

Explanation of request.

Duotech Services is requesting experimental operating authority to proceed with the testing and development of an airborne radar system. This system will be operating in the 9.2 to 9.4GHz frequency band. It is a pulsed dopplar radar system. The radar is to be intermittently tested on an aircraft that will be flying in the area surrounding Franklin, NC.

As specified in the other attached document, the radar will have 3 operating modes: fixed frequency, frequency hopping, and a linear frequency modulation in which each pulse will be chirped or frequency swept through a narrow band.