

Timing Diagram and Duty-Cycle Calculation:

Below is a capture of the transmission pulse.

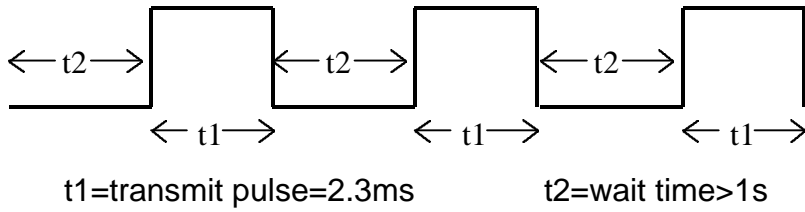


Tag On Transmission Pulse



Tag Off Transmission Pulse

Assuming the worst case is 100% on, the device transmits 2.3ms per pulse at the rate shown below.



This calculates to the maximum averaging factor allowance (-20dB).

$$\text{AveFact} = 20 \times \log (2.3\text{ms}/1000\text{ms}) = -52\text{dB}$$

Therefore, a **20dB** reduction is taken for all peak readings above 1GHz.