

L3 AMPLIFIERS

1. GENERAL

1.001 This Issue 2, addendum to Section E44.591.2, Issue 1, dated July, 1955, clarifies and restricts information that was included in the Issue 1, of Addendum E44.591.2 concerning the line amplifier GAIN ADJ switch.

1.002 Also included in this addendum is Fig. 13, referred to in Paragraph 6.01, but which was omitted from Issue 1 of Section E44.591.2.

3. LINE AMPLIFIER

The following changes apply to Part 3 of the section.

(E) Misalignment Adjustment

For 3-pilot regulation systems — Page 7, Paragraph 3.15, change last sentence to read:

The GAIN ADJ switch is initially set at the factory and should not be changed in the field as a part of normal maintenance procedures.

For 6-pilot regulation systems — Page 7, Paragraph 3.15, add following sentences.

Adjusting the line amplifier GAIN ADJUST SWITCH for proper level of 3096 kc enables the maintenance of both the 3096 kc, and 7266 kc pilots at nominal level at each auxiliary repeater. This should relieve the strain in the cosine equalization terms within a switching section.

6. SIGNAL LEVELS, MODULATION AND NOISE

The following change applies to Part 6, of the section.

Paragraph 6.01 — add Fig. 13.

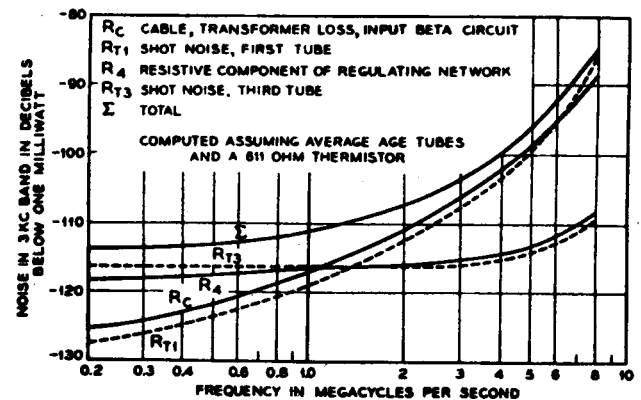


Fig. 13 — Thermal Noise at Line Amplifier Output