

# LORA BATTERY LIFECYCLE



## BATTERY LIFECYCLE CURVES DEPENDING ON THE STANDARD PERIOD

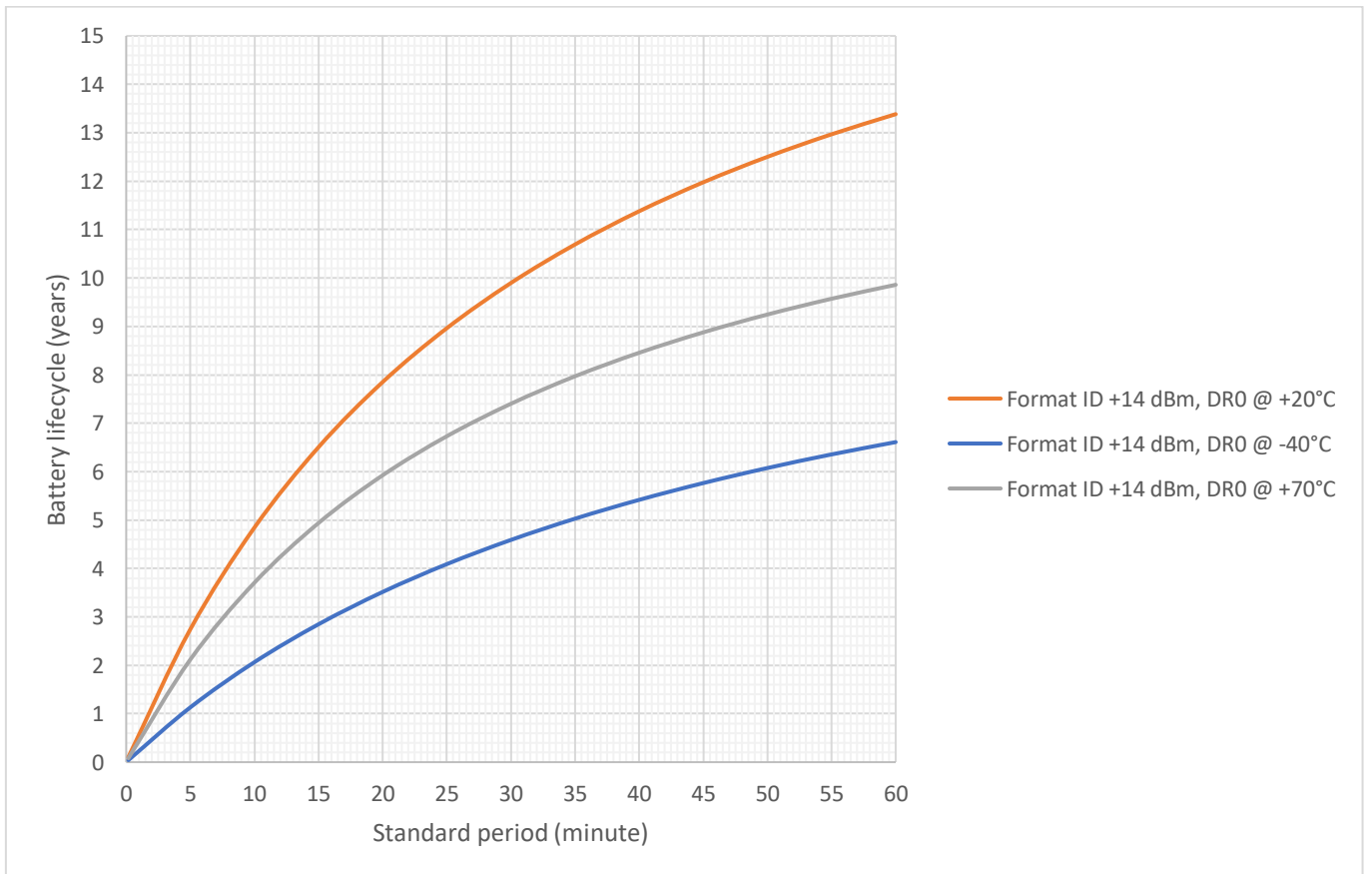
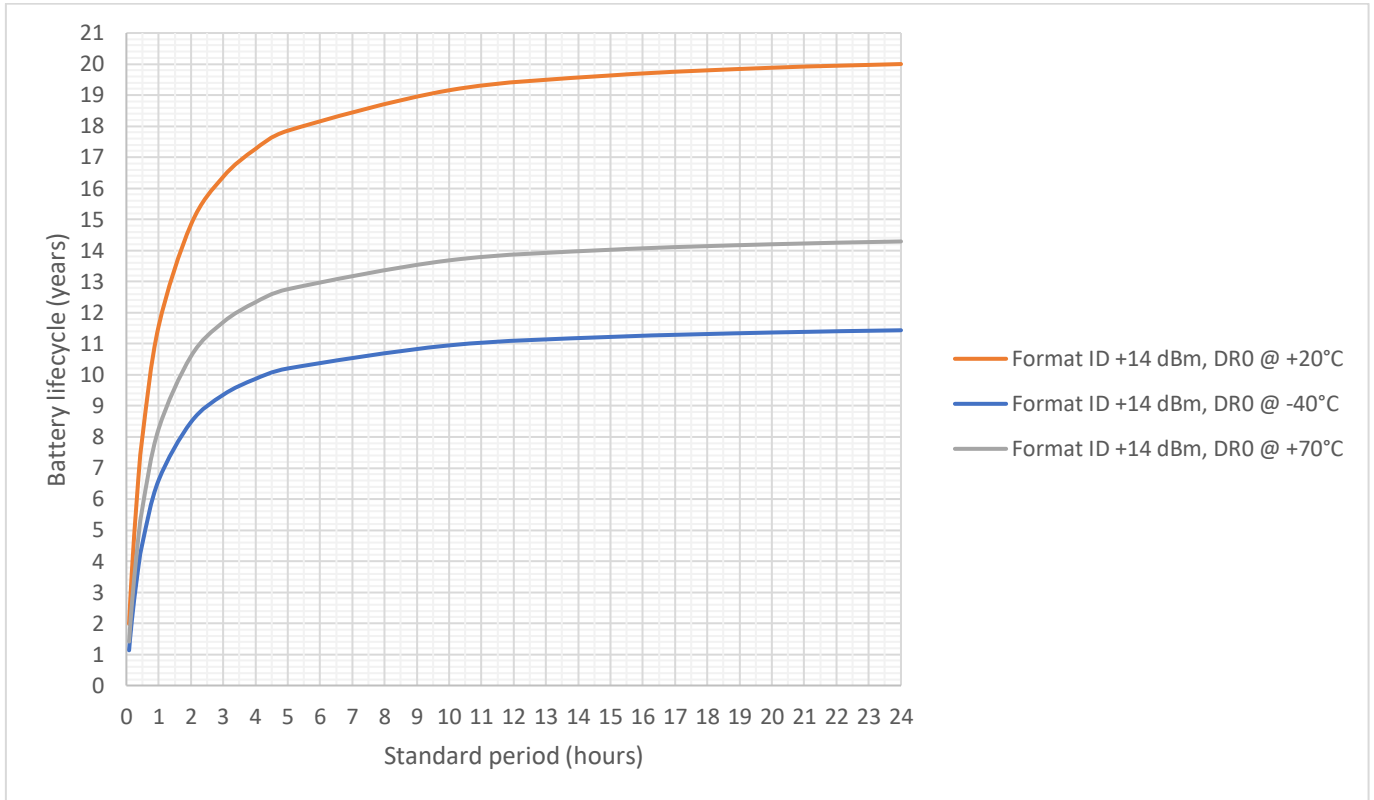
### MEASUREMENT DATA

