

NARRATIVE STATEMENT

Pursuant to Sections 5.51, 5.53 and 5.61 of the Commission's rules, 47 C.F.R. §§ 5.51, 5.53 and 5.61 (2012), Tarana Wireless Inc. hereby respectfully requests an experimental license to operate in the 3655-3670 MHz band for the purpose of evaluating and demonstrating the functionality and performance of prototype devices under design and development.

In addition, Tarana Wireless Inc. respectfully requests expedited treatment of this request so that it may commence tests on or before **August 19, 2013**, and continue such tests through October 31, 2013. Justification for such action is attached separately in the "Request for Expedited Treatment" accompanying this application.

The following provides additional details regarding this request.

A. Purpose of Operation and Need for Experimental License:

Tarana Wireless is designing and developing equipment that will operate in the 3655-3670 MHz band. It seeks to demonstrate and test key functionalities of prototype equipment designed to improve Non-Line-of-Sight ("NLoS") reliability and spectral efficiency of wireless backhaul systems. Tarana Wireless also seeks to test and evaluate the coverage, capacity, and reliability of multiple backhaul link operations in on the same frequency channel

B. Need for an Experimental License and Expedited Treatment:

Tarana Wireless was recently asked by a leading communications company to conduct demonstrations and tests beginning on August 19, 2013, to benchmark the system as part of its vendor selection process. The demonstrations cannot be postponed until a later date.

C. Locations and Antenna Specifications of Proposed Operations:

Location No. 1:
6220 Sprint Parkway, Overland Park, KS (Hub Site)
Lat. Long.: North 38.915, West -94.657 (NAD83)
Ground Elevation: 950 feet AMSL
Building/Antenna Structure Height: 60 feet AGL
Antenna Height to Tip: 72 feet AGL
Center of Radiation: 66 feet AGL
Azimuth: 345.5°

Location No. 2:

6180 Sprint Parkway, Overland Park, KS (Remote Site #1)
Lat. Long. North 38.918, West -94.658 (NAD83)
Distance from Hub Site: 0.214 miles
Ground Elevation: 950 feet AMSL
Building/Antenna Structure Height: 60 feet AGL
Antenna Height to Tip: 72 feet AGL
Center of Radiation: 66 feet
Azimuth: 165.5

Location No. 3:

6500 Sprint Parkway, Overland Park, KS (Remote Site #2)
Lat. Long.: North 38.919, West -94.659 (NAD83)
Distance from Hub Site: 0.296 miles
Ground Elevation: 977 feet AMSL
Building/Antenna Structure Height: 60 feet AGL
Antenna Height to Tip: 72 feet AGL
Center of Radiation: 66 feet AGL
Azimuth: 158.7°

Location No. 4:

6000 Sprint Parkway, Overland Park, KS (Remote Site #3)
Lat. Long.: North 38.919 West -94.656 (NAD83)
Distance from Hub Site: 0.281 miles
Ground Elevation: 953 feet AMSL
Building/Antenna Structure Height: 60 feet AGL
Antenna Height to Tip: 72 feet AGL
Center of Radiation 66 feet AGL
Azimuth: 191°

Location No. 5:

6111 Sprint Parkway, Overland Park, KS (Remote Site #4)
Lat. Long: North 38.918035, West -94.656752 (NAD83)
Distance from Hub Site: 0.214 miles
Ground Elevation: 954 feet AMSL
Building/Antenna Structure Height: 50 feet AGL
Antenna Height to Tip: 62 feet AGL
Center of Radiation: 56 feet
Azimuth: 194.5°

Tarana Wireless also proposes to operate a mobile unit within 1 mile of Location No. 1. The unit will be placed in a vehicle with telescopic mast and an antenna height to tip of not more than 10 feet AGL. The radius of operation will be within one mile radius from the Hub location.

D. Technical Specifications:

1. Frequencies Desired

Tarana Wireless requests an experimental license to operate in the 3655-3670 MHz band.

2. Effective Radiated Power

All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiation.

Mean ERP: 6.02 W (for 10 MHz operation)

Mean EIRP: 10.0 W (for 10 MHz operation)

In addition, Tarana Wireless will evaluate environmental considerations to ensure compliance with Section 1.1307 of the FCC's rules, 47 C.F.R. § 1.1307 (2012), and, in particular, the human exposure requirements set forth in FCC OET Bulletin No. 65.

3. Modulation and Emissions

Emission Designator: 10M0D7D

4. Equipment To Be Used

Equipment Type:	Prototype Equipment
Manufacturer:	Tarana Wireless Inc.
Transmitter Model Nos.:	At the Hub Site: AbsoluteAir-CN-3-100 At the Remote Sites: AbsoluteAir-EN-3-100
No. of Units:	At the Hub Site: 2 At the Remote Sites: 2 at each site Mobile: 1

E. Restrictions on Operation:

Tarana Wireless does not propose to market, sell, or lease prototype equipment to end users. Moreover, no fees will be charged to entities evaluating the equipment during this test. After the experimentation ceases, it will recall and recover all unauthorized devices.

Tarana Wireless also recognizes that the proposed experimental operation must not cause harmful interference to authorized facilities. It does not anticipate a problem, but should interference occur, it will immediately take steps to resolve the interference, including if necessary discontinuing operation. To that end, Tarana Wireless would advise entities using the equipment that permission to operate the equipment has been

granted under experimental authority issued to Tarana Wireless, is strictly temporary and may be canceled at any time, and that any unauthorized equipment may not be and may not be, offered for sale or lease, or sold or leased, until authorization is obtained. Specifically, Tarana Wireless proposes to label the equipment or user information conspicuously with information as follows:

FCC STATEMENT

Permission to operate this device has been granted under experimental authority issued by the Federal Communications Commission to Tarana Wireless, Inc., is strictly temporary, and may be canceled at any time.

This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained. Thus, the user does not hold a property right in the device and may be required to return the device.

F. Public Interest Statement:

Tarana Wireless submits that issuance of an Experimental License as requested is in the public interest, convenience, and necessity. Grant of an experimental license will permit them to develop innovative equipment that will accommodate the communications needs of users.

G. Contact Information:

For questions about this application, please contact:

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

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