



June 22, 2022

Memorandum for the Record

Re: Wireless Transmitters on Namatad FIREFLY devices.

This memorandum describes the functional operation of the Namatad, Inc. FIREFLY devices. The FIREFLY N1 devices contain multiple transceivers through the inclusion of a single ESP32 WROOM module, which includes both WiFi and Bluetooth transceivers that share a single 2.4 GHz antenna, and a single Decawave / Qorvo UWB transceiver. Each device is provisioned with Namatad firmware that controls the operation of all device components. Within firmware, the three transmitters are specifically configured to never transmit concurrently. We have included specific transmitter configuration settings that preclude any two transceivers from transmitting at the same time.

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