

- e. Set the oscilloscope Vertical Gain Controls to the maximum gain position (Set the oscilloscope on the Hi Sensitivity position).
- f. Turn the R.F. output control up until a pattern of the desired amplitude is obtained (Use the smallest amount of signal necessary from the TVG-2 to prevent overloading the circuit under test). A properly operating set will have a response as shown in Figure 4.
- g. If desired the zero beat can be shifted to the "Left" or "Right" of the waveform by adjusting the Sweep Generator Tuning Dial.
- h. If desired the waveform can be reversed from "Left to Right" or "Right to Left" to compare with a standard photograph or drawing by throwing the Sweep Generator SWEEP Switch to the "ON" or "REVERSE" position.
- i. If a single pattern with a base line is desired throw the BLANKING-DOUBLE PATTERN Switch to the blanking position.
- j. If the response of the "I" channel is not correct changing of the circuit components by a systematic "Trial & Error" procedure is the only solution. This problem, however, will seldom occur in actual practice.
- k. Turn the R.F. OUTPUT Control to the minimum position.
- l. Disconnect the R.F. OUTPUT cable from Point 9 and reconnect the cable to the grid (Point 6 of Figure 7) of the "Q" demodulator.
- m. Disconnect the diode probe from point 10 and reconnect the probe to the cathode (Point 11 of Figure 7) of the "Q" Phase "Splitter".
- n. Set the Oscilloscope Vertical Gain Control to the maximum gain position (Set the oscilloscope on the Hi Sensitivity position).
- o. Turn the R.F. output control up until a pattern of the desired amplitude is obtained (Use the smallest amount of signal necessary from the TVG-2 to prevent overloading the circuit under test). A properly operating set will have a response as shown in Figure 5.
- p. Repeat steps g, h, and i.
- q. If the response of the "Q" Channel is not correct, changing the circuit components by a systematic "Trial & Error" procedure is the only solution. This problem as with the "I" channel will seldom occur in actual practice.
- r. Disconnect all gear from the set under test. Turn the TVG-2 PWR Switch to the "OFF" position.