

TABLE 5. TRANSMITTER ALIGNMENT PROCEDURE

Step	Purpose	Alignment Conditions	VFO Dial Setting	Adjust	Indication	Location of Alignment Point
1	Align Transmitter VFO	<ol style="list-style-type: none"> 1. Insert 8.5 Mc xtal into XTAL socket and set XTAL-VFO switch to XTAL 2. Set SPOT switch to ON and tune receiver until unmodulated signal is heard. 3. Set XTAL-VFO switch to VFO 	51.0 Mc	CT2	Zero beat as heard on receiver	See Figure 7
2A	Align driver stage	<ol style="list-style-type: none"> 1. Connect 10 watt load to antenna connector 2. Connect milliammeter between "Test Point" (See schematic) and ground 3. Tune PLATE TUNE and ANT. LOAD controls for maximum output 	51.0 Mc	L10 and L11	Maximum grid drive on milliammeter. Note reading.	See Figure 7
2B		<ol style="list-style-type: none"> 1. Retune PLATE TUNE and ANT. LOAD controls for maximum output. 	52.0 Mc		Note milliammeter reading.	
2C		<ol style="list-style-type: none"> 1. Compare readings obtained in steps 2A and 2B. Carefully trim L11 until grid drive is equal at 50.0 and 52.0 Mc. * 		L11	Grid drive as shown on Milliammeter	
3	Align harmonic filter	<ol style="list-style-type: none"> 1. Use TV set tuned to channel 2 as an indicator 2. Energize transmitter and observe TV set 	51.0 Mc	L1	Minimum interference on TV set	See Figure 7

* NOTE: When L10 and L11 are properly adjusted, the grid drive to the 2E26RF output tube will be somewhat lower on either end of the band as opposed to the middle (i.e.: Lower at 50.0 and 52.0 Mc as opposed to 51.0 Mc).