

Balloon Tethered Meteorological Radiosonde System

Experiment - Balloon Tethered Meteorological Radiosonde System

The Boeing Company
Mesa, AZ

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by

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Why an Experimental License is Necessary:

An experimental license is required to allow operation of a balloon tethered meteorological radiosonde system in support of weather analysis for flight operations.

Experiment Objective:

The purpose of this experimental operation is analyze wind and other meteorological data to determine optimal conditions for flight test and other flight operations.

Operation Description:

This operation will involve use of a Tethersonde system, which is manufactured by VAISALA Inc. The system will be employed in support of flight operations at the Boeing facility in Mesa, AZ. The system operates in the frequency band 400 – 406 MHz, with operator selectable channels, in 10 KHz increments. This request is for authorization to operate the system from 403-405 Mhz. The maximum power output of the system is 17 milliwatts. The specific location and equipment operational specifications are contained in the following paragraphs.

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Emissions:

Frequency	Emission Designator	Emission Type	Maximum ERP
403-405 MHz	20K0G7D	GFSK	17mW

Operation Period:

The operation will be from January 1, 2007 through January 1, 2009.

Operation Location:

The operation will be conducted at the Boeing facility in Mesa, AZ, Latitude 33-28-19.3N, Longitude 111-43-28.5W

Stop Buzzer POC:

The “Stop Buzzer” point of contact is Daniel Fanning, telephone 480-891-7584.