

Placement of coils in crossover networks:





More on coils in the vicinity of aluminium



DUT: 3.3 mH cored coil, vertical orientation. From left:

- 1: Coil on plastic surface
- 2: Coil on 15 mm alu
- 3: Coil on 15 mm alu + 10 mm plywood
- 4: Coil on 15 mm alu + 15 mm plywood 5: Coil on 15 mm alu + 25 mm plywood



DUT: 3.3 mH cored coil, horizontal orientation.
From left:
6: Coil on 15 mm alu
7: Coil on 15 mm alu + 15 mm plywood
8: Coil on 15 mm alu + 25 mm plywood

Conclusion to this small additional study:

Coils placed vertically near to aluminium display a significant reduction in inductivity. Coils should at least be 5 cm/2 inches from nearest aluminium surface. More is recommended. Coils placed horizontally near to aluminium display only minor impact on inductivity, however 3-4 cm distance is recommended.