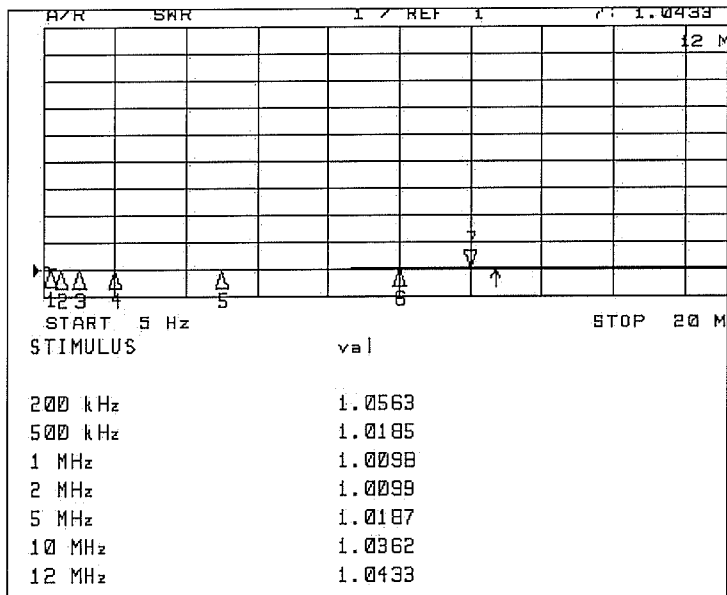
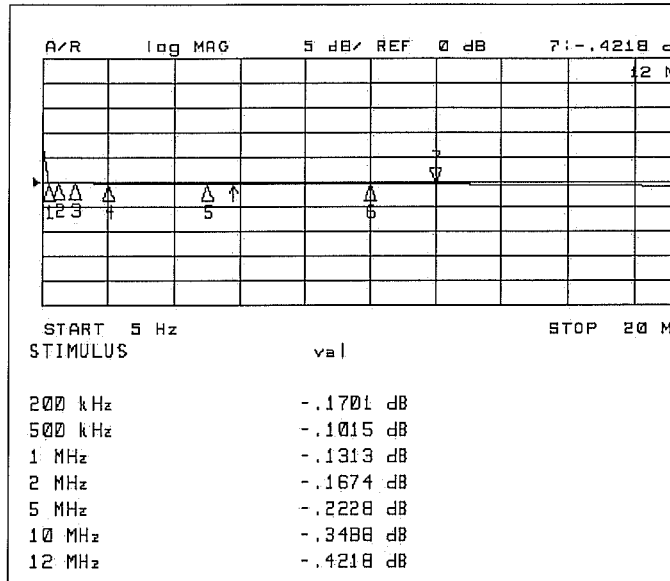


