

EXHIBIT 1

PROGRAM OF RESEARCH AND EXPERIMENTATION

Cellco Partnership d/b/a Verizon Wireless (“Verizon Wireless”) hereby requests an experimental short term authorization (“STA”) to use the 3700.485 – 3700.515 MHz band in the Top 46 PEAs. Verizon Wireless plans to use this STA to co-develop different radio frequency prediction models used for planning the network. The 30 kHz sought under this STA will fall in a subset of the recently auctioned flexible use C-Band at 3.7 to 3.98 GHz and ultimately will be part of Verizon Wireless’ post clearing assignments. Verizon Wireless’s request is temporary, expiring six months from grant.

Testing under the STA will occur outdoors, and all transmissions will be controlled at locations within the requested PEAs. Continuous Wave test transmitters will employ omnidirectional antennas not exceeding 7 dBi and will have varying antenna elevation as test locations are selected. Since the requested frequency range falls outside of Earth Station operations and transmitting a max ERP power of 61 watts, there will not be any concern for Earth Station interference as the lowest transponder bandwidth is located between 3702 and 3738 MHz.

There will be up to ten data collection teams. Each team will have one transmitter and one receiver per PEA. Each team will temporarily construct one transmitter on a Verizon cell site at a time and collect data. Once the data is collected, they will deconstruct the transmitter and move to another site. This process will repeat within the PEA until enough data is collected to develop and tune the model. Once the PEA is complete, the team will move to their next PEA assignment within the Top 46 markets.

Additional technical parameters are specified in the accompanying Form 442.

Verizon will strategically select test locations as previously noted that will not interfere with existing Earth Stations. In the highly unlikely event those licensees do experience interference, Verizon Wireless will cease interfering operations.

PEA List

PEA Number	PEA Name
PEA001	New York, NY
PEA002	Los Angeles, CA
PEA003	Chicago, IL
PEA004	San Francisco, CA
PEA006	Philadelphia, PA
PEA007	Boston, MA
PEA008	Dallas, TX
PEA009	Miami, FL
PEA010	Houston, TX
PEA012	Detroit, MI

PEA Number	PEA Name
PEA013	Orlando, FL
PEA014	Cleveland, OH
PEA015	Phoenix, AZ
PEA016	Seattle, WA
PEA017	Minneapolis-St. Paul, MN
PEA018	San Diego, CA
PEA019	Portland, OR
PEA021	Tampa, FL
PEA022	Sacramento, CA
PEA023	Pittsburgh, PA
PEA024	Saint Louis, MO
PEA025	Cincinnati, OH
PEA026	Las Vegas, NV
PEA027	Salt Lake City, UT
PEA028	San Antonio, TX
PEA029	Jacksonville, FL
PEA030	Kansas City, MO
PEA031	Indianapolis, IN
PEA032	Nashville, TN
PEA033	Virginia Beach, VA
PEA034	Fresno, CA
PEA035	Austin, TX
PEA036	New Orleans, LA
PEA037	Columbus, OH
PEA038	Milwaukee, WI
PEA039	Oklahoma City, OK
PEA040	Birmingham, AL
PEA041	Syracuse, NY
PEA043	Charlotte, NC
PEA044	Rochester, NY
PEA045	Raleigh, NC
PEA046	Little Rock, AR
PEA047	Brownsville, TX
PEA048	Harrisburg, PA
PEA049	Albany, NY
PEA050	Greenville, SC