

Exhibit

Applicant seeks a two (2) year experimental license to demonstrate the functionality and capabilities of the fifth generation (“5G”) advanced wireless communication systems using experimental equipment operating in the 2.4 GHz and 2.8 GHz spectrum bands.

The industry standards organization, 3rd Generation Partnership Project (“3GPP”), is developing 5G Advanced standards, which are expected for release beginning in 2024. 5G advanced systems will utilize advanced antenna technologies with beamforming and multiple in multiple out (“MIMO”) technology, as well as more efficient coding and modulation schemes.

Applicant’s 5G advanced experimentation will involve communications between fixed (FX) base stations placed outdoors in an open space at 9505 Arboretum Blvd, Austin TX, 78759. The wireless link will be established between the base station and mobile user equipment (“UE”) located in the same area, at a distance of up to 500 meters apart. The base station and UE will be operated at 30 meters and 1 meter, respectively, above ground level.

The experiments using this license will provide valuable information to optimize next generation radio access architectures, which will subsequently enable high throughput resilient millimeter wave networks for cellular users.



