

I am a senior Electrical Engineering student at Texas A&M University. As a senior design project, my group and I are being sponsored by Boeing to build a sounding rocket with a GPS guided payload. My responsibilities include the payload and making sure it is able to communicate with the ground station. To do this we are using a 600mW Coherent Communications CRT-1000 transmitter to send a video and GPS uplink. It will be received by an array of 2 18 element Yagi-Uda antennas. This is a continuation of a project from last semester. Daniel Kloke worked on this project last semester and had to apply for the same FCC application to use the same equipment.

The rocket will be launched in mid to late April in Fort Stockton Texas. The Aerospace department at Texas A&M University has been launching rockets at this location for about 15 years and has all the correct licenses and documentation to launch this rocket.

Thank You,

Matthew Deeke