

Exhibit 12 - Test Setup Photos

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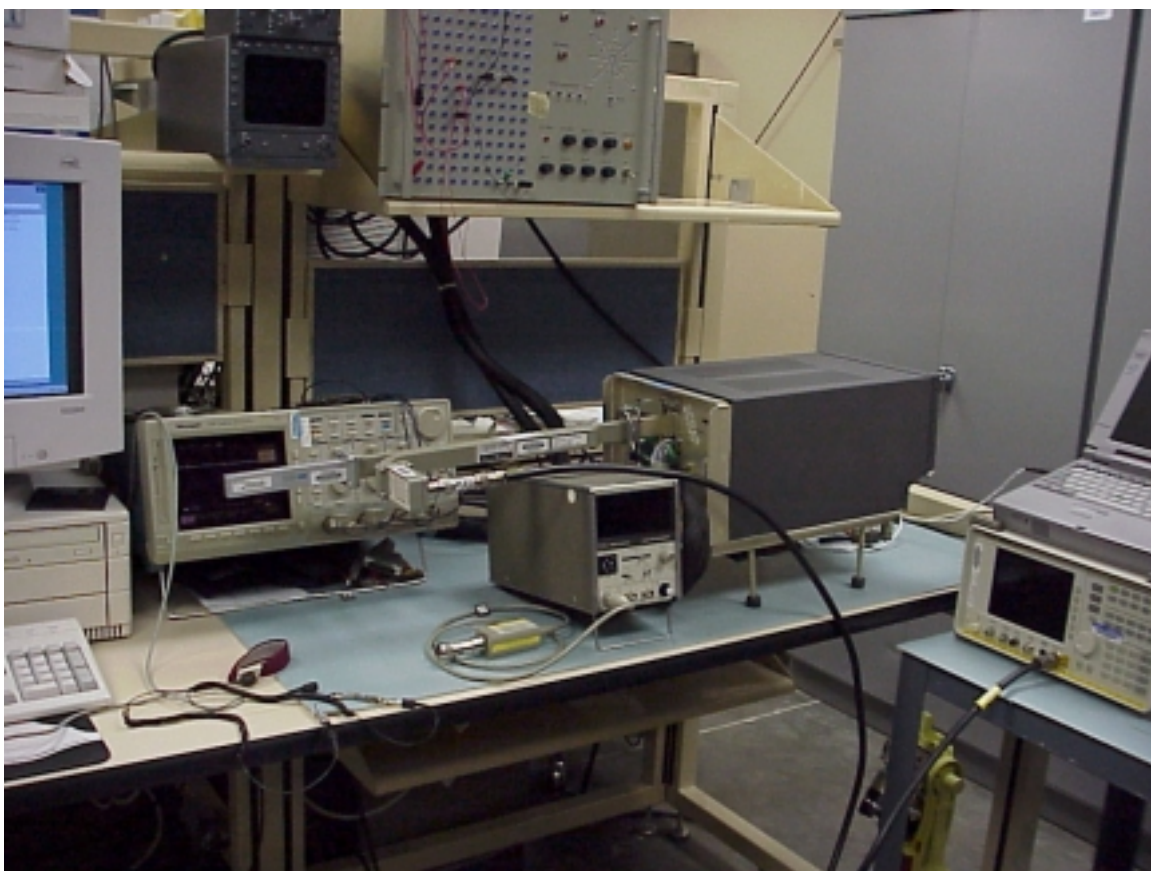


Figure 12-1. Bench Test Setup - Occupied Bandwidth, Antenna Spurious, Power Line Stability



