



TELEMETRY-ELECTRONICS CONSULTANTS

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MK9A Tuning, Alignment, and Test Procedure 2003.05.13

I. Tuning and Alignment:

No tuning or alignment required.

II. Test Procedure:

Parameters to be measured (at 3.6 and 3.0V supply unless otherwise noted)

RF parameters – Measure the following:

- i. VCO Tuning Voltage
- ii. Mid-Band Power Output
- iii. Mid-Band Peak Current
- iv. Harmonic levels, (up to 4th harmonic of transmit frequency)
- v. Frequency offset from nominal, ppm
- vi. Synthesizer Lock Time
- vii. VCO gain (3.6V only)

Other Parameters – Measure or verify the following (3.6V supply only):

- i. Microcontroller clock frequency
- ii. Verify RTC alarm function
- iii. Verify Power Up Reset Function