The 2017-14 UHF, L-band Up/Downconverter converts 0.2-0.4 GHz to 1.2-1.4 GHz (Up) and 1.2-1.4 GHz to 0.2-0.4 GHz (Down). Multi-function switches select the gain (0 to +30 dB range for the upconverter and downconverter), and other parameters. Front panel LEDs provide indication of DC power (green), PLL alarm (red), remote operation (yellow), and Upconverter mute (yellow). Remote operation allows selection of gain and external 10 MHz Reference (OPTION E1). Gain settings appear on the LCD display. Standard connectors are BNC female, 75Ω for UHF and the optional external reference input and output (OPTION E1), and Type F female for L-band. A high stability (±0.01 ppm OPTION H) option is also available. It is powered by a 100-240 ±10% VAC power supply and housed in a 1.75" X 19" X 16" 1RU chassis.