

I am applying for an experimental license for the following:

1. To experiment with various antenna configurations especially concentrating on the efficiency of the antenna with different loading inductances and grounding counterpoises
2. To provide transmission and reception reports in conjunction with those already licensed for 630 Meter operation, therefore providing a better mapping of communication capabilities for this band
3. Experiment with variation in transmit output power required to maintain established communication distances.
4. Determine what effect solar activity may have on 630 Meter propagation.
5. Experiment with various new digital waveforms and determine their usefulness for this band

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