

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.

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

Table 1 – Equipment Data

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

City	State	Latitude	Longitude	Radius (KM)	Station Type
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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