sdrmaker.space

- ESA ARTES activity
- Software Defined Radio R&D and exploration for SatComs
- 12 themes
- 16+ sub-activities planned
- Fast iteration - Synergies explored
- Activities on all TRL
- Implementers wanted!
- Open source software and hardware
PQ9ISH COMMS

- Pocketqube format (50x50mm)
- Combined OBC and COMMS
- UHF uplink and downlink
- 2W transmitter
- CAN bus interface
- Cubesat PC104 adapter available
- Released as open hardware with open source software
- TRL 6
The OpenAstrodynamics Initiative

OpenAstrodynamics is a collaboration between open source astrodynamics and space engineering projects to share resources, ideas, and to improve code.

Core Principles

We believe in...

- Interoperability through open standards and protocols
- Sharing validated algorithms
- Contributing test cases and reference scenarios
- Diversity in implementations and technologies

Members

- Astrodynamics.jl is an MPLv2-licensed framework for building astrodynamics applications in Julia.
- openastro is a collection of C++ libraries for astrodynamics and space engineering.
- poliastro is a python package for Astrodynamics and Orbital Mechanics problems, such as orbital elements conversion, orbital propagation, plotting, planetary ephemerides computation, and more.
Imp... my UK Rocket Altitude record!

So... Had a fab weekend. I travelled down to the mighty BigEARS rocketry event (another post on that later) and whilst I was there I finally got to launch my imp scratch built rocket and set a **new UK rocketry altitude record** in the A impulse class! The previous record was from 2013 and set at 143 metres and I am very happy to report and show that imp achieved 214 metres!