



# BLUE PUCK BATTERY LIFE CURVES

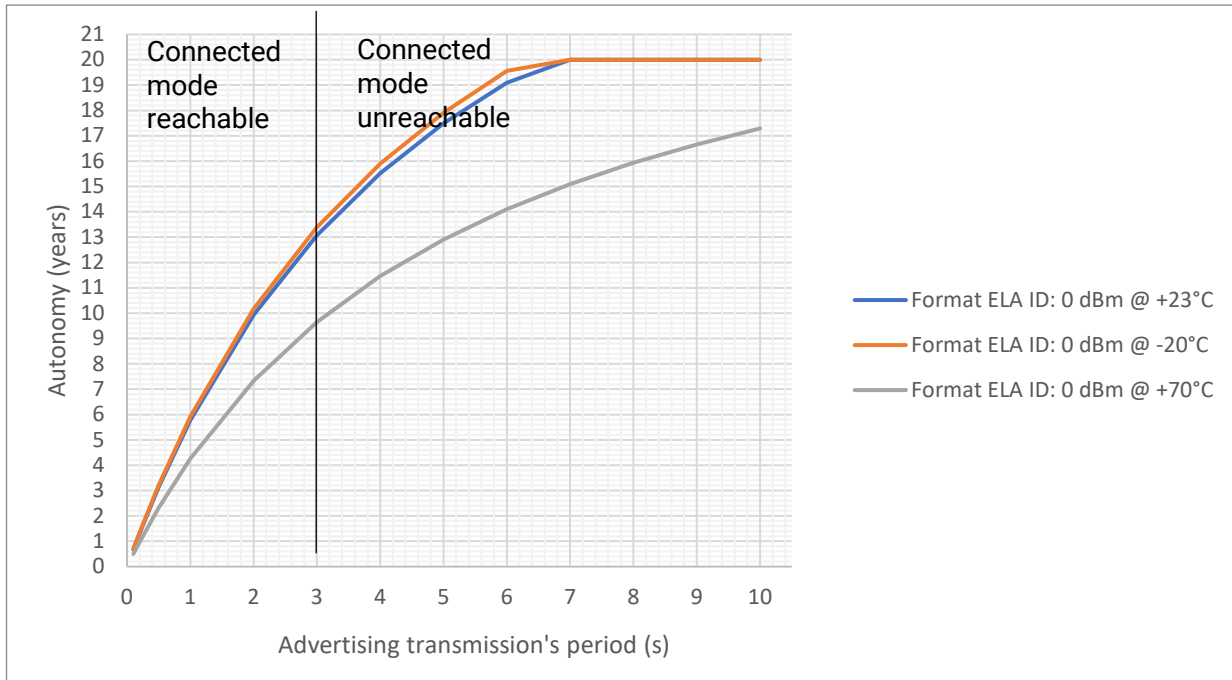


### CONDITIONS

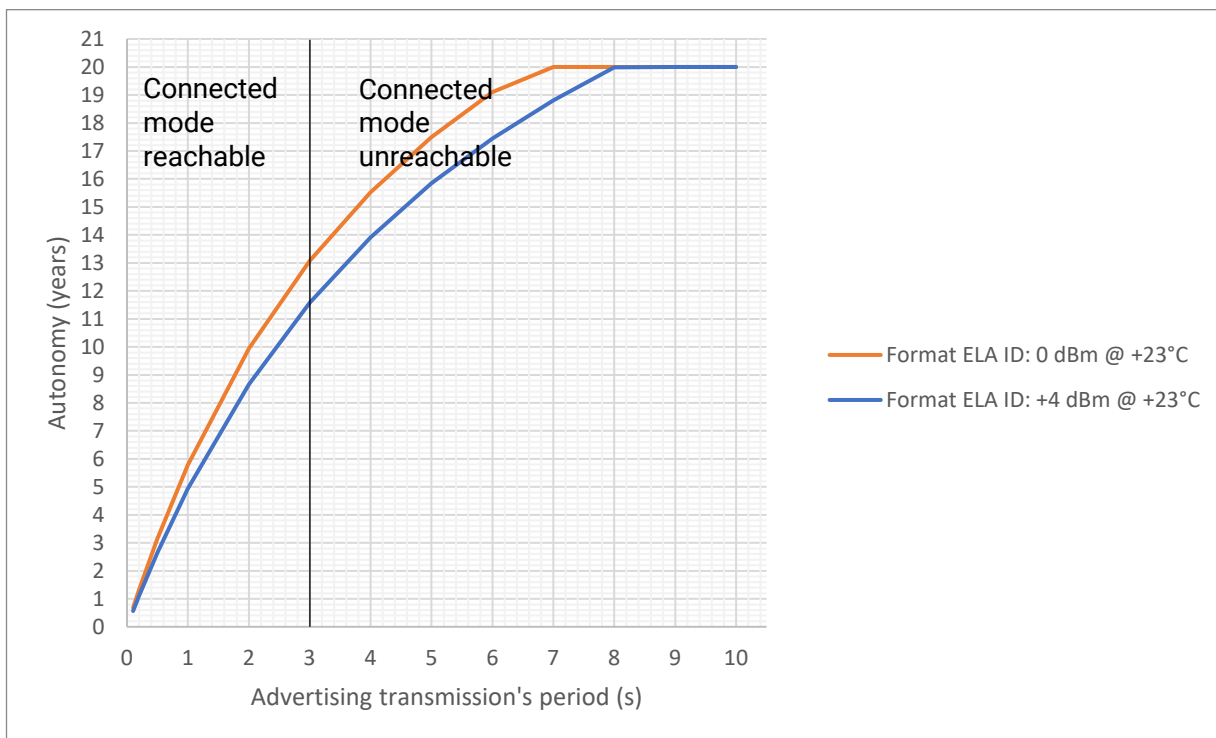
The autonomy measurements in this document were carried out with the following input parameters :

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- **Products** : Blue PUCK ID / iBeacon / Eddystone / T / T EN12830 / RHT / MAG / MOV / ANG / AI / DI / DO / BUZZ / T Probe / PIR
- **Firmware Version**: v3.x.x
- **Periodic transmission** : from 0,1 seconds to 10 seconds
- **Transmission power** : 0 dBm & + 4dBm
- **MAG & MOV format** : Average of 1 event detect each 30 minutes.
- **DI format** : Average of 1 event detect each 30 seconds.
- **BUZZ format** : Average of buzzer use once a week, with a duration of 30 seconds.
- **T EN12830 & T PROBE format** : Download of 4000 values once a day. One recorded value each 20 seconds.
- **Self discharge** : A 10% battery capacity discount is applied in the autonomy calculation. The battery's self-discharge and the intrinsic lifespan of its chemical content, limit its use to 20 years, including in storage..

