

# BLUE ANCHOR MESH BATTERY LIFE CURVES



**WIREPAS**

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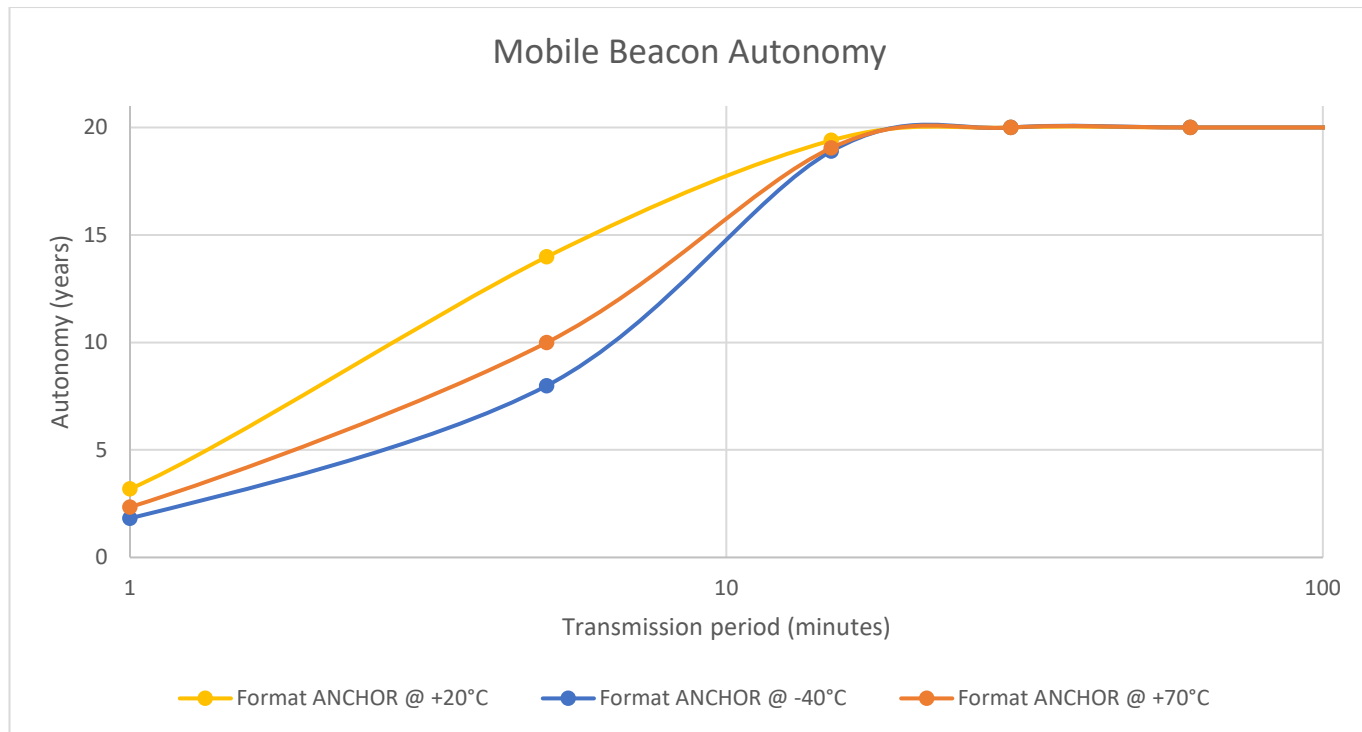
### 1. CONTENTS

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

- **Product:** BLUE ANCHOR MESH
  
- **Mode :**
  - Mobile Beacon
  - Anchor
  
- **Transmission period :**
  - 1 minute to 18 hours.
  
- **Network connection**
  - Measurements carried out on objects activated and connected to a Wirepas MESH network.
  
- **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.

