



GE Energy

Technology  
Optimization and Control

1631 Bently Parkway South  
Minden, NV 89423  
USA

September 22, 2009

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046

Re: Letter of Similarity

Gentlemen:

The Essential Insight.mesh product family includes two types of radio modules that relay the transducer signals from the monitoring point back to the Manager Gateway module. The wSIM (wireless sensor input module) connects to the transducers, process the signal and sends the data over to a Dust radio, DN2140, to get relayed over the Dust wireless mesh network. Sometimes the distance is too great or the signal strength between wSIMs is poor. To improve the mesh's signal quality a Repeater can be placed into the mesh matrix. The Repeater uses the same type of Dust radio as that in the wSIM. Both units fit into the same basic form-factor, except that the wSIM has transducer ports that four sensors can connect to it.

Both the wSIM, 185310-01, and Repeater, 185350-01, use the same main board that includes the radio with a fixed antenna, microprocessor, power management network and also includes all of the same components on the board (even the same universal firmware code). The only different is that the wSIM has some additional circuitry on a separate board that interfaces the transducer signals and then sends the data over to the main board. All of the hardware and firmware used in the Repeater is in the wSIM.

The two different modules operate in the same manner, used the same hardware, same firmware code and radio with fixed antenna. For these reasons, we wish to use the same FCC ID number: XFU-18531001.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeff Schnitzer', written over a circular stamp.

Jeff Schnitzer  
General Manager  
Bently Nevada, LLC