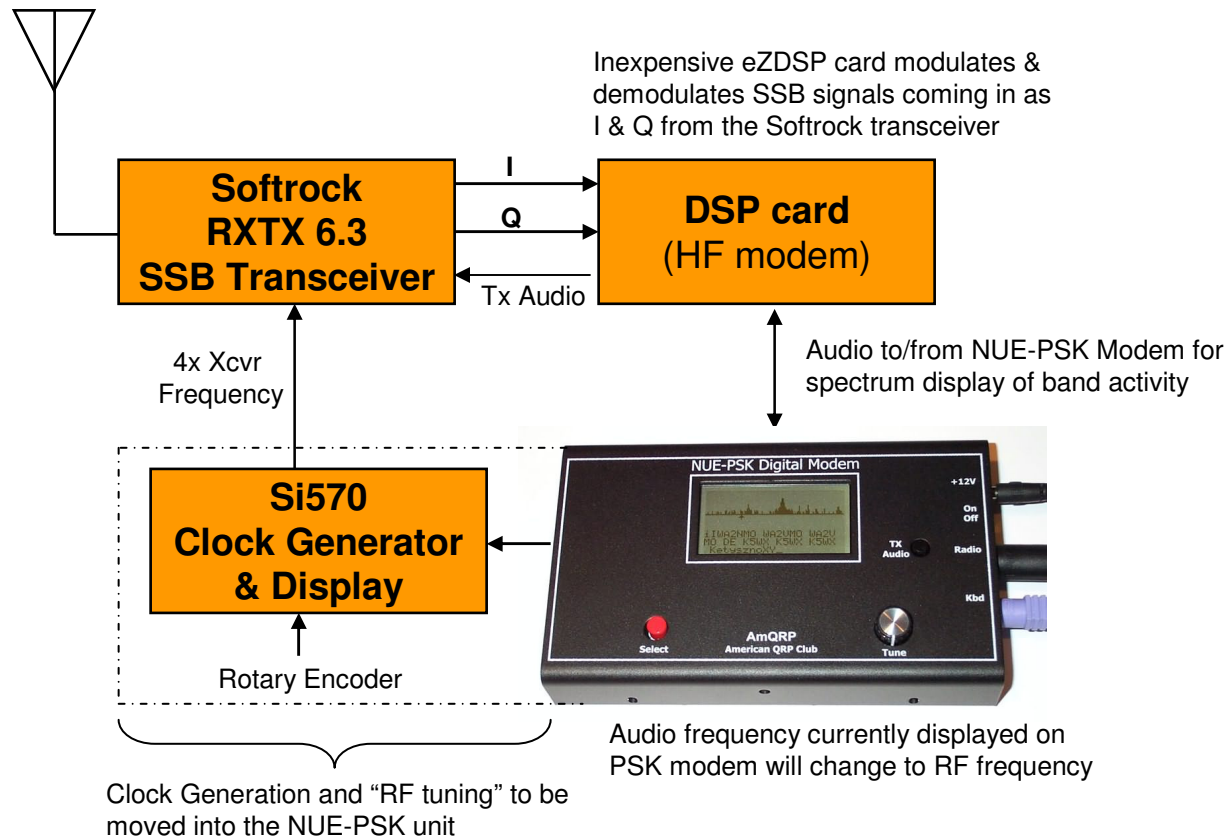


NUE-SDR

Overview

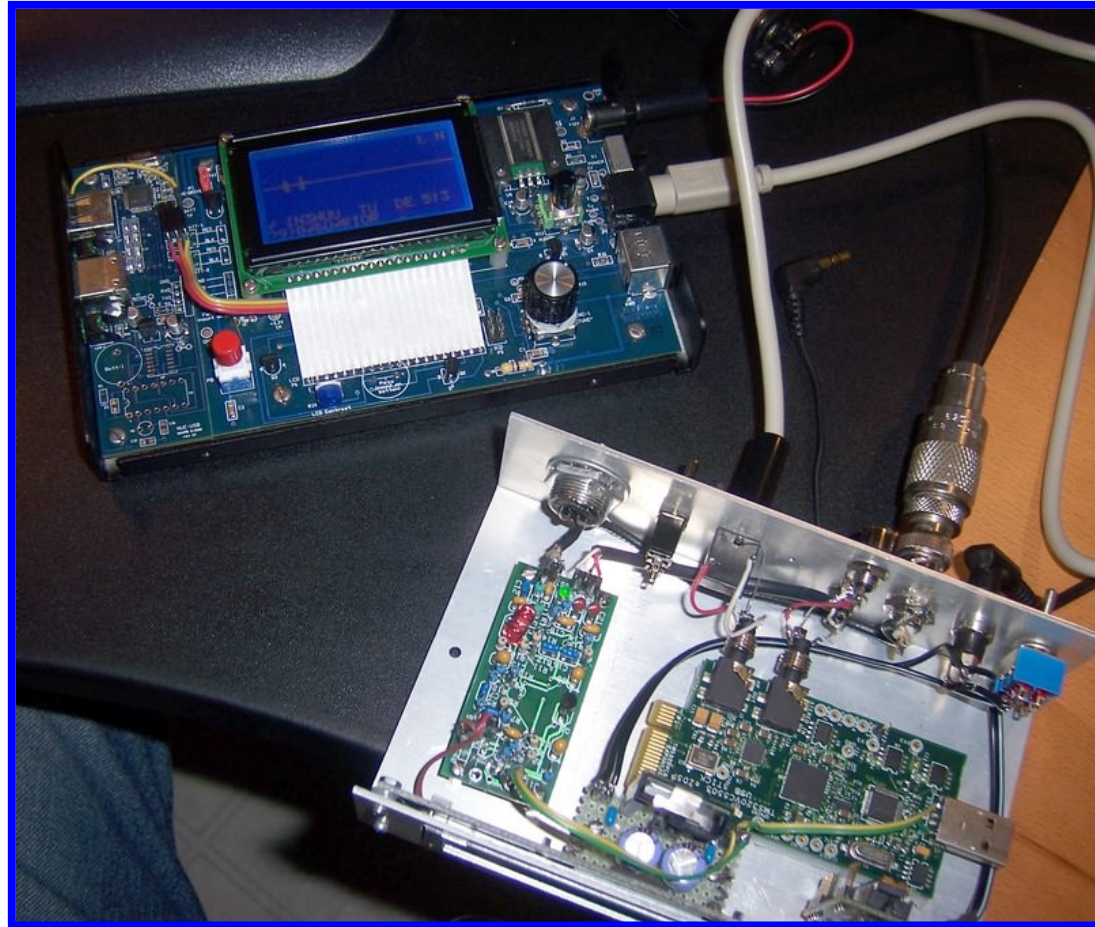
- The NUE-SDR is a standalone transceiver consisting of a DSP control board coupled with a the RXTX v6.3 Softrock, both contained in a separate cabinet the same size as the PSK modem.
- Designed to attach beneath the PSK modem box, and connect to the PSK modem by a short signal cable, the NUE-SDR serves as a QRP transceiver for use with all existing NUE-PSK digital modems. So now, in addition to no PC being needed for PSK use, there isn't even a need for a separate transceiver!
- This integrated package uses the NUE-PSK modem's graphic LCD spectrum, dial and pushbutton to control the HF transceiver in the lower box to transmit and receive the PSK signals modulated/demodulated in the upper box.
