

FCC Form 442 EXHIBIT – Question #6 Additional info

6.a. The nature of the research project being conducted is to support testing of an experimental control link with a set of radio transmitters in accordance with the Title 47, Chapter 1, Sub-chapter A, Part 5, Subpart A, Section 5.3(a)(d)(e)(h) and 5.54(a)(1). There will be 2 pairs (4 total transceivers) of S-Band transceivers located at a private airfield. 2 Fixed Ground transceivers on the airport property and 2 Mobile Airborne transceivers operating on an aircraft in the immediate area of the airport at low altitude (in accordance with FAA accepted airspace range and altitude restrictions) for aircraft control and experimental telemetry.

6.b. The communication facilities requested are necessary for the research project being conducted due to the fact that aircraft is in the early stages of prototype certification and in order to eliminate the possibility of loss of life, is to be operated remotely using this radio link allowing the pilot to control the aircraft safely from the ground in accordance with FAA remote piloting requirements.

6.c. There are no existing communications facilities that provide this function in Florida available to the applicant within airspace that is acceptable to the FAA.