PROTOCOL for v09_LONG_RANGE_PEOPLE_DETECT_KEY_data Project

Based on CCS831_IWR6843_ISK_ES2_SDK3303_I401_3DPC v1 2019.11.25 1. basic

Abstract:

This document dedicated description for SRR (Short Range Radar) KEY Data Protocol based on mmWave Platform and UART baud as 912600/8/n/1

Description:

The Key Data Protocol structure definition as following,

<Structure> := h F FR OM OI X Y Z Vx Vy Vz Ax Ay Az S c t d (more detail see Appendix A1)

Appendix:

(A1) Protocol: total 49 bytes

//* PROTOCOL for KeyData syntax := h F FR OM OI T X Y Z Vx Vy Vz Ax Ay Az S c t d //* Item Abbr Name Location Length Type Description //* -----//* Notes: //* 1. PsudoCode for Flow Number := (FlowNum % 10) + '0'; for readable //* 2. PsudoCode for CheckSum := (xor(Location0..Location46) % 26) + 'a'; for readable //* 3. send out KEY Data via TX1, baud rate 921600/8/n/1 4. delimiter ',' or 0x2C for end of OBJECT 5. delimiter ';' or 0x3B for end of FRAME //*

//*

(A2) Example: logged KEY data from module via Tx1 Baud 921600/8/n/1 by TeraTerm tool v4.104 in real case

