

RF ALIGNMENT

Before proceeding with RF Alignment, check dial pointer for proper indexing. With tuning gang fully closed, set the pointer so that it reads exactly "0" on the logging scale. With bandsread capacitor fully closed, adjust dial disc to the exact low frequency end of the calibrated scales. Then open bandsread capacitor to "Set" mark.

Output Meter Connections — VTVM DC probe to junction of R23 and C43. Low side to chassis. Maintain approximately 2V reading on VTVM.

Signal Generator Connections — Connect high side of generator to "Ant." terminal through a 68 Ω , $\frac{1}{2}$ W resistor. Low side to "Gnd" terminal.

Control Settings — Adjust generator for 30% modulation. Set selectivity control for 3.0 Kc, and all other controls at their initial settings given previously.

General Instructions — The oscillator circuits should always be adjusted first for proper dial calibration at the specified frequencies on each band. Then the mixer and RF circuits should be set for maximum output. A certain amount of interaction may occur between oscillator and RF adjustments. Final adjustment should be made for correct calibration. The trimmer adjustments should always be the final adjustment for each band. The oscillator frequency is always on the high side of the signal frequency. Suitable precautions or checks should be used to insure this condition.

Bandswitch Setting	Generator and Receiver Frequency	Adjustments
.54-1.6 MC (Broadcast)	.6 MC	L1 for correct calibration T1 for maximum output
	1.5 MC	C66 for correct calibration C71 for maximum output
1.6-4.0 MC	1.8 MC	L2 for correct calibration T6, T2 for maximum output
	4.0 MC	C67 for correct calibration C62, Ant. Trim. for maximum output
4.0-10 MC	4.0 MC	L3, for correct calibration T7, T3 for maximum output
	10.0 MC	C68, for correct calibration C63, Ant. Trim. for maximum output
10-20 MC	11.0 MC	L4 for correct calibration T8, T4 for maximum output
	20.0 MC	C69 for correct calibration C64, Ant. Trim. for maximum output
20-30 MC	20.0 MC	L5 for correct calibration T9, T5 for maximum output
	30.0 MC	C70 for correct calibration C65, Ant. Trim. for maximum output