

APPENDIX 4: Tested Pulse train

1. Normal Mode

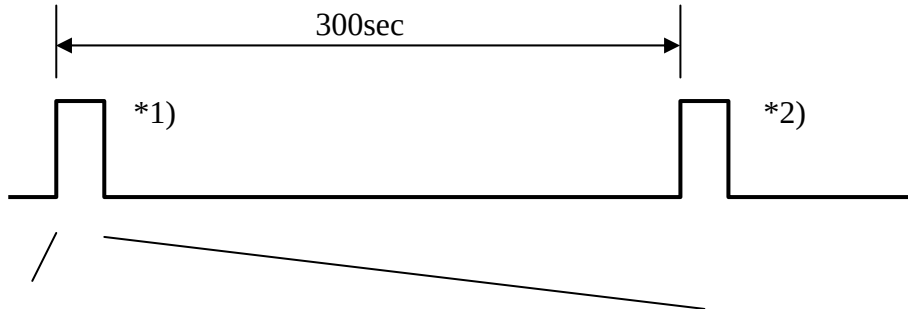
Operation in FCC15.231(a)(3) (Limit: total ≤ 2 sec per hour)

Total duration of transmissions at Wake UP: $16.83\text{msec} \times 10 = 168.3\text{msec}$

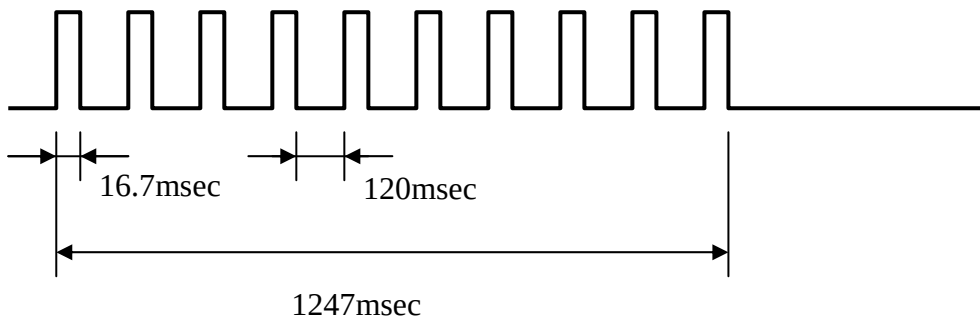
Total duration of transmissions per time at Periodic transmission: $16.83\text{msec} \times 5 = 84.15\text{msec}$

Total transmission times per hour: $168.3\text{msec} + (84.15\text{msec} \times 11) = 1093.95\text{msec} < 2\text{sec}$

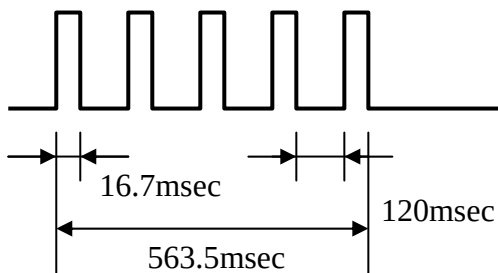
Periodic transmission interval



***1) Wake UP (Only start up)**



***2) Periodic transmission (Except wake UP, 300sec interval)**



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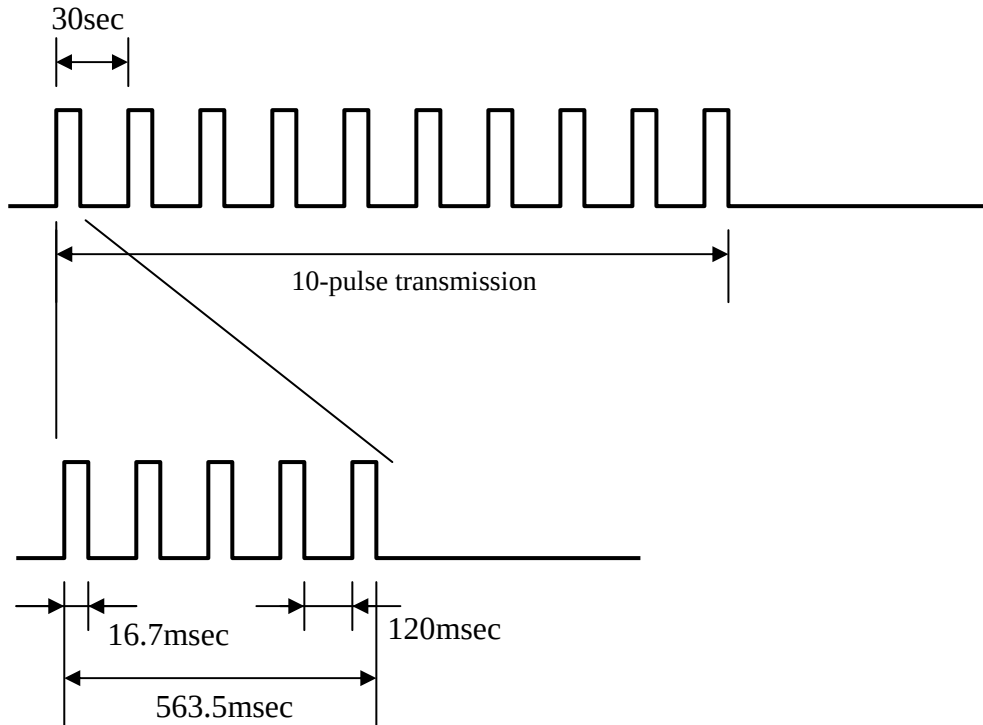
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2. Alarm Mode

Operation in FCC15.231 (e)

Duration of transmission: 563.5msec < 1sec

Silent period between transmissions: $30\text{sec} - 0.5635\text{sec} = 29.4365\text{sec} > 30\text{times the duration of transmission and } 10\text{sec}.$



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