Title:	Description of Operation		
RF – type designation:	**ST2-RX434UDA**		
Kind of equipment:	UHF Rx Only for TPMS and RKE		
Platform:	FI90RF		
Variant:	**B1**		
Classification:	Customer Confidential		
Author:	Chris Brumm	**Date:**	5October2021

Theory of Operation

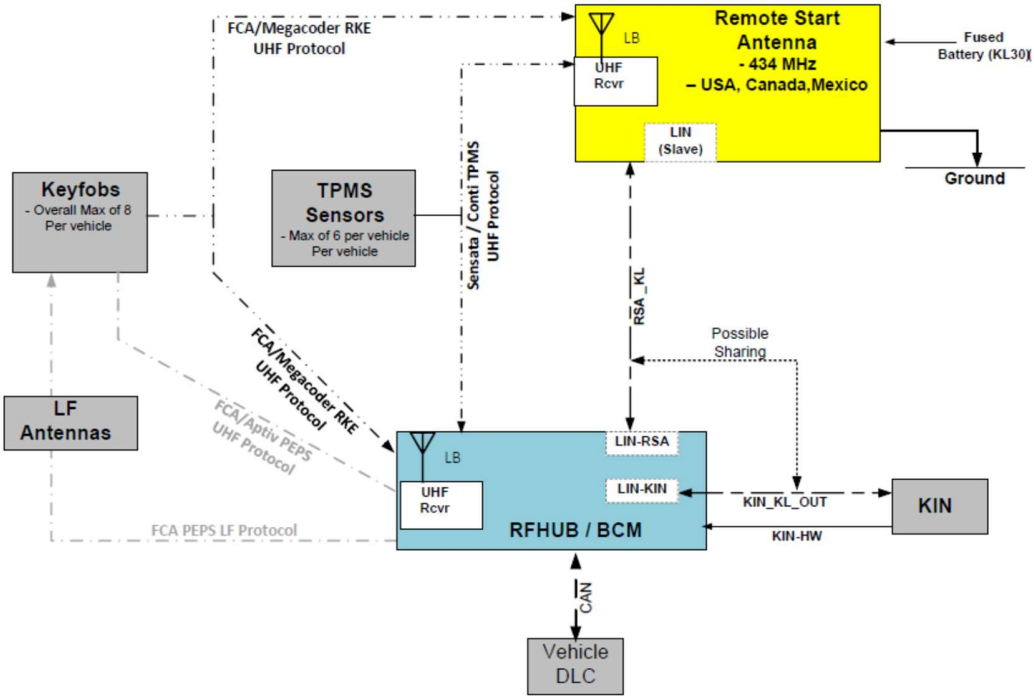
The Remote Start Antenna LIN Module (RSALM) captures UHF data from keyfobs and possibly the TPMS wheel sensors, utilizing an integrated antenna with UHF "Smart" Receiver, for transfer to the vehicle Body Control module via a private LIN2.0 serial interface for validation and processing

The RSALM is designed to operate with a 433.920 MHz Center frequency and supports reception with the transmitter frequency tolerance as follows:

- 429.580 MHz (Min)
- 438.260 MHz (Max)

System Overview

The RSALM is an optional system component that is packaged in a desirable location in the vehicle to achieve optimum UHF reception. The RSALM may be utilized when certain features are enabled in the vehicle that require expanded UHF range in order to meet vehicle performance requirements.



Component Overview

The following block diagram provides an overview of the RSALM component design: