LAB Medium Range Radar – Release Notes

Overview

This lab demonstrates the use of mmWave technology and allows the user to estimate and track the position (in the azimuthal and elevation plane) and the velocity of objects in its field of view up to 150 m

Features

- Supports mmWave SDK 3.5.0.4
- Supports AWR1843BOOST EVM
- GUI uses MATLAB Runtime 9.2 (2017a)

New and Updated Features

- MRR Demo ported to SDK 3.5.0.4
- Added USRR 50m configuration
- Increased GUI output configurability

Resolved Incident Reports

Table 1 provides information on IR resolutions incorporated into this release.

Table 1 Resolved IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
n/a	n/a	n/a

Known Issues

Table 2 provides information on IRs that are known issues for this release.

Table 2 Known Issue IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
n/a	n/a	n/a

Work Arounds for Major Known Issues

Following are workarounds for each known issue with a major severity that exists in this release.

- n/a

Limitations

The following is a list of known limitations for this release that were known at the time of release.

- Matlab GUI may freeze when displaying a rich point cloud

Installation Instructions

- Refer to Getting Started Guide

Change Log

This section describes the changes from the MRR Lab version 1.0.0. The following changes were made in code:

Table 3 Table of changes

File	Change
src/ mrr_mss.projectspec src/mrr_dss.projectspec	Changed SDK version to SDK v3.5.0.4. Added project file entry for common/mrr_config_chirp_design_USRR50.h
src/mss_main.c	Changed CANFD_init(&mcanCfgParams, &errCode) to CANFD_init(0, &mcanCfgParams, &errCode)
src/dss_main.c	Added socHandle to adcBufParams
common/ mrr_config_chirp_design_USRR50.h	Added file for USRR 50m configuration