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October 8th, 2012

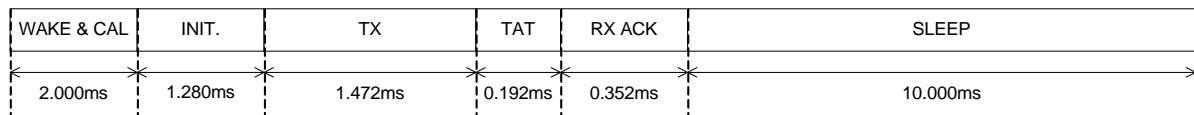
MANUFACTURER'S LETTER IN SUPPORT OF THE APPLICATION OF DUTY CYCLE

TYOJN5148U0

To Whom It May Concern:

In normal operation the equipment employs pulsing at a variable rate, depending on the application. We declare a duty cycle of 10% and quotes IEEE 802.15.4: "The specifications of IEEE STD 802.15.4-2003 are tailored for applications with low power and low data rates (a maximum of 250 kb/s and down to 20kb/s). Typical applications for IEEE 802.15.4 devices are anticipated to run with low duty cycles (under 15). This will make IEEE 802.15.4 devices less likely to cause interference to other standards".

Below are the timings for a typical network scenario.



Comprising:

Wake up and radio calibration`	=	2.000ms
Initialization including Back off, CCA and Turnaround Time	=	1.280ms
TX 40 byte payload + preamble and length = 46 x 32uS	=	1.472ms
Turn Around Time	=	0.192ms
RX ACK	=	0.352ms
SLEEP	=	10.000ms
Total time	=	15.296ms
Duty cycle	(1.472/15.296) x 100% =	9.623%

Thank you for your attention to this matter.

Yours faithfully

Full Name

Mr Conrad V Farlow

NXP Laboratories (UK) Ltd