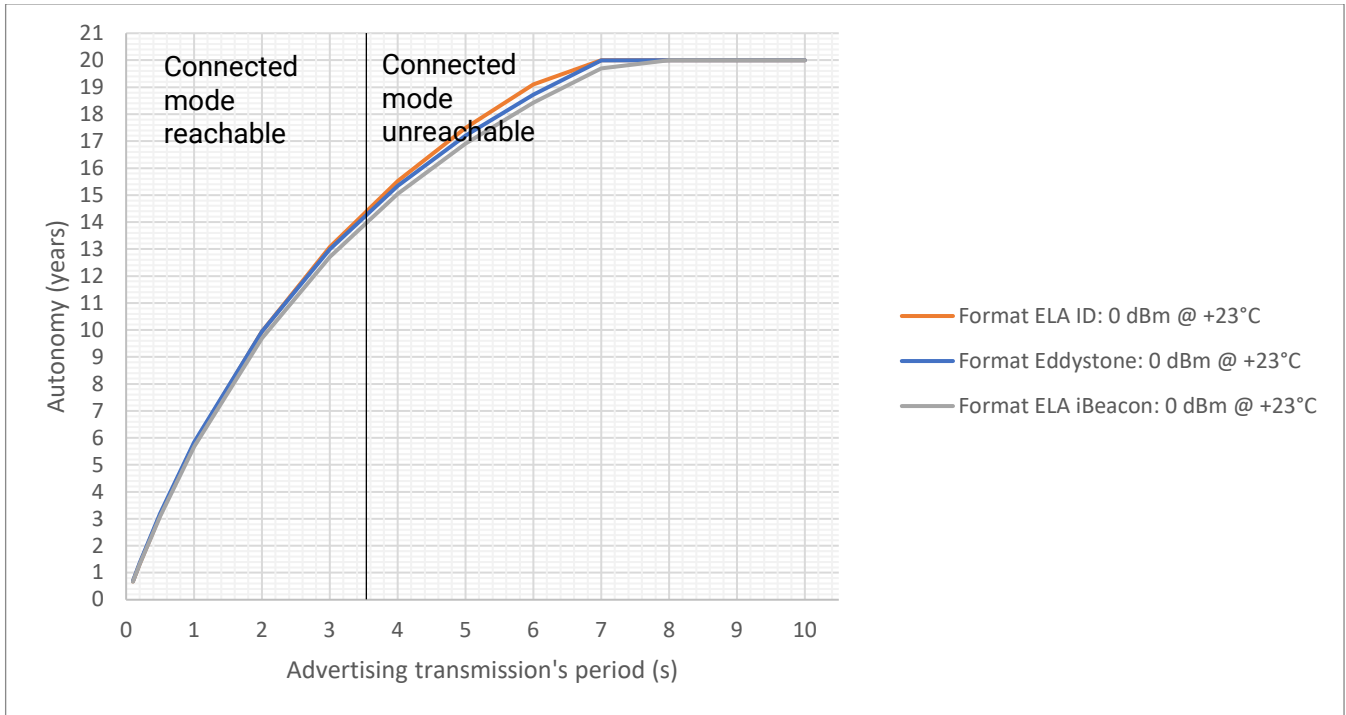
## BLUE PUCK ID AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD AND TEMPERATURE



## BLUE PUCK ID AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD AND POWER TRANSMISSION



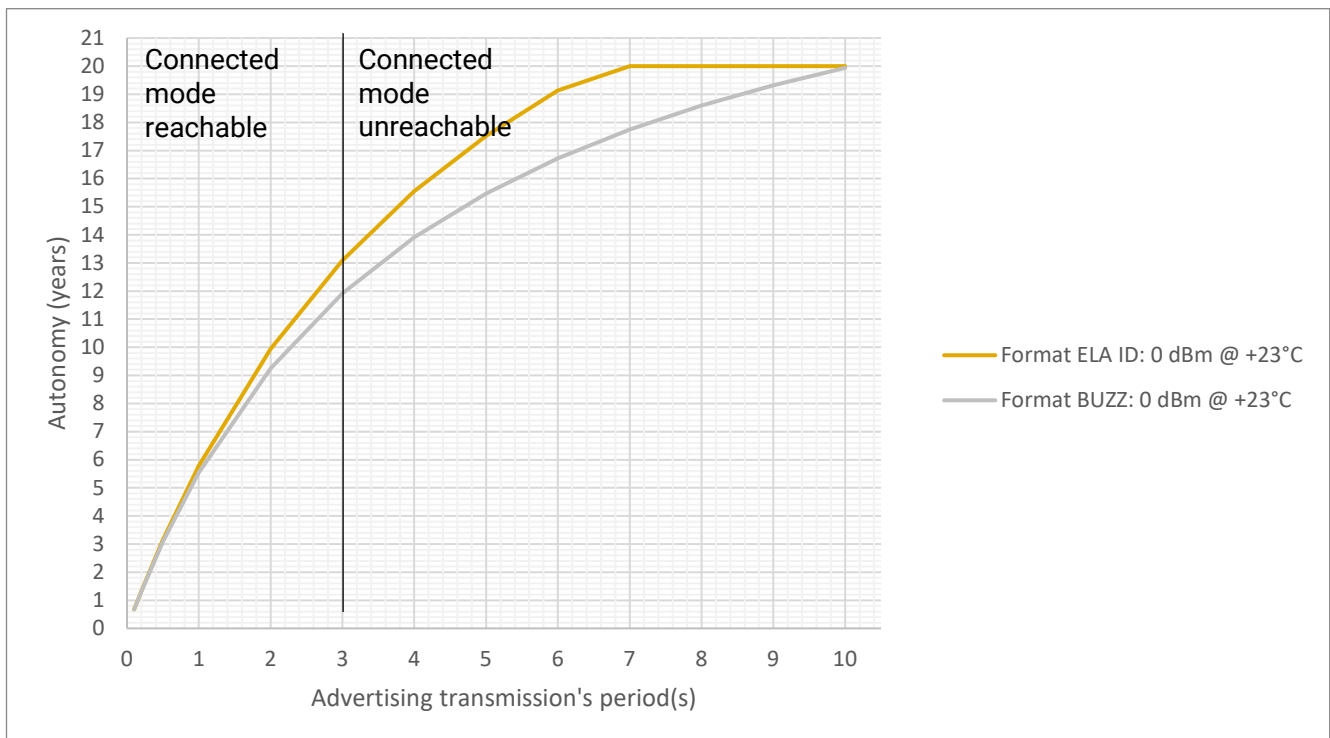
## BLUE PUCK ID AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD AND TRANSMISSION FRAME FORMAT.



