

Application for New or Modified Radio Station Authorization under Part 5 of FCC
Rules – Experimental Radio Service (other than Broadcast)

Applicant

Littlefeet, Inc
13000 Gregg St.
Poway, CA 92064

Subject

Exhibit 1 - Submit supporting material to item number 10 of FCC Form 442

Current wireless networks use powerful transmitters on large towers to communicate with subscriber mobile stations. Ideally, a BTS would provide coverage that tapers off uniformly. Variations in propagation make the actual coverage irregular. This leads to dropped calls due to excessive interference and low signal strength. Similarly as network quality suffers data throughput decreases. Data throughput is evermore important with the advent of emerging data services available to subscribers.

Littlefeet products will provide a way for base stations to communicate with mobiles using low-power units, handling the coverage functions of a traditional base station. These units have smaller footprints, thereby configurable to provide more uniform coverage by adjusting parameters such as the height of each unit's antenna and the RF output of each unit. This design makes way for more efficient spectral utilization by increasing frequency reuse while maintaining a high quality network.

Successful trials have been conducted at the Littlefeet premises under the Experimental STA in recent months. The outcome and results obtained from said trials have provided Littlefeet with valuable information indicating successful outcome of initiated test plans. The continued development of the Littlefeet product hardware / software and product tests are required to provide customers with functionality to exceed expectations.