The data curves in this document were measured with the following input parameters:

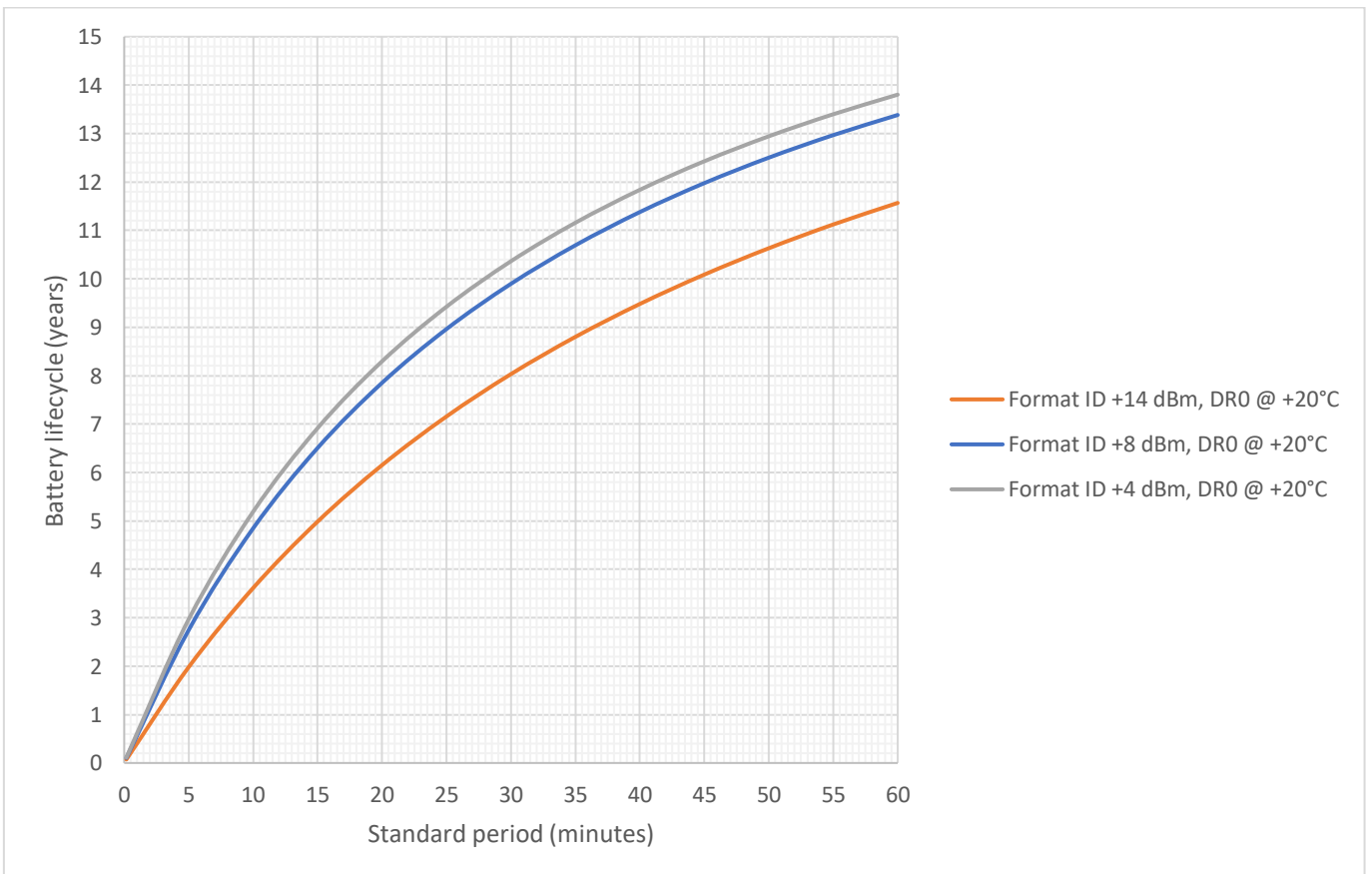
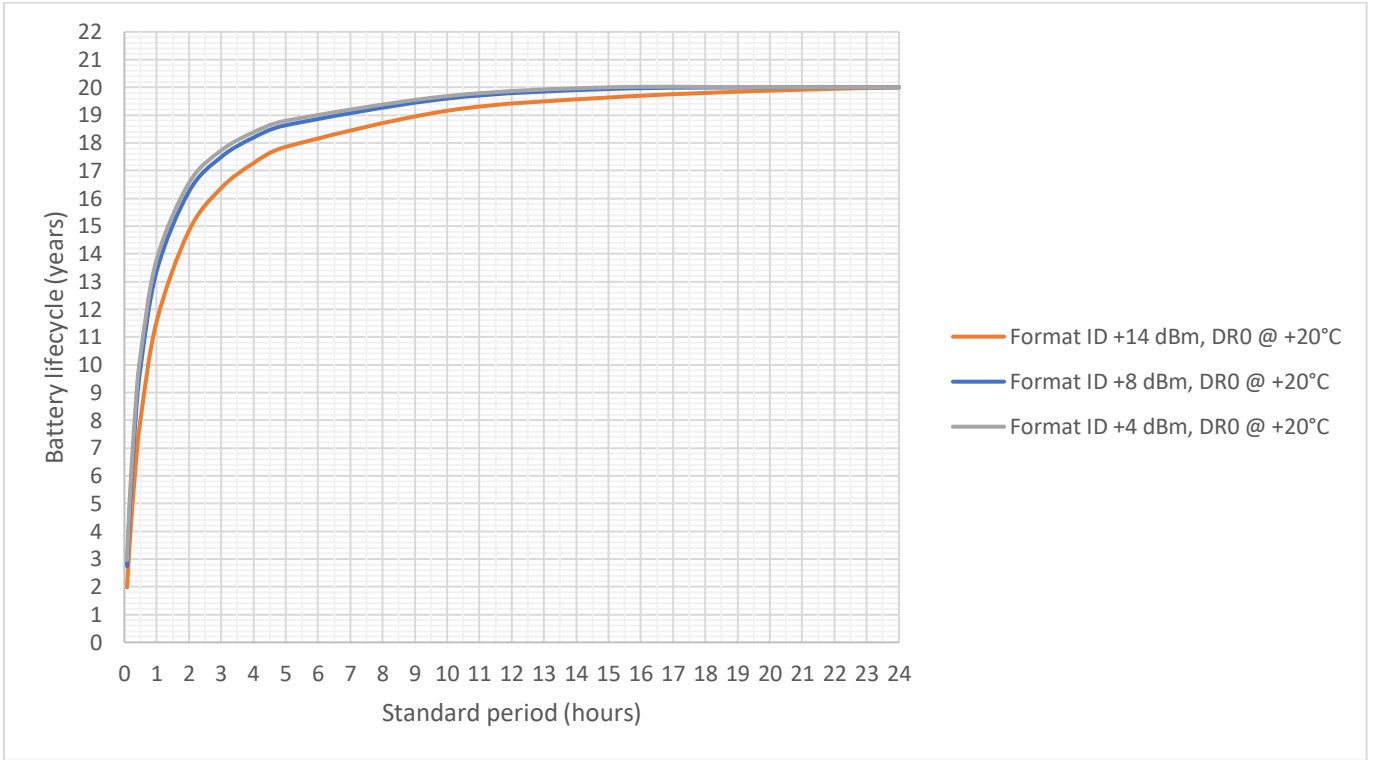
- **Product:** Tag LR ID / TEMP / HOME / N'TRACK
- **Version:** v1.0.5
- **Standard period:** sweep from 5min to 24 hours
- **Output power:** +4dBm, +8dBm & +14 dBm
- **Date rate mode:** DR0 (SF12), DR3 (SF9) & DR6 (SF7)
- **N'TRACK script:** Motion period in relation to the duration of the movement and a standard period of 24 hours if tag is stationary.
- **Power capacity :** 2 LS14500 battery with 10% discount

The self-discharge of the battery and the intrinsic lifetime of its chemical content limit its use to 20 years including storage.

