.Worst Case Transmit Duty Cycle for ZMN2430

The duty cycle de-rating factor used in the calculation of average radiated limits (per 15.209) is described below. This factor was calculated by first determining the worst case scenario for system operation.

The worst case operating scenario is as follows:

Maximum transmit time/on equals 0.5ms over a 100 ms period.

The transmission duty cycle correction factor is then calculated as:

$$20 \log_{10} (0.5\text{ms}/100\text{ms}) = \textbf{-46.02dB}$$

I hereby declare that the above statement is true and accurate.

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September 6, 2007