

PROGRAM OF RESEARCH AND EXPERIMENTATION

Higher Ground LLC (“HG”), pursuant to Sections 5.54(a)(1) and 5.71(a) of the FCC’s rules, requests a conventional experimental license to test and develop algorithms and techniques that can be employed in radar systems operating in the 24.45-24.65 GHz band.

The experimental radar will use a maximum of 48 Watts EIRP (30 Watts ERP) using FMCW modulation. Various radar waveforms will be used in the experiments, that may span between 50 MHz and 200 MHz of spectrum in the 24 GHz band.