

## Exhibit A

### **Description of Proposed Research and Experimentation**

Comtech Mobile Datacom Corporation (“CMDC” or the “Company”) requests issuance of an experimental license for the purpose of testing radio equipment, product development, and demonstrating it to prospective purchasers. By way of background, the Company held an experimental license for these purposes (call sign WE2XTA) until mid-2016.<sup>1</sup> CMDC foresees the need for additional testing and demonstrations and is therefore requesting a new license with the same scope and specifications as previously authorized.

Specifically, the Company intends to continue developing satellite transceivers for vehicle tracking and short messaging applications that operate in the L-band frequency range. In the course of research and development, the Company anticipates that it will be necessary to run tests over satellites (Inmarsat and Ligado Networks) to confirm acceptable operation of the new designs. As with our existing transceiver designs, these new designs will have an RF source based upon a crystal referenced phase locked loop (“PLL”). All testing will be subject to the limitations described within this application.

The Company requests authorization to operate at sites throughout CONUS. CMDC will be conducting testing and demonstrating radio equipment to potential customers at diverse sites with different environments and different fields of view. CMDC proposes an emission designator of 200KG7W. This will permit the Company to demonstrate equipment targeting Inmarsat satellites as well as Ligado Networks satellites. Finally, CMDC requests authorization for installation of up to a total 75 units of the approved equipment in any combination in a given experiment. (In order to avoid confusion regarding this request, the transmitting equipment “No. Of Units” field in this application has been marked at “0.”) This will provide CMDC with greater strategic flexibility in designing its demonstrations to prospective purchasers.

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<sup>1</sup> See File Number 0081-EX-PL-2008 and File No. 0184-EX-RR-2014.