

Joseph Cheung  
General Dynamics C4 Systems  
8201 E McDowell Rd  
Scottsdale  
AZ 85257  
(650) 350 0921  
[Joseph.cheung@gdc4s.com](mailto:Joseph.cheung@gdc4s.com)

## **General Dynamics C4 Systems**

Experimental License

Exhibit 1

The requested experimental license is to enable General Dynamics to conduct testing and demonstration activities of a tactical broadband cellular with military customer at the Aberdeen Proving Ground. The system operates in 3GPP Band Class 14. The system will be designed such that the operation and radiation are limited within the perimeter of the Aberdeen Proving Ground.

Though individual tests typically only last several days or weeks, the reason for applying for a 24-month duration experimental license rather than multiple STA is to facilitate on-going demonstrations with various user groups at short-notice.

General Dynamics is the manufacturer of end-to-end 3GPP compliant LTE equipment including user equipment, eNodeB (3GPP terminology for base stations), and Evolved Packet Core (EPC). The system configuration will be comprised of mobile user equipment as well as a transportable and rapidly deployable eNodeB configuration. The system included in this application is capable of operating across the public safety 700MHz band in the United States (termed band class 14 in 3GPP) in both 5MHz and 10MHz bandwidths. General Dynamics will coordinate with existing licensees prior to demonstrations in a particular location as required.

Sincerely,

Joseph Cheung