts the module will ultimately be used with.

The future host will include the 1MW Wi-Fi/BLE/UNII, and two 802-15.4 Thread/6Low Pan radio operating at 2.4 GHz.

It is understood that to use these TX's in the future in these hosts would require an appropriate PC application.

The antenna gain has increased and the device serves as a WiFi client, so DFS testing was not required to be re-tested.

Testing was performed on a representative PCB with no enclosure.