

## NARRATIVE STATEMENT

### A. Purpose of Operation:

California Internet, L.P, dba GeoLinks (“GeoLinks”) respectfully requests Experimental Special Temporary Authority to conduct an experimental trial of prototype equipment being developed by Tarana Wireless Inc. In this trial, GeoLinks, will conduct additional research and development of new technologies for Gigabit wireless broadband access to the home in rural, suburban and urban areas. This research will supplement the activities conducted by Tarana Wireless through its own experimental licenses issued under call signs WI9XNO, WI9XPL and WI2XAF.

Specifically, GeoLinks proposes to test and demonstrate key functionalities of prototype equipment designed to improve Non-Line-of-Sight (“NLoS”) reliability and spectral efficiency of wireless of broadband wireless access systems. It also seeks to test and evaluate the coverage, capacity, and reliability of multiple link operations on the same frequency channel. GeoLinks proposes to conduct these tests using a single fixed base station and up to four temporary fixed devices operating at various locations using prototype Base-Node (“BN”) and remote node (“RN”) radio equipment operating in the 3300-3550 MHz and 3700-3800 MHz bands.

Neither GeoLinks nor Tarana Wireless proposes to market, sell, or lease prototype equipment or services to end users. In addition, no fees will be charged to entities evaluating the equipment during these tests. After the experimentation ceases, GeoLinks will return all unauthorized devices to Tarana Wireless.

### B. Additional Location Information:

Hub Location: 2102 Balcom Canyon Rd, Santa Paula, Ventura County, California 93060  
Lat / Long.: 34-20-01 N / 119-00-49 W  
Ground Elevation: 670 meters AMSL  
Antenna Height to Tip: 4 meters AGL

Remote Site: Various temporary fixed locations within a 7 km radius of the hub location

**C. Technical Specifications:**

**1. Frequencies Desired:**

GeoLinks requests an experimental Special Temporary Authority to operate in the 3300-3550 MHz and 3700-3800 MHz bands as detailed in the associated FCC Experimental STA Application Form.

**2. Equipment To Be Used**

GeoLinks will use prototype equipment manufactured by Tarana Wireless Inc. The fixed base station will use Model AA3-BN-XX and the four temporary-fixed mobile units will use Model A3-RNF-XX.

**3. Effective Radiated Power:**

Model	BW MHz	Emission	EIRP dBmi	EIRP W	ERP dBmi	ERP W
AA3-BN-XX	80	80M0D7D	55	316.2	52.8	190.5
AA3-BN-XX	40	40M0D7D	55	316.2	52.8	190.5
AA3-RNF-XX	40	40M0D7D	46.4	43.7	44.2	26.3

**D. Contact Information:**

For questions about this application, please contact:

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Skyler@geolinks.com

In the unlikely event interference concerns should arise during the period of authorization for this license, please contact:

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