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Submitted by: Tsung-Yi Chen, Staff Engineer, Corning Inc.

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Form 442 Question 7: Experimentation Description:

a. **Proposed experimentation:**

SpiderCloud Wireless, Inc. ("SpiderCloud"), based in Milpitas, CA, is a subsidiary of Corning Incorporated ("Corning"). SpiderCloud engages in design of small cell wireless products for enterprise applications and would like to radiate/test in Corning Research and Development facilities located at 21 Lynn Morse Rd, Painted Post, NY 14870. The equipment will be radiating in upper 50 MHz of CBRS band, namely, 3.65-3.7 GHz spectrum indoors. Small cell radio used in this experimentation is a 2x2 MIMO with 24 dBm per antenna conducted power. The radio operates in 20 MHz channel width.

b. **Objective:**

To test LTE operation in CBRS band indoors.

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.