

Narrative Statement Description of Proposed Experimental Operation Page 1 of 2	Exhibit 1 SpeedNet, L.L.C. Mount Pleasant, MI
SpeedNet, L.L.C., (“SpeedNet”) an operator of MDS systems in the central Michigan area desires to develop and deploy systems for the delivery of efficient, affordable high-speed Internet access to rural sections of central Michigan. To support this system development, SpeedNet is requesting an authorization to conduct system performance trials in the Mount Pleasant, MI area 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 central Michigan area. Grand Wireless Company (“Grand Wireless”), the MDS authorization holder for the Mount Pleasant, MI BTA has provided consent to SpeedNet for conducting these trials within its MDS service area. The objective of the system trials proposed herein is to determine the feasibility and optimum equipment configuration requirements for utilization of MDS frequencies to deploy high speed NLOS wireless data services to indoor and outdoor installations within the Mount Pleasant, MI area using Time Division Duplex (“TDD”) and Orthogonal Frequency Division Multiplexing (“OFDM”) technology. The results of these tests will be used to establish the minimum system parameters and hardware required to provide reliable, affordable high speed wireless data services to widely scattered homes, farms and small businesses in this area of northern Michigan. Primary base station and remote equipment for these trials will be the <i>Expedience</i>TM system developed by NextNet Wireless. An important aspect of these trials is to determine the coverage capabilities of this new type of wireless communications system to both indoor and outdoor user installations. The results will be used to establish the minimum system design specifications required to achieve wide areas of reliable coverage in this area of Michigan. Parameters to be determined by the system tests will include the following: - Maximum coverage area from a single hub site - Signal reliability over time - Signal penetration losses through foliage and building walls - Changes in signal propagation due to weather conditions - System durability based on the number of users simultaneously accessing the network Up to 100 test sites will be utilized at various distances from the hub site. Once service is verified at a test site, the trial of service availability at that site continues on a 24-hour basis for at least 1000 hours. Reports from volunteer users at each site are utilized to determine system performance and reliability. SpeedNet already holds significant experience providing high speed two-way data services to rural customers with an earlier generation of equipment utilizing MDS spectrum. SpeedNet has learned how the local geography, land clutter and atmospheric conditions affect propagation characteristics of these first generation systems. Unfortunately, the original systems require an unobstructed	

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electrical path between the base stations and customer sites. In many cases, obtaining a clear path to each site is not practical or possible. Along with the technical characteristics of its existing operations, SpeedNet also has learned the business and communications demands of its customers within its unique rural market. From this technical and market experience, SpeedNet is uniquely qualified to model the emerging generation of NLOS high-speed wireless data systems to determine their ability to match the reliability and quality of service expected by its residential, business and educational customers. Equipment tests will be conducted on MDS channels E2 and E3 within the Mount Pleasant, MI BTA. Grand Wireless, as the MDS authorization holder for this BTA, has granted SpeedNet consent to conduct these tests within its authorized service area. SpeedNet will conduct these tests in a manner to prevent interference, as defined in Part 21 of the Commission's Rules, to other incumbent and BTA MDS facilities. Worst-case interference studies found the facilities will operate in accordance to the Commission's Rules for MDS stations without any adverse impact on previously proposed or authorized facilities. Should interference from these experimental operations occur to other MDS facilities, the tests will be suspended pending resolution of the interference. The data obtained from these tests will contribute to the further development and utilization of NLOS technology for deployment in rural areas, like Mount Pleasant, where such technology has previously not been deployed. Upon successful completion of these trials, SpeedNet and Grand Wireless plan to make application to the Commission requesting a regular license for two-way MDS facilities utilizing such NLOS equipment and commence commercial service. Should the Commission require further information or materials regarding the information submitted herein, such will be promptly furnished upon request.	