

## **Exhibit**

Applicant seeks a one (1) month Special Temporary Authority (STA) to demonstrate at the New York-New York Casino in Las Vegas, Nevada, the functionality, features, and capabilities of the fifth generation (“5G”) 3GPP NR-based wireless communication systems using experimental equipment operating in the 39 GHz spectrum band. The STA is needed from October 1, 2019 to November 1, 2019.

The industry organization 3<sup>rd</sup> Generation Partnership Project (“3GPP”) completed the R15 NR specifications in June 2018, which together with 3GPP final NR specifications in Release 16, has been submitted for consideration as an IMT 2020 Radio Interface Technology at the July 2019 ITU-R WP5D meeting. 5G systems provide low latency multi-gigabyte per-second (Gbps) mobile and fixed broadband services. AT&T seeks the STA to further demonstrate the advanced applications and services possibilities in the requested mmWave frequency band.

Applicant’s 5G demonstrations will involve communications between up to three (3) fixed (FX) base station antennas and up to twenty (20) user equipment (UE) units placed within 100 meters of the base station antennas. The base station and the UE antennas will be placed outdoors at a height of less than four (4) meters in front of the Casino property located at 3790 Las Vegas Boulevard South as shown in the maps below. The red dot in the map below indicates the location of the base stations, which will have connectivity to an internal server to provide content over the 5G air interface for the purposes of this demonstration.



