

## **Tune Up Procedure**

**1、 Power Test** Connect the PCB of the handheld microphone to DC 9V, to check the LED.

### **2、 Frequency Modification**

**2.1** Adjust the Spectrum Analyzer, center frequency is 600 MHz, frequency band is 200 MHz, level is 10 dBm. Then connect the antenna to the RF Input jack, open signal tracking. Choose the first group frequency, use multimeter test the voltage of PLL VCO, adjust the frequency of VCOR fine-tuning capacitor, to let the VCO voltage between 1.2 V-1.5V.

**2.2** Adjust the power of the two fine-tuning capacitor, then check the display on spectrum analyzer, to make the maximum frequency band, speed, to check the handheld microphone's radiation power, whether it is above 2dBm above. Then use the Frequency Meter to adjust the frequency of VCO.

### **3. Audio Frequency Modification**

To set the Audio analyzer with 1 K signal modulation, 80 mV rate, 3 V range. To set the Multi-function Receiver's AF FILTERS to 60 kHz, RA NGES is 30. Oscilloscope is 0.5 V and 0.2 ms, use probe to check the AF and GND contact on the handheld microphone, use oscilloscope to check whether the audio waveform is smooth. Then adjust the 10K audio fine-tuning resistance to the volume voltage of 0.46 ~ 0.48 V. (Checking with Ms Table)

### **4. Frequency Checking**

Set the transmitter with minimum frequency, check the transmitting frequency whether works normally. Set the transmitting with maximum frequency transmitters, check the transmitting frequency whether works normally.