

A l i g n m e n t P r o c e d u r e

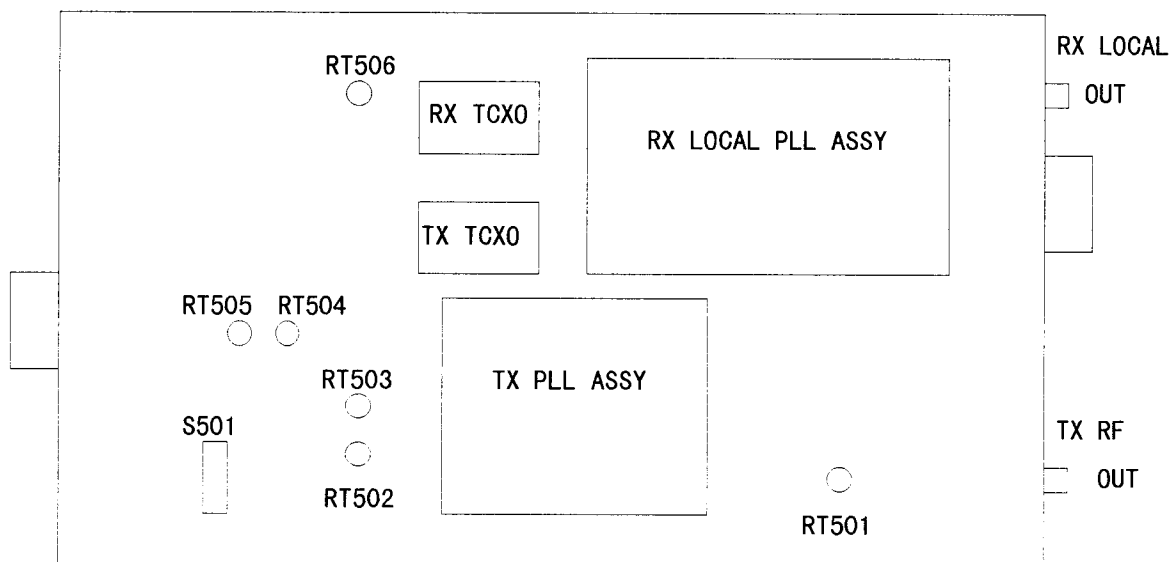
TRANSMITTER

1. Supply power to the local unit and measure the output power. Adjust RT501 in the local unit to obtain the rated power.
2. Apply 300Hz, 1Vp-p Signal to the TX DATA terminal. Adjust RT503 to obtain 1kHz deviation.
3. Apply 1kHz, -6dBm signal to the TX AUDIO terminal. Adjust RT504 to obtain 3.7kHz deviation.
4. Apply 1kHz, -26dBm signal to the TX AUDIO terminal. Adjust RT505 to obtain 3kHz deviation.

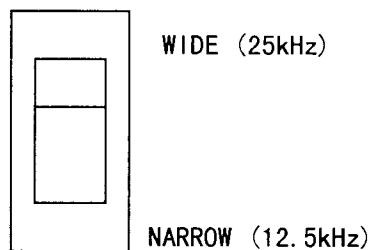
RECEIVER

1. Apply no modulated input signal and set local oscillator frequency to a desire one. Adjust L122 in Rx MODULE so that the DC voltage of TP102 becomes 2.6V.
2. Connect RF signal generator to the Rx antenna jack and tune generator to the Rx frequency. Adjust L108 and L109 for maximum sensitivity.
(Set 8pin of Dip Switch S101 to ON position.)

