

Summary of Requested Changes to Experimental License 0254-EX-PL-2002

February 4, 2004

Amendment Number: 0076-EX-MLO-2003

Confirmation Number: EL13859

Summary:

1. Change antenna (1). The change was only to add the building number “250” in the address.
2. Change antenna (2). The change is in the coordinates and radius. The old area was a small spot, which included only one building. The new coordinate is the center of Georgia Tech’s campus, and the radius is just large enough to cover the whole campus. The new larger area includes the old area. The new location (2) is
 - a. MOBILE: The measurements will be taken in various locations within a radius of 1.1 km of the coordinate, NL 33-46-36; WL 84-23-55, which is the Mason Building at 790 Atlantic Drive, Atlanta, GA.
3. Add a new antenna. The new location (or antenna) will have the same frequency and emission characteristics of the other locations (antennas).
 - a. MOBILE: The measurements will be taken in various locations within a radius of 70m of the coordinate, NL 33-46-31; WL 84-18-29, which is the home at 727 Pinetree Drive, Decatur, GA.
4. A change to the frequency data for all antennas. Increase the ERPs **from** 193mW peak and 254 mW peak at 6-6.5 GHz and 16.75-17.25 GHz, respectively, **to** 2.89W mean and 2.04W mean.

Reasons for the requests:

The reasons for the requested changes are to increase the range of our measurements (distance from transmitter to receiver) and to increase the set of locations where we may perform the measurements. These changes are being done to enable research being sponsored by the National Science Foundation, the Army Research Laboratory, and the Federal Dept of Transportation.