SK20 Adjusting Procedures

1. Test Frequency : 548-572MHz,606-608MHz,614-638MHz
2. VCO voltage adjustment :
   Sync key(SW4) set frequency at the lowest frequency.
   Adjust C220 to set LPF voltage . In the test point(LPF) of the nominal value voltage 1.5V ± 0.5V
   Sync key(SW4) 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 C7 so that the transmission frequency can be adjusted with in ±2KHz for the nominal value at no modulation .
5. AF adjustment :
   Set ATT SW(SW3) to -30dB position .
   Set Audio Analyzer AF out -5dBV/1KHz then input from jack(J1)
   Adjust the R64 to set AF Output level , For EM10 BAL out =1.5V~1.65V
6. Tone adjustment
   Connect RF output(TP4) to spectrum .
   Adjust R65 to set the TONE level =-29.5dBC~ -31dBC reference to fo
   So the tone deviation range is about 2KHz