

12/19/58
THORNTON

30 Mc. I.F. Ampl.

MOD. SUPER-REG. W/ GROUNDING GRID AMPL.

TEST NO. 1 GRID $R = 1 \text{ MEG.}$ $C = 30 \text{ MMF.}$ $S_{\text{EN.}} = 2 \mu\text{V.}$

CENTER FREQ. = 30.782 Mc.

6 DB FROM CF = 30.860 Mc. (78 KC. FROM CF - 156 KC. BW)

60 DB " " = 31.032 Mc. (250 KC. " " - 500 KC. BW)

TEST NO. 2 GRID $R = 1 \text{ MEG.}$ $\frac{1}{2} \mu\text{H.}$ $C = 30 \text{ MMF.}$ $S_{\text{EN.}} = 2 \mu\text{V.}$

CENTER FREQ. = 30.672 Mc.

6 DB FROM CF = 30.742 Mc. (70 KC. FROM CF - 140 KC. BW)

60 DB " " = 30.922 Mc. (250 KC. " " - 500 KC. BW)

TEST NO. 3 GRID $R = 1.68 \text{ MEG.}$ $C = 30 \text{ MMF.}$ $S_{\text{EN.}} = 3 \mu\text{V.}$

CENTER FREQ. = $\frac{30.030}{30.965}$ Mc.

6 DB FROM CF = 30.081 Mc. (51 KC. FROM CF = 102 KC. BW)

60 DB " " = 30.245 Mc. (215 KC. " " = 430 KC. BW)

TEST NO. 4 GRID $R = 1.68 \text{ MEG.}$ $C = 15 \text{ MMF.}$ $S_{\text{EN.}} = 2 \mu\text{V.}$

CENTER FREQ. = 30.964 Mc.

6 DB FROM CF = 31.030 Mc. (66 KC. FROM CF = 132 KC. BW)

60 DB " " = 31.209 Mc. (245 KC. " " = 490 KC. BW)