

Ericsson
Exhibit to STA Application, File No. 1687-EX-ST-2016
Date Filed: 12/6/2016

Ericsson submits this application for Special Temporary Authority to conduct an LTE demo at the Consumer Electronics Show, 2017, which will show specific use cases within radio access network and cloud domains. The Commission has previously granted authorization for Ericsson to conduct the same demo at the GE Minds + Mobility event in San Francisco, CA, in November 2016.¹ This is a separate from the application that Ericsson has filed to conduct a 5G demonstration at CES 2017.²

The transmissions will be at very low power, no more than 39.81 mW EIRP. (Note that the power we listed on Form 442 was EIRP, not ERP.) Because of the low power and the demo's location within a trade show as part of an industry event, the experiment will not interfere with existing users. We have already coordinated our usage of the frequencies with local Advanced Wireless Service (AWS) licensee(s) to avoid interference.

For the directional antenna, the orientation in the horizontal plane is 0 degrees and orientation in vertical plane is 0 degrees.

¹ See File No. 1430-EX-ST-2016

² See File No. 1618-EX-ST-2016.