

## Duty Cycle Declaration 2612011024000

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**Subject:** To calculate RMS of radiated values the maximum duty cycle is needed.

### Maximum duty cycle with Hardware HVIN 1201102 with Bluetooth:

Theoretical 255 Byte / 8 ms at 1 Mbit/s are possible leading to  $255 \cdot 8 / 1000000 / 0.008 = 0.255 = \mathbf{25.5\% DC}$   
A higher duty cycle is not possible using this hardware with the Bluetooth standard.

### Typical maximum duty cycle with 2612011024000, so Hardware HVIN 1201102 with application firmware:

Typically the maximum duty cycle is 10.8 kByte / sec at 1 Mbit/s are possible leading to  $10800 \cdot 8 / 1000000 = 0.0864 = \mathbf{8.64\% DC}$