

## Part Change Notice

**Date: Dec. 17, 2018**

**PCN. No: 1814016**

### Products:

STD-302S 429 MHz

### Description of change

- Obsolete components are changed.
  - RF SW change
  - TX/RX/TX-IF LNA change
  - Up/Down converter change
  - PLL change
- To improve performance, the circuit configuration has been changed.
  - VCO
  - SAW Filter FIL1 between CN1 RF and RF SW is now between LNA and RF SW.
  - Addition of VR to the RSSI output circuit.
- Change in the product specification.
  - RX consumption current. For TYP: 26 mA to 28 mA , MAX: 30 mA to 32 mA
- In order to identify the module with above changes, the product name will be changed.
  - Product name: STD-302S 429 MHz → STD-302Z 429 MHz

\* Comparison block diagrams are attached.

### Reason of change:

- STD-302S contains several obsolete components whose production discontinuation has been announced by part suppliers. In order to continue stable product supply, these components are changed to the latest components.
- To improve product performance, the following component configuration has been changed:
  - VCO : Local oscillator has smoother waveform
  - SAW Filter position: Minimize variance in RF output power within the operating band.

### Change schedule:

- Production of the STD-302Z 429 MHz will start from March 2019.
- Shipment schedule to be dealt on a case by case basis.

**NOTE: If we do not hear from you within 30 days, we will assume your full acceptance to this change and its implementation.**

