

EXHIBIT 1
DESCRIPTION OF THE EXPERIMENT

Rearden LLC (the “Company”) seeks to conduct product development and market demonstration in the 3.5GHz range (using multiple 5MHz blocks between 3550-3600MHz) that will examine a new digital modulation technique for wireless networks, thereby providing important information for the development of next generation wireless communications applications for the business and consumer markets. Specifically, Rearden will install prototype base stations enabled with proprietary pCell™ wireless technology in the SAP Center at San Jose that allows each wireless user to use the full data rate of shared spectrum simultaneously with all other users, by eliminating interference between users sharing the same spectrum. Rearden will examine network performance, features, and functionality of pCell wireless technology and a suite of customer applications. Testing is required to determine the viability of pCell wireless technology and its ability to support a variety of applications with a high density of concurrent users. In addition, testing is necessary to verify design characteristics and performance in an indoor environment with trial users, as well as other technical parameters.

Testing will consist of short-range transmissions in and around the SAP Center at San Jose using indoor mounted base station antennas, which have been designed to operate in 3550-3600MHz, and commercial LTE user devices designed to operate in 3550-3600MHz. Transmit power of the base stations will be at most 5W EIRP and out-of-band emissions will meet 47 C.F.R. Part 27 limits and they will be fixed and operating at a higher elevation (up to 100 feet AGL) mounted indoor on either the floor or the ceiling of SAP Center.

Some of the system variables to be tested include: range and penetration capabilities and customer application preferences. Rearden will conduct testing exclusively in the SAP Center and surrounding areas in San Jose, California. Access and use of the test network, platform, and applications will be limited to employees or full-time contractors of Rearden.

The proposed wireless communications experiment and the associated evaluation and/or customization of the above-referenced technology will advance the Commission’s spectrum policies to promote innovation, and competition. The proposed experiments and trials have the potential to lead to more efficient and productive utilization of spectrum made available by the Commission for licensed and unlicensed operations.