Figure 12-2. Frequency Stability vs Temperature



Figure 12-3. Radiated Emissions Setup - Per DO-160D and Boeing Requirements



Figure 12-4. Radiated Emission Setup

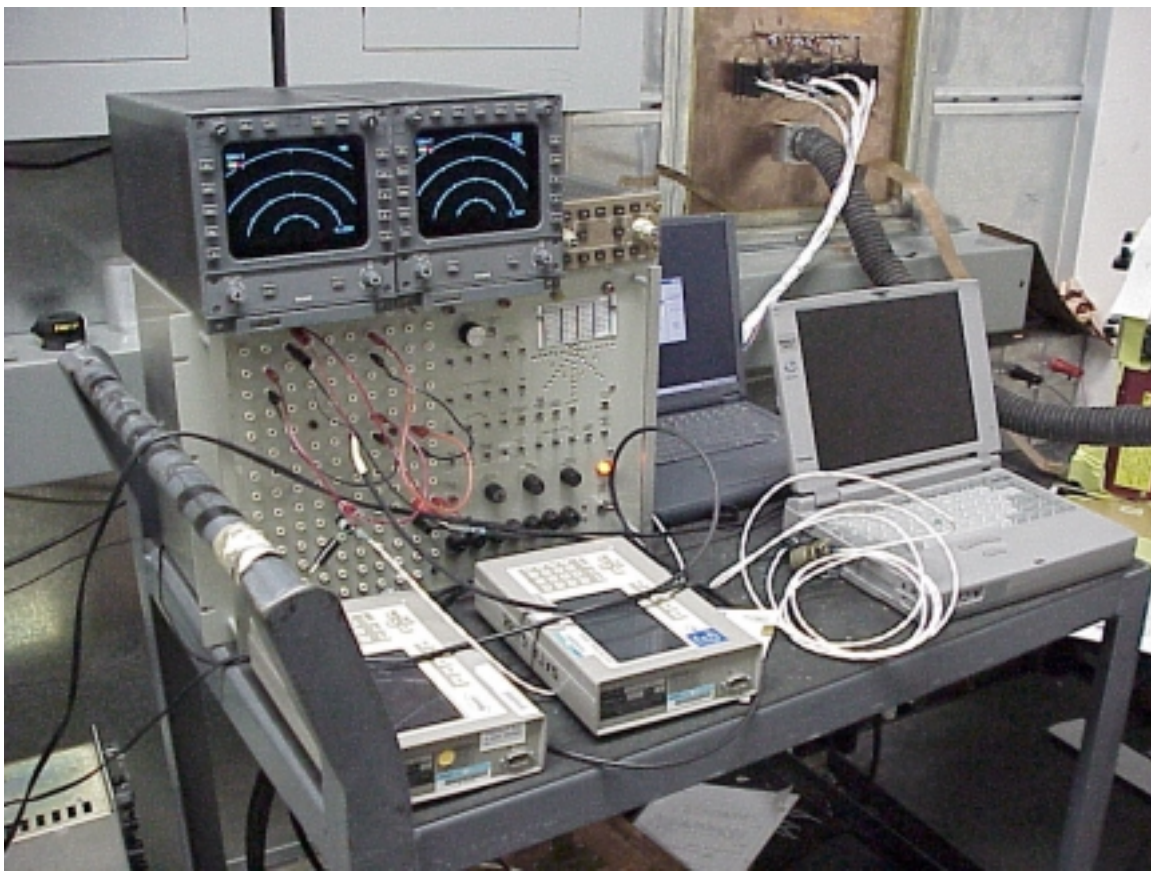


Figure 12-5. Radiated Emission Setup Outside of Chamber

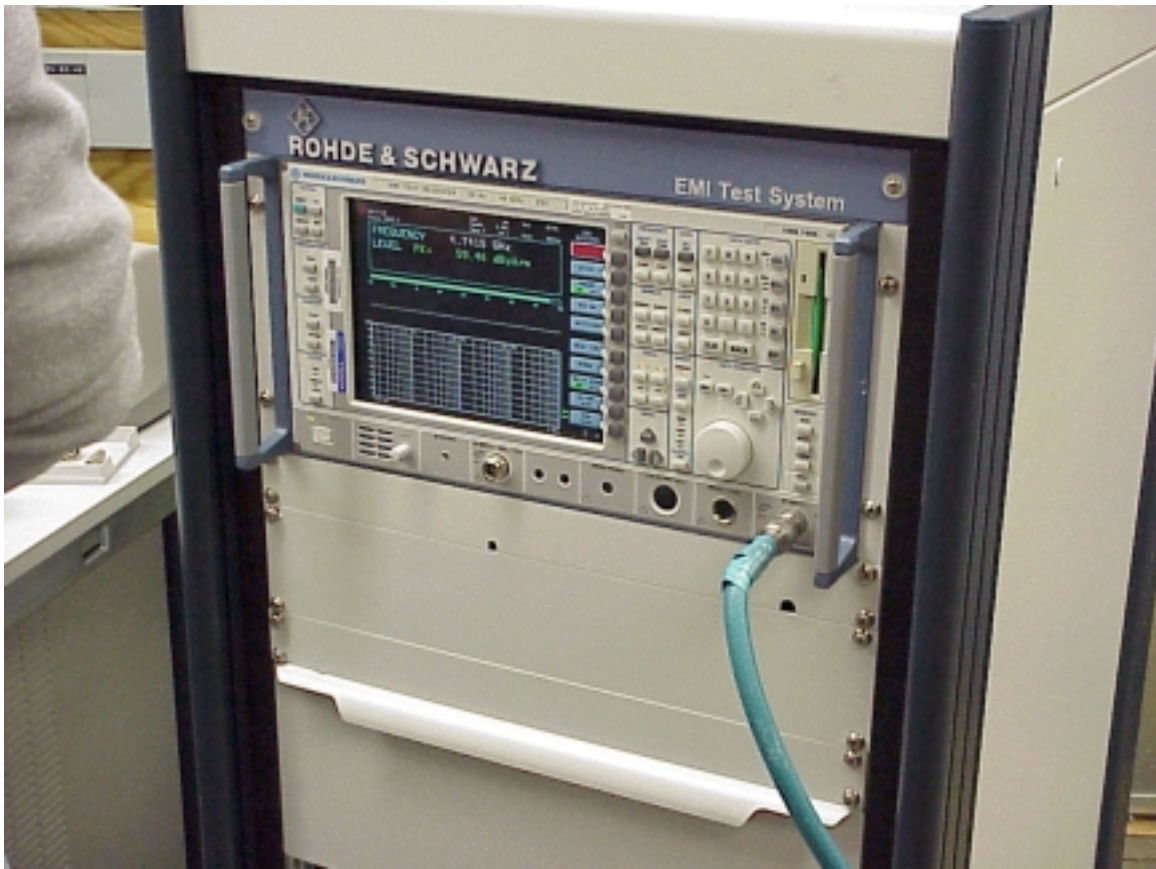


Figure 12-6. Radiated Emission - EMI Receiver



