Date Filed: July 7, 2016

Ericsson submits this application for Special Temporary Authority to conduct a 5G demo at CTIA's SuperMobility Show, September 4-9, 2016 in Las Vegas, Nevada. The Commission has previously granted Ericsson Special Temporary Authority to conduct similar demos at the 2015 CTIA show, at the 2015 Verizon 5G Forum, and at the 2016 Consumer Electronics Show.

Ericsson is requesting to operate on the government spectrum bands only because this phase of our 5G research was designed in Sweden to operate on these bands. We have no plans to request that this spectrum be repurposed for commercial use.

Directional Antenna Information

The base station, which has a directional antenna, will be located in the Ericsson booth inside the Las Vegas Convention Center. The antenna will be at 14 feet high and have a

The antenna parameters will be:

Polarization:
Horizontal HPBW:
Vertical HPBW:
Antenna gain:
EIRP: \(\leq 2\) Watts
Electrical tilt:
Mechanical tilt:

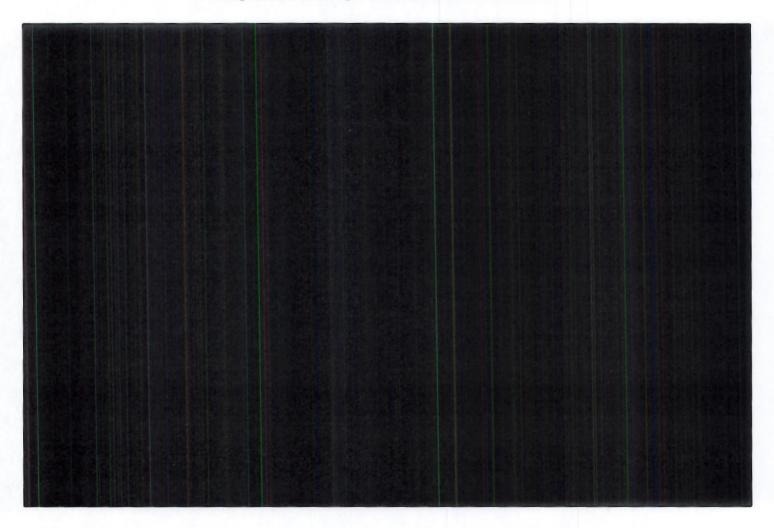
See File No. 0808-EX-ST-2015.

See File No. 0806-EX-ST-2015.

³ See File No. 1253-EX-ST-2015.

Exhibit to STA Application, File No. 1023-EX-ST-2016 Date Filed: July 7, 2016

Diagram for the V-pol antenna elements: azimuth



Ericsson

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Diagram for the V-pol antenna elements: elevation.

