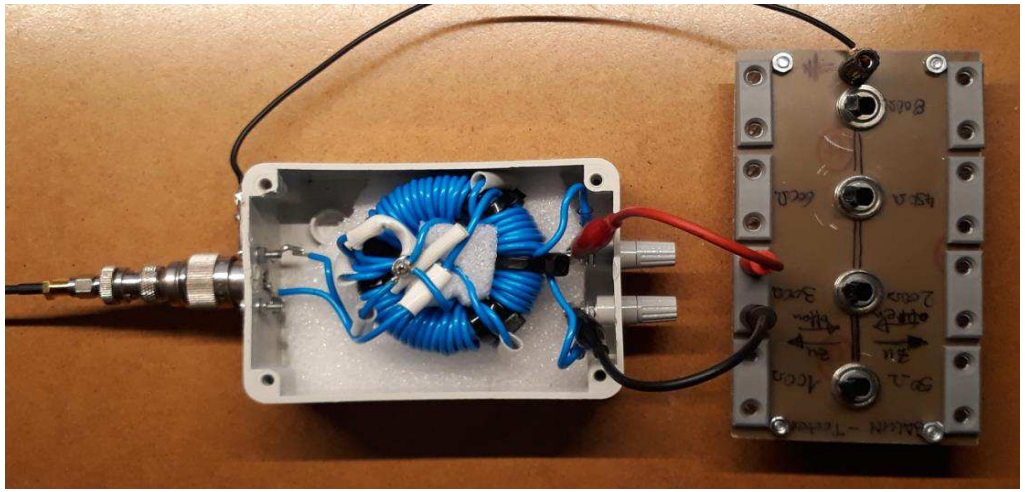
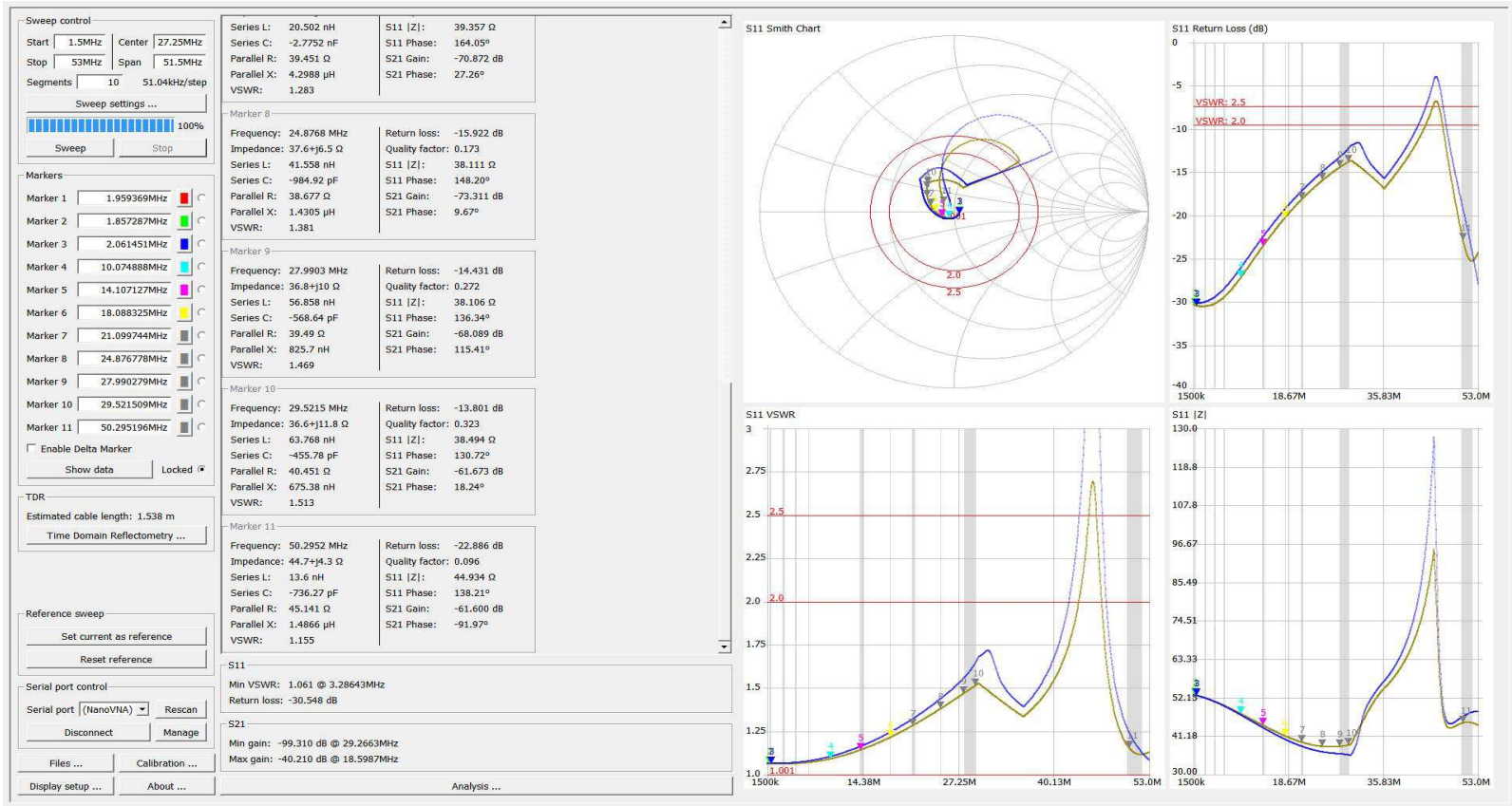
1:6 Balun

