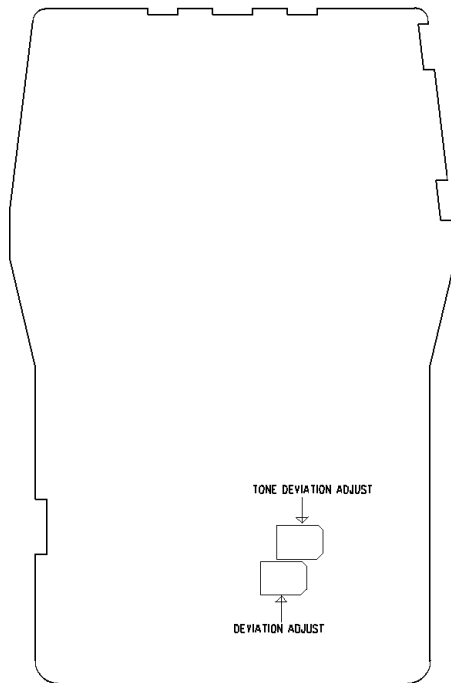


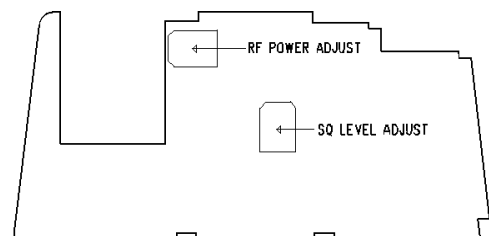
ALIGNMENT INSTRUCTIONS

1. ALIGNMENT LAYOUT



[CPU SECTION]

MAYCOM CO., LTD.
FCC ID: N6MEH-465
JOB # 193K0
EXHIBIT # 9A-9C



[RF SECTION]

2. TEST EQUIPMENT REQUIRED

1) CPU and Phase Locked Loop Section

- $\bar{\Gamma}$ Frequency Counter
- α DC Power Supply
- β DC Volt Meter
- χ Oscilloscope

2) Transmitter Section

- $\bar{\Gamma}$ RF Power Meter(RF SSVM)
- α 50 $\wedge$ Load(non-inductive)
- β RF Attenuator
- χ Oscilloscope
- δ Audio Generator
- ϵ DC Power Supply
- ϕ Spectrum Analyzer
- γ Frequency Counter
- η Modulation Meter

3) Receiver Section

- RF Signal Generator
- α AF Level Meter
- β Distortion Meter
- χ DC Power Supply
- Sinad Meter
- Oscilloscope
- 16 Ohm 1w Dummy Load

3. ALIGNMENT PROCEDURE

1) PHASE LOCKED LOOP AND CPU SECTION

STEP	SETTING	CONNECTION	ADJUST	ADJUST FOR
1	Frequency adjustment ; Mode : Receive Volume : Optional Squelch : Optional CH Selector : 1	Frequency counter To output pin_10 of IC501 (Figure-1)	CT501	21.25MHz±100Hz
2	CPU Voltage check ; Mode : Receive Volume : Optional Squelch : Optional CH Selector : 1	Connect DC volt. Meter to R509 On Cpu Board.		Indication on DC voltmeter must be 0.5V.

2) TRANSMITTER SECTION

STEP	SETTING	CONNECTION	ADJUST	ADJUST FOR
1	RF Power stage ; Mode : Transmit Volume : Optional Squelch : Optional CH Selector : 3	Connect dummy load and RF power meter to the external ANT-jack on the Set (Figure-2)		Power meter($0.5 \pm 0.1W$)
2	Second harmonic check ; Mode : Transmit Volume : Optional Squelch : Optional CH Selector : 3	Connect RF power meter with dummy load to spectrum analyzer through coupler/-40dB atten. to EXT-ANT. Jack on the set (Figure-3).		At no modulation, compare the level of fundamental freq-spectrum to the level of harmonic freq-spectrum. Suppression of the 2nd harmonic Freq. level must be lower than 60dB. Check for the other channel's
3	Frequency check ; Mode : Transmit Volume : Optional Squelch : Optional CH Selector : 1	Connect dummy load and frequency counter through coupler to RF power meter. Also connect power meter to EXT-ANT. jack on the set. (Figure-4)		Make sure that the indication of the transmitter freq. Is $462.5625MHz \pm 2.5PPM$ on the frequency counter.
4	MAX deviation check ; Mode : Transmit Volume : Optional Squelch : Optional CH Selector : 1	Connect dummy load and modulation meter through coupler to RF power meter. Also connect power meter to EXT-ANT. jack on the set. (Figure-6)	RV-401	adjust RV401 so that the indication of the modulation analyzer is $2.3 \pm 0.2KHz$.

3) RECEIVER SECTION

STEP	SETTING	CONNECTION	ADJUST	ADJUST FOR
1	RX sensitivity ; Mode : Receiver Volume : Half clockwise Squelch : Turn to counterclockwise CH Selector : 1 SSG : 462.5625MHz 1KHZ AF 1.5KHZ DEV. 0.22uV	Connect RF signal Generator to external ANT. Jack. Connect SSVM, Sinadder and Distortion meter across EXT-Speaker out jack with 16 Ω dummy load (Figure-5)		Adjust the parts of tuning circuitry for 12• SINADDER