

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 7 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 ever more important with the advent of emerging data services available to subscribers.

Littlefeet products will provide a way for base stations to communicate with mobile 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 a STA and the previous Experimental License. The outcome and results obtained from said trials have provided Littlefeet with valuable information indicating successful outcomes 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.

Littlefeet expects to run trials of new and enhanced product as a normal course of business. Our product line includes product for export and the only way to determine if the equipment is functioning correctly is to perform short field trials.