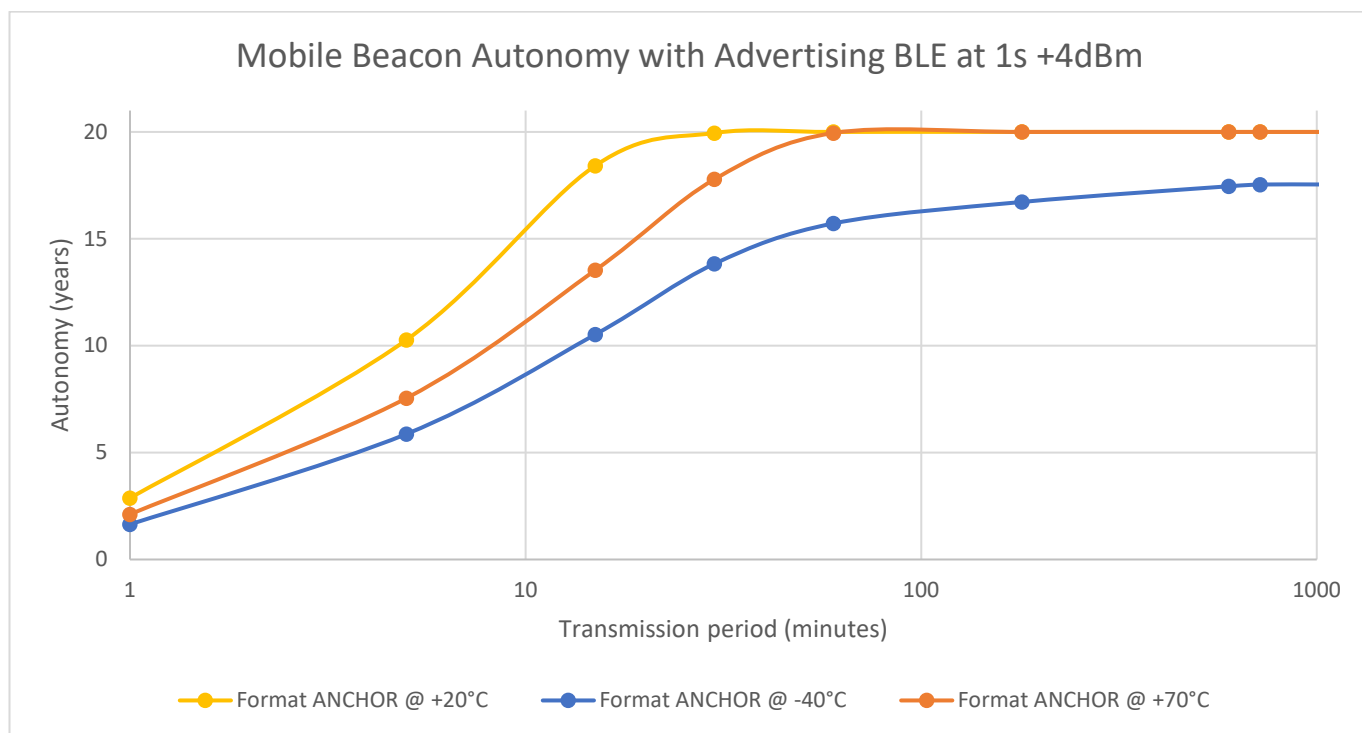
## 2. MOBILE BEACON BLUE ANCHOR ID MESH

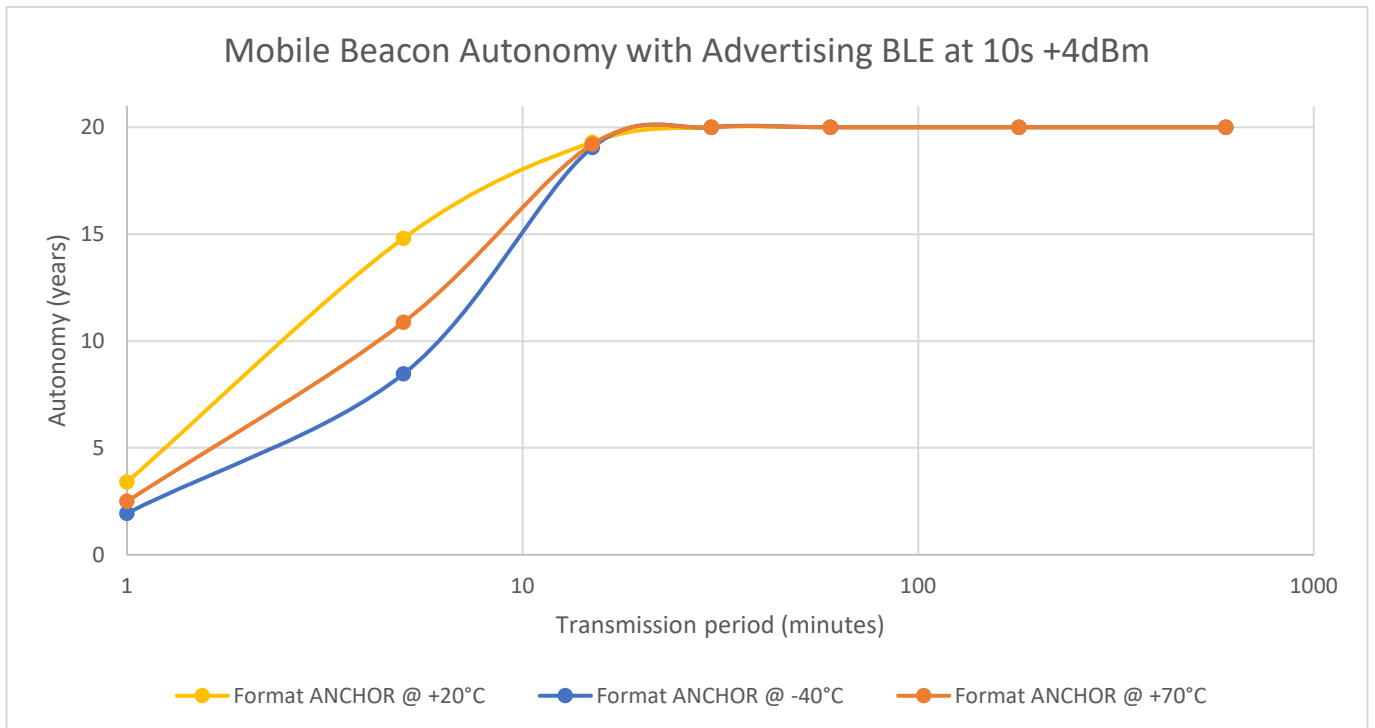