- The NUE-SDR is in still only in prototype form, but we are hoping to have product for sale this year with a target prices of \$199 for the assembled & tested add-on, and \$99 as a kit. (Prices are preliminary and subject to change.)

NUE-SDR Block Diagram



NUE-SDR

Pre-Prototype Hardware



NUE-PSK Digital Modem (upper left)

Spectrum display of SDR output
displays band activity

Prototype Clocking, Tuning and HF Modem (lower right)

SoftRock (left), eZDSP starter kit running NUE-SDR v0.5 software
and Si570 Controller & Frequency Generator on front panel

NUE-SDR

Pre-Prototype Station



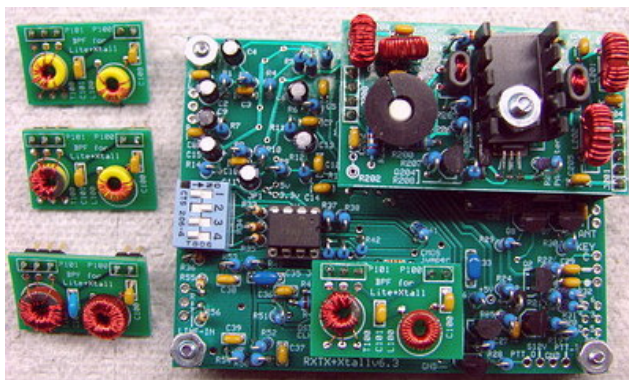
Clockwise ...
Yaesu's FT-817 QRP transceiver
NUE-PSK Digital Modem (for spectrum display)
NUE-SDR Prototype Controller
Antenna Controller & Key

Rear view of station
showing cable interconnects

NUE-SDR Prototype System



Optional add-on
NUE-SDR transceiver



Softrock RXTX 6.3



eZDSP USB Stick