

Narrative Statement

Description STA

Exhibit 1

PART-15.ORG
NEW ORLEANS, LA

As the Commission is aware, the PART-15.ORG (P15) is a worldwide organization of Wireless Internet Service Providers ("WISPs") and equipment vendors who provide technical support and training in the provisioning of broadband service via license-exempt spectrum in the 902-928 MHz, 2.4 GHz and 5 GHz bands. The PART-15.ORG is also active in a number of Commission proceedings that directly or indirectly pertain to the license-exempt industry. The PART-15.ORG submits on our own behalf the following.

P15 desires to develop and deploy systems for the delivery of efficient, affordable high-speed Internet access to our upcoming WISPCON conference utilizing radio spectrum in the 5.4 GHz band. To support this advanced system development, P15 is requesting an authorization to conduct a temporary system performance trial and demonstration at our upcoming Wireless Internet Service Providers Conference (www.wispcon.info) on February 19-24, 2007 in the New Orleans area of Louisiana to determine the relationship between theoretical performance predictions and actual system performance of new technology for high speed Non-Line Of Sight ("NLOS") wireless broadband service under signal propagation conditions typical in the Dallas/Fort Worth suburban and rural areas.

The objective of the system trials proposed herein is to determine the feasibility and optimum equipment configuration requirements for utilization of the 5.4 GHz band to deploy high speed NLOS wireless data services to indoor and outdoor installations using Time Division Duplex ("TDD") technology. Additionally, these system trials will help ascertain the interference impact of system transmissions on existing co-channel and adjacent channel operators.

P15 proposes to utilize 10/20/40 MHz-wide channels in 2.5 MHz steps utilizing Quadrature Amplitude Modulation with an EIRP not to exceed 30 dBm (1 watts). All transmission devices will be fixed and located within a 20 km radius area. Primary base station and remote equipment for these trials will be the AN-80i® system developed by Redline Communications and configured by the manufacturer for transmissions in the 5.4 GHz band. Base station and remote devices utilized by P15 for this STA will be professionally installed and will operate in compliance with Part 15 and within the parameters and power levels therein. Information provided by the manufacturer for the antennas and transmission equipment is attached for reference as **Exhibit 2** and **Exhibit 3**.

Should interference from this STA operations occur to existing authorized facilities, the STA will be suspended immediately pending resolution of the interference.

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Exhibits

- 1 Experimental Description
- 2 Directional Antenna Data
- 3 Equipment Information
- 4 Antenna Structure Data
- 5 Modulating Signal Description
- 6 Necessary Bandwidth