MRU400L (UL-107Z) =TX/LOCAL UNIT=



1. S501 setting

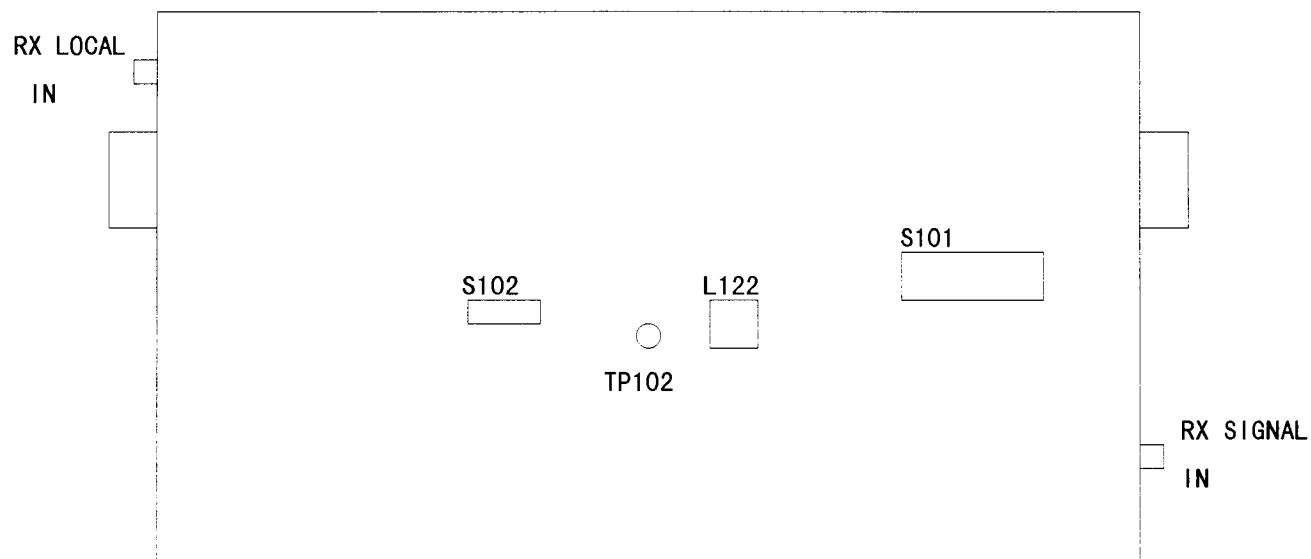


2. Semi-Fixed Resistor setting

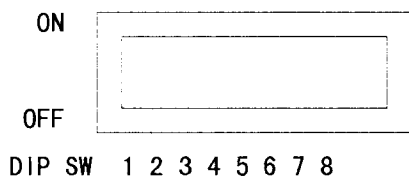
- RT501 : TX POWER ADJ : ADJ to 400mW TX RF OUT
- RT502 : MODULATION BALANCE ADJ : ADJ to flat AF response , 10Hz to 3kHz
- RT503 : DATA DEVIATION ADJ : ADJ to 750Hz(WIDE) or 400Hz(NARROW) at -3dBm DATA Level
- RT504 : AF MAX DEVIATION ADJ : ADJ to 3.8kHz(WIDE) or 1.9kHz(NARROW) at -6dBm AF Level
- RT505 : AF MOD. SENSITIVITY ADJ : ADJ to 3.0kHz(WIDE) or 1.5kHz(NARROW) at -26dBm AF Level
- RT506 : TCX0 SUPPLY VOLTAGE ADJ : ADJ to 5.00V DC at TCX0 Vcc

* : Must be RE-ADJ at change FREQUENCY or WIDE/NARROW

MRU400R (UL-106Z) =RX UNIT=



1. S101 setting



DIP SW 1 ON : 450MHz ~ 460MHz
 DIP SW 2 ON : 455MHz ~ 465MHz
 DIP SW 3 ON : 460MHz ~ 470MHz
 DIP SW 4 ON : 465MHz ~ 475MHz
 DIP SW 5 ON : 470MHz ~ 480MHz
 DIP SW 6 ON : 475MHz ~ 485MHz
 DIP SW 7 ON : 480MHz ~ 490MHz
 DIP SW 8 ON : 485MHz ~ 494MHz

2. S102 setting

