

**Date**

15-Sep-2012

**Technician**

Dave Typinski, AJ4CO

**Test Equipment**

Array Solutions VNA-2180 vector network analyzer, S/N 5249  
Acer Aspire 5570Z laptop computer  
VNA software version 530D

**Device Under Test**

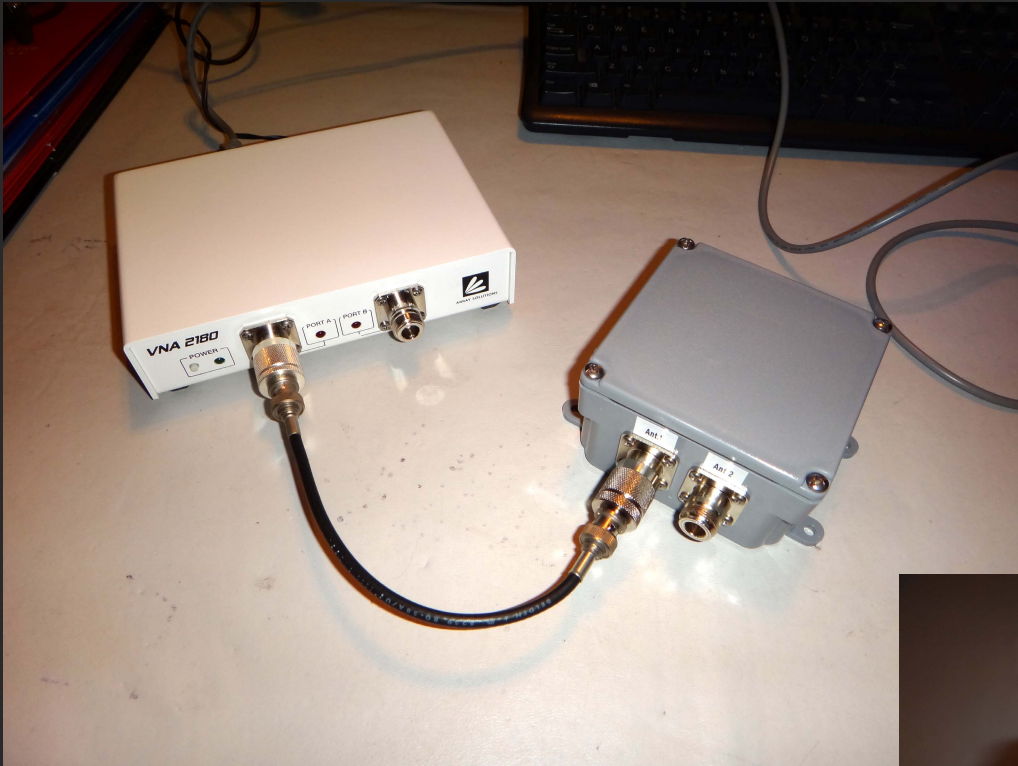
Hilltop Systems 16:1 double balun, custom order  
Four 1.6 k $\Omega$  resistors in two parallel sets across antenna terminals (measured at 798  $\Omega$  for Ant 1, 806  $\Omega$  for Ant 2)

**Test Results Directory**

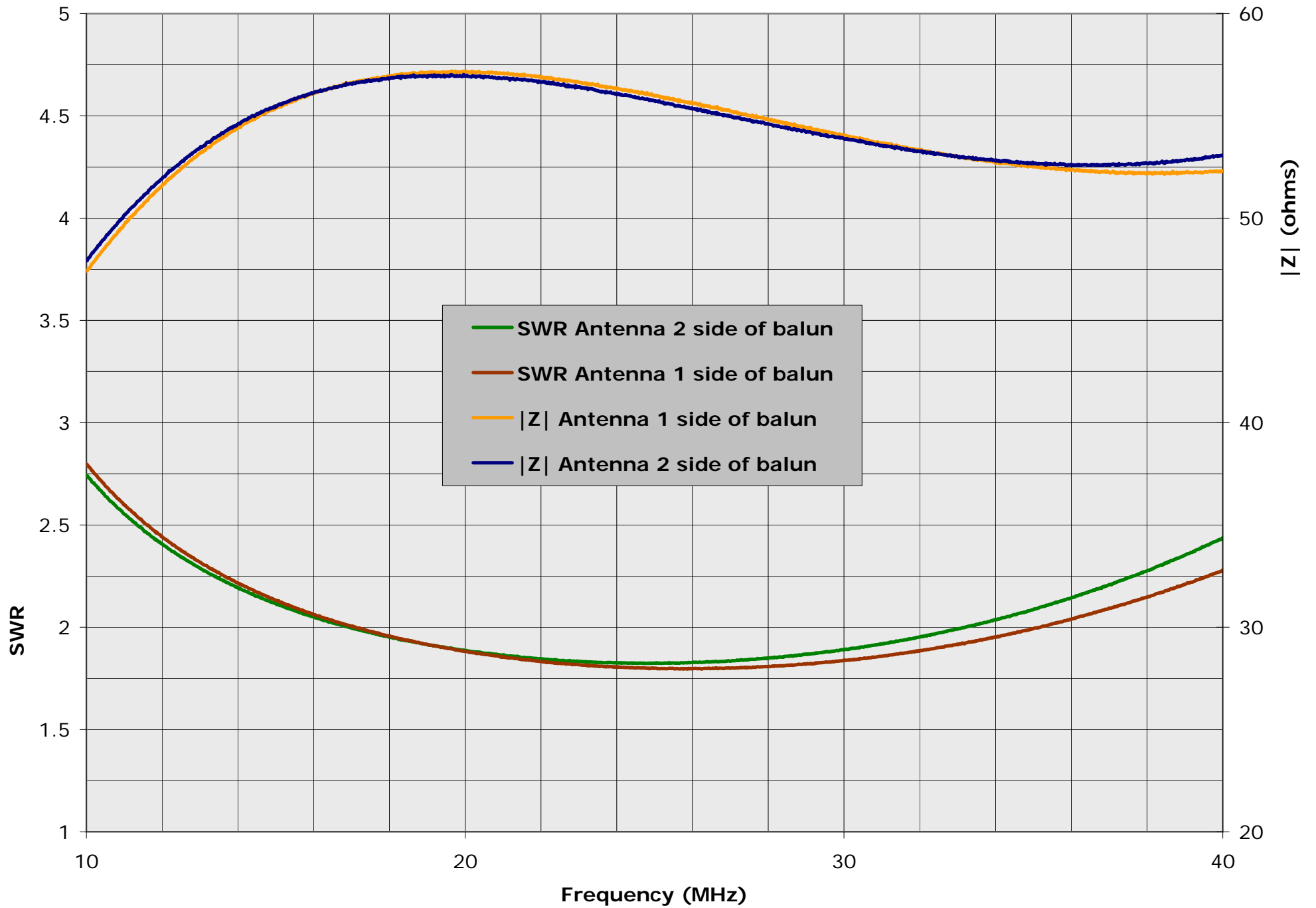
Test No.	Date	Calibration File	Data File	Calibration Plane	Notes
1	9/15/12	Cal 28.acal	Post cal sweep.csv	End of 8" RG-58	Calibration sweep
2	"	"	Ant 1.csv †	"	
3	"	"	Ant 2.csv †	"	
4	"	"	S21 Ant 1 to Ant 2 port isolation_B.csv †	"	Port isolation test

† Indicates data plotted on following pages

# Test Setup



# Hilltop Systems 16:1 Balun – SWR and |Z|



# Hilltop Systems 16:1 Balun – $S_{21}$ Ant 1 to Ant 2 (Port Isolation Test)

