

**Santa Clara University Ground Station UHF Antenna
Description of Research Project
Exhibit for License Application 0954-EX-CN-2019**

Purpose:

The Santa Clara University Ground Station UHF Yagi antenna, will provide telecommands to, and receive spacecraft condition data from, the NOOR-1A and NOOR-1B cubesats, to support the NOOR-1 cubesat communications experiments. An experimental license is requested, to allow transmission for this purpose.

The NOOR-1 cubesats will operate under the currently valid grant, STA 0317-EX-ST-2019. Launch is expected some time in November.

Use of the SCU ground station will provide backup for the Stara ground station located in North Caroline, which is licensed under the above mentioned STA, along with the satellites. And with both ground stations operating, it will allow for more frequent contact with the satellites.

Location and Operation:

The UHF yagi antenna is located just off of the main Santa Clara University campus, on the roof of the Guadalupe Hall. The Lat Long Coordinates are given in the application.

Operation will be controlled from the Mission Operations Center in Guadalupe Hall.