A. Antenna Feed
B. Antenna
C. LNA / LNB
D. IFL Coax
E. In-Line Power Amp

F1. Sat. Receiver
G1. ADC

F2. Sat Receiver S/W
G2. SDR

H. PC/Wksta

J. End User Software

Configuration ID: 180916-2228   **Version**:
Submitted by: **Date**: 16 SEP 2018

A. Antenna Feed: Mfg – TP-Link **Model –** TL-ANT2424B P/N –	**F1. Satellite Receiver:** Mfg – Model – P/N –
B. Antenna: Mfg – TP-Link **Model –** TL-ANT2424B P/N –	**F2. Satellite Receiver Software:** Mfg – Name – Release –
C. LNA / LNB: Mfg – Nooelec Model – SawBIRD+ GOES P/N – 100791	**G1. SDR Analog/Digital Converter:** Mfg – Nooelec Model – NESDR SmarTEE Bias P/N – 100777
D. IFL Coax Cable: Mfg – None Item No – Length –	**G2. Software Defined Radio Software:** Mfg – Name – GOESTOOLS Release – latest github
E. In-Line Power Amp: Mfg – HiLetgo Model – Wideband LNA P/N – 4330353723	**H. PC/Workstation** Mfg – Raspberry Pi Model – 3 B+ P/N – O/S Mfg – Raspbian O/S Name – O/S Release – latest
J. End User Software & Other Configuration Notes and References: Everything resides in a NEMA box just under the antenna. 12V cable runs to the box, pi connects to network via wifi. Feed horn reflector is bent slightly flatter than factory for better reception. It is also moved out about 1" (2.5cm) from where it would normally screw to the end of the feed. I used a 1.5" length ||

of ¾" pvc placed over the reflector mount on the feed horn to give the extra 1" lift.

Link to online documentation: (will be included when received)