

## **EXHIBIT 1**

### **PROGRAM OF RESEARCH AND EXPERIMENTATION**

HNS License Sub, LLC (“HNS”), pursuant to Sections 5.54(a)(1) and 5.59(a)(1) of the rules of the Federal Communications Commission, requests to modify its conventional experimental license (WE2XEEW) by:

1. Modifying the frequencies for operation from 29.5-30 GHz to 29.25-30 GHz;
2. Adding as a POINT OF COMMUNICATION EchoStar 19 (Jupiter 2); and
3. Authorizing as permitted experimental services aeronautical services.

The proposed modifications will facilitate HNS’s ongoing experimental operations by expanding the options for testing and developing new services.