

Ericsson
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At Ericsson, we are developing 5G RF models to generate coverage predictions for our customers at 39 GHz. This is important to the development of radio technology as millimeter wave frequency models are new as part of 5G. The path loss associated with millimeter wave frequencies drives a much greater reduction in cell size and thus greater sensitivity in the number of cells and associated equipment to cover a geographic area.

Ericsson is prime provider of wireless equipment to North American carriers and at the leading edge of developing and providing 5G solutions to North American carriers. In order to generate reliable RF 5G propagation models, Ericsson needs to collect Continuous Wave (CW) data at 39 GHz in various urban and suburban locations with varying degrees of foliage. This data will be of great value to not only advise carriers and the industry on how best to design and deploy 5G networks, but also to help evolve 5G technology. 5G is not only an imperative for Ericsson and the North American carriers, but a strategic imperative for the United States of America.

Note on Length of Operation:

We will not be operating continuously at all sites throughout the requested license period. We plan to operate for approximately four days at each site. We have requested the 8-month license period in case the license is granted after the foliage is no longer at the necessary for density by the time the license is granted. If that is the case, we will have to wait and do the testing at the end of the requested license period.