



VHF Apollo synthesizer

The VHF Apollo LO is a derivative of our A32 microwave synthesizer. This VHF version specifically caters to LO and weak signal source frequencies between 70 and 450 MHz. Depending on programming this board can be used as a standalone local oscillator, a base oscillator in a multiplier circuit or a weak signal source on all bands between 4M and 23cm.

The following list contains the main instruction and installation guide plus design notes specifically prepared for our many versions of VHF/UHF transverters and weak signal sources. The links below will be model number specific.

VHF Apollo Background, Theory of Operation and Test Instructions manual
http://01895fa.netsolhost.com/PDF/Manuals/VHFApollo_Operation.PDF

DN027 - To be used for 144-28, 222-28, K, CK and HP version transverters
<http://01895fa.netsolhost.com/PDF/DN027.PDF>

DN028 - To be used for 432-28, K, CK and HP version transverters
<http://01895fa.netsolhost.com/PDF/DN028.PDF>

DN029 – To be used for L144-28, L222-28 and L432-28 K, CK and HP version transverters
<http://01895fa.netsolhost.com/PDF/DN029.PDF>

DN030 – Understanding the frequency capabilities of VHF Apollo with DEMI transverters
<http://01895fa.netsolhost.com/PDF/DN030.PDF>

DN031 – Utilizing the VHF Apollo as a Weak Signal Source (WSS)
<http://01895fa.netsolhost.com/PDF/DN031.PDF>

DN034 – Positive LOC modification for Apollo synthesizer boards.
<http://01895fa.netsolhost.com/PDF/DN034.PDF>

DN032 – Installing the VHF Apollo in the “L” series 144-28INT Transverter
<http://01895fa.netsolhost.com/PDF/DN032.PDF>

DN0XX – To be used for 144-28INT, ECK, FRS
Under development

DN0XX - To be used for the DEM432 and 432K (original KK7B version 3 board design)
Document in Process

We will be adding to this list as we find version specific uses or other applications for the VHF Apollo board