

GOES Satellite Ground Test

Experiment – GOES Satellite Ground Test

The Boeing Company
El Segundo, CA

Submitted: December 7, 2006

by

Ronald E Center
The Boeing Company
Enterprise Frequency Management Services
South Park Complex Bldg 15-01.1
Seattle, WA
P.O. Box 3707 MC: 2T-22
Seattle, WA 98124-2207
206-544-6583 Office
206-544-6592 Fax
866-248-1493 Toll Free

Why an Experimental License is Necessary:

An experimental license is required to conduct ground testing of production satellite equipment supporting the Geostationary Operational Environmental Satellite (GOES) system components.

Experiment Objective:

The purpose of this experiment is to perform operational ground testing of the Data Collection Platform Interrogate (DCPI) transponder in support of the GOES satellite production program.

Experiment Description:

This experiment will involve the ground testing of DCPI transponders, supporting the GOES satellite production program. The test will be conducted in the Boeing Facility located in El Segundo, CA. The DCPI transponder will be operated inside the facility in order to conduct functional testing and analysis of production satellite equipment. The system will be tested at three specific frequencies, with a maximum ERP of 100 Watts. The specific location and equipment operational specifications are contained in the following paragraphs.

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Equipment List:

- **Transmitter:** Boeing, Model 601, Non-Experimental
- **Antenna:** UHF Cup Dipole, gain 10.65 dBi

Emissions:

Frequency	Emission Designator	Emission Type	Maximum ERP
468.8125 MHz	N0N	CW	100 Watts
468.8250 MHz	N0N	CW	100 Watts
468.8375 MHz	N0N	CW	100 Watts

Experiment Period:

The experiment will be conducted from February 1, 2007 through February 1, 2009.

Experiment Location:

The experiment will be conducted at the Boeing facility in El Segundo, CA,
Latitude 33-55-43N, Longitude 118-23-20W.

Stop Buzzer POC:

The "Stop Buzzer" points of contact are:
Robert Zingher, telephone 310-662-9882
Tom Krause, telephone 310-364-5016