

RF-501F Adjustment Manual

1, Equipment

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|---------------------------|-----------|-----------------------|
| 1-1 Standard Crystal | 75.690MHz | 1-5 Frequency counter |
| 1-2 Circuit Board Checker | | 1-6 BNC-BNC Cable |
| 1-3 Power Supply | | 1-7 RF Circuit Board |
| 1-4 DIN-DIN Cable | | |

2, Preparation

- 2-1 Power supply Power Switch "OFF" and connect AC LINE
- 2-2 Connect Circuit Board Checker and Power Supply.
- 2-3 Connect Circuit board Checker and Frequency counter.(Use BNC-BNC Cable)
- 2-4 Power Supply Voltage Switch is "12V".
- 2-5 Power Supply Power Switch "ON".

3, Power Adjustment

- 3-1 Standard Crystal in Circuit board socket.
- 3-2 Circuit Board on Circuit Board Checker.
- 3-3 "T1" 2-3 turn down.
- 3-4 Adjust "T2" (AMP Meter is Max)
- 3-5 Adjust "T3" (AMP Meter is Max)
- 3-6 Adjust "T1" (AMP Meter is Max)
- 3-7 Adjust "T1", "T2", "T3" (Repeat :Power Meter Max)
- 3-8 Coil "L2" isn't Adjustment
- 3-9 Adjust "L1" (Power Meter Max)
- 3-10 repeat 3-7 ~9. Adjument done.

4, Frequency Adjustment

- 4-1 Modulation switch select "HIGH"
- 4-2 Adjust "VR1". Frequency Counter is "75.691800MHz"
- 4-3 Modulation switch select "Low"
- 4-4 Adjust "VR2". Frequency Counter is "75.688300MHz"
- 4-5 repeat "4-1 ~ 4-4" 2 times.
- 4-6 Notice :If frequency unstable counted, don't adjust and wait.
- ※ Frequency counter need warming up, at least hour.

5, Frequency 75MHz 75.690MHz H 75.691700MHz $\pm 200\text{Hz}$ • L 75.688300MHz $\pm 200\text{Hz}$