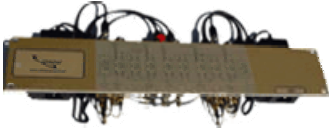


...Using 10 MHz from one of the Modems...



... and High Power Mux/Tee to Insert BUC Power
(or How to Add a Modem)

In this example, the 10 MHz signal is extracted from a single modem by an Orbital Mux Tee in reverse, the L-Band signals are passed through, while the DC from the modem is blocked. When the L-Band signals from the two modems is combined, the 10 MHz reference is routed around the combiner and muxed into the combined L-Band signal with an Orbital Hi Power Mux Tee. The Hi Power Tee also filters the DC power to drive the new high power BUC. The Hi Power Tee also filters the DC power to drive the new high power BUC.

Orbital modular designs permit easy access to each signal port for diagnostics, testing, and system maintenance. Modularity also permits easy re-configuration, expansion, and replacement at low incremental cost - the benefits of custom design, the low cost of mass production.

Remember that Orbital Combiners solve the problem of External Reference signals.

Orbital 2-way Combiner using 10 MHz from one of the modems and Hi Power Mux/Tee to insert BUC power

