

ACB
6731 Whittier Ave. Suite C110
McLean, VA 22101

To whom it may concern:

The enclosed documents constitute a formal submittal and application for Equipment Authorization for a wireless broadband service transmitter GE MDS LLC models MERCURY 5800 BASE STATION and MERCURY 5800 SUBSCRIBER pursuant to the following rules:

Subpart C of Part 15 of FCC Rules (CFR 47)
RSS-Gen Issue 3, December 2010, "General Requirements and Information for the Certification of Radiocommunication Equipment"
RSS-210, Issue 8, December 2010, "Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment"

The Mercury 5800 radio operates as a 2x2 spacial-multiplexing MIMO radio in the 5725-5850 MHz frequency band as a digitally modulated radio under section 15.247. It can use either a Sector or Panel antenna and is intended to be professionally installed.

Conducted power, PSD and spurious emission tests were performed at the highest powers desired to be certified. Radiated spurious emissions tests were performed with power adjusted lower to account for cable losses that would be utilized to maintain maximum EIRP below 36 dBm.

Elliott Laboratories, as duly authorized agent prepared this submittal. A copy of the letter of our appointment as agent is included with the application.

If there are any questions or if further information is needed, please contact Elliott Laboratories for assistance.

Sincerely,



David W. Bare
Chief Engineer

DWB/dmg