nach VK5ZVS

Bei Teflonkabel versilbert ändern sich ein wenig die Wickeldaten. Ich sollte da noch nachbearbeiten! Im Bild rechts die alte Prüfeinrichtung.

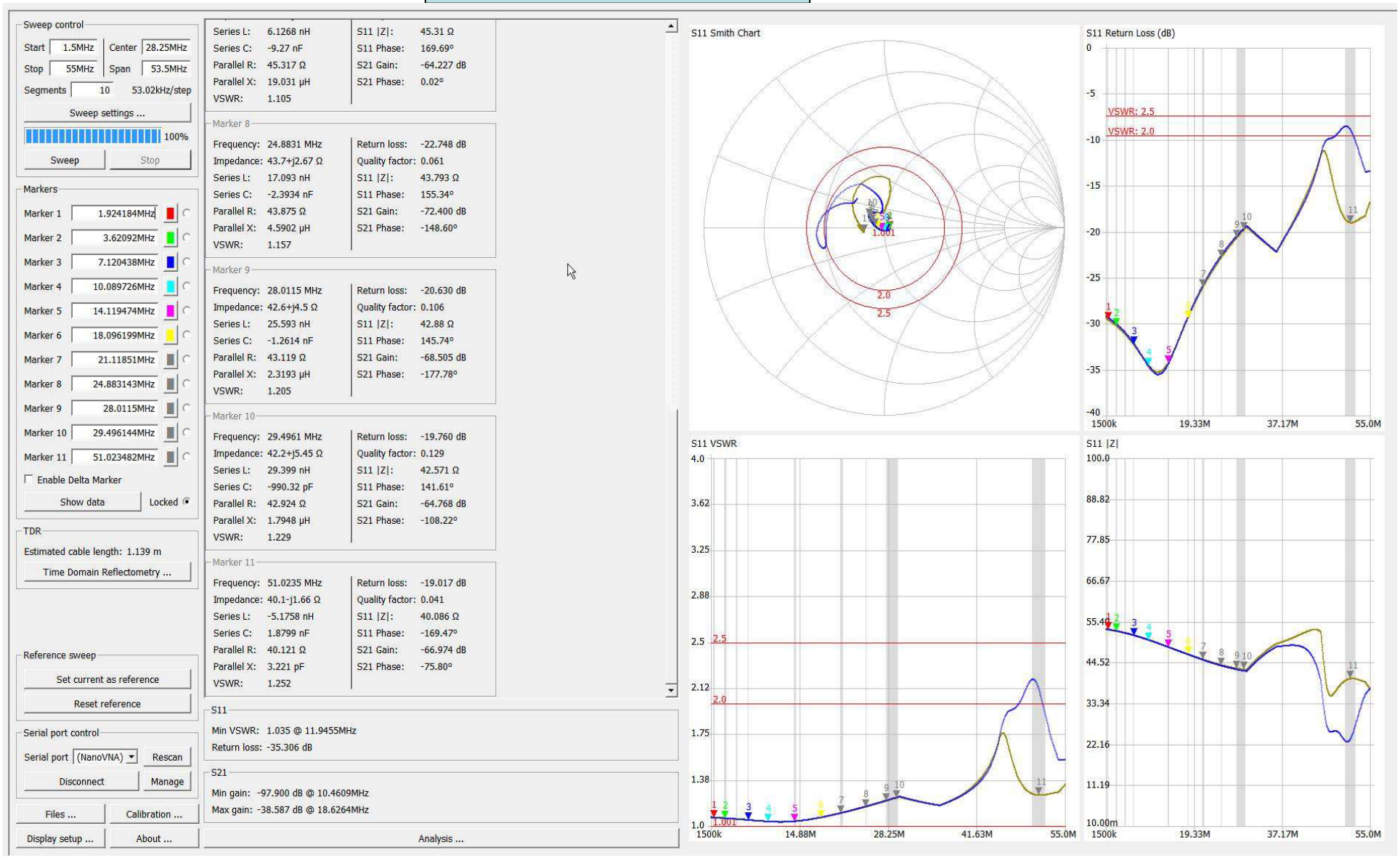




1:6 Balun

nach VK5ZVS

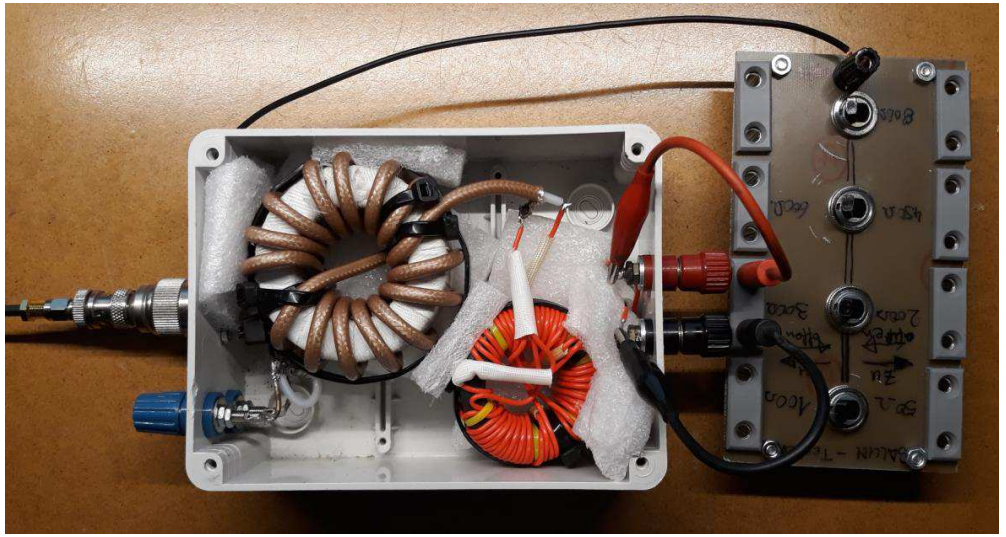
Messung nach DL4ZAO

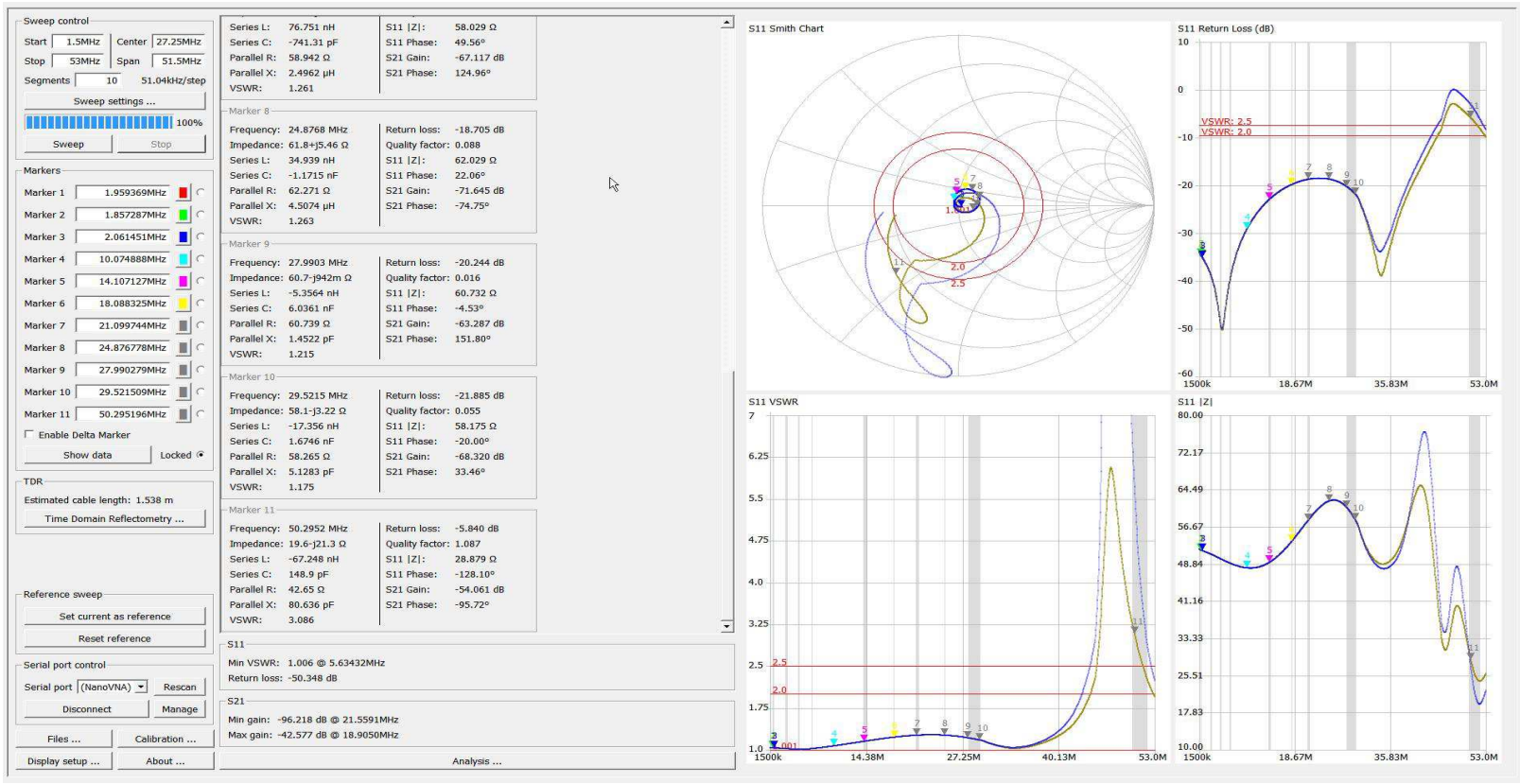


1:6 Balun

nach VK5ZVS mit MWS nach W1JR

Nicht 50 MHz geeignet. In KW (100W) gut zu gebrauchen (AWG 18). Für bessere Ergebnisse, Versuche auch mit anderen Ringkernen und Wicklungen.

