Notes

19/07/2018

Well since the hardware is developed in Spain I need to register it with the national space register

We will hopefully be applying for the ITU and IARU next month

thats the main stuff we need

its mainly radio freq

then we need to get registered in the UN space objects

Im in contanct with the EUSAT-2 team which are also launching a pocketqube from spain

Orbit time can be up to 15 months more or less

Line of sight around 5 minutes.

Lua fft program originally 1493bytes compresses to 831bytes. 100 baud = 12bytes/s

Suggestion of RFM22 transciever.

<https://imgur.com/a/WEUStfd>

https://github.com/LoRaTracker/HAB2

20/08/2018

Power wise it would also be nice if it would lengthen space between transmissions depending on power

**We can change LoRa transceiver properties at runtime.**

When the transceiver errors, how should this be handled?

At the moment the sketches just loop and wait for a reset.

We want to receive what error happened and then modify the configuration.

21/07/2018

So a long term budget including launch?

Keep in mind you can probably look at it like an "investment"

especially in the case of being able to be programmed in orbit

Funding wise something like an ICO with tokens would be essential to the project

big money wise

Not sure if you guys are informed about the situation in Gibraltar with ICO's

I have some contacts here and we could probably find some investors in exchange for utility tokens

02/08/2018

Legislation links

* <https://www.amsat-ea.org/easat-2/>
* <https://pw-sat.pl/en/documentation/>
* <http://www.iaru.org/uploads/1/3/0/7/13073366/controllingsatellites_v27.pdf> - space transmitters dc
* <http://www.iaru.org/amateur-radio-satellite-frequency-coordination.html> - transmission frequency coordination
* <https://www.itu.int/en/ITU-R/space/Pages/supportSmallSat.aspx> - regulations and requirements of small satellites.
* <http://www.iaru.org/satellite.html> IARU Admin council employees

JPL standard in use by nasa.

* https://lars-lab.jpl.nasa.gov/JPL\_Coding\_Standard\_C.pdf