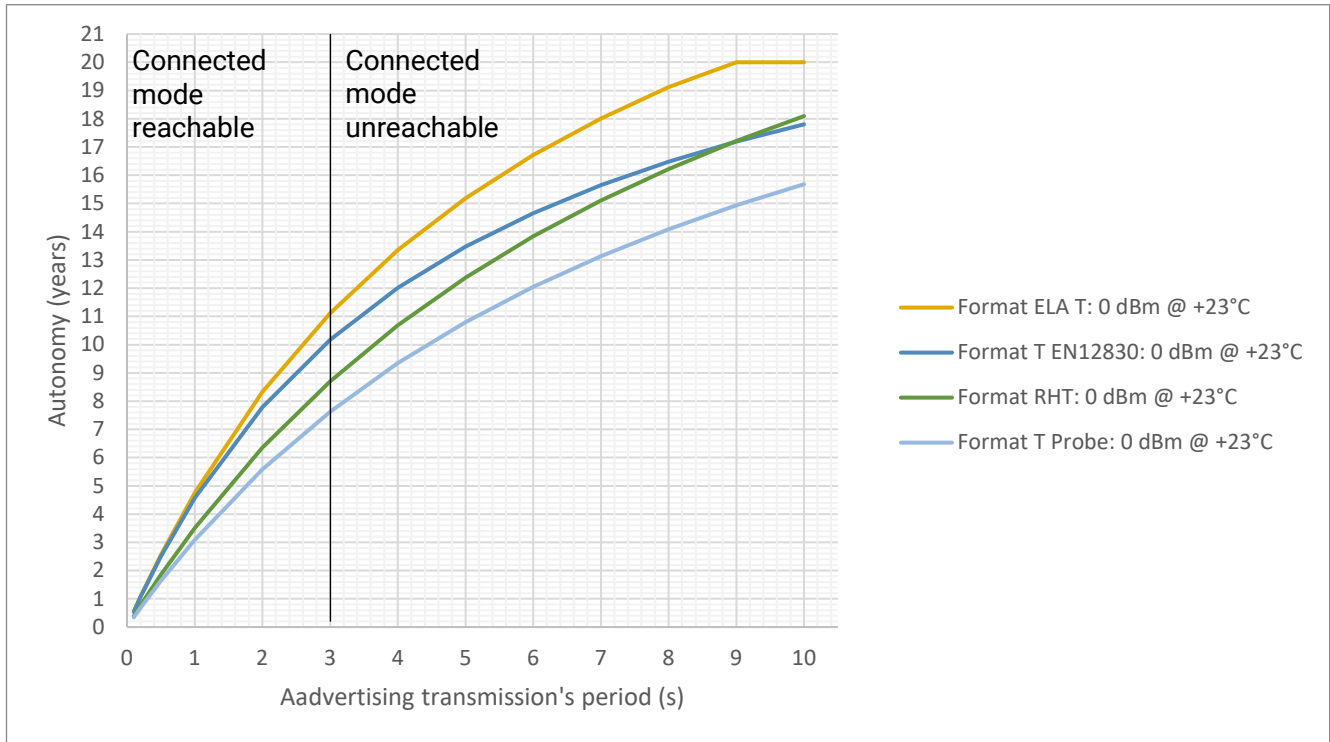
## BLUE PUCK ID, BLUE PUCK BUZZ AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD.

