

Reid

File Number: 0467-EX-PL-2014

Applicant proposes to investigate the potential for a statewide communications network in the potential medium frequency Amateur Radio band at 472-479 KHz.

*Clarification:*

*A consistent issue for Amateur Radio communication in the State of Texas has been maintaining a consistent, reliable, statewide, communications network for disaster and public service work. Variations in signal propagation the resulting changing coverage on existing high frequency Amateur Radio bands often require constant changes in frequency for networks to maintain intrastate and inter-city communications.*

*The experience of prior users in the 400 - 500 KHz spectrum (specifically maritime safety and non-directional beacon operations), indicate the potential for consistent, 24 hour coverage of the 263,000 square mile area of Texas. However, Amateur Radio experience in using this spectrum is extremely limited.*

Output power, antenna and operating mode effectiveness will be tested in a typical station configuration.

*Clarification:*

*The applicant intends to test the viability of various narrow band data transmission modes, at typical Amateur Radio transmitter power levels with modest antenna installations for this task. It is anticipated that experimental operation will result in recommendations for effective and efficient equipment designs, antenna configurations, transmission modes and operating procedures.*

*The applicant a licensed Amateur Radio operator of over 50 years, the American Radio Relay League (ARRL), West Gulf Division - Assistant Director for Emergency Communication, a member of the ARRL Emergency Communications Advisory Committee and Deputy Chief of Travis Co., Texas Emergency Services with extensive experience in emergency communications*

Examination of the FCC license data base for this band indicates that no there will be no anticipated impact on any current users