



To Whom It May Concern:

The MTDOT-915 is a Long Range 868/915 MHz ISM Radio Module using a Semtech SX1272 – Low Power Long Range Transceiver.

WE, MULTI-TECH SYSTEMS INC., 2205 Woodale Dr., Mounds View Minnesota 55112 United States, are seeking a Class 2 Permissive Change per FCC 15.247:2015.

The reason for the Class 2 Permissive Change is to add DTS and FHSS modes of operation. For FHSS mode more channels have been added to the hybrid mode of operation but the same frequency range is maintained (902.3 to 914.9 MHz). In DTS mode a second frequency band has been added through software and not through any hardware modification to support the new DTS operating mode (902.5 - 927.5).

DTS mode will operate at the same configurable single channel in both transmit and receive with a bandwidth of 500KHz. In DTS mode a second frequency band has been added through software and not through any hardware modification to support the new DTS operating mode (902.5 - 927.5).

FHSS mode will operate at one of 64 randomly chosen channels with a bandwidth of 125KHz when in transmit mode. When in receive mode the device will operate on a channel that is mapped into by the original transmit channel at a bandwidth of 500KHz. For FHSS mode more channels have been added to the hybrid mode of operation but the same frequency range is maintained (902.3 to 914.9 MHz).

The hardware remains identical and there was no increase in the output power from the original grant.

FCC ID is AU792U13A16857.

Sincerely,

Mike Lynch
Engineering Manager Certification
Multi-Tech Systems, Inc