

1. An updated airspace volume is defined as the polygon with the following coordinates (see attached image):

39 02' 42"N 077 57' 49"W
38 43' 53"N 077 24' 12"W
38 37' 06"N 077 33' 46"W
38 23' 11"N 077 40' 08"W
38 23' 00"N 078 25' 37"W
39 2' 47"N 078 03' 26"W

- A. If the location is required as a Lat/Lon and Radius, then the closest approximation to the polygon above is a circle centered at 38 40' 58"N 078 01' 14"W with a radius of 50km. While portions of these areas intersect with the Washington Dulles Class B airspace, our airborne test operations would remain clear of this airspace.
 - B. Max flight level is 10,000ft
2. Two (2) frequencies at 20MHz bandwidth are needed for testing. ERP will be 1W on ground and 8W while airborne. Operations can occur in the following bands:
 - a. 400-450MHz
 - b. 902-928MHz
 - c. 1350-1390MHz
 - d. 1780-1850MHz
 - e. 2025-2110MHz
 - f. 2200-2500MHz
 - g. 4400-5000MHz
 - h. 5150-5250MHz
 - i. 5725-5875MHz
3. Equipment being utilized is the Silvus Technologies StreamCaster 4400 MIMO radio. Further data can be found at <https://cdn.silvustechnologies.com/wp-content/uploads/2018/08/StreamCaster-4400-Datasheet.pdf>.