

Raytheon Technologies (BBN)

The Modification of FCC License WK2XOV:

This modification is to add new location (Jacksonville, NC)

Fixed Location: 34 39 58N 77 14 59W

Mobile Location: 34 39 58N 77 14 59W

Radius: .12 Km

Flight Level: 400 Feet (122 Meters)

Total Number of Mobile Clients 125 units.

Frequency Bands for Jacksonville, NC:

1755 – 1760 MHz

2150 – 2160 MHz

FCC License will be in support of DARPA Contract Number N66001-17-C-4067 Integration of LTE network into command and control system. DARPA's Offensive Swarm-Enabled Tactics (OFFSET) program envisions future small-unit infantry forces using swarms comprising upwards of 250 unmanned aircraft systems (UASs) and/or unmanned ground systems (UGSs) to accomplish diverse missions in complex urban environments. By leveraging and combining emerging technologies in swarm autonomy and human-swarm teaming, the program seeks to enable rapid development and deployment of breakthrough capabilities.

Raytheon Technologies (BBN) except to have 125 mobile clients operating simultaneously for this experiment.