

Ericsson
File No. 0155 -EX-CN-2018
2/14/2018

Ericsson is seeking this license to conduct research to seek to understand the characteristics of the millimeter Wave operating bands, channel bandwidths, and the U/L ratios for residential and commercial deployments. This is an important part of our research in developing the next generation of wireless technology, 5G.

Directional Antenna Exhibit

The antenna parameters will be:

Polarization: **REDACTED**
Horizontal HPBW: **REDACTED**
Vertical HPBW: **REDACTED**
Antenna gain: **REDACTED**
Electrical tilt: **REDACTED**
Mechanical tilt: **REDACTED**
Horizontal Beam Steering: **REDACTED**
Vertical Beam Steering: **REDACTED**

Call Sign Waiver Request

The experimental 5G base stations are not built to transmit a call sign. While we have determined that we would be able to modify the base stations to transmit a call sign in simple Morse code should the Commission not grant the waiver in its current form, Ericsson requests that the requirement to transmit a call sign be waived for this experiment. We will be experimenting with new modulations, and other parties will not have receivers that can read the call signs. We will coordinate with existing users to prevent interference.