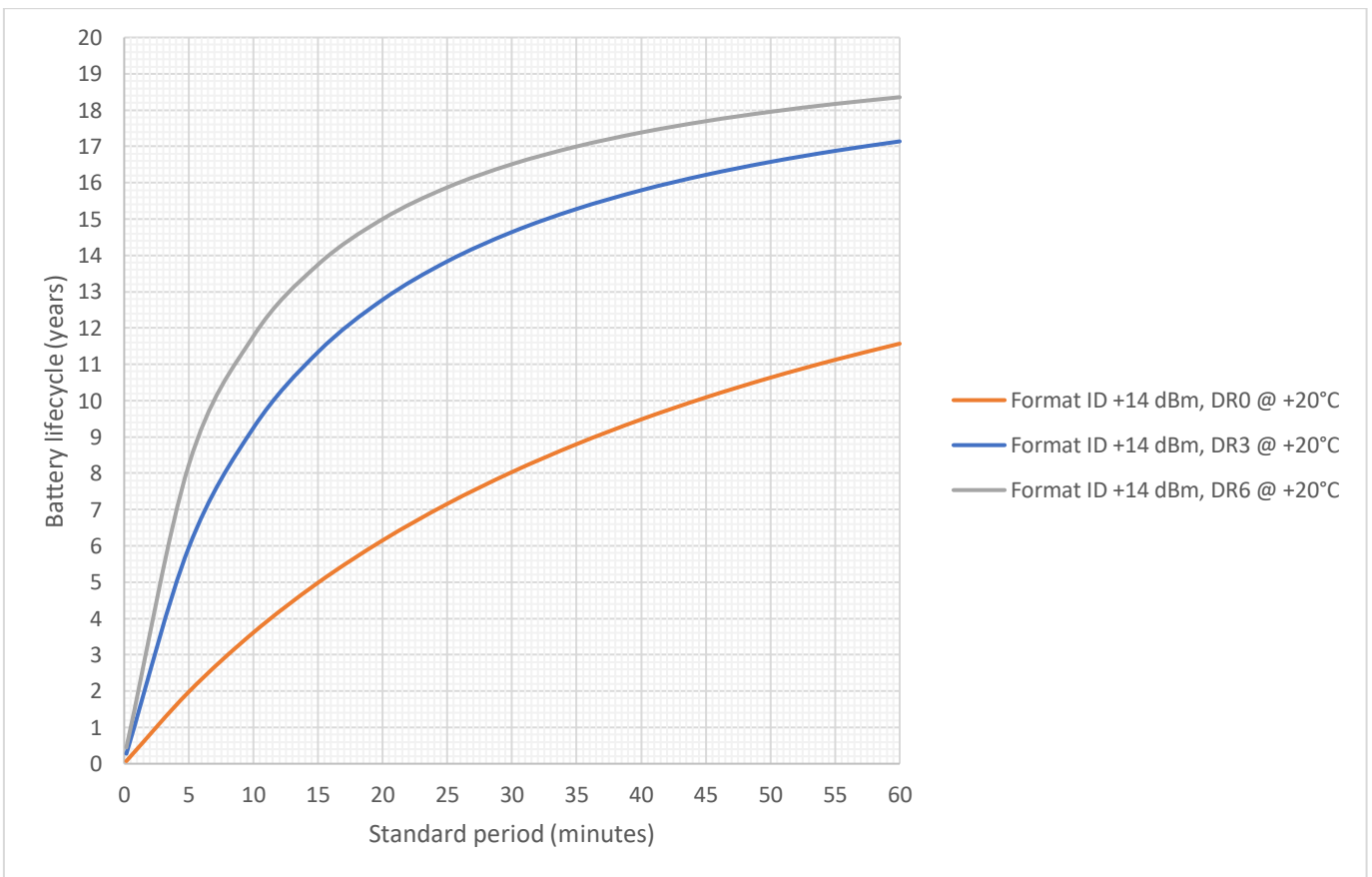
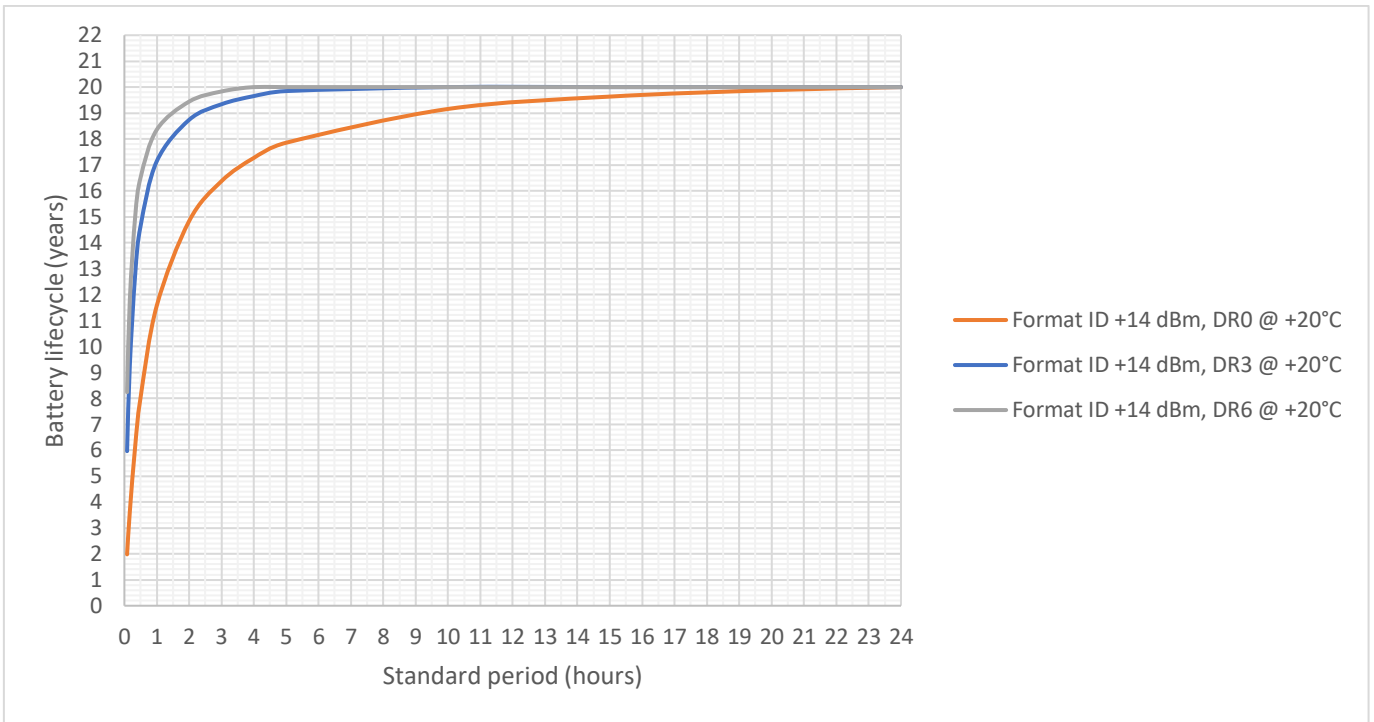
## LR ID BATTERY LIFECYCLE ACCORDING TO STANDARD PERIOD AND TEMPERATURE



