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FCC
Federal Communications Commission

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Additional declaration part according to FCC 15.247 for a 902 MHz to 928 MHz FHSS devices

1. Frequency range

The frequency range of this device is 902.75 to 927.25 MHz as declared by the applicant.

2. Examples of hopping sequences

Example of a 50 hopping sequence:

27, 26, 2, 49, 48, 4, 50, 36, 34, 14, 33, 31, 6, 5, 46, 39, 25, 9, 23, 40, 18, 19, 3, 13, 7,
20, 8, 30, 24, 10, 32, 28, 16, 17, 11, 45, 15, 35, 29, 22, 43, 12, 47, 21, 44, 38, 37, 41,
1, 42

3. Equally average use of frequencies in data mode

The use of frequencies will be pseudo randomly generated. So the near term distribution of hops appears random, the long term distribution appears evenly distributed over the hop set, and sequential hops are randomly distributed in both direction and magnitude of change in the hop set.

4. The receiver input bandwidth

The IF bandwidth of the receiver is 1 MHz centered at 0Hz IF frequency (direct conversion) followed by digital filtering in the digital part of the receiver. The bandwidth of the digital filter depends on the tag data rate on the air interface.