

**Exhibit 1**  
**SRC and PureTech Systems Request for Special Temporary Authority (STA)**

1. SRC and PureTech Systems, Inc. respectfully request EXPEDITED CONSIDERATION by February 4, 2022 for the following reasons
  - a. We are requesting expedited consideration as we are testing how well the SRC Gryphon R1410 radar can detect drones trying to fly across the perimeter of facilities intending to do harm. For this test, the Federal Government has an interest in having us detect the effectiveness of this radar.
  
2. SRC and PureTech Systems, Inc. seek this Special Temporary Authority "STA" in order to allow integration testing and technical demonstrations of this man transportable commercial-off-the-shelf radar (SRC Gryphon R1410).
  
3. We are asking to add additional sites of operation. We would like to request
  - Horse Lovers Park/Reach 11 Recreation Area**  
19226 N. Tatum Blvd,  
Phoenix, AZ 85050  
33° 39' 46.9332"N, 111° 59' 7.1448"W  
Within 1km of the above lat/long
  
  - Adobe Dam Recreation Area**  
23280 N. 43<sup>rd</sup> Ave  
Glendale, AZ 85310  
33°41'46.3596"N, 112°9'9.306"W  
Within 1km of the above lat/long
  
  - PureTech Systems, Inc.**  
2038 W. Lone Cactus Drive,  
Phoenix, AZ 85027  
33°40'50.3544"N, 112°6'11.7072"W  
Within .15km of the above lat/long
  
  - Xator - Summit Point Training Facility**  
201 Motorsports Park Circle  
Summit Point, WV 25443  
39° 14' 21.2388"N, 77° 57' 49.14"W  
Within 1km of the above lat/long
  
4. STA is requested for a period of six (6) months. Testing is anticipated to be completed within 6 months of the request.
  
5. The requested STA will test the effectiveness of detecting drones trying to fly across a perimeter with the SRC Gryphon R1410 radar when integrated as part of the security detection system. The RADAR will operate in the 9.3-9.8 GHz range. At normal operation, the Radar operates at approximately 15ft from the ground. The application of the experiment is to test, evaluate and demonstrate drone detection with the RADAR package for evaluation by the Federal Government.

6. Transmitting Equipment:
  - a. SRC Gryphon R1410 (FCC ID # 2APK5-R1400 and 0086-EX-CR-2019)
  - b. #of Units to Test = 1
  - c. System Power = 445 W
  - d. ERP = 501 kW
  
7. Stop Buzzer – PureTech Systems, Inc. advises that the following will be available by wireless telephone and will act as a “Stop Buzzer” if any issues regarding interference arise during testing:
  - a. Andrew Carlson, PureTech Systems, Inc., 480-646-6164