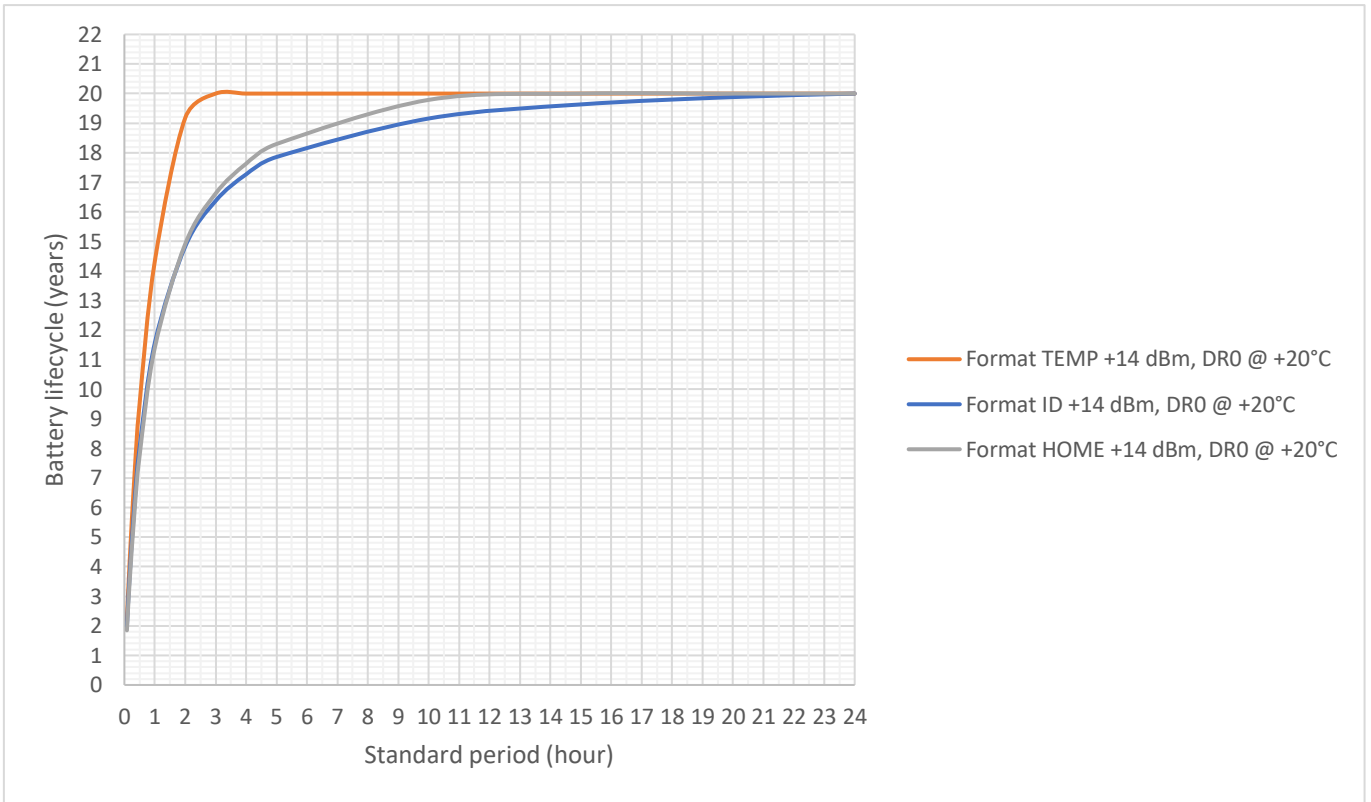
## LR ID BATTERY LIFECYCLE ACCORDING TO STANDARD PERIOD AND POWER



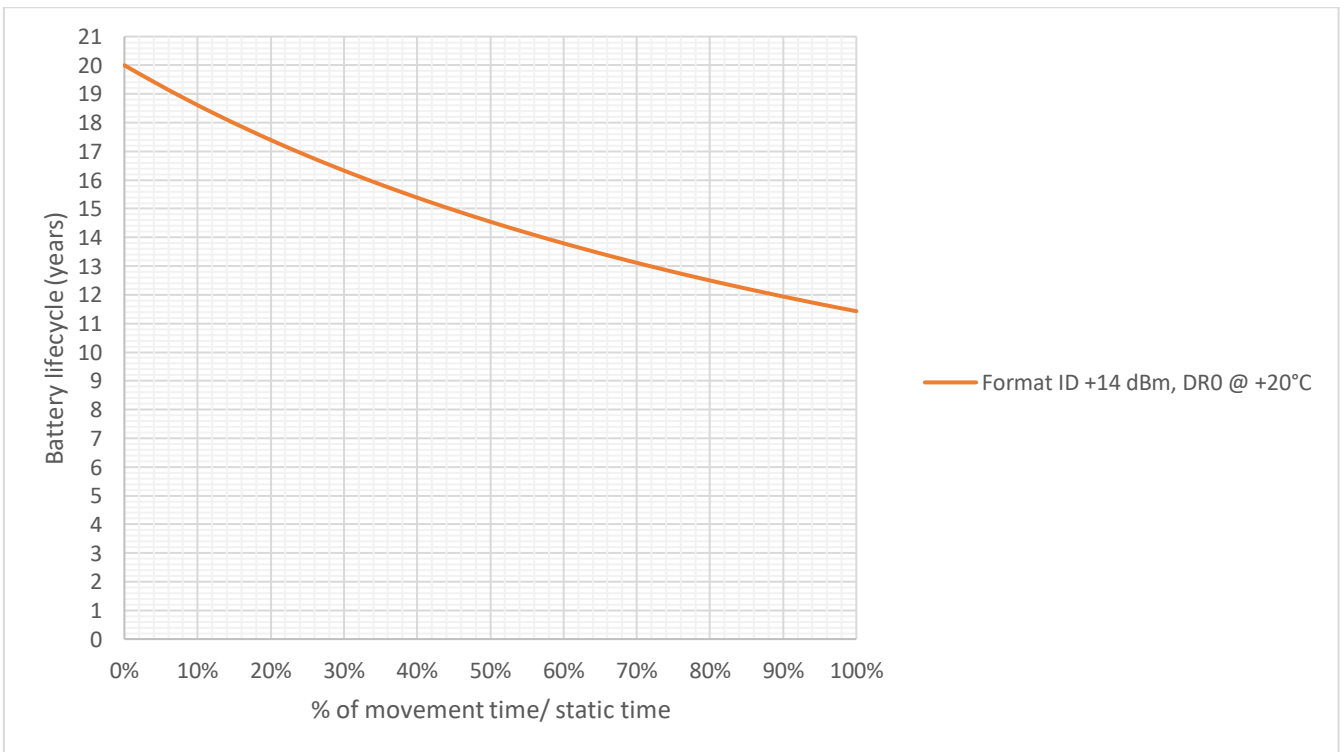
## LR ID BATTERY LIFECYCLE ACCORDING TO STANDARD PERIOD AND DATA RATE



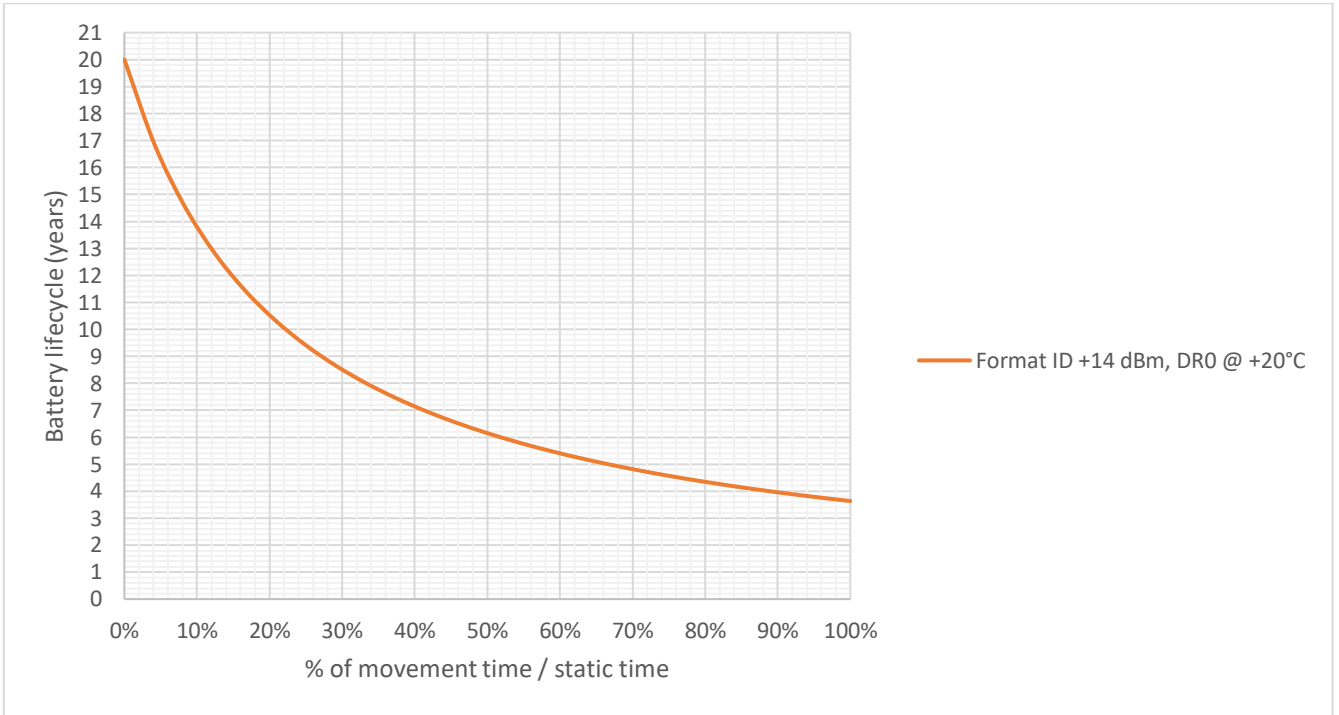
