

## EXHIBIT 1

### PROGRAM OF RESEARCH AND EXPERIMENTATION

Cellco Partnership d/b/a Verizon Wireless (“Verizon Wireless”) hereby requests a short term authorization (“STA”) to use the 3700-3900 MHz band in portions of PEA001 (New York), PEA002 (Los Angeles), PEA003 (Chicago), and PEA31 (Indianapolis). Verizon Wireless plans to use this STA to test and showcase a variety of 5G applications to various stakeholders using multiple spectrum bands, including the yet-to-be-deployed C Band spectrum requested by this STA. The Los Angeles sites also include a transmitter to be used for demonstrations at the Mobile World Congress, which begins October 26, 2021. Verizon Wireless’s request is temporary, expiring six months from grant.

The proposed operations will take place using a limited number of sites, coordinated with any potentially-impacted incumbent earth station licensees. The proposed operations will be short-term in nature and could last a few hours to a few days. Verizon Wireless anticipates using approximately 25 transmitters and up to 50 mobile devices per market. The equipment will remain in the control of Verizon Wireless at all times and will not subsequently be used commercially.

Verizon Wireless’s operations will employ directional antennas with varying horizontal and vertical orientations. The beam width will be 65 degrees at the half power point. Additional technical parameters are specified in the accompanying Form 442.

While Verizon Wireless does not anticipate any interference will occur to nearby Earth Station licensees, Verizon Wireless has identified the nearest Earth Stations and will coordinate operations under the STA with those Earth Station licensees to ensure there is no interference with or disruption to their operations. Those licensees may use the below Stop Buzzer contacts if they unexpectedly experience interference:

Chicago:

Patrick Casey, [Patrick.casey@verizonwireless.com](mailto:Patrick.casey@verizonwireless.com), (612) 720-1042  
Joshua Marti, [Joshua.marti@verizonwireless.com](mailto:Joshua.marti@verizonwireless.com), (314) 791-3651

Indianapolis:

Julius Lagus, [Julius.lagus@verizonwireless.com](mailto:Julius.lagus@verizonwireless.com), (317) 646-1116  
Yesaswi Doddapaneni, [Yesaswi.doddapaneni@verizonwireless.com](mailto:Yesaswi.doddapaneni@verizonwireless.com),  
(817) 320-9475

Los Angeles:

Victor Fung, [victor.fung@verizonwireless.com](mailto:victor.fung@verizonwireless.com), 949-892-8131  
Kadie Gavan, [kadie.gavan@verizonwireless.com](mailto:kadie.gavan@verizonwireless.com), 602-319-3475

New York:

Reggie Valmores, [reginald.valmores@verizonwireless.com](mailto:reginald.valmores@verizonwireless.com),  
(201) 232-3475

Joe Berberian, [joseph.berberian@verizonwireless.com](mailto:joseph.berberian@verizonwireless.com),  
(914) 714-6121

Verizon Wireless expects operations under the requested STA will end once the Earth Stations have successfully cleared Phase 1 (100 MHz of the A-Block) and Verizon Wireless is able to launch commercial service under its own existing Auction 107 licenses.