Duty Cycle



SHORT DESCRIPTION ON DUTY CYCLES:

The current drain (as per manufacturer) for the Icom F50 and F60 are as follows:

1. Transmit: 1.5A
2. Receive: 0.3A
3. Standby: 0.085A

Let's work out a duty cycle based on 10/10/80 (TX/RX/Standby)

For an 8 hour shift:

- 1.5A x 8 x 10% = 1.2A
- 0.3A x 8 x 10% = 0.24A
- 0.085A x 8 x 80% = 0.544A

Total usage in 1 x duty cycle is 1984mAh

NOTE:

- NiMH Batteries only have a duty cycle of between 500 & 600 charges and a usage life of 1 to 2 years.
- NiCd Batteries charge as many times as you want, they have a shelf life of 5 years, usage life ± 3 years. However they are prone to the "Memory" effect.
- Li-ion Batteries have a duty cycle of 800 charges, and can last up to 2 years but more expensive than NiMH.

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