

EXHIBIT 1

PROGRAM OF RESEARCH AND EXPERIMENTATION

Cellco Partnership d/b/a Verizon Wireless (“Verizon Wireless”) plans to co-develop different health care-related use cases and devices with a corporate partner. Verizon Wireless hereby requests an experimental authorization to use the 38.2-38.6 GHz band in a portion of the Fayetteville, AR Partial Economic Area on a temporary basis. The 400 MHz sought under this STA is a subset of the 37.6-40 GHz band, which will be auctioned and rebanded as part of Auction 103. Verizon Wireless’s request is temporary, expiring one year from grant. While this spectrum is currently fallow, Verizon Wireless’s request will not affect any rights with respect to licenses being auctioned in Auction 103 as described below.

Verizon Wireless holds 500 MHz of 39 GHz spectrum in the Market. These licenses, however, are distributed in a way that limits the amount of contiguous spectrum at any location. Late last year, the FCC adopted rules for an incentive auction to repack this spectrum into contiguous blocks.¹ But that process will not be complete for many months. In addition, Verizon Wireless does not hold 28 GHz spectrum in this market. Verizon Wireless initially sought an experimental authorization to operate on a non-interference, indoor basis only in the 28 GHz band. Given objections from the 28 GHz licensee, however, Verizon Wireless hereby seeks an experimental license to test new products on this contiguous 37 GHz spectrum instead.

Testing will occur solely indoors, and all transmissions will be confined within the facility at the coordinates provided in the application, so testing will not interfere with any operations of a future incumbent licensee in the test area.

The fixed base stations and mobile terminals will employ directional, beamforming antennas pointing north and south and will have a maximum antenna elevation of 0 degrees or below from the horizon. The base station antenna has a half-power beam width of approximately 10° both vertical and horizontal. Additional technical parameters are specified in the accompanying Form 442.

¹ *Use of Spectrum Bands Above 24 GHz for Mobile Radio Services*, Fourth Report and Order, FCC 18-180 (Dec. 12, 2018).