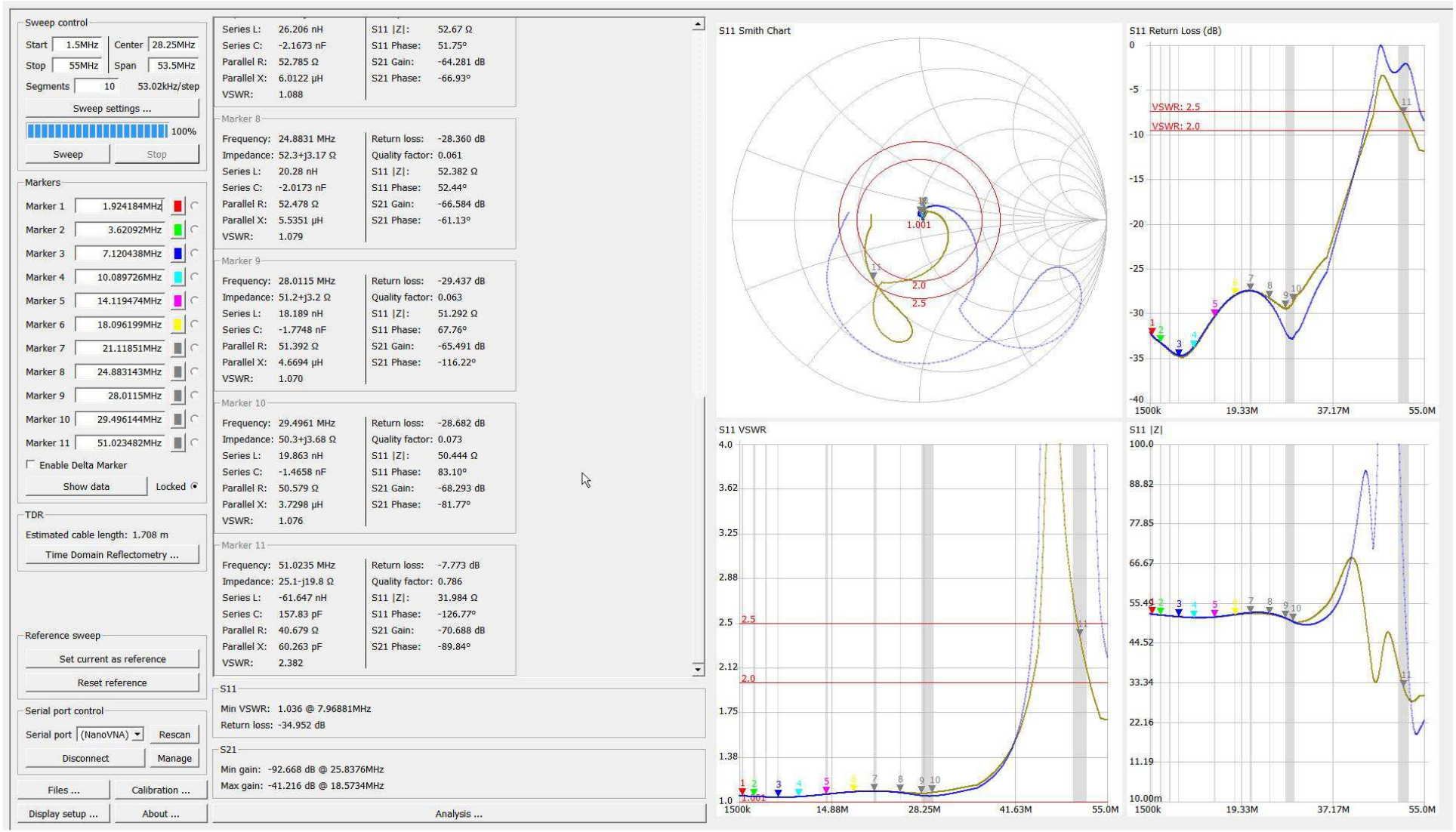




1:6 Balun

nach VK5ZVS mit MWS nach W1JR

Messung nach DL4ZAO, blau offen, braun zu. 300Ohm direkt in Buchse.



