

Experiment Explanation:

This experiment consists of 7 low power radar units with TPO of no more than 3 Watts. They will be mounted on structures no more than 5 meters above the ground. They will be staring into mountainsides at various locations in the mountain west. They will have a near range to target of 200m with a far range not exceeding 3km.

The radars are owned by Niiva OpCo, LLC. They will be used for snow pack classification, avalanche forecasting and avalanche detection. The final intent is to mitigate the dangers involved in avalanche prediction and most snow sports. Niiva OpCo, LLC. will operate the radar and monitor the data. The research project is funded by a group known as TARP which pools research money from various state department of transportation avalanche forecasting programs in the mountain west for technologies that aid in avalanche forecasting. They are looking for better technology to monitor for avalanches.