

Positive Space Station Transmitter Control

[http://oresat.org/pub/positive\\_space\\_station\\_transmitter\\_control.pdf](http://oresat.org/pub/positive_space_station_transmitter_control.pdf)

5-Dec-2019

**Note:**

***This is a preliminary document for the most part because the OreSat software development team is currently working on this aspect of the project.***

**20-Dec-2019**

**[IARU 5b]**

Positive space station transmitter control.

Explain how telecommand stations will turn off the space station transmitter(s) immediately, even in the presence of user traffic and/or space station computer system failure.

Positive transmitter control is achieved through a dedicated receiver and frequency for telecommand, augmented with a watchdog on the receiver, and time out timer on the transmitter. The transmitter time out timer functions without use of any onboard transceiver functions or CPU interaction.

See:

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