

QUESTION 7: PURPOSE OF EXPERIMENT

I am a licensed Radio Amateur interested in experimenting in the

135.7 - 137.8 kHz. band the F.C.C. is now considering opening to the Amateur Radio Service.

Experimentation would include :

- Constructing, testing and optimizing various antennas that could be erected in a typical suburban residential backyard. Such antennas, short relative to the wavelength, would be very inefficient.
- Using several narrow band emission types from hand keyed morse code to digital communication applications that could be run on a desktop computer.
- Constructing receiving and transmitting equipment using those emission types.
- Determining the effective range of such an equipped station under both usual and unusual propagation conditions.

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