

BLUE PUCK BATTERY LIFE CURVES

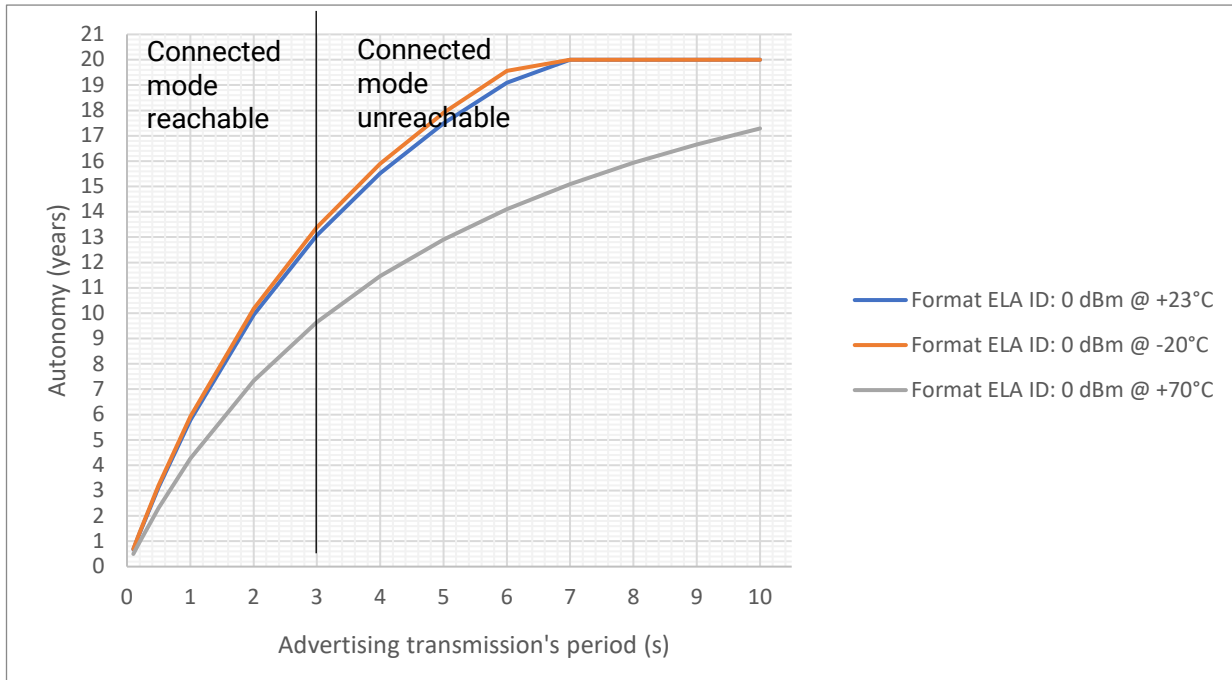


CONDITIONS

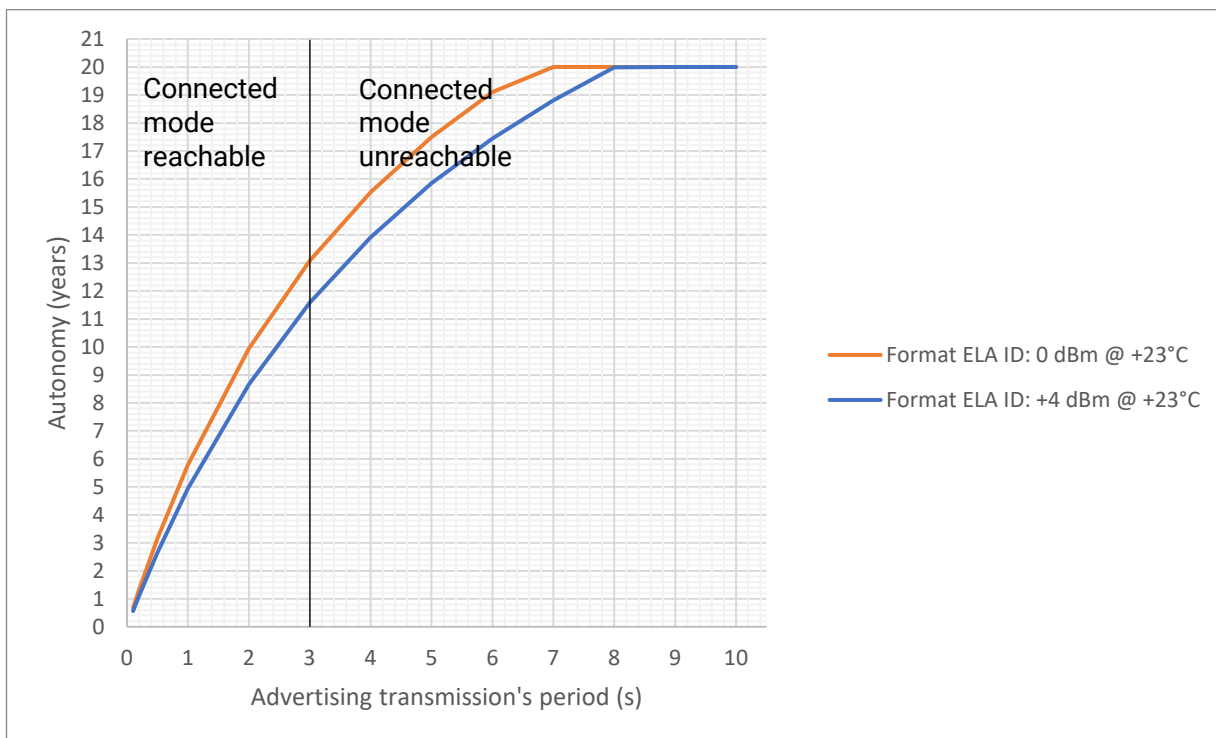
The autonomy measurements in this document were carried out with the following input parameters :

