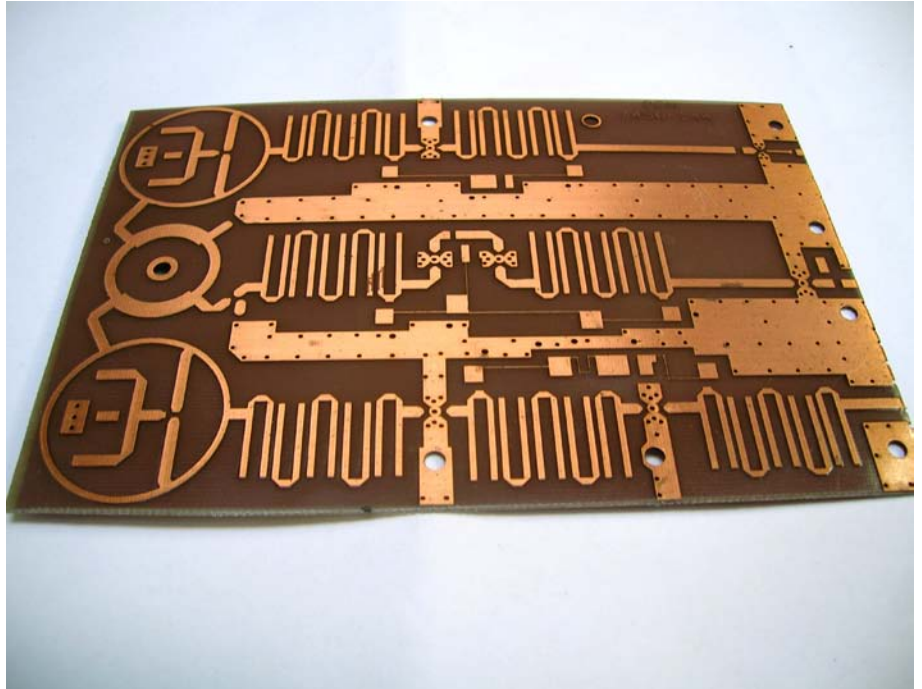


DEMI 3456 Transverters:

We are beginning to understand the future of amateur radio service in the 9 cm band. Many are asking if their transverters can be "re-frequenced or modified" for use at 3400 MHz. We have completed a Design Note explaining the issues (DN038) and will provide a future Design Note with "upgrade information" for certain 3456 transverters (DN039).



As most of you know, we have been waiting for some hard information describing our future band plan on 9 cm and if we are to maintain the use of the band at all. This has in turn held up our development of our multiband transverter designs. The designs have been on hold with the decision of including the 13 cm (2304) within the VHF/UHF transverter design and then start the microwave design transverter at 5760 MHz and up. With 9cm appearing to be back in the mix, we will continue with our original plans of two designs, 144 through 1296 and the 2nd design of 2304 through 10 GHz with the possibility of adding 24GHz.

For now we are soon to release a new single band 9 cm low power (20 mW) transverter with synthesized frequency stability to operate on 3400 MHz. This transverter may be coupled to any of the solid state power amplifiers available on the surplus market requiring a low drive level and may utilize any LNA for additional receiver performance. Then, if in the future we are to lose the 9 cm band altogether, the transverter band pass filter may be replaced with one of lower frequency band pass filters (144 through 2400 MHz). This coupled with a simple change of frequency of the DigiLO synthesizer, will allow you to repurpose the transverter for use on a different band. So for those that may have a casual interest in 9 cm; but wish to protect their investment against the loss of the entire 9cm, we have a product for you.

We will be publishing further details on the Multiband and single band transverters soon. For now, those of you with existing 3456 MHz transverters, please review Design Note 38 (DN038).