Figure 12-7. Radiated Emission Operator Console

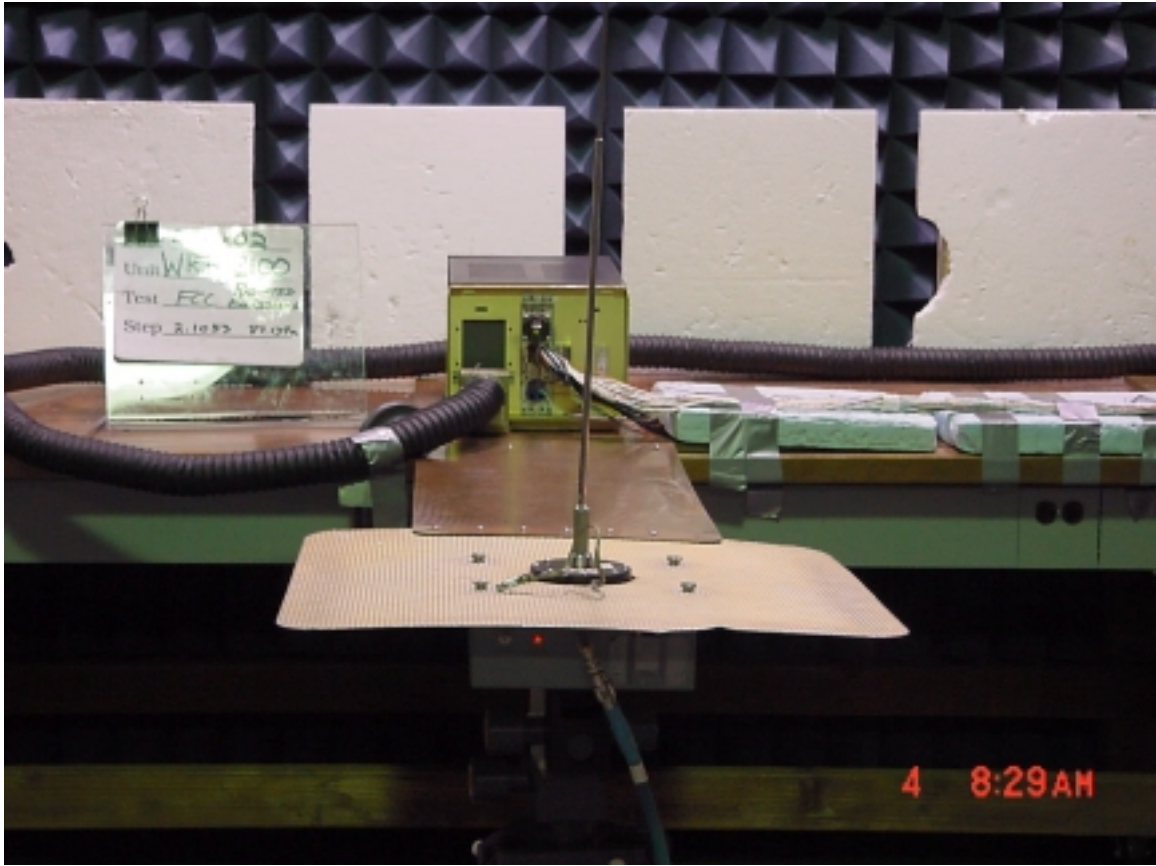


Figure 12-8. Radiated Emission 150KHz - 25MHz

