

Reference number : 23250

Subject: FCC File No. 0049-EX-ML-2014

In reply to: Please submit a detailed exhibit that describes the rational for amending your license.

The reasons for my license modification are for band changes in my previous experiments and also for a renewal for another 60 month term.

What I would like to do is design a medium frequency 6 meter high vertical antenna that I can setup as a mobile station in the 3000km radius of my stated location in Minnesota. I travel frequently between Minnesota and Florida and would like to have the ability to run my antenna and propagation experiments as I travel thru the states from Minnesota to Florida.

There are many Part 5 stations on the air in the 460khz to 490khz frequency range that would benefit with their experiments by having a low powered mobile station running 1w ERP in the areas I want to run my experiments from. We will be setting up two way digital and Morse code communications between those existing Part 5 stations and my mobile station. There is a lot to be learned about setting up such a small antenna over unknown ground and in both urban and country settings, and actually radiating an effective signal to support communications with those other Part 5 stations.

I have completed my experiments on the bands on my previous license and would like to move onto this new 460-490 khz band. The results of my experimentation surely will help others that are antenna limited and would like to know what works and what does not work. This experimenting will also help prove that I can operate in various areas without causing any interference to other fixed or mobile stations.

I also hope that my experiments around the country will help the FCC in a future consideration of granting the Amateur Radio community a band in the 460-490 khz frequency range. I will show that 1w ERP stations can operate on the band effectively and without interference issues in a wide part of the country.

I ask for a 60 month term so I can be allowed enough time to operate over several season's and solar condition changes.

Sincerely,
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