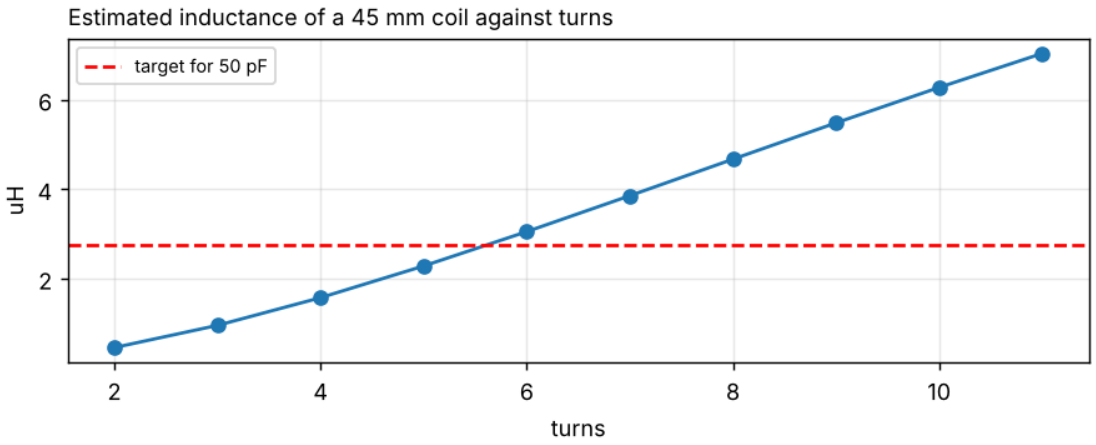
Antenna and flex pack: Design Verification Report

ANT | Blaide product line | 17 November 2026 | Design only: nothing built or tested

What has been checked without hardware, by calculation, simulation or software test.

Results

- 45 mm coil: 6 turns, estimated 3.0 uH against a 2.8 uH target, about 23 ohm, quality factor near 11
- Tag layout: chip pads are not joined before the bridge; the bridge crosses the turns only over dielectric; it lands on both pads



Layout checks pass: the chip pads are not joined before the bridge is printed; the bridge crosses the turns only over dielectric; it lands on both pads. Estimates come from a published planar-coil formula and an assumed sheet resistance.

Not verified

Everything in the test plan (document 04) needs hardware.