The buzzer is use once a week, with a duration of 30 seconds.

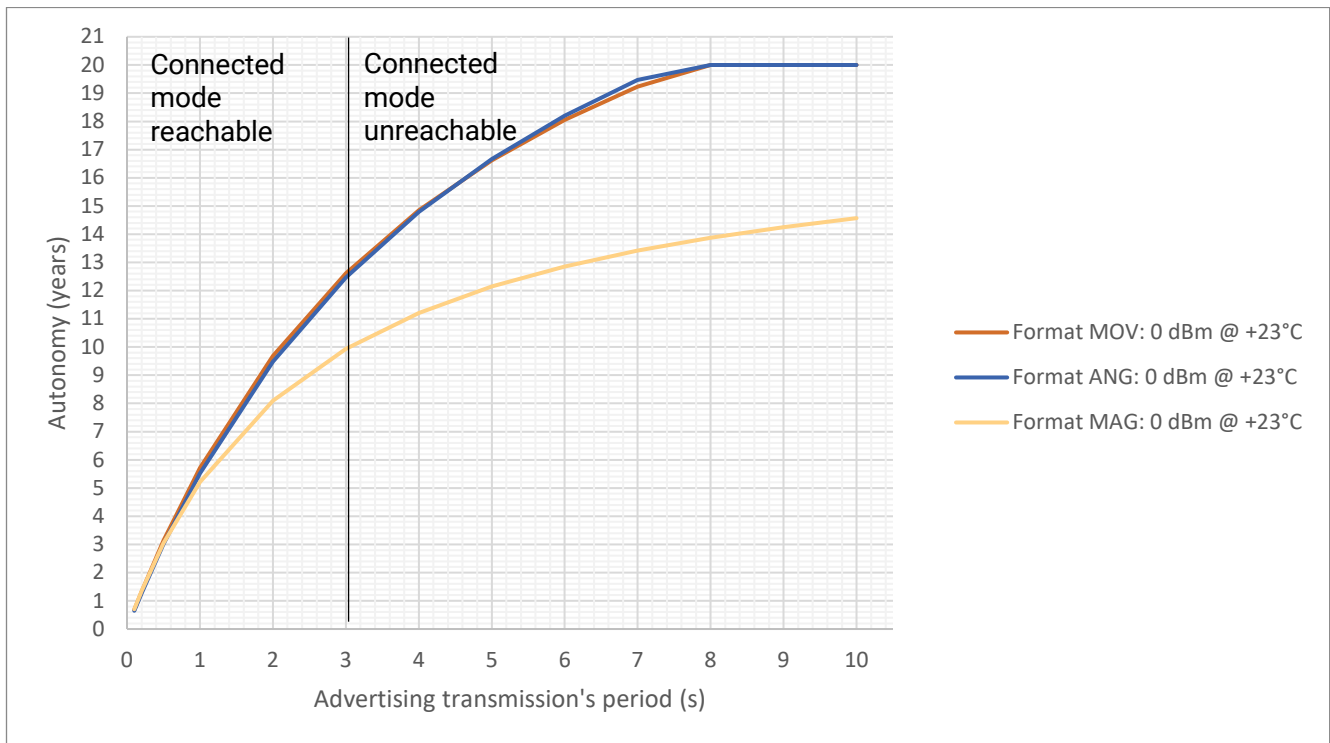
**The buzzer function is unreachable if the transmission period is higher than 3 seconds**



