- FM25CL64-G   FRAM – Non-Volatile Storage
- 74HC595M   8-bit Serial Shift Register
- SN65HVD3082ED   RS-485 Transceiver
- 74HC32M   Quad, 2-Input OR Gate
- MICRF505BML   RF Transceiver
- LP2985IM5-2.5   2.5 volt Linear Regulator
- LP2985-18DBVR   1.8 volt Linear Regulator
- LP2985-30DBVR   3.0 volt Linear Regulator
- LMV710IDBVR   Op-Amp – High-Side Current Sense
- ADG701BRJZ   Analog Switch
- LM20BIM7   Temp Sensor

Hub Tune-Up Procedure

None

RF Exposure Information

Based upon OET Bulletin 65 Equation 3, the Power Density is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

- Human Safety Limit = 903MHz/1500 = 0.60
- P = 10mW
- G = 2
- S = 0.0026 @ 25cm (10 inches)
- S = 0.25 @ 2.54cm (1 inch)

Calculations were done at 903MHz which is the lower frequency in the band and provides the least safety limit.

This unit does not pose a human risk based upon the FCC approved limits.

Schematics

See Attachments

Users Manual

- See Installation Manual
- See Operation Manual