

VHF SY-130 TX TEST DATA

MODEL NO : SY-130(ALBRECHT)
 TESTED DATE : 23 APR 1998
 TESTED BY : CHO BONG HO

| TEST ITEMS | UNIT | NORMAL | LIMIT | RESULT | | | |
|--|------|----------|----------|-----------|-----------|------------|-----|
| | | | | 144.00MHZ | 145.00MHZ | 149.995MHZ | |
| 1. RF POWER AT 50 OHMS DUMMY LOAD | LOW | W | 10 | 8.0-12 | 10 | 10 | 10 |
| | HI | W | 50 | 45-55 | 50 | 50 | 50 |
| 2. FREQUENCY ERROR | HZ | | | | +20 | +10 | +10 |
| 3. MAX DEVIATION GE: 1KHZ 24mV | KHZ | 4.7 | 4 ~ 6 | 4.9 | 4.7 | 4.6 | |
| 4. MIC GAIN GE: 1KHz 3mV | KHz | 4.0 | ± 0.4 | 4.3 | 4.1 | 4.0 | |
| 5. CALL DEVIATION GE: OFF | KHZ | 4.5 | 3.5~5.5 | 4.1 | 4.0 | 3.9 | |
| 6. CTCSS TONE DEVIATION TONE SW (88.5Hz ON) | KHz | | | 0.7 | 0.7 | 0.7 | |
| 7. MIC SENS AT 1.5KHZ DEVIATION | mV | 3.0 | 6.0 | 1 | 1 | 1 | |
| 8. DISTORTION AT 1.5KHZ/DEV | % | 1 | 3 | 1.5 | 1.4 | 1.4 | |
| 9. AUDIO FIDELITY 400HZ 2.5KHZ | dB | +3 -6 | ±3 ±6 | -4 +6 | -4 +6 | -16 +6 | |
| 10. SPURIOUS & HARMONICS | dB | 70dB | 60dB | 61 | 61 | 65 | |
| 11. CURRENT DRAIN A13.8 VOLTS | LOW | A | 5.0 | 6.0 | 5.0 | 5.0 | 5.0 |
| | HI | A | 12.0 | 13.0 | 11 | 11 | 11 |

VHF SY-130 RX TEST DATA

MODEL NO : SY-130(ALBRECHT)
 TESTED DATE : 23 APR 1998
 TESTED BY : CHO BONG HO

POWER SUPPLY VOLTAGE: 13.8V

(ALL SSG OUT = EMF)

| TEST ITEMS | UNIT | NORMAL | LIMIT | RESULT | | |
|---|----------|--------|-------|-----------|-----------|------------|
| | | | | 144.00MHZ | 145.00MHZ | 145.995MHZ |
| 1. USABLE SENG FOR 12dB SND | dB | -10 | -6 | -9.5 | -10.8 | -10 |
| 2. NOISE QUIETION FOR 20dB | dB | 6 | 0 | -6.5 | -8 | -8 |
| 3. SQUELCH THRESHOLD SENS | dB | -15 | ±6 | -14 | -14 | -14 |
| 4. SQUELCH TIGHT SENS | dB | -6 | ±6 | -9 | -9 | -9 |
| 5. METER SENS FOR FULL | dB | 15 | ±6 | 14 | 14 | 14 |
| 6. 1mV HUM & NOISE RATIO | dB | 40 | 35 | 44 | 44 | 44 |
| 7. DISTORTION AT 1mV INPUT | % | 10 | 5 | 1.2 | 1.2 | 1.2 |
| 8. MAX AUDIO POWER AT 8 Ω | W | | | 3.7 | 3.7 | 3.7 |
| 9. 10% THD POWER AT 8 OHMS | W | | | 2.5 | 2.5 | 2.5 |
| 10. AUDIO FIDELITY 400HZ 2.5KHZ | dB dB | | | +9 -17 | +9 -17 | +9 -17 |
| 11. ADJUCENT CHANNEL SELECTIVITY ±6KHZ | dB | | | | -1 | |
| 12. SPURIOUS REJECTION RATID | dB | 60 | 55 | | 80 | |
| 13. INTERMODULATION RESPONSE ±20KHZ | dB | 60 | 55 | | 59 | |
| 14. CURRENT DRAIN AT | SQED | mA | 200 | 250 | | 270 |
| | THD 10% | | 450 | 600 | | 530 |