

EXHIBIT 1

TESTING LOCATION DESCRIPTIONS

CHEMRING SENSORS AND ELECTRONIC SYSTEMS, INC.

**APPLICATION FOR MODIFICATION OF EXPERIMENTAL LICENSE
CALL SIGN WG2XMT**

FILE NO. 0231-EX-CM-2017

Description of the location and, if applicable, geographical coordinates of the proposed operation.

Laboratory and outdoor testing is performed at Chemring Sensors' facility located at:

23031 Ladbroke Drive
Dulles, VA 20166
Lat: 38.979332
Long: -77.484286

Chemring Sensors' Dulles facility is constructed of a steel frame, composite siding, and a metal roof, and includes a sensor development lab and a system lab. In addition, some system testing activities are conducted in the parking lot around the building. The sensor development lab is an engineering laboratory where all R&D sensor builds and testing is performed. The sensor development lab is approximately 2,500 square feet of floor space configured with benches and fixtures appropriate for the development of GPR technologies. The system laboratory, also housed within the Dulles facility, is a 4,500 square foot space used for installation and integration of Chemring Sensors' detection systems onto customer vehicles, as well as subsequent testing of the system. The focus of this lab is system-level, and only the GPR interface and interaction with the rest of the system and its components are tested. These interfaces are both electrical and mechanical.

Due to emission levels exceeding the required limits per FCC Part 15 and NTIA Annex K in the 960-2210 MHz range, the proponent will operate with lower power and/or shielding to reduce risk to nearby FAA operations.

Development testing will occur at Chemring Sensors' facility located at:

4205 Westinghouse Commons Drive
Charlotte, NC 28273
Lat: 35.139037
Long: -80.975504

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The Charlotte facility is a 123,000 square foot facility that is constructed of steel pillars with concrete tilt-up walls and metal roof. Approximately three areas of around 200 square feet each are used as the manufacturing and development area.

Due to emission levels exceeding the required limits per FCC Part 15 and NTIA Annex K in the 960-2210 MHz range, the proponent will operate with lower power and/or shielding to reduce risk to nearby FAA operations. Specifically, we will operate the unit inside our buildings. This provides additional attenuation and reduces the emissions that otherwise were over the unlicensed limits in the 960 MHz to 3.1 GHz range back down to the unlicensed limits. For the frequency in the FAA aviation bands (108-137 MHz, 328.6-335.5 MHz, etc), which are already well below the unlicensed limits, this represents a further reduction.

Attached are aerial views of the Dulles and the Charlotte facilities.

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Dulles, VA 20166
Lat: 38.979332
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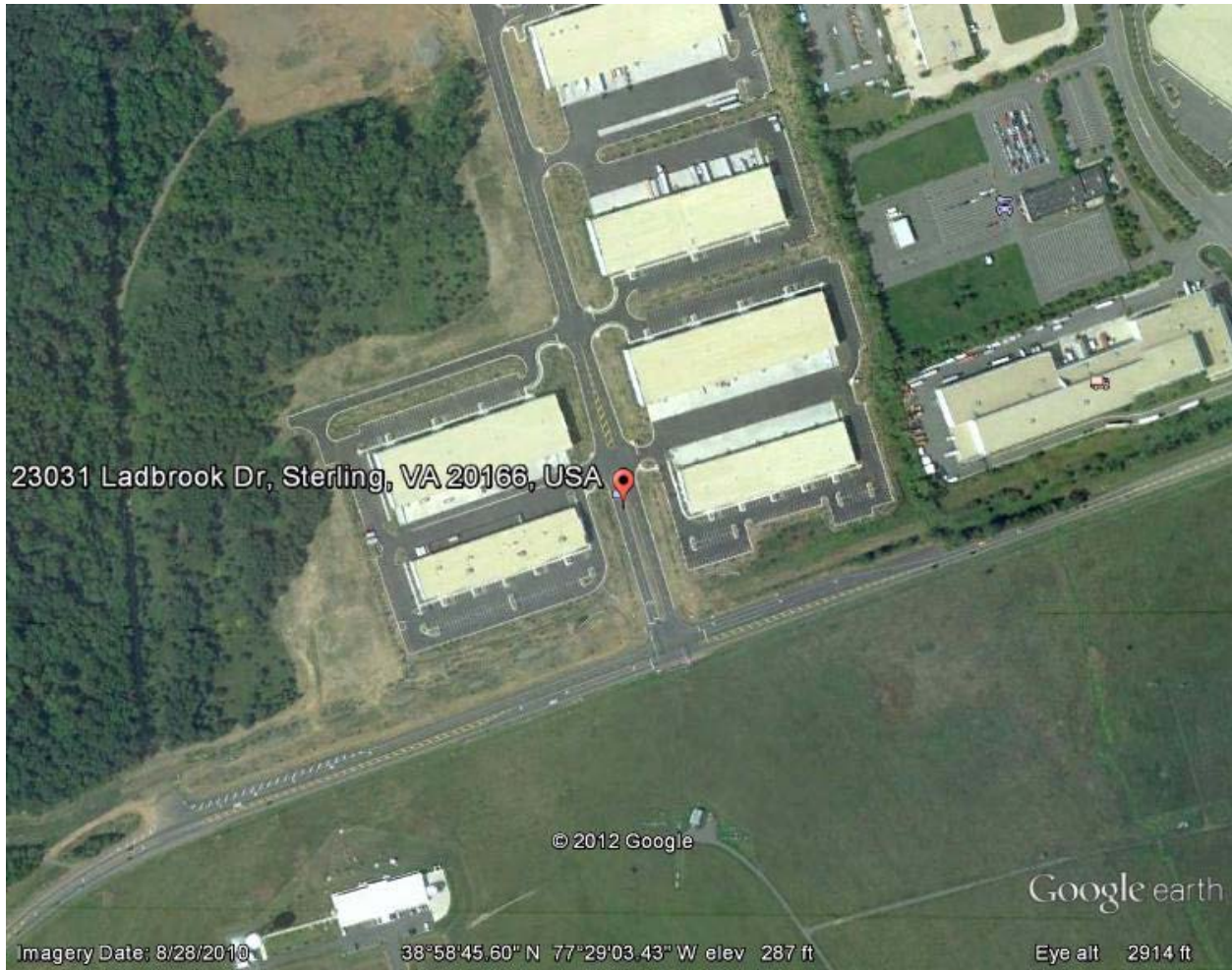


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