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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..

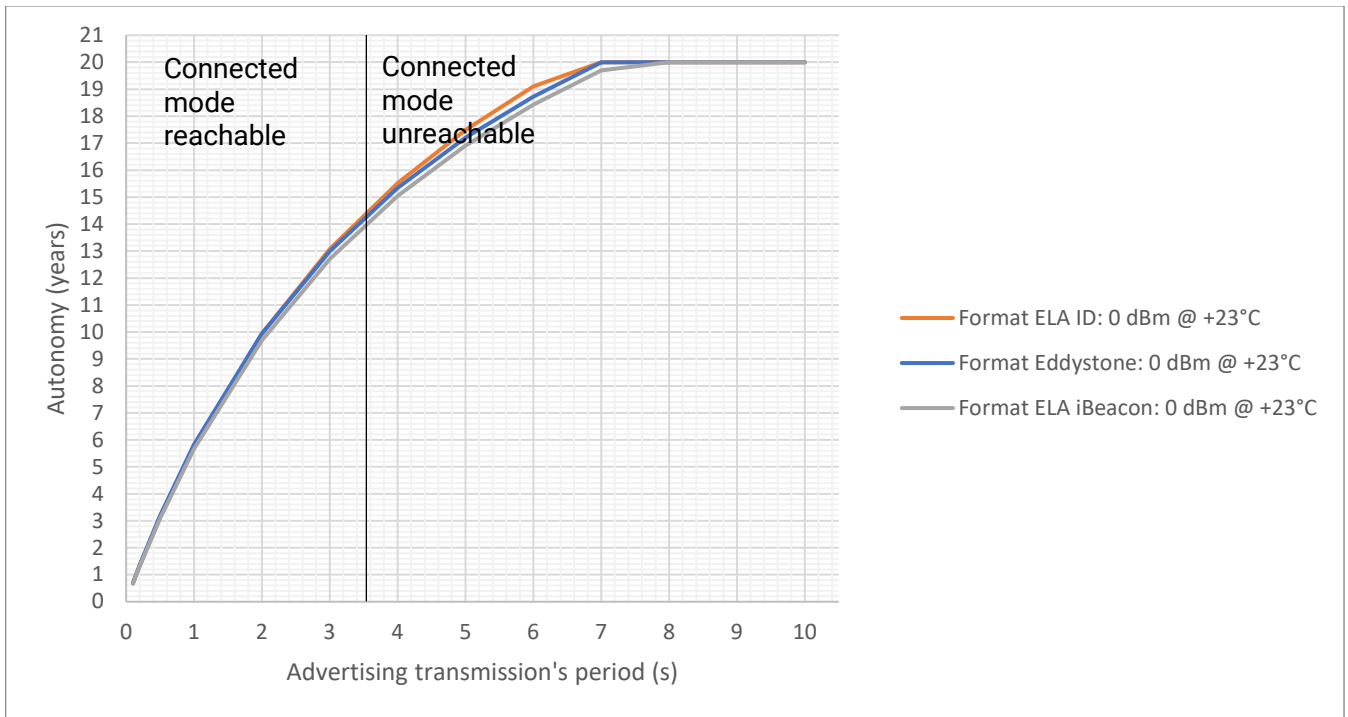
BLUE PUCK ID AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD AND TEMPERATURE



