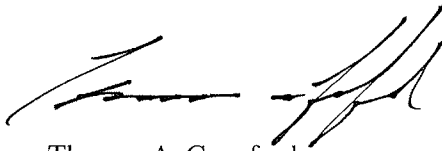


FCC Part - 15.247(g) Compliance with Hopping Sequence

The Xemics transceiver IC, XE1202, complies with Section 15.247(g) which states “a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.”

Section 15.247 (a)(1)(i) states “For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.”

The Personnel Alert base station utilizes a frequency table of 50 frequencies with a spacing of 500 kHz and a range from 902.5 MHz to 927 MHz. The FSK deviation is 100 kHz and the base band bandwidth is 200 kHz.



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