



R108

R28

R109

R72

R53

R73

R67

R56

50Ω Load
Impedance Mode
Set Needle on Impedance to 50

SWR

Z

Needed Test Resistive-only Loads:

Short, 12.5Ω, 50Ω, 75Ω, 100Ω and 200Ω

Initial Readings NOTE: supplied by 12Vdc WELL filtered

Readings will be in hexadecimal format

Test Load	Rxx	Sxx	Zxx
Open			
Short			
12.5Ω			
50Ω			
75Ω,			
100Ω			
200Ω			

UHF Mode(430MHz:

Load:100Ω Adjust: R56 Set SWR Meter Needle over 2

HF Mode(10.000 MHz)

Load:OPEN Adjust R72 to Vz=FFx

Load: SHORT Adjust R73 to Vs=FFx

Load: 12.5Ω Adjust R109:Vz=333h and Adjust R53:Vr=999h

Load 200Ω Adjust R108:Vs=333h and R72:Vz=CCCh

Load 75Ω Adjust R28:Vr:Vr=333h

Load: 12.5Ω REAJUST R109:Vz=333h and R73:Vs=CCCh AND REAJUST R53:Vr=999h

Load 200Ω REAJUST R108:Vs=333h and VERIFY R72:Vz=CCCh

Load 75Ω Adjust R28:Vr:Vr=333h

REPEAT if needed

Load 50Ω Adjust R67 to put the impedance meter needle over 50Ω

Load 50Ω Switch to UHF 430MHz VERIFY swr=1.0 and zero on impedance meter



T1-V forward-amplified

T18 Ext Voltage

David
68 High
Apartment
Auburn

FRONT PANEL UNIT
SERIAL NO. 04710-0002