DATE 7/4/60 SH. 1 OF 3 COMPILED BY N. K.	TMC SPECIFICATION NO. S- 10039	
	TITLE: TEST PROCEDURE FOR PRE-AMPLIFIER	JOB
APPROVED	AMC 6-5	

TEST PROCEDURE

FOR

PRE-AMPLIFIER

AMC 6-5

DATE 7/4/60 SH. 2 OF 3 COMPILED BY N. K.	TMC SPECIFICATION NO. S- 10039	
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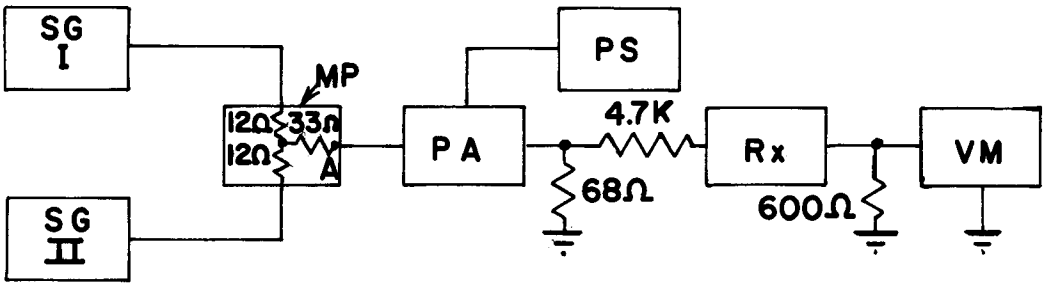
1.) ADJUSTMENT FOR MINIMUM CROSS-MODULATION

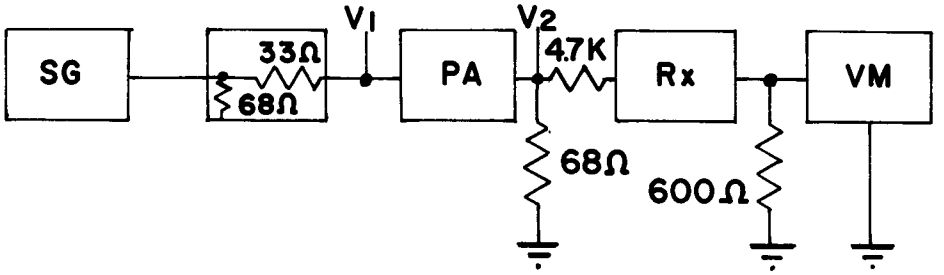


Inject two signals with a level of 250 mV each measured at the input jack J501 of the pre-amplifier: (point A)

SG I = 10.3 Mc/s
SG II = 3.9 Mc/s 30% modulated at 1 kc/s

Tune the receiver to 14.2 Mc/s and adjust the balance control R502 of the pre-amplifier for minimum cross-modulation. Lock R502. The cross-modulation should be ≤ - 60 db.

2.) GAIN MEASUREMENT

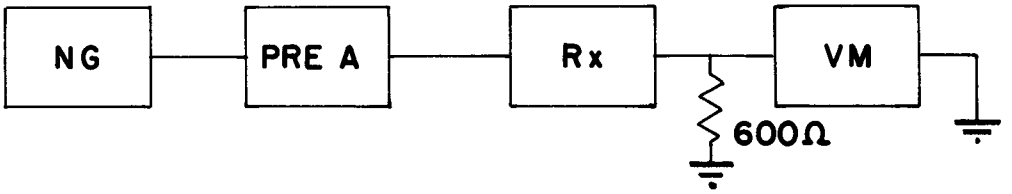


Inject a signal of 200 mV measured at the input J501 of the pre-amplifier. The signal should be 30% modulated at 1 kc/s.

The following minimum readings are to be obtained:

f (Mc/s)	V (mV) IN	V (mV) OUT
2	200	740
30	200	525

3.) NOISE MEASUREMENT



Follow the standard procedure for noise measurement. (In accordance with proceedings of IRE July 1953, paras 10.1.2.2, 10.1.2.2.1, 10.1.4). The following table gives you the maximum readings of the meter-indication:

f(Mc/s	I(mA)
2	2.3
30	2.8