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September 28, 2016

Federal Communications Commission  
Washington, DC

Subject: Question 7, File No. 0114-EX-CN-2016, Confirmation #EL688692

Dear Sir or Madam,

Sensus is a manufacturer of Smart Grid devices for Critical Infrastructure utilities around the world. We presently have over 8 million endpoints in operation in the United States and Canada. Most of our North American endpoints operate in the 900 MHz band on Narrowband PCS and MAS channels. However, equipment for many of our international customers operates in the 400 MHz band.

Sensus is currently developing units to operate in the 451-461 MHz band at our Morrisville, NC facility for our international customers and would like to conduct unit level, system level and traffic loading tests on this equipment to better understand its operation. It will be rack mounted (indoor testing only) using a unity gain antenna mounted immediately next to the transmitter. Output power is nominally 25mW (14dBm). Although the RF chip supports up to 100mW (20dBm), we should never use this maximum power.

We respectfully request an experimental license in order that we may continue development and testing of these units in our Morrisville, NC facility.

Please contact me if you have any questions regarding this matter.

Sincerely,

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Stanton B. Woodcock  
Spectrum Manager