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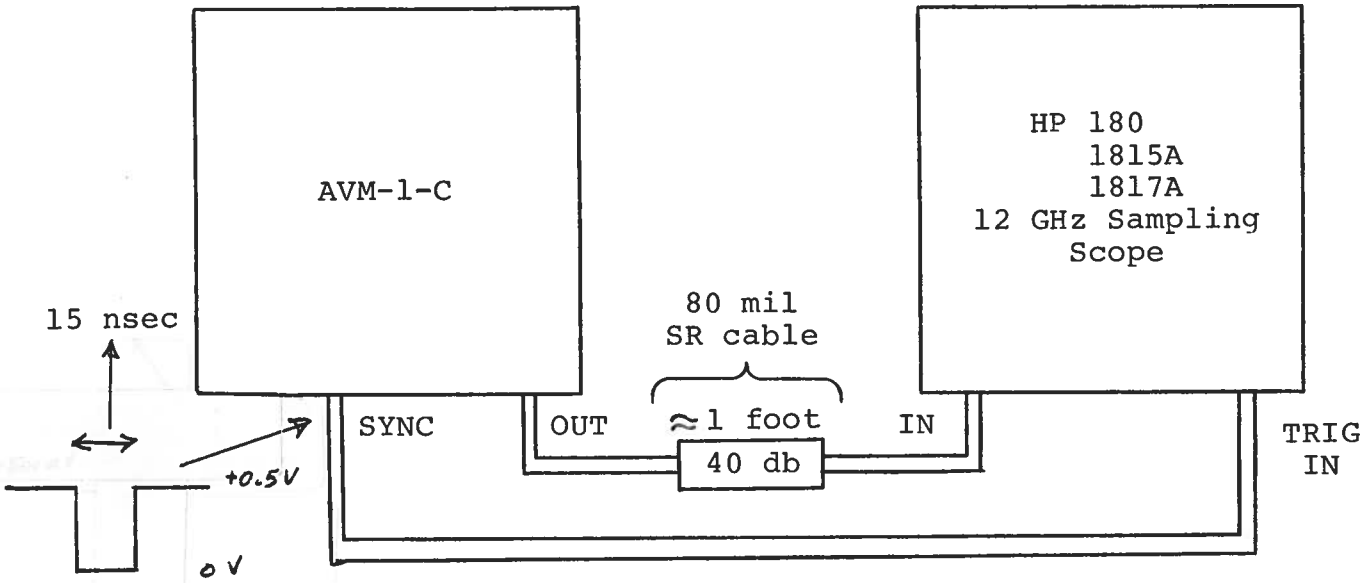
AVM-1-C. S.N. 2760 MOD

MAR 86 TRIGGER TEST



RG58 ≈ 2 foot

1) Set up as shown above.

2) AVM-1-C PRF range switch in RANGE 4 and PRF set max CW (≈5 MHz). Set AMP and PW at about 12 o'clock. Set DELAY at 12 o'clock.

3) Set scope to trigger on neg slope and set time base to 10 nsec/div.

4) Apply power. Adjust trigger level and trigger hold off to get stable display on scope. (These two adjustments can be critical). May be necessary to make minor adjustment to DELAY on AVM-1-C.

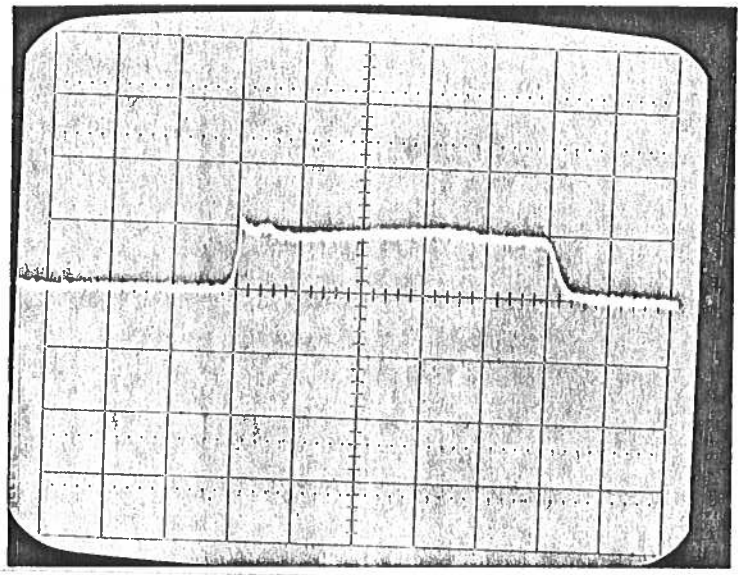
5) Switch time base on scope to 1.0 nsec and 100 psec per div. To center on scope, may be necessary to adjust DELAY on AVM-1-C and DELAY on scope and also to adjust trigger hold off and trigger delay (see Photos A, B).

