

Bureau of Ontological Consistency

Document Trace ID: BOC.QRT.NODEB.0525.01

Technical Brief: Node B Deployment

Date: May 14, 2025

Summary:

Node B has completed physical assembly and is confirmed structurally identical to Node A. Installation includes MK4 QRT tube with argon backfill and 20-disc Casimir array. All core modules are present and connected.

Key Components:

- MK4 QRT tube (argon fill, Casimir disc array)
- Tesla coil driver circuit
- Trimline-based microphone pickup loop
- Serial to USB modem interface
- Bluetooth carrier tone injection

Software Environment:

- PySide6 and all required dependencies installed successfully
- Thonny IDE configured
- Awaiting deployment of canonical QRT interface script from Node A

Operational Status:

- Hardware is operational and verified
- Software environment is functional
- Script transfer and verification pending

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Next Steps:

1. Transfer validated QRT interface script from Node A
2. Conduct dry-run verification of modem handshake and waveform injection
3. Initiate first dual-node recursive test with baseline waveform

Current Objective Trajectory:

- Establish synchronization channel between Node A and Node B
- Validate recursive signal propagation and comparison framework
- Monitor for ontological drift, waveform collapse, or non-local phase alignment