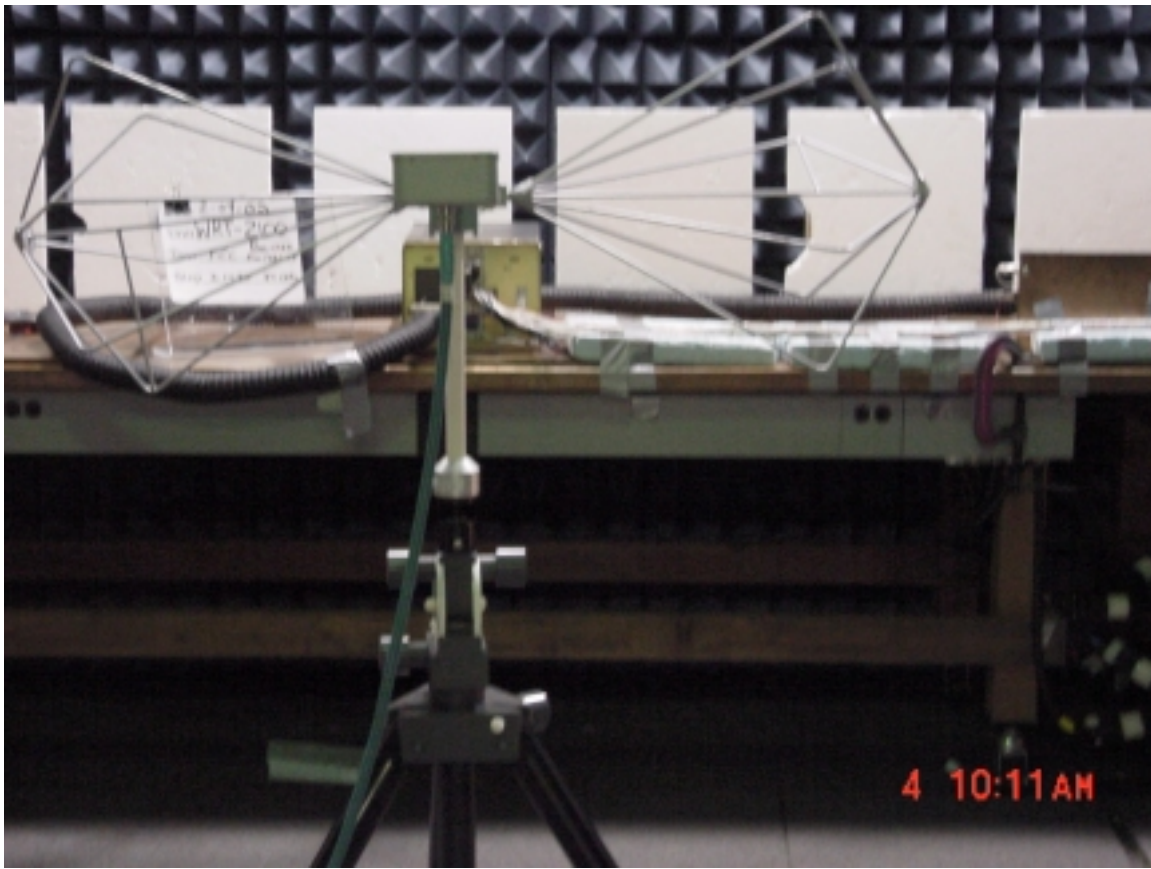


Figure 12-9. Radiated Emission 25MHz - 200MHz

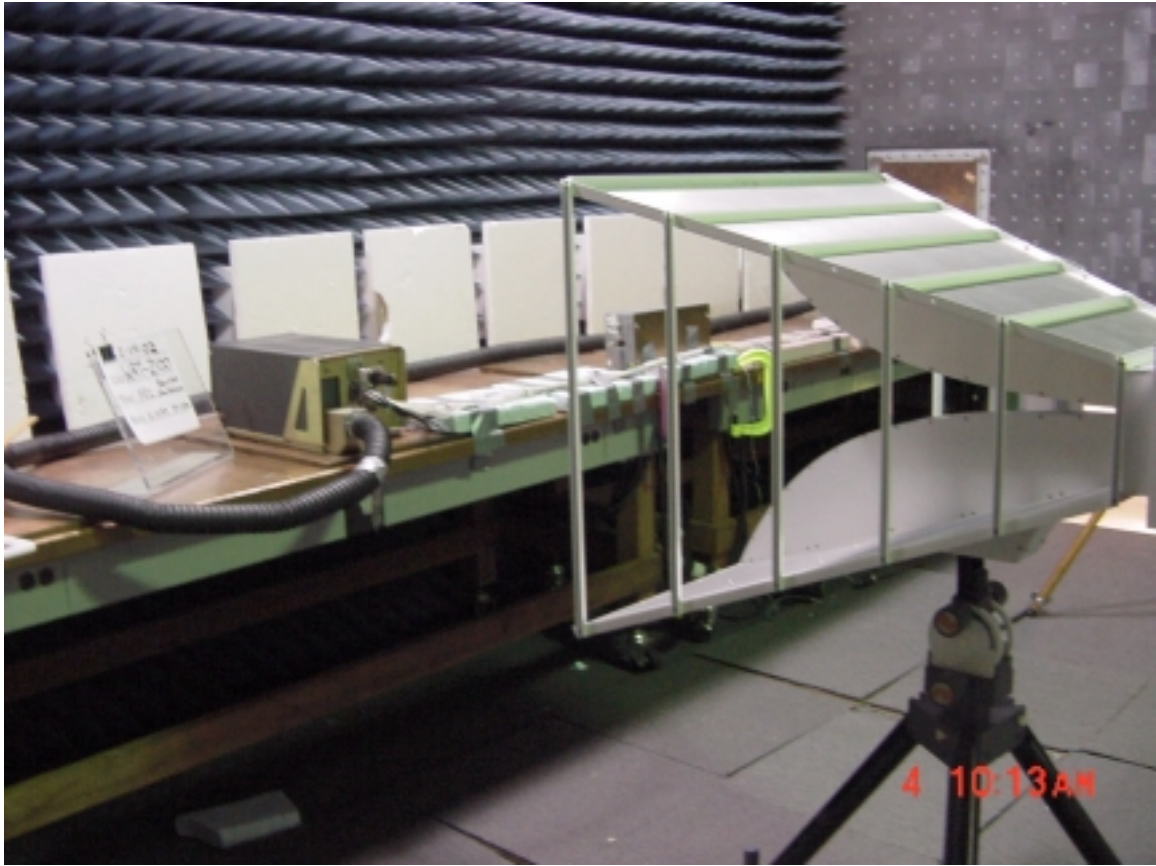


Figure 12-10. Radiated Emissions 200MHz - 1GHz

