**Instructions to run the Matlab GUI and record the output for future offline play:**

1. Open Matlab
2. Open file overhead\_demo\_visualizer.m
3. Set (line 5) liveRecording = true;
4. **Run the script**
   1. Specify the ports, and configuration file.
   2. Recommend to restart the system and reload the configuration for each test.
   3. Recommend to make sure boundary and static boxes are properly configured.
   4. The tool shall save the outputs (point cloud, target information) in a series of files fHistRT\_XXXX.mat. Each file contain 1000 frames of information. Recommend the file storage to be local.
   5. Hit the exit button once test vectors collection is done. Copy the collected files to a safe place. Collect another set of test vectors

**Instructions to run the Matlab GUI to play previously recorded files:**

1. Open Matlab
2. Open file overhead\_demo\_visualizer.m
3. Set (line 5) liveRecording = false;
4. Set (lines 30 and 31) the configuration file and location of the series of fHistRT\_XXXX.mat files.
5. **Run the script**