6) Return to 10 nsec/div. and set PRF range switch to position 5 (approx. 12 MHz). Minor adjustment of DELAY and trigger hold off and trigger level should yield stable display.

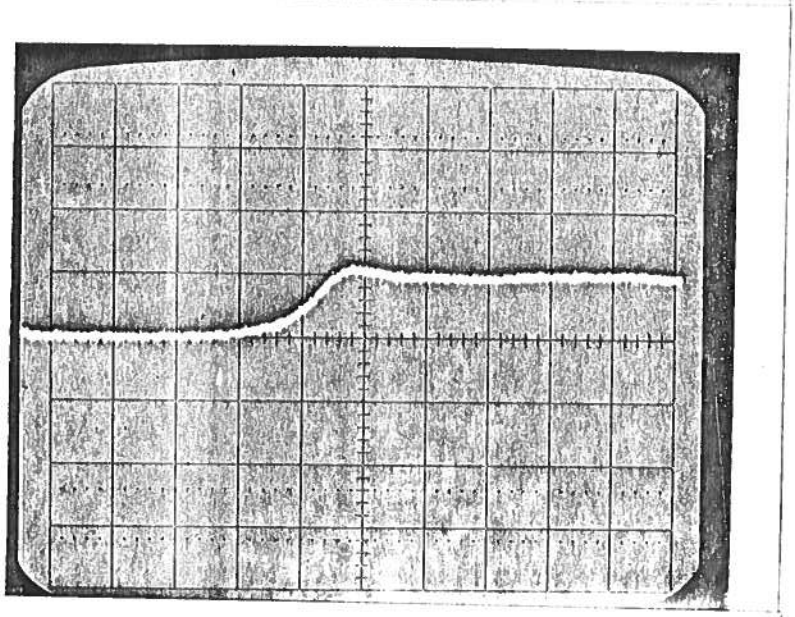
7) Set PRF range switch to position 6 and PRF at about 2 to 3 o'clock (20 MHz). Set DELAY to max CCW. Minor adjustment to trigger hold off and trigger level should yield stable display (see Photo C).

8) Note that scope trigger settings (hold off and level) are critical to obtaining a stable jitter-free display.

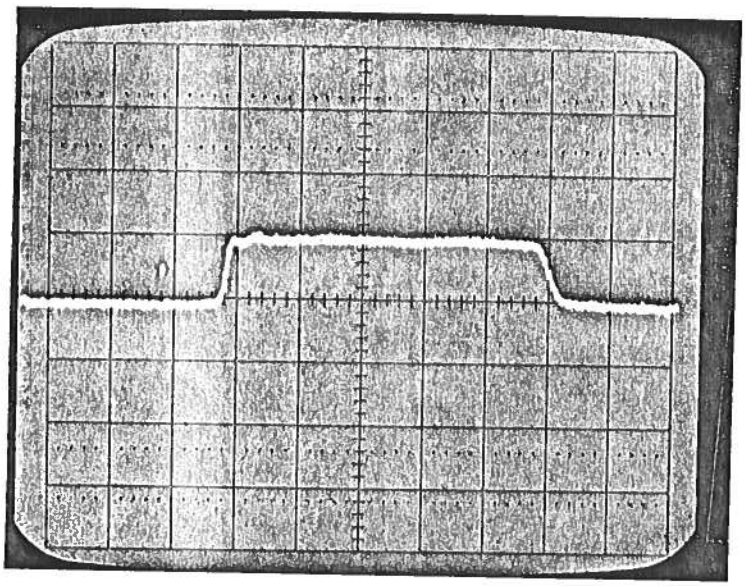
AVM-1-C SN 2760



(A) ≃ 5 MHz.
1.0 NSEC/DIV
5 VOLTS/DIV



(B) AS (A) BUT
100 PSEC/DIV



(C) ≃ 20 MHz
1.0 NSEC/DIV.
5 VOLTS/DIV

03.19.86