

APPENDIX 6

TRANSMITTER TUNE-UP PROCEDURE

1. Attach 9.0 Vdc power supply.
2. Using a spectrum analyzer and a short pick-up antenna, look for 27 MHz signal with sufficient scan width to see 30-150 MHz spurious.
3. Adjust L3 for maximum output at operating frequency and minimum output at any harmonics.
4. Repeat Step 3.
5. Check for minimum spurious emissions from 30 to 272 MHz.

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APPENDIX 7

CIRCUITS AND DEVICES TO STABILIZE FREQUENCY

Transmitter output frequency is determined and stabilized by crystal oscillator Q1.

CIRCUITS AND DEVICES TO  
STABILIZE FREQUENCY  
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APPENDIX 7

APPENDIX 8

CIRCUITS TO SUPPRESS SPURIOUS RADIATION,

Final RF amplifier spurious emissions are attenuated by a "PI" matching network consisting of L2, C10, L3, C13, C11, C15, L4, C16 and L5.

CIRCUITS TO SUPPRESS SPURIOUS  
RADIATION, LIMIT MODULATION  
AND CONTROL POWER  
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APPENDIX 8