

EXHIBIT I

Applicant seeks a special temporary authorization for a 1 week operational experimental license to conduct a fixed demonstration at the Texas Wireless Summit, October 15-22, 2016, in the 27500-28500 MHz frequency band. The indoor demonstration will be conducted at the Edgar A. Smith Building, 200 E. Martin Luther King, Jr. Blvd, Austin, TX, 78701. Applicant's demonstration and the expected experimental equipment would support potential fifth generation (5G) multi-gigabyte per second (Gbps) applications for fixed and mobile wireless communication networks at higher transmission rates and lower latency than is currently available. Applicant seeks authority to begin conducting these demonstration to allow for trials before the 3rd Generation Partnership Project (3GPP) 5G standards are finalized in the 2018-2019 time period.

Applicant's proposed demonstrations would involve base stations that would transmit signals to and receive signals from experimental equipment located on fixed stations and within 50m. Applicant's technical request for the frequency band is summarized as follows:

	27500-28500 MHz
Base Station Location	Edgar A. Smith Bldg, 200 E. Martin Luther King Jr., Blvd, Austin, Tx, 78701
Cell Radius	50m
Station Class	FX
Rad. Center Line	Approx. 2 meters AGL
Emission Designator	800MW7W
Modulation	See below at **
Mean Peak	To be determined
Frequency Tolerance	To be determined
Base Station TX Output Power	
Mobile TX Output Power	
ERP- Base Station	<30 dBm
ERP-Mobile	<20 dBm

Orientation in Horizontal Plane	TBD
Orientation in Vertical Plane	0°
Max. Beamwidth at ½ Power Point (horizontal)	24°
Max. Beamwidth at ½ Power Point (vertical)	90°

**Emission consists of the main carrier modulated, either simultaneously or in pre-established sequence, in a combination of two or more of the following modes: amplitude, angle, and pulse.