

From: Alexander Ghosh

To: Behnam Ghaffari

Date: March 08, 2017

Subject: 0117-EX-CN-2017

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Message:

Hi Ben,

0117-EX-CN-2017 is the application for an experimental license for UHF for the "CubeSail" mission. This mission is launching in October. It uses a similar infrastructure to the other application I have in progress (0173-EX-PL-2016), which is for the "LAICE" mission. There are some key differences:

The LAICE mission (0173-EX-PL-2016) has two radios on two different frequencies (437.X Mhz, 460-470Mhz), with different transmit capabilities, and will use multiple ground stations.

The CubeSail mission (0117-EX-CN-2017) has two identical radios, both on an amateur band 437.X Mhz. These two radios will share one frequency; they are necessary due to a hardware design of the space station, such that we need to talk to different parts of it independently, but as we will never talk to both parts at once, they can share and coordinate their use of the same transmit/receive frequency.

I didn't think we had pushed 'submit' on the CubeSail form yet, but I guess if you are sending an inquiry, one of the team members must have moved it along.

Ultimately, these two applications are unrelated; 0117-Ex-CN-2017 is NOT a replacement of 0173-EX-PL-2016, has a different timeline, and uses different technology.