MICROELECTRONICS TECHNOLOGY Inc.

Statement of Declaration

FCC ID : MAD-RU-888-0

Product : RFID UHF MODULE PCB ASSEMBLY

Model : RU-888-0

1. Output power and channel separation of a Hopping device in the operating mode:

In the operating mode, device turn on the RF Carrier, TX data with ASK modulation then RX data which without modulation in the pure RF carrier, then turn off RF carrier with the specification of Dwell time. The output power and the channel spacing is not change in the operating mode.

2. Frequency range of a Hopping device:

Hereby we declare that the frequency range of this device is: 902 – 928 MHz.

3. Example of a hopping sequence in operating mode:

Example of an operating mode with 50 hopping sequences:
11,26,10,37,20,36,2,46,14,28,22,40,5,48,6,31,12,32,7,38,23,0,33,25,49,8,24,34,3,17,29,1,43,15,27,9,41,16,35,21,42,4,47,19,39,18,45,13,44

4. Dwell time in Operating mode

The dwell time (0.0805 s within a 20.4 second period) in operating mode is independent from the TX/RX data. The calculation for a 20.4 second period is a follows:
Dwell time = time slot length * hop rate / number of hopping channels *20.4s

5. Channel Separation in operating mode

The nominal channel spacing of the Hopping system is 500 KHz independent of the operating mode. This was checked during the HOPP Qualification tests for three frequencies (902.75, 914.75, 927.25 MHz).
Additionally, an example for the channel separation is declared in the test report

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6. Channel Separation in operating mode

The nominal channel spacing of the Hopping system is 500 KHz independent of the operating mode. This was checked during the HOPP Qualification tests for three frequencies (902.5, 915, 927.5 MHz).

Signature

Name/Title: **Michael Lee / Section Manager**