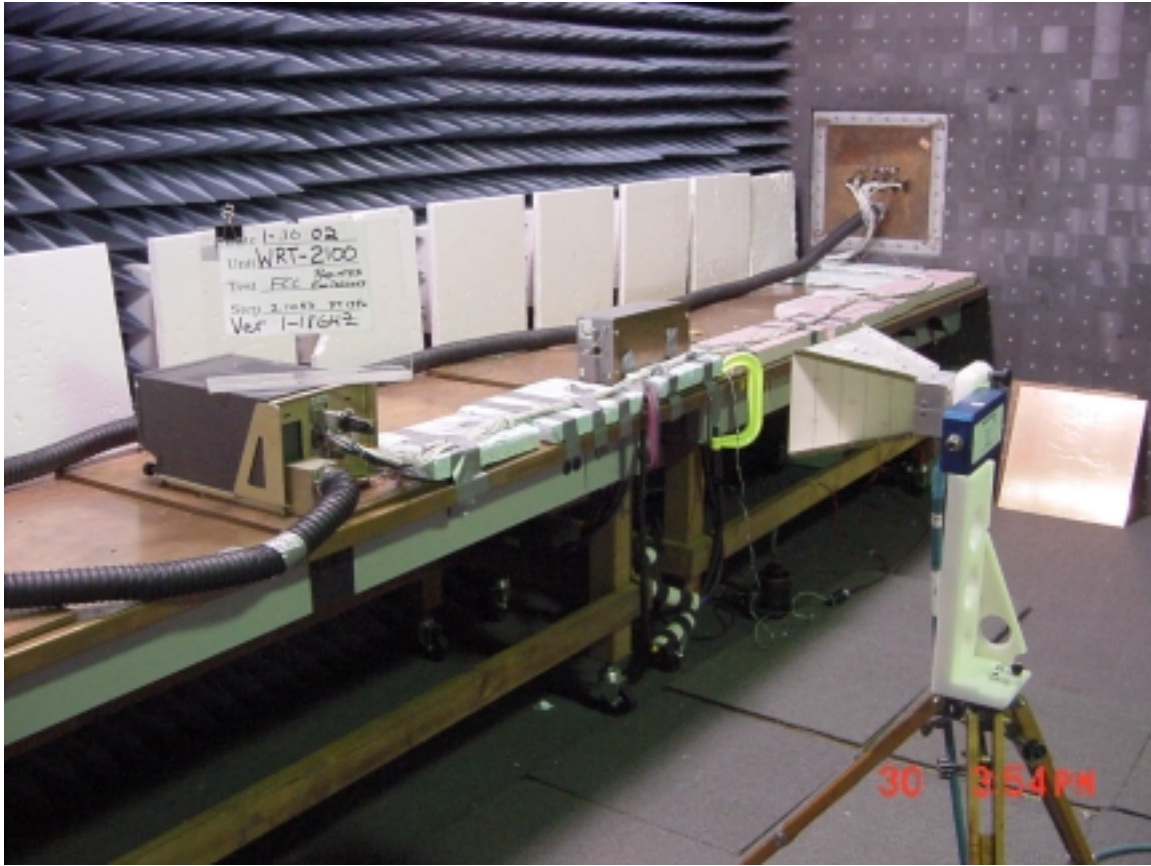


Figure 12-11. Radiated Emissions 1GHz - 18GHz



Figure 12-12. Radiated Emissions 18 - 26.5 GHz



Figure 12-13. Radiated Emissions 26.5-40GHz