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



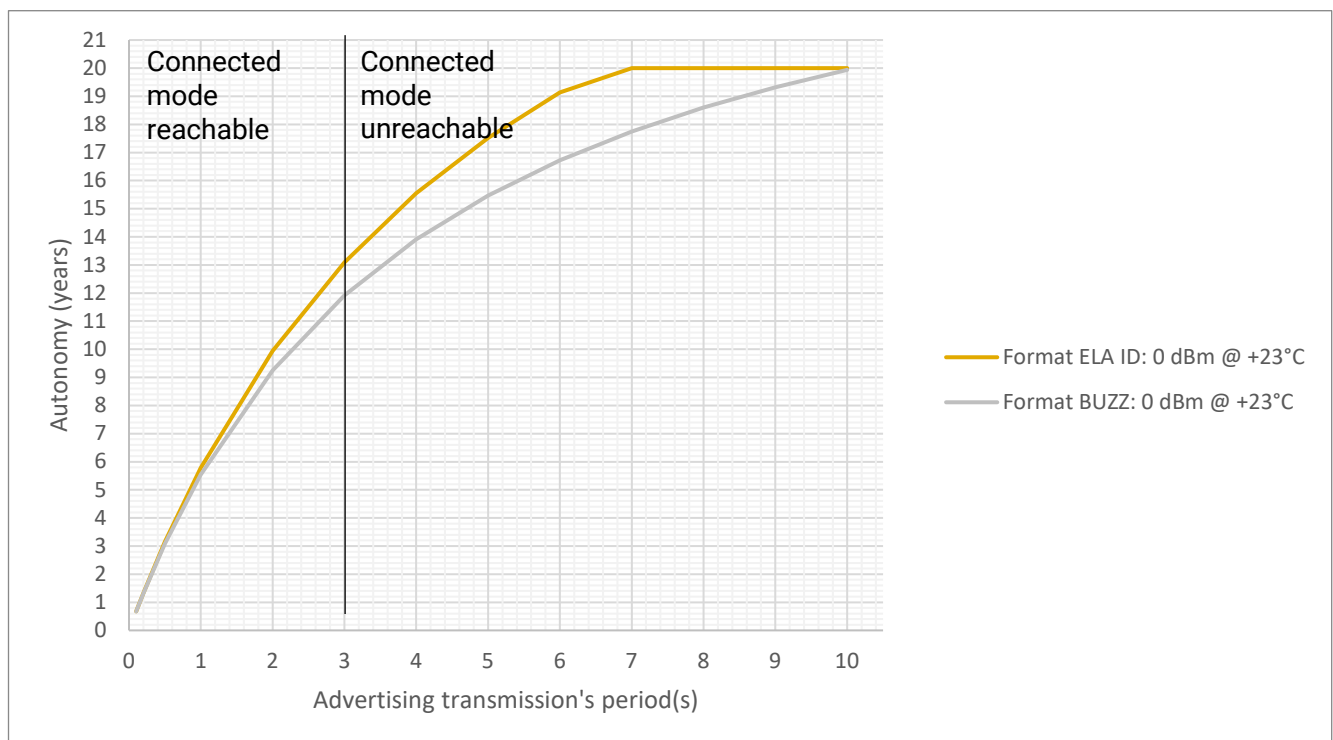
BLUE PUCK ID AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD AND TRANSMISSION FRAME FORMAT.