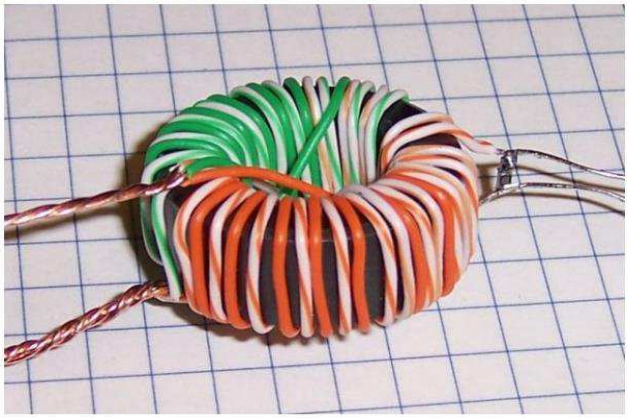
1:6 Balun

Zwei Methoden einen 1:6 Balun herzustellen

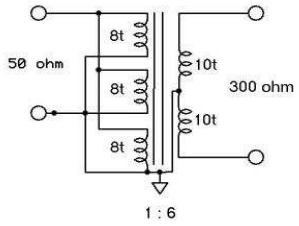
6 to 1 balun.

The completed balun core - wired.

This balun was made with single ferrite core, (Jaycar L0-1234) wired using single strand Cat 5 UTP wire. The winding ratio is 6 turns to 20 turns. 50 ohm primary is 3 x 8 turns, wired in parallel. The 300 ohm secondary is formed by winding 2 x 10 turns in series, (grounding the centre tap) giving 20 turns overall. This gives a truer balanced to unbalanced impedance transformer. The picture here shows the balun core ready for testing. The two single wires are the 300 ohm secondary. The others are the 50 ohm primary with the larger one being the common ground.



The schematic



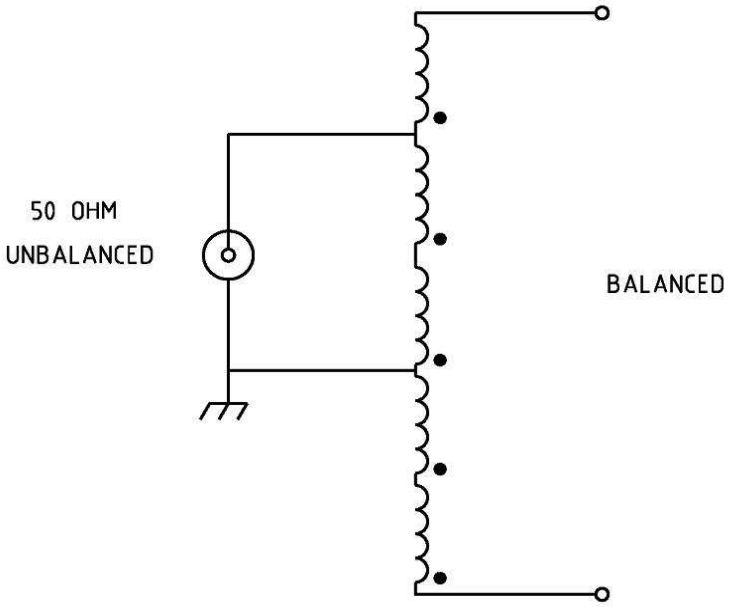


Figure 1 Schematic of the 1:6 Voltage balun