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Submitted by: Srinivas Bokka, Sr. RF Engineer, SpiderCloud Wireless, Inc.

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Form 442 Question 7: Experimentation Description

- a. **Proposed experimentation:** SpiderCloud Wireless, Inc, a startup corporation based in Milpitas, CA engaged in design of 3G/4G Small cell wireless products for enterprise applications and would like to radiate/test at its facilities located 475 Sycamore Dr, Milpitas, CA 95035. The equipment will be radiating in upper 50 MHz of CBRS band i.e., 3.65-3.7 GHz spectrum outdoors. The antenna is a single sector antenna and will be fixed and mounted on the office wall outside and at a height < 6 meters from ground level.
Small cell radio used in this experimentation is a 2x2 MIMO w/ 24 dBm /antenna conducted power.
The radio operates in 20 MHz channel width.
- b. **Objective:** To test LTE operation in CBRS band outdoors.
- c. **Contribution:** Small cells in CBRS bands for voice and/or data traffic. Work will be done to test and optimize operation of the small cell system to provide higher speed data than previously available.