REF/FWD MEASURING 50 OHM REFERENCE LOAD

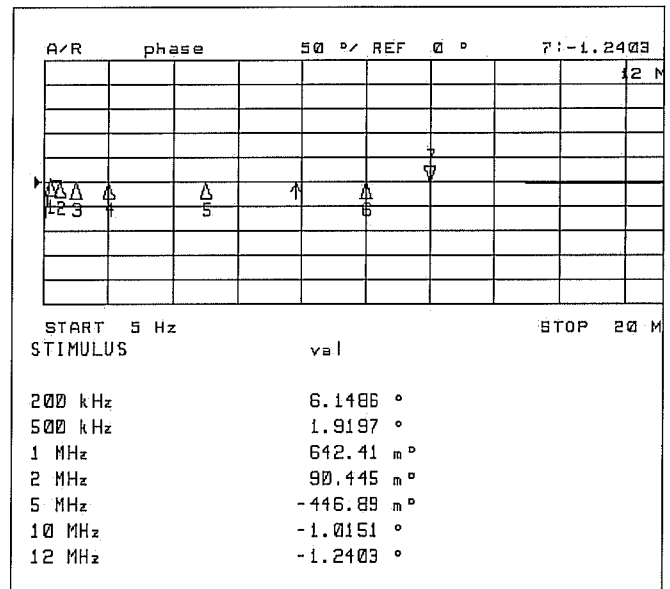


INSERTION VSWR WITH 50 OHM REFERENCE LOAD

**TUNWALL RADIO 0.2 – 12 MHZ DUAL DIRECTIONAL COUPLER
MEASURED WITH H-P 8751A NETWORK ANALYZER**

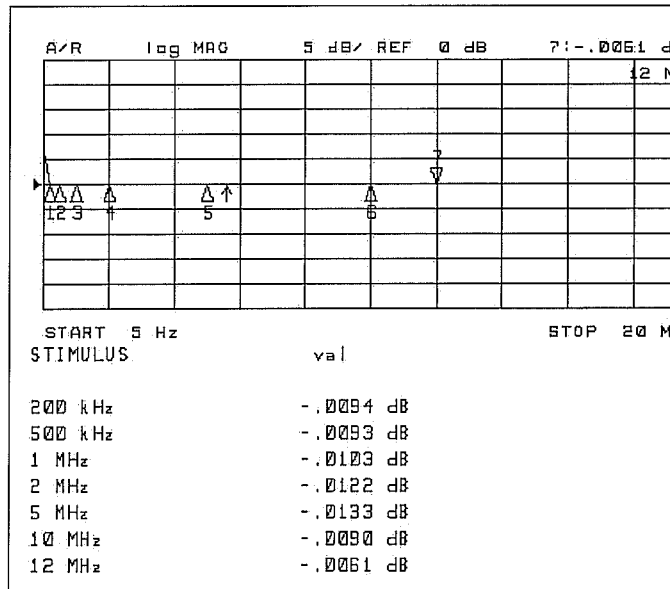


REF/FWD MEASURING OPEN CIRCUIT

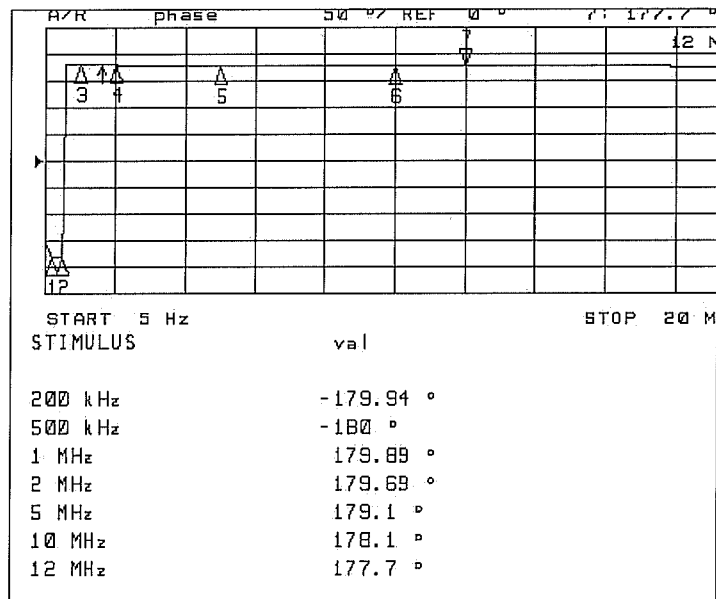


REF - FWD PHASE MEASURING OPEN CIRCUIT

**TUNWALL RADIO 0.2 – 12 MHZ DUAL DIRECTIONAL COUPLER
MEASURED WITH H-P 8751A NETWORK ANALYZER**

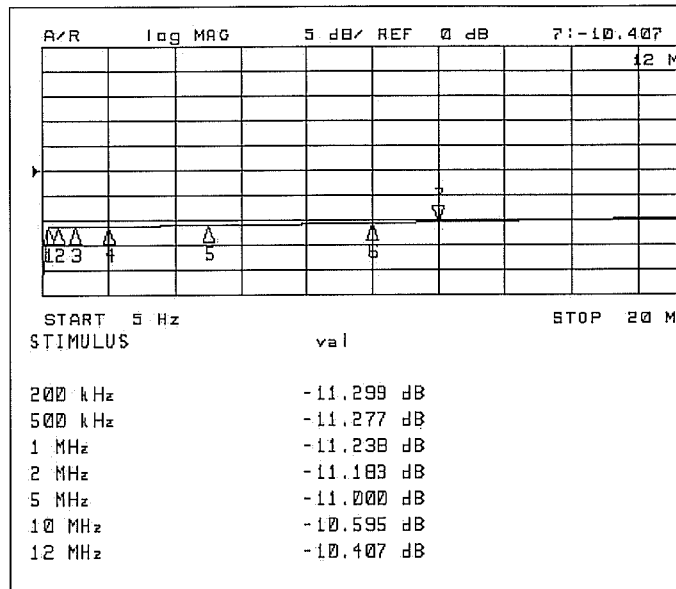


REF/FWD MEASURING SHORT CIRCUIT

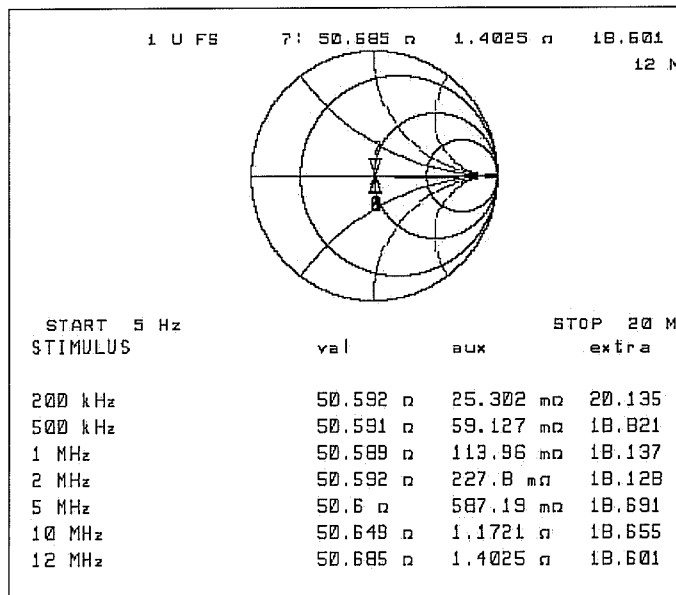


REF - FWD PHASE MEASURING SHORT CIRCUIT

**TUNWALL RADIO 0.2 – 12 MHZ DUAL DIRECTIONAL COUPLER
MEASURED WITH H-P 8751A NETWORK ANALYZER**



ATTENUATION WITH 50 OHM LOAD



INPUT IMPEDANCE WITH 50 OHM LOAD

**TUNWALL RADIO 12 DB RF ATTENUATOR
MEASURED WITH H-P 8751A NETWORK ANALYZER**