

Best Contact:

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Explanation:

This system is a high power RF transmitter. Over the air testing is required to characterize the system.

Purpose of Operation:

This experiment will contribute the state of the art in compact high power mobile RF transmitters.

Information:

Class of station – FB

Nature of Service – Experimental

Requested Period of Operation:

8/15/2020-2/15/2021

Manufacturer:

Teledyne E2V, LCMOD_L3_100V, 1 unit, experimental yes

Station Location:

Smyrna, GA, North 33 54 42, West 84 31 37

Fixed site

Datum NAD 83

Directional antenna YES

Exhibit submitted, no

(a) 16 degree half power beam width

- (b) The antenna is 1 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) 2.5 meters
- (b) 323 meters
- (c) 450 meters
- (d) The antenna is fixed and will be pointed away from the aircraft area. The direction in which the antenna will be pointed is heavily wooded. The wooded area is 200 meters deep and very dense.



Action, new

Frequency, 1.345 GHz

Station class, FB

Output Power/ERP, 2500Watts / 550000 Watts

Mean/Peak, M

Frequency Tolerance, .01%

Emissions Designator, 1M00P0N

Modulating Signal, None