

Best Contact:

Perkins

Jim

Chief Scientist, SEAL-SSED

404-407-8270

Explanation:

This system is a test bed for detecting ground and air traffic. The system will be developed and tested at the GTRI Cobb County Research Facility.

Purpose of Operation:

This experiment will contribute the state of the art in detection and discrimination of air vehicles and surface targets.

Information:

Class of station – FB

Nature of Service – Experimental

Requested Period of Operation:

6/15/2020-12/15/2020

Manufacturer:

Kelvin Hughes, SBS-800-Hybrid, 1 unit, experimental yes

Station Location:

Smyrna, GA, North 33.907518, West 84.523081

Fixed site

Datum NAD 83

Directional antenna YES (radar)

Exhibit submitted, no

- (a) .45 degree half power beam width
- (b) The antenna is 5.5 meters in width
- (c) The antenna will not exceed 6 meters in height above the ground and will NOT be mounted on an existing structure

- (a) 4.3 meters
- (b) 309 meters
- (c) 1000 meters
- (d) There are multiple buildings and areas of trees between the antenna and the landing area.
There is not an unobstructed line of sight between the antenna and the landing area.

Action, new

Frequency, 9.23 and 9.47 GHz

Station class, FB

Output Power/ERP, 300 Watts / 845000 Watts

Mean/Peak, P

Frequency Tolerance, .0000001%

Emissions Designator, 26M0F3N

Modulation Signal, FM