

Exhibit

TO: Federal Communication Commission (FCC)
Office of Engineering and Technology (OET)

FROM: Radiance Technologies Inc.
4 CR 2050
Oxford, MS 38655

DATE: April 1, 2009

SUBJECT: Experimental License Modification
Supporting Documents – Experimentation Description

REFERENCE: **Call Sign: WE2XTY**
File Number: 0038-EX-ML-2009
FCC Registration Number (FRN): 0017805599

To Whom It May Concern:

Radiance Technologies is requesting an experimental license modification from the Office of Engineering and Technology (OET) for the purpose of conducting continued scientific research and data collection to be used in simulation and model validation exercises. The addition of the requested modulation scheme will allow for increased radiolocation accuracy and significantly reduce the average emitted power. The necessity of mobile operations is due to the desire to mount the transmitting equipment on a mobile platform for in-situ observations at various locations. Operations will be concentrated in the central and southeastern portions of the United States with potential operations inclusive of the continental United States. Objects of interest within the scope of research include stationary as well as moving objects and particles of varying size and speed, with particular emphasis on detection of high velocity objects and study of atmospheric pressure fluctuations surrounding objects of interest. The focus of the program is the development of lightweight and portable scientific research system for object dynamics profiling that could see eventual use in ground/mobile operations, fixed-site surveying, and vehicle integrated systems.

Very Respectfully,

Hank S. Rinehart
Senior Engineer
Radiance Technologies Inc.
hank.rinehart@radiancetech.com
662.238.2565 x1028
662.871.3962