DATE June 17/55
SH. 1 OF 2
COMPILED BY CLB
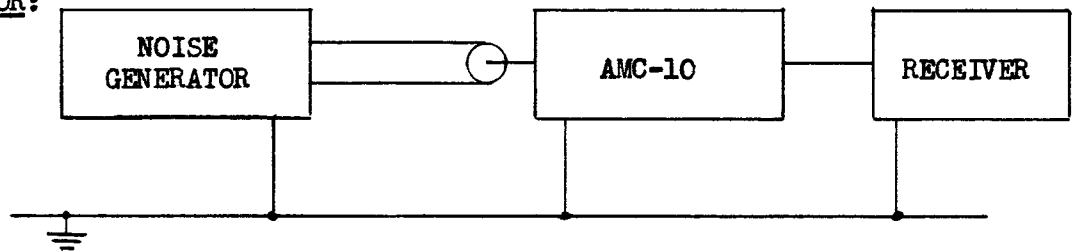APPROVED

TMC   SPECIFICATION NO. S - 10004

TITLE: TEST PROCEDURE   AMC-10   JOB
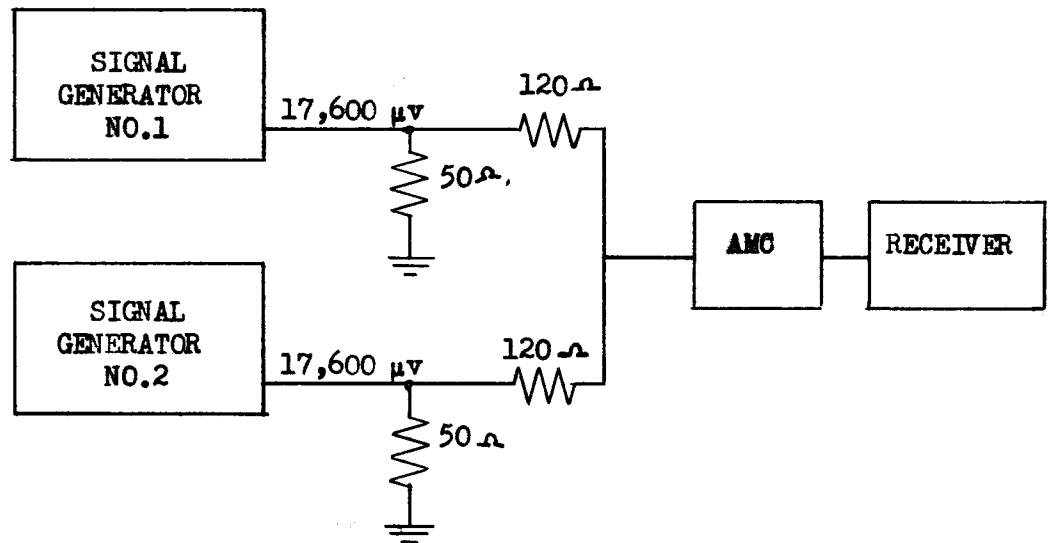
NOISE FACTOR:

Measured in accordance with Proceedings of the I.R.E., July 1953, paragraphs 10.1.2.2., 10.1.2.2.1., 10.1.4.

CROSS MODULATION:

Receiver calibrated at F_3. Both generators at 17,600 µv.
Signal generator no. 2 retuned to F_3, and attenuator adjusted to give
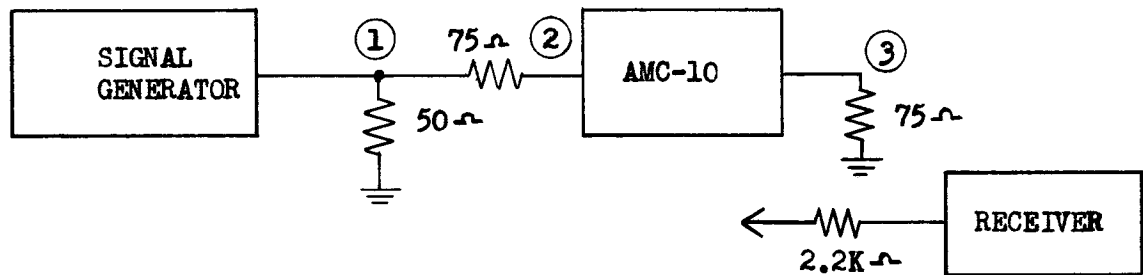standard output.

$$db \; attn = 20 \; log_{10} \frac{V2}{V1}$$

GAIN:

Receiver calibrated at V_1 = K = 100 μv.

Receiver switched to V_2 and signal generator attenuator adjusted
to give standard output. Measurements recorded.
Receiver switched to V_3 and signal generator attenuator again adjusted
to give standard output. Measurements recorded as V_3.

$$db\ gain\ =\ 20\ \log_{10}\ \frac{V2}{V3}\ .$$

FILTER:
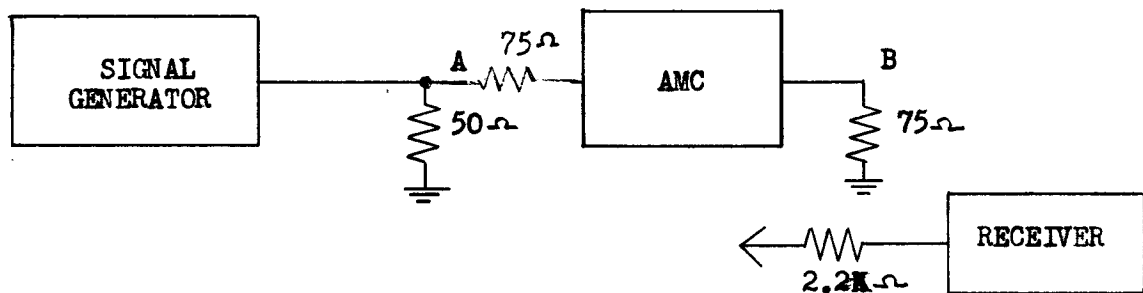
Signal generator output = K = 100 μv.
Receiver calibrated at A., switched to B and signal generator output
adjusted to give standard output. Insertion loss of AMC related
to average gain of AMC.

INPUT IMPEDANCE:

Measured by means of G.R. Bridge with AMC power ON.