Question 7: Purpose of Experiment
Weibel Xenta

The Weibel XENTA-D3 is a 3D X-band surveillance radar using advanced sensor and signal processing designed to detect low, slow and small objects such as drones to helicopters, general aircraft, fighters and missiles. The XENTA-D3 provides radar operators with range, height, bearing and target classification of targets at a distance of up to 75 kilometers. Smaller, commercially available drones such as a DJI Phantom-4 can be detected and tracked at up to 10 kilometers. The Weibel system is a non-developmental item that was funded entirely with company funding.

We plan to demonstrate it to Liteye Systems on their private test range outside Denver, CO. They have a contract under the Medusa Program with the United States Air Force for a Counter Drone Systems and their current 2D surveillance radar is inadequate for counter drone operations.

In addition, we have an agreement with Texas A&M Lone Star UAS Center of Excellence and Innovation. They are part of the FAA's UAS test program.

We will test the performance of the XENTA-D3 with small commercial drones. We expect the demonstrations to last a single day for a single potential customer. We plan on doing this at various times throughout the next two years.