**Outline**

* First, we will briefly update you on the steps we have been making towards constructing a new scanner for the envelope threat detection application.
* After that, we want to introduce a new concept we have been working with for improving resolution of radar imaging systems in both the 2-D and 3-D domains, showing our initial attempts and results in both simulations and with real data

**1-D Scanning 2-D Image Reconstruction**

* Although this may apply to the envelope application differently, we will approach the resolution improvement idea generally, as it is a significant and timely issue in many localization and detection applications.