

Exhibit 1 - Request for Experimental Authorization

United States Cellular Corporation (“UScellular”) hereby requests an experimental license for a seventeen (17) month period to conduct testing utilizing the flexible use, C-Band frequency range of 3.92 GHz – 3.98 GHz. Grant of this experimental license will allow UScellular to evaluate operation, coverage, capacity, and propagation characteristics of deployed cellular radios in the requested frequency range of 3.92 GHz – 3.98 GHz and will help assess C-band products for wireless 5G deployment. This frequency range aligns with UScellular C-Band license holdings at the test locations.

Comsearch was consulted for interference studies to ensure no interference would result to registered C-Band earth station operations. The results of that study indicate no interference will result based on UScellular testing at these locations. A stop buzzer contact number is provided below in the unlikely event any earth station receives interference from this testing.

The testing will utilize commercially deployed US Cellular towers within a controlled test configuration with mobile operations limited to test areas/sectors. ERP as requested to characterization of path loss at distances of 1-15 kilometers and evaluate coverage with beamforming equipment on fixed station. Additional technical parameters are specified in the accompanying FCC Form 442 form.

Test Locations:

Location	Latitude	Longitude	Antenna Height (AGL)
Wisconsin Dells (WI Dells Core site)	43° 37' 31.8" N	89° 46' 39.1" W	33.5 m
Wisconsin Dells (Witches Gulch site); FCC ASR #1229708 ¹	43° 39' 34.8" N	89° 49' 28.0" W	62.5 m
Wisconsin Dells (Chula Vista site) ²	43° 39' 32.2" N	89° 46' 36.1" W	49.7 m

¹ UScellular has recently submitted an updated FAA 7460-1 (Notice of Proposed Construction or Alteration) for the Witches Gulch structure under Case No. 2022-AGL-14965. This filing, among other things, incorporates the FCC allocated C-band frequency range.

² UScellular has recently submitted an updated FAA 7460-1 (Notice of Proposed Construction or Alteration) for the Chula Vista structure under Case No. 2002-AGL-14966-OE. This filing, among other things, incorporates the FCC allocated C-band frequency range.

In the unlikely event any interference issues arise pursuant to operations under this experimental license the UScellular Network Operations Center (“NOC”) should be contacted at 1-800-510-6091 Option 1, then Option 5. The NOC is operational 24 hours a day. In the event of an interference issue the NOC will immediately contact the appropriate regional UScellular associate to resolve any issues. Alternative POC is Darryl De Gruy, Lead RAN Engineer at Darryl.degruy@uscellular.com (630-745-8978).