

Exhibit 1

**EXPLANATION OF
MODIFICATION APPLICATION
UNDER FILE NO. 0184-EX-ML-2012**

This modification application is submitted for the following reasons in connection with the IR&D testing performed under this license:

1. Change Station Class from FX to MO for Temporary Fixed Operations Within 100 km Around Centerpoint Coordinates

To allow for greater flexibility to operate the experiment around the company's Largo, FL campus location, the area of operation is requested to be changed to Temporary Fixed (MO) operations within 100km of the specified centerpoint coordinates.

2. Add New 9.2-9.5 GHz Band

A new 9.2-9.5 GHz band has been requested.

3. Add New 10-10.2 GHz Band

A new 10-10.2 GHz band has been requested.

4. Modification of Emissions Designator

To correct the Commission's records, the emission designator for the 9.9-10.4 GHz band is being corrected to "50M0F3N".