

Exhibit 1

Description of Proposed Experimental Operation

StarTouch Broadband Services is a microwave Internet service provider located in the Pacific Northwest and has been delivering high speed wireless Internet services for the past 8 years. StarTouch has deployed and tested several licensed and unlicensed products in this region over the past several years and has deployed and consulted on several systems throughout the United States.

StarTouch desires to develop and deploy systems for the delivery of efficient, affordable high-speed Internet, interconnect and data access to its business customers, first responders, and the medical community utilizing spectrum in the 3650-3700 MHz bands. To support this system, StarTouch must conduct system performance trials in the Pacific Northwest to determine viability and propagation studies in this environment with this new technology.

The objective of the system trials proposed is to determine the feasibility and optimum equipment configuration for utilization of 3650-3700 MHz band in the Pacific Northwest using the TDD NLOS for indoor and outdoor installations. Additionally, these system trials will help ascertain the interference impact of existing transmissions on Fixed Satellite Service (FSS) facilities. The results of the tests will help establish the minimum system parameters and hardware required to provide high-speed data services without adverse impact on existing FSS operations or other existing band users.

StarTouch proposes to utilize 14 MHz-wide channels in 14 MHz steps utilizing Quadrature Amplitude Modulation with an EIRP not to exceed 40dBm (10 watts). All transmission devices will be fixed and located within a 30 km area. StarTouch will use equipment developed by Redline Communications. Model AN-100 point to multipoint radios configured by the manufacturer to operate in the 3650-3700 bands. All base stations and remote stations will be professionally installed. Information provided by the manufacturer of the antennas and transmission equipment is attached for reference as **Exhibit 2** and **Exhibit 3**.

To assure protection of existing FSS earth stations and Federal Government operations in this band, a search of the IBFS database was conducted to identify facilities in 3650-3700 MHz band located within 200 km of the proposed service area. This database study is attached as **Exhibit 4**.

As demonstrated in the database search, the nearest FSS facilities were found to be more than 600 km distant, well outside the protection zones. Due to the distance separation of the proposed operations to the existing facilities, no interference to FSS earth stations and Federal Government operations are expected to occur. Due to distance separation to other 3650-3700 licensed applicants with temporary permits, no interference is expected to occur.

Should interference form from these experimental operations to any existing facilities, the testing will be suspended immediately. StarTouch will then investigate resolution to the interference.

The planned equipment has an excellent compliance record outside the United States in the licensed 3.5 bands. The manufacturer has excellent compliance and performance on all its unlicensed deployment here in the US as well.

Another specific goal it to test and monitor any possible interference with adjacent frequency bands. StarTouch can then see if any additional filtering will need to occur for continued testing. StarTouch will discontinue any operations should interference occur and will work to eliminate the interference before continuance of testing.

StarTouch has identified that indoor and outdoor coverage capabilities is also critical in determining and establishing a minimum system design for use of this system in the Pacific Northwest. Parameters to be determined by the system tests will include the following:

- Maximum coverage area from a single base station
- Signal reliability over time
- Signal penetration losses through foliage, terrain and structures
- Changes in signal propagation due to weather conditions
- System durability based on the number of users simultaneously transmitting
- Quality of Service (QOS) for voice and video technologies

Up to 25 test sites may be utilized at various distances from the base station site. StarTouch intends on using existing data traffic flows from its existing network to help conduct these performance tests. Since a TDD system is being proposed, only a maximum of 6 locations will be sending data at any given point in time. Testing at these sites will be conducted over a 24 hour period for a duration of 1000 hours each.

StarTouch currently has 550 subscribers in an area of approximately 700 square miles of coverage. StarTouch has extensive expertise in RF design, network deployment and customer service. StarTouch understands its customers needs and what it takes to build a carrier data infrastructure. StarTouch is qualified to model this test. The market that StarTouch selected in the Pacific Northwest represent a typical high rain and severe weather region which StarTouch feels is critical for this test.

Exhibits

1. Experimental Description
2. Directional Antenna Data
3. Equipment Information
4. FSS Facilities Considered
5. Antenna Structure Data
6. Modulating Description
7. Necessary Bandwidth
8. Antenna Pointing Map
9. TOWAIR Antenna Structure Registration Results