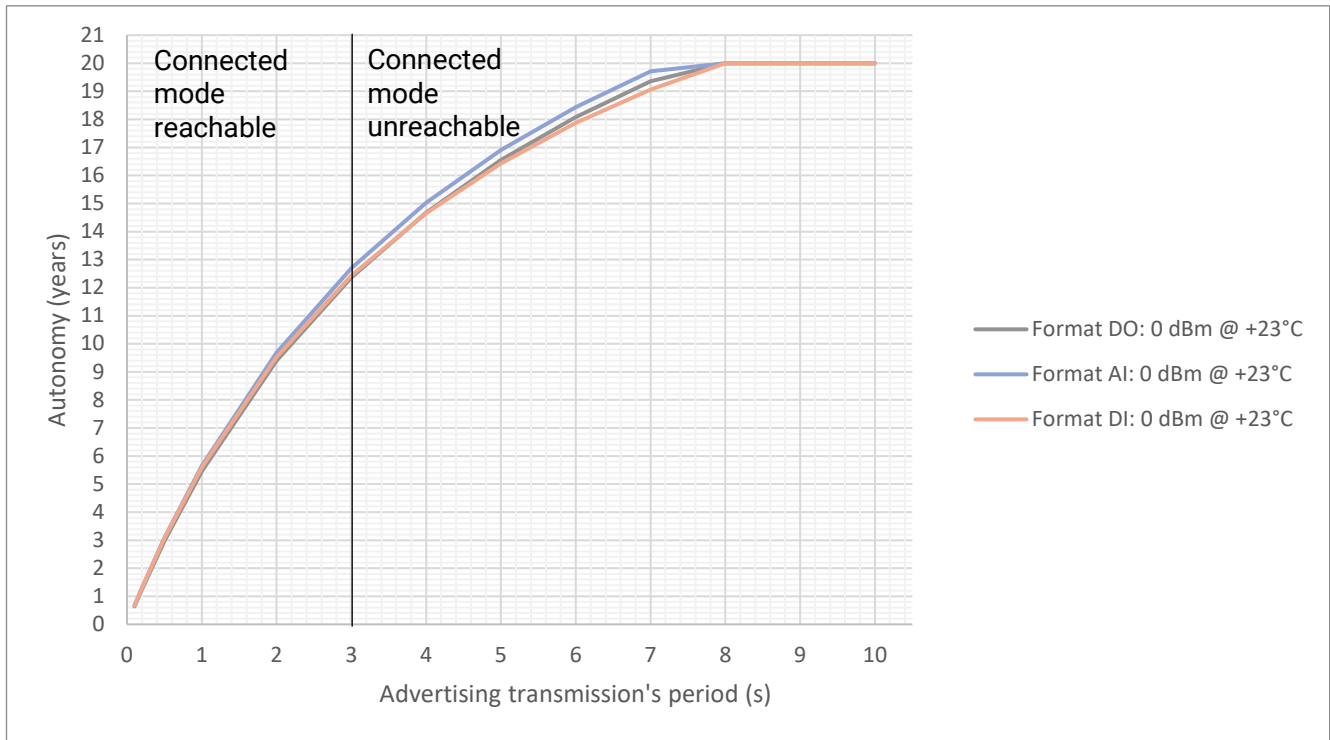
## BLUE PUCK T, TEN12830, T-PROBE & RHT AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD.



## BLUE PUCK MOV & MAG AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD



## BLUE PUCK DI, DO & AI AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD



## BLUE PUCK PIR AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD & SENSITIVITY LEVEL

Sensitivity level for the PIR sensor: define the maximum detection distance :

Sensi 0: 50cm ; sensi 1: 1m ; sensi 2: 2m ; sensi 3 : 5m

