

### **Why an Experimental License is Necessary:**

The purpose of this application is to support temporary integration testing and operational checks of the INMARSAT BGAN system.

### **Operation Description:**

The INMARSAT system is used to send and receive IP packet and circuit-switched data via Ethernet (Power over Ethernet) ports and the Integrated Services Digital Network (ISDN) interfaces over the Inmarsat BGAN satellite network.

Table (1) lists the equipment specifications, including frequency band of operation, transmitter output power, emissions, antenna types and gains, as well as maximum ERP.

<b>Frequency Data</b>	
Transmit	1626.5 – 1660.5 MHz
<b>Transmitter Data</b>	
Transmitter Model	9450
Transmitter Manufacturer	Hughes
<b>Antenna Data</b>	
Antenna	Hughes C10 and C11
Power ERP	40 Watts
<b>Emission Data</b>	
Emissions	184KD7W

**Table 1 – Equipment Data**

Table (2) lists the locations/areas of operations, as well as the station class of the operation.

<b>City</b>	<b>State</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Radius (KM)</b>	<b>Station Type</b>
US&P					
International Waters					

**Table 2 – Location Data**

**Operation Period:**

This testing will occur over a two year period beginning in February 2017.

**Stop Buzzer POC:**

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