



Application for Class II Permissive Change by Northwest EMC TCB Committee

Attachment: Cover Letter

This application is for a Class II Permissive change for the 37x Torpedo + Wireless -31 SOM manufactured by Logic PD. The 37x Torpedo + Wireless SOM-31 utilizes 2.4GHz and 5GHz radio transceivers on an Epcos WLAN/GPS/BT/FM Modules. It is a combination 802.11 a/b/g/n and Bluetooth radio module. The 37x Torpedo + Wireless SOM -31 contains a microprocessor (Texas Instruments AM/DM37x series) plus the radio module. The 37x Torpedo + Wireless SOM -31 is sold to OEMs for integration into their devices. Full modular approval was originally sought as a DTS device under FCC rules 47 CFR 15.247 and 47 CFR 15.407.

The radio utilized unique antenna connections. This configuration satisfies the requirements of 47 CFR 15.203.

The Epcos module does include an FM transceiver, but this device is not enabled by default and the signals are not accessible to OEM integrators.

The product contains an embedded communications module whose primary function is communication. To support these operations, the embedded communications module supports the following capabilities:

- 802.11 a, b, g, n: Products sold in the US will be constrained to operate only in the 2.4, 5.2, and 5.8 GHz bands. DFS bands be disabled at the factory. Per FCC KDB 442812 D01 SDR Apps Guide v02, third parties (end users, professional installers, and distributors) **using our provided software** will not have the ability to configure or operate the radio outside the limits of this filing and associated grant.
- Bluetooth and Bluetooth Low Energy (BLE)

This application is submitted as a Class II permissive change due to changes in the UNII rules for 5GHz Wi-Fi. The FCC ID for the product is **FCC ID: YKP1024119**.

Respectfully Submitted,

Signature of the FCC Authorized submitter

Date

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Title: Sr. Development Quality Engineer