

Union Telephone Company

Application for STA for Experimental Authority To Undertake Testing in the 3550 - 3650 MHz Band

Narrative Statement

Union Telephone Company ("Union") seeks an STA for experimental authority to undertake testing of Point-to-Multipoint ("P2MP") operations in the 3550 – 3650 MHz band. Union is an established telecommunications service provider, offering wireless and wireline service to its customers.

Union seeks to commence testing no later than July 16, 2018, for a period of three (3) months. Because of the severe weather in Wyoming during the winter, Union seeks to deploy the equipment and complete the initial testing by mid-October, prior to the winter.

Union seeks to assess the propagation characteristics and real-world throughput of 3550 – 3650 MHz radios in the highly rural area of Wyoming, and neighboring states, where Union currently provides service.

Union holds a nationwide, non-exclusive license (WQTH550) to operate in the 3650 – 3700 MHz band, and Union has registered 10 links in this band. For testing, Union will re-tune equipment certified by the FCC to operate in the 3650 – 3700 MHz band so that such equipment can operate in the 3550 – 3650 MHz band. Union will comply with the power limits and out-of-band emission limits set forth in the Part 96 rules for Category B CBSDs.

Union will use existing towers to undertake its tests.

To the best of Union's knowledge, there are no ground-based radars in or near the planned trial area. In addition, FCC records show that there are no Fixed-Satellite Service earth stations operating in the 3600 – 3650 MHz band operating anywhere near the vicinity of the trial location(s).