

Attachment for Form 442
File #0405-EX-PL-2010
Conf# EL188979

7. If all the answers to Items 4, 5, 6 are "NO", include as an exhibit a narrative statement describing in detail the following items:
- a. The complete program of research and experimentation proposed including description of equipment and theory of operation.
 - b. The specific objectives sought to be accomplished.
 - c. How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.

Response to Question #7:

MODULATING SIGNAL DESCRIPTION

The program is to locally transmit a simulated GPS signal to aid in the testing of GPS receivers and products containing GPS receivers. The signal will be transmitted indoors only, conforming to the limits as specified by the National Telecommunications and Information Administration (NTIA), Sections 8.3.28 and 9.3.29 of the Manual of Regulations and Procedures for Federal Radio Frequency Management (<http://www.ntia.doc.gov/osmhome/redbook/redbook.html>). Using a simulated GPS signal ensures that the receivers will operate properly under all conditions and locations on the earth, not just in the local facility where they are produced. Furthermore, transmitting an open signal verifies the antenna performance as well, which cannot be done through a coax cable test.

8. Give an estimate of the length of time that will be required to complete the program of experimentation proposed in this application: 10 years

Expansion on Response to Question #8:

We request operation for on-going production of our commercial products, for a period of 120 months.

10. List below transmitting equipment to be installed (if experimental, so state):
Manufacturer, model #, # of units, Experimental?

Expansion on Response to Question #10:

One to three units within the facility, depending upon production rates, but emission levels will never exceed the NTIA limits outside the facility.

Additional Contact (Question #16):

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