

Request for Experimental License

Ericsson, Inc., pursuant to Section 5 of the rules of the Federal Communications Commission (FCC), hereby requests an Experimental License to operate a fixed Andrew 2.4 meter earth station in Plano, TX for a 36 month time frame. The Andrew 2.4 meter antenna reflector will be the only antenna to be utilized during this time frame; however it should be noted that different Andrew 2.4 meter reflectors may be used. Multiple equipment configurations and traffic types will be utilized during the experimental time frame. This will allow Ericsson, Inc. to provide a reliable and cost effective systems to various clients.

Ericsson seeks to use a Ku-band earth station to perform testing and demonstrations of this earth station prior to shipping the systems to various clients throughout the World. Ericsson will operate only with US licensed satellites and satellites on the permitted list. The satellites to be utilized during this time frame will vary depending on the transponder bandwidth availability at the various testing/demonstration schedules. The first satellite will be IS 707, however the satellite to be used will likely change during the time frame required and the changes will be on very short time frames, thus additional satellites in the arc specified are requested.

Ericsson, Inc. will operate in compliance with Part 25 of the FCC Rules. Ericsson, Inc. will operate its Ku-band earth station at power levels consistent with the FCC's two degree spacing policy. The antenna pattern for this 2.4 meter antenna meets the requirements specific in Part 25.209 and this antenna would be considered a routinely licensed antenna.

The attached Form 312B contains the technical information in support of this request. The attached radiation hazard study shows that harmful levels of radiation will not exist in regions normally occupied by the public or the earth station's operating personnel. FAA notification is not required given the height of the antenna.