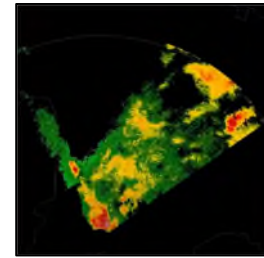


EXHIBIT 1 DESCRIPTION OF EXPERIMENT

The Ohio State University (OSU) Atmospheric Sciences Program proposes to utilize a vehicle-mounted X-Band weather radar to collect data on a variety of storms and atmospheric phenomena on a nationwide basis. This research program will allow OSU students to go out into the field to use the radar as part of their curriculum.



Attribution: Ohio State University



Attribution: Collins Aerospace

The radar will be deployed on a periodic basis as weather events and atmospheric phenomena arise. It is estimated that the radar will be utilized for approximately 120 days each year. Most deployments will be short, lasting for 5-60 minutes, although there may be some missions that require continuous scanning for several hours.

OSU will utilize one experimental Collins Aerospace Skyler-III radar. Although the radar will only use a maximum bandwidth of 17.5 MHz at any time, OSU is requesting a frequency range of 9300 – 9500 MHz. Since the radar will be used nationwide, this frequency range will permit OSU to select frequencies that will not interfere with existing users in each location.

Frequency Range:	9300 – 9500 MHz
Emission Designators:	9M20Q3N 8M30Q3N 17M5W8N
Output Power	301 W Peak
ERP	2378 kW Peak
Frequency Tolerance:	0.00100000 %
Modulating Signal:	NLFM/LFM



The stop buzzer is:

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