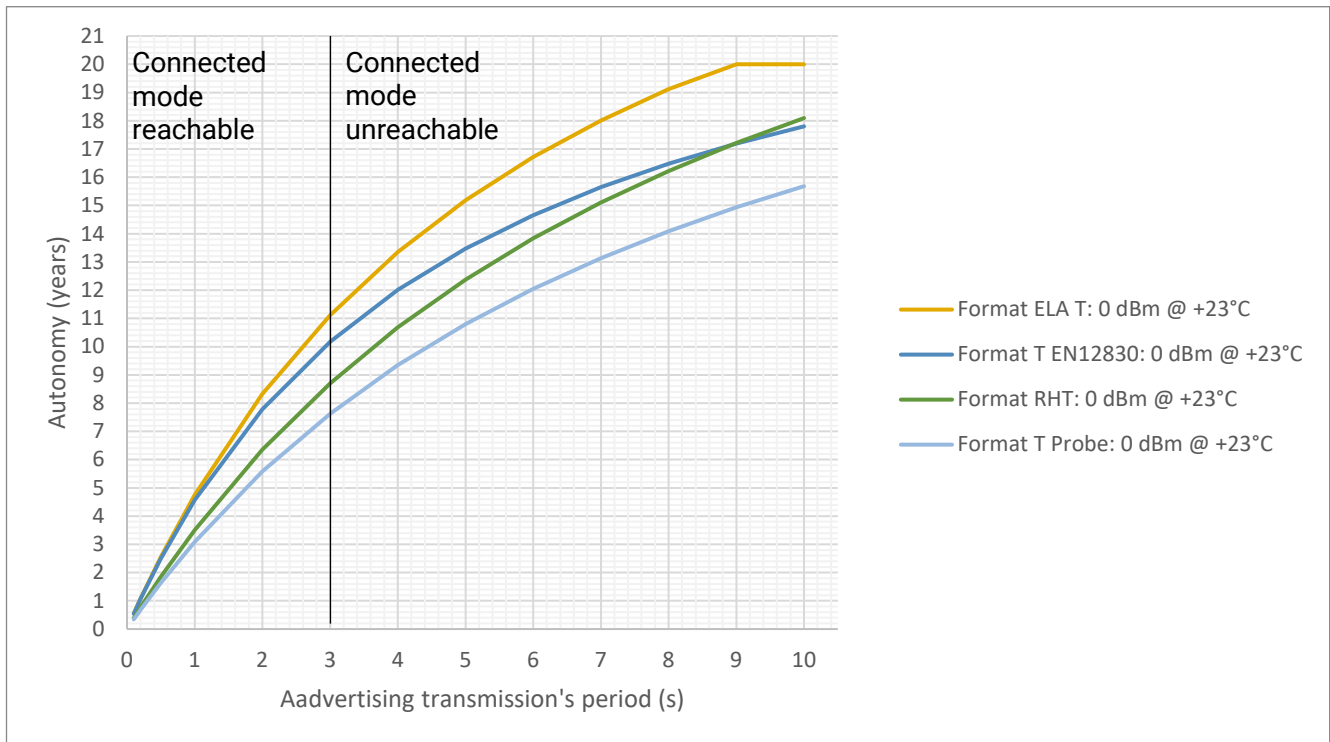
BLUE PUCK ID, BLUE PUCK BUZZ AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD.

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

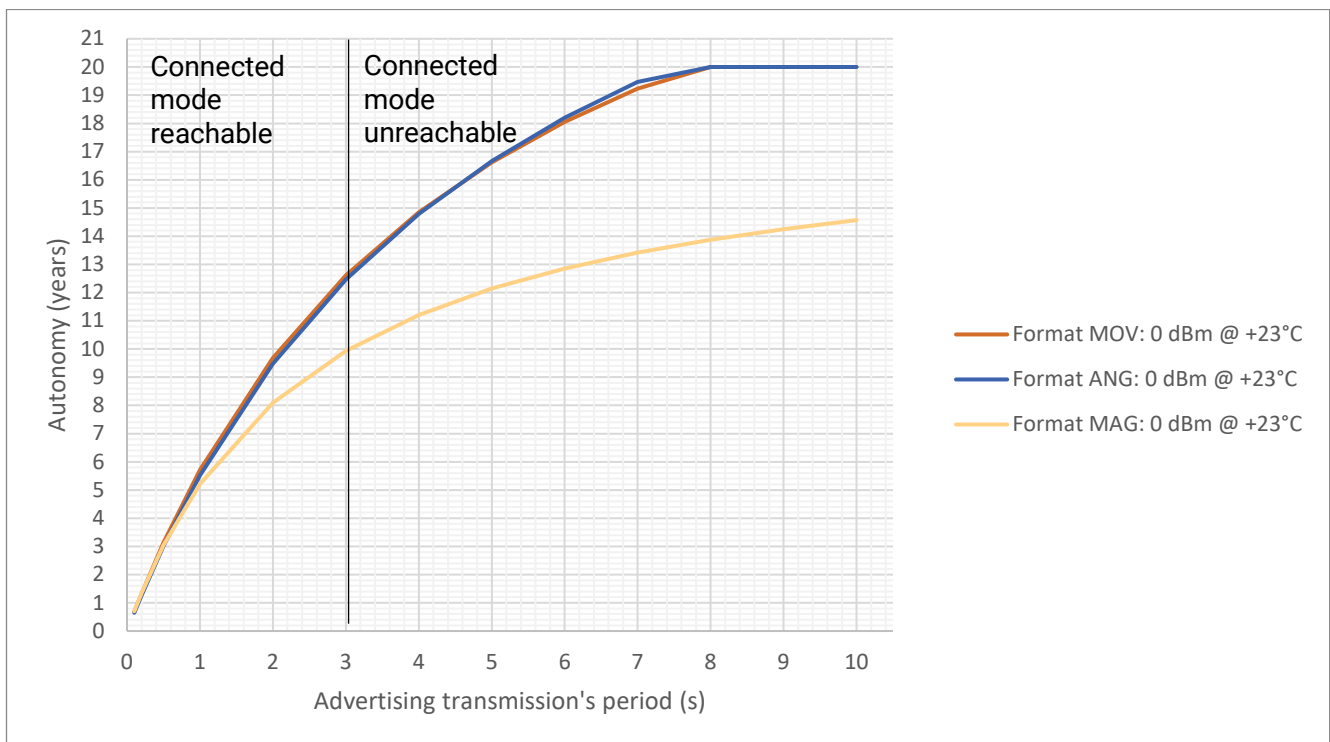
The buzzer function is unreachable if the transmission period is higher than 3 seconds



