

KI6MZ Field Strength Meter Calibration

Equipment Required:

- Signal Generator
- KI6MZ Field Strength Meter
- Appropriate Cable

Calibration Procedure:

1. Connect the appropriate cable from either the -RF or the +RF SMA connector on the Field Strength Meter to the RF Out connector on the Signal Generator.
2. Turn on the Field Strength Meter (Display and Detector).
3. Turn on the Signal Generator ... allow 30 minute warm-up
4. Adjust the set level so 0 dB attenuation equals 0 DBM at the RF out connector.
5. Set Signal Generator for -70dBm signal
6. Adjust the Field Strength Meter NF (Noise Floor) potentiometer until meter reads -70dB.
7. Set the Signal Generator for -10 DBM signal.
8. Adjust the Field Strength Meter Slope potentiometer until meter reads -10dB.
9. Repeat steps 4, 5, 6, and 7 until no adjustments are needed.
10. Adjust signal generator RF output for levels between -10 and -70 DBM and check that the Field Strength Meter reading is within 1 DB of the signal generator.
11. Turn off the Signal Generator and Field Strength Meter.
12. Disconnect the cable from the Field Strength Meter and the Signal Generator.