

## Exhibit Information

If all the answers to Items 4, 5, 6 are "NO", include as an exhibit a narrative statement describing in detail the following items:

- a. The complete program of research and experimentation proposed including description of equipment and theory of operation.
- b. The specific objectives sought to be accomplished.
- c. How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.

A: The research is to identify meteorites and track them to point of impact. We will be using a reconfigurable phased array operating at 9.6 GHz with an expected bandwidth of 50 MHz in pulsed mode operation and compressed pulse operation.

B: To develop working algorithms that will filter out everything except the intended target and the best combination of radio frequency transmission to achieve this goal. And to identify power levels and far coverage limits per unit.

C: Working with NASA astrophysicists we were able to identify some meteorite falls VIA the NEXRAD radar network but recent changes to the NEXRAD system has made this useless and it already had many disadvantages. This system will be the first system dedicated to this purpose.

## Station Location

City	State	Latitude	Longitude	Mobile	Street (or other indication of location)	County	Radius of Operation
0 Waldorf	Maryland	North 38 37 55	West 76 57 3		10420 Little Valley Pl	CHARLES	

Datum: NAD 83

Is a directional antenna (other than radar) used? No

Exhibit submitted: No

(a) Width of beam in degrees at the half-power point: 30

(b) Orientation in horizontal plane (degrees from True North):30

(c) Orientation in vertical plane (degrees from horizontal): 360