



Sensonix Incorporated
15755 32nd Avenue North
Plymouth, Minnesota 55447

Tele 763.519.7042
Fax 763.519.7028
Web www.sensonix.com

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To Whom It May Concern:

This letter is to summarize the Class II permissive change being made to the 900 MHz frequency hopping spread spectrum radio module known by its FCC Identifier TGUDX80, and already carrying a Limited Modular Approval (LMA) certification.

- The certification is expanded to allow usage of a greater number of hopping channels.
 - The total number of channels available to hop on is 64, up from 27.
 - Not all hopping channels will necessarily be used, but the ones that are used will be chosen in a pseudorandom order and will have uniform dwell times on all of them.
 - The center frequency of the lowest and highest channels has been shifted slightly, but our test scans will show that this change does not violate any band-edge requirements. The lowest channel is now centered at 902.4 MHz, and the highest is 927.6 MHz. Previously these were 902.5 and 927.5, respectively.
- The certification is expanded to allow longer dwell time on a given channel while still staying within the bounds of the FCC guidelines and within the duty cycle de-rating expectations set up by the original certification.

In summary, this certification has relatively low impact upon the system but is being obtained to provide some useful operational features to our customers and to gradually evolve the performance of the radio system.

As stated in earlier class 2 permissive change letters, this change builds upon the original TGUDX80 certification obtained in 2005 but does not seek to change any of the hardware or essential emissions characteristics of the radio. It only affects the number of channels and the dwell time on each channel, with that small change to the center frequencies of the channels at the upper and lower extremes as mentioned above.

Sincerely,

A handwritten signature in black ink, appearing to read "Brent Holm".

Brent Holm
Senior Design Engineer
Sensonix, Inc.