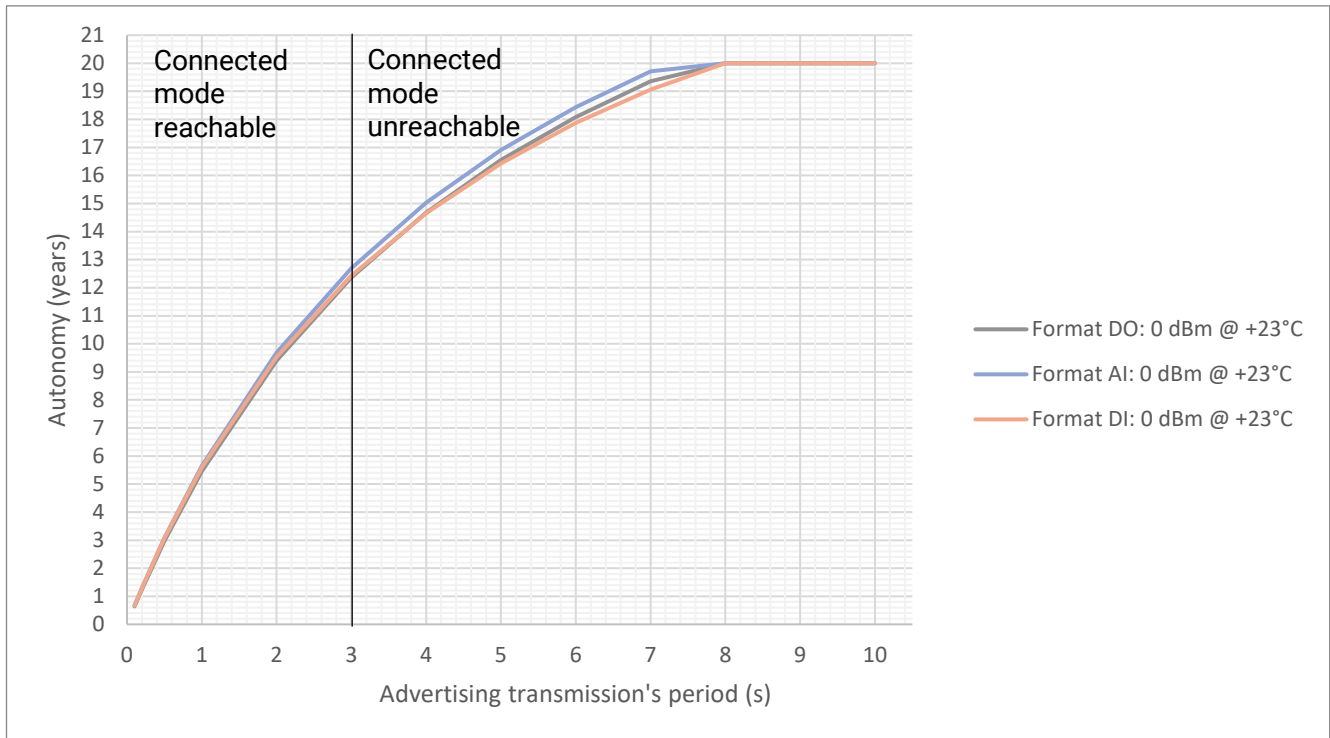
BLUE PUCK T, TEN12830, T-PROBE & RHT AUTONOMY VALUES FUNCTION OF TRANSMISSION PERIOD.



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