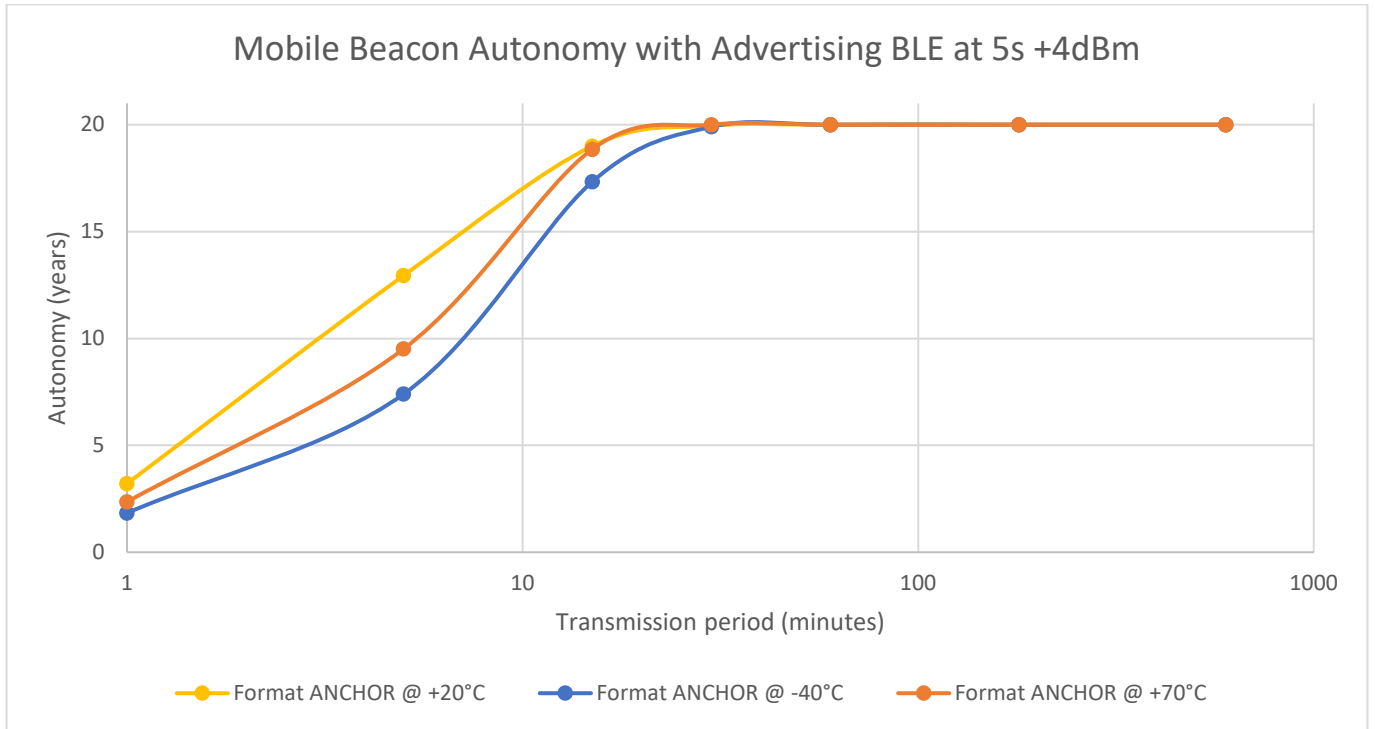
Autonomy values function of Transmission period and Temperature.