## LR ID, TEMP & HOME BATTERY LIFECYCLE ACCORDING TO STANDARD PERIOD



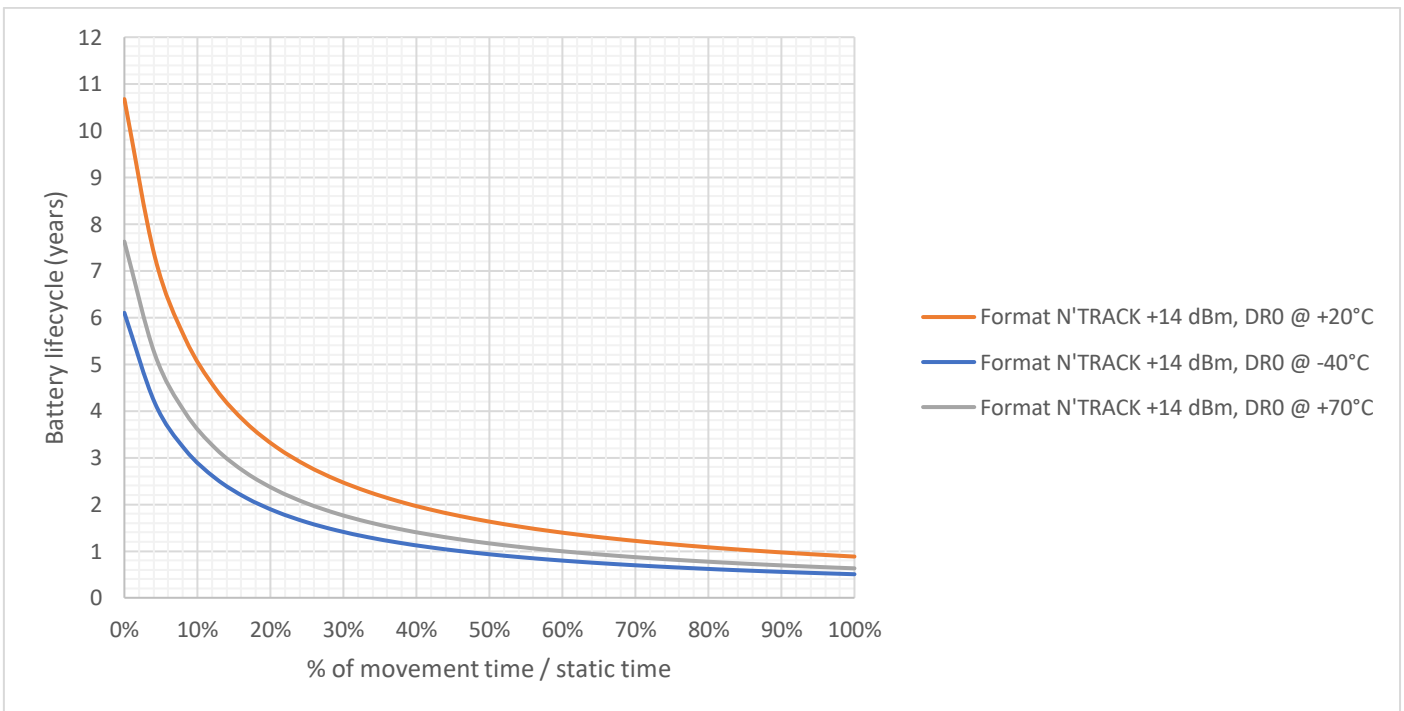
## LR ID BATTERY LIFECYCLE ACCORDING TO MOVEMENT WITH A 1 HOUR MOTION PERIOD



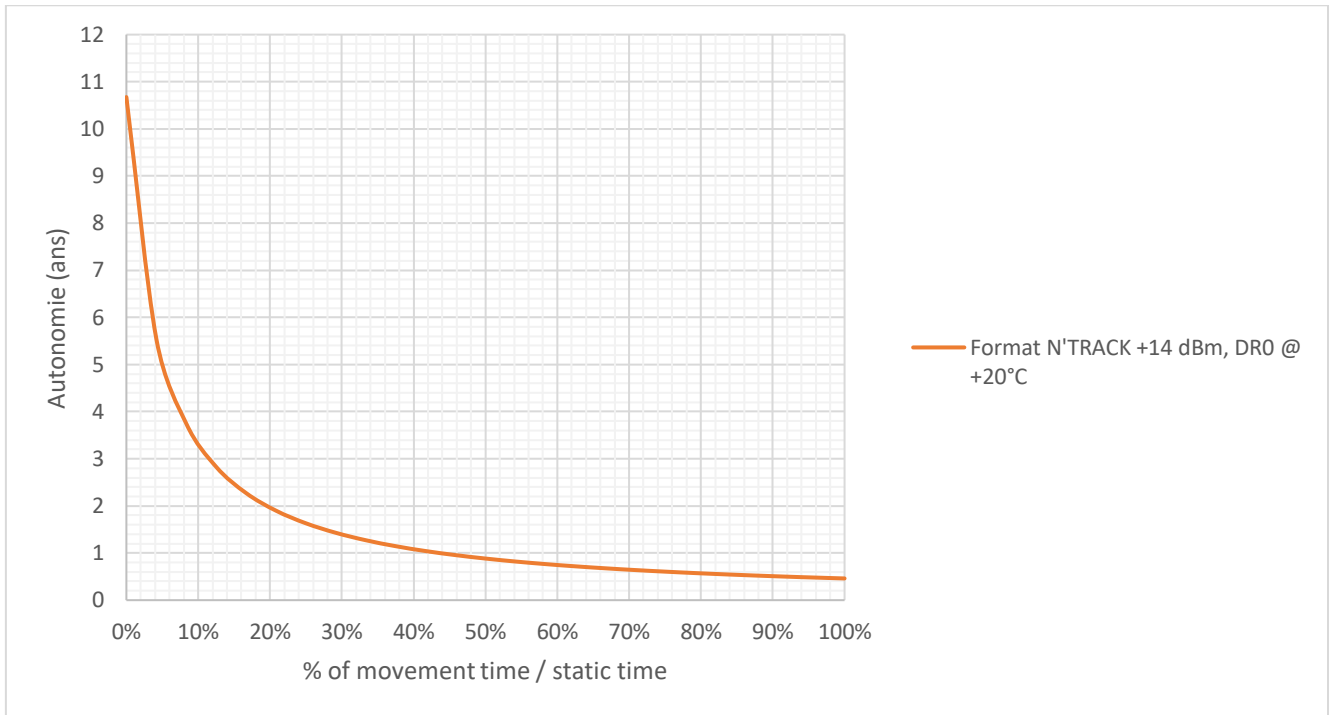
## LR ID BATTERY LIFECYCLE ACCORDING TO MOVEMENT WITH A 10 MINUTES MOTION PERIOD



## LR N'TRACK BATTERY LIFECYCLE ACCORDING TO TEMPERATURE AND MOVEMENT WITH A 1 HOUR MOTION PERIOD



## LR N'TRACK BATTERY LIFECYCLE ACCORDING TO MOVEMENT WITH A 30 MINUTES MOTION PERIOD



## LR N'TRACK BATTERY LIFECYCLE ACCORDING TO MOVEMENT WITH A 15 MINUTES MOTION PERIOD

