

SK35/65 Adjusting Procedures

1. Test Frequency : 548-572MHz,606-608MHz,614-638MHz
2. VCO voltage adjustment :
 Sync key(SW103) set frequency at the lowest frequency.
 Adjust C220 to set LPF voltage . In the test point(LPF) of the nominal value voltage $1.5V \pm 0.5V$
 Sync key(SW103) set Frequency at the highest frequency.
 checking the LPF voltage . In the test point(LPF) of the voltage is less than 3.5V
3. RF output checking :
 Connect RF output(TP4) to spectrum .
 Checking the RF output level = +8dBm ~ +11dBm , the harmonic < -47dBm .
4. Transmission frequency adjustment :
 Connect RF output to a frequency counter .
 Then rotate the C149 so that the transmission frequency can be adjusted with in $\pm 2\text{KHz}$ for the nominal value at no modulation .
5. AF adjustment :
 Set ATT SW(SW3) to -30dB position .
 Set Audio Analyzer AF out -9dBV/1KHz then input from J88
 Adjust the R149 to set AF Output level , For EM10 BAL out =1.5V~1.65V
6. Tone adjustment
 Connect RF output(TP4) to spectrum .
 Adjust R146 to set the TONE level =-29.5dBC~ -31dBC reference to fo
 So the tone deviation range is about 2KHz

