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Federal Communications Commission

Exhibit F, Operational Description Statement

The product proposed to be listed as FCC ID: TEB-HUNTTS764 is a communication module to communicate with display modules, thermostats or other devices using ZigBee communication protocol. The radio functions over the 16 ZigBee frequencies with RF output centered at frequencies 2.405 GHz (Channel 11), 2.480 GHz. (Channel 26) and the 14 other channels spaced 5 MHz apart between them. The ZigBee RF module is not considered a software defined radio (SDR) because the end-user will not have the ability to change or alter any of the following parameters: frequency range, modulation type, output power.

The product not only communicates with devices in the home using ZigBee protocol but also is part of a two-way communication system that receives downstream Power Line Carrier (PLC) commands from an electrical substation as part of a TS2 Automatic Meter Reading (AMR) system. The module is also able to transmit a variable packet of data to the electrical substation's Substation Processing Unit (SPU) via upstream PLC.