

Related to the Nokia application for 600Mhz Blocks C, D, and E experimental license for Nokia Irving and Dallas Texas Facilities (File Number 0642-EX-CN-2019).

Planned accomplishments of the pilot/testing

Program of research and experimentation proposed including description of equipment and theory of operation:

Nokia is a leading manufacturer of Wireless Communications equipment and will use the requested frequency band to conduct testing of equipment in 5G technology at the Irving and Dallas Texas facilities. Utilizing this frequency for testing and experimentation, Nokia expects it would provide the expected customer operations savings, quality enhancements and better safety, therefore contributing to general acceptance and broader usage of this 5G technology.

The grant of the requested experimental license will allow Nokia to:

- Demonstrate its wireless concepts and products to its potential customers
- Enhance its efforts to design and develop equipment to meet the communications needs of its customers
- Verify that the frequency band can be used for the superior 5G technology use cases for operational efficiency
- The license duration would provide adequate time to setup, perform OTA testing for specific customer use cases, and tear down of the equipment.

Specific objectives thought to be accomplished:

Build an OTA 600Mhz test network used for validating this 5G technology for US carriers in this frequency band prior to and during commercial launch performing real world use cases on a live 5G network.