1. Test Frequency: 520~608MHz

## 2. VCO voltage adjustment(L/R)

Frequency set at the lowest frequency.

Adjust C18(L)/C18-1(R) to set LPF voltage . In the test point(LPF-L/LPF-R) of the nominal value voltage  $1.5V\pm0.5V$ 

Frequency set at the highest frequency.

checking the LPF voltage. In the test point(LPF-L/LPF-R) of the voltage is less than 3.5V

# 3. RF output checking

Connect RF output(RF-L/RF-R) to spectrum .

Checking the RF output level =  $+7dBm \sim +10dBm$ , the harmonic < -47dBm.

## 4. Transmission frequency adjustment

Connect RF output(RF-L/RF-R) to frequency counter .

Checking the transmission frequency=Fo±10KHz at no modulation.

#### 5. AF adjustment

Set S5 to STEREO position.

Set Audio Analyzer AF out -10dBV/1KHz then putting the AF into jack(J4-L/J5-R)

Adjust the R147(L)/R110(R) to set AF Output level, For Rx BAL out =1.46V $\sim$ 1.64V

Check the THD.< 1%

Check the S/N radio > 95dB/A

Set S5 to MONO position then check the Rx BAL out =  $0.72 \sim 0.82 \text{V}(\text{L/R})$ 

#### 6. Tone adjustment

Connect RF output(RF-L/RF-R) to spectrum .

Adjust R146(L)/R94(R) to set the TONE level =  $-29\pm1$ dBC reference to Fo



