

Optics 1, Incorporated  
2 Cooper Lane  
Bedford, NH 03110

Federal Communications Commission  
1270 Fairfield Rd  
Gettysburg PA 17325-7245

Attachment to FCC Form 442 – Application for Experimental Transmitter License

Optics 1, Incorporated located at 2 Cooper Lane in Bedford, NH is a commercial manufacturer of precision location systems for the United States Military and other global customers. Global Positioning System (GPS) receivers form the basis for many of our products. During the course of normal business, it is often necessary for us to perform functional testing on various GPS systems to characterize antennas and receivers, verify the functionality of prototypes, and to perform acceptance testing on production systems. As GPS signals do not propagate readily through building walls, and it is not practical to perform our testing outside, OPTICS 1, Incorporated is requesting a license to install three (3) GPS Re-Radiator systems at various locations within our facility to be used for engineering test and prototyping and “sell-off” of production items.

The GPS-Re-Radiator systems will be provided by GPS Source, Incorporated located at 64 N. Mission Drive Pueblo West, CO and are specified to operate within the guidelines of section 8.3.28 of the NTIA Manual of Procedures and Principles for the Assignment and Coordination of Frequencies regarding Use of Fixed Devices That Re-Radiate Signals Received From the Global Positioning System.

The attachment to this application entitled “FCC NTIA Compliance Letter” outlines OPTICS 1, Incorporated’s compliance with NTIA 8.3.38.

The attachments entitled “First Floor”, “Second Floor”, and “Third Floor” diagram the proposed location of the three desired re-radiator systems.

Regards,

Paul J. DeYeso  
Director of Engineering  
OPTICS 1, Incorporated