BALANCED MODULATOR AND ATTENUATORS TRIM PROCEDURE

The following procedure is recommended if the test instruments are available.

1. Oscilloscope with direct doupled (DC) vertical input.
2. 10 volt DC voltage source. (The output from an envelope generator with sustain at maximum may be used for this.)
3. An oscillator with two waveforms.

Trim as follows: Turn all trim pots to center position before proceeding.

1. Turn the Y input attenuator to 0 and apply a 10 volt sawtooth to the X input. X input at 10.
2. Adjust R 10 for minimum signal on the output. (Oscilloscope gain may be increased for more precise trimming.)
3. Turn X input attenuator to 0 and apply a 10 volt sawtooth to the Y input. Y input at 10.
4. Adjust R 11 for minimum signal at the output.
5. Turn both input attenuators to 0. Adjust R 21 for 0 volts at the output.
6. Apply a 10 volt DC voltage to the inputs of X and Y. pots on 10.
7. Adjust R 8 for 10 volts at the output.

Your Balanced Modulator, Attenuators Modlue is ready to use.