

EXHIBIT 1

PROGRAM OF RESEARCH AND EXPERIMENTATION

Pursuant to 47 C.F.R. § 5.59(a)(1), Higher Ground LLC (“HG”) requests to modify its conventional experimental license (Call Sign WH2XHP; File No. 0093-EX-ML-2016) by:

- (1) adding a new Atlanta, Georgia area, within 250 km. centered around 34-2-4.03 NL and 82-10-0.29 WL; and
- (2) adding new operating frequencies at 6168-6183 MHz for all authorized operating areas, with the same station class, emission designator, authorized power, and frequency tolerance applicable to the existing operating frequencies at 5925-6035 MHz.

The proposed addition of a new Atlanta, Georgia area will help facilitate HG’s ongoing experimental operations by allowing HG to test and operate prototype SatPaq user terminals for the first time within the Southeast region of the United States, thus permitting a fuller assessment of SatPaq operations conditions. Moreover, the proposed additional operating frequencies will provide SatPaq user terminals with access to 15 MHz of C-band spectrum that is less congested. Moreover, access to this additional spectrum will offer enhanced operational flexibility, thus ensuring further interference protection of authorized point-to-point microwave systems.

All other terms and conditions of HG’s experimental license will remain the same. Consistent with its existing license conditions, HG will provide notice of its intent to operate SatPaq devices to nearby point-to-point operational fixed licensees and applicants, as well as temporary fixed licensees.