## 3. MOBILE BEACON BLUE ANCHOR ID MESH, ADVERTISING BLE

Autonomy values function of Transmission period, Temperature and BLE advertising period

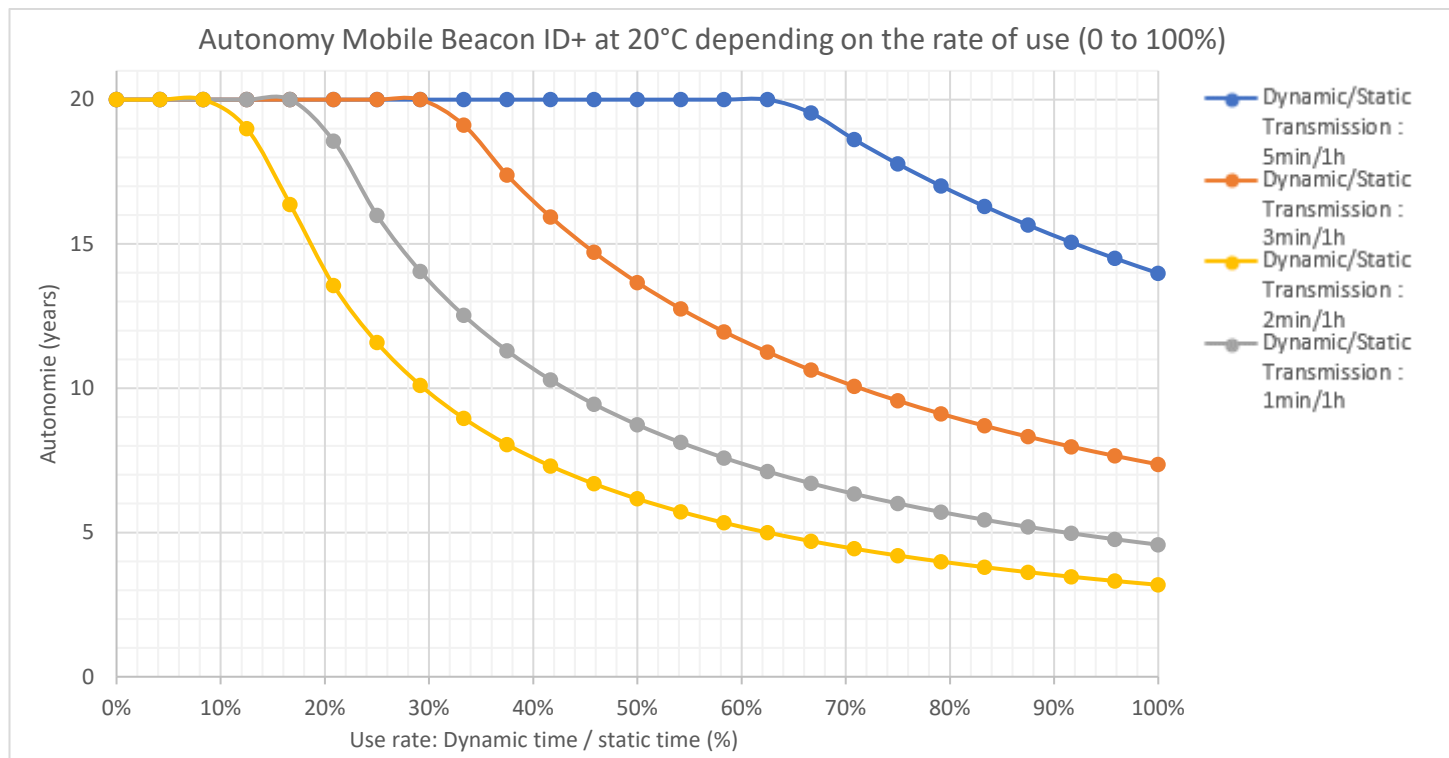




## 4. MOBILE BEACON BLUE ANCHOR ID+ MESH WITH SMART MOTION DETECTION MODE

Transmission period when mobile is in Static mode: **1 hour**.

Transmission period when mobile is in Dynamic mode: 5 min – 3 min – 2 min and 1min.



## 5. BATTERY LIFE BLUE ANCHOR MESH ANCHOR MODE

Temperature	Anchor Mode	Anchor Mode with Adv BLE (1s)
+20° C	15 Years	13.5 years
-40° C	11 years	9 years
+70° C	8.5 years	6.5 years