Measurements: DG1KPN

All toroids: Outer diameter 0.5 inches (12.7 mm), 10 turns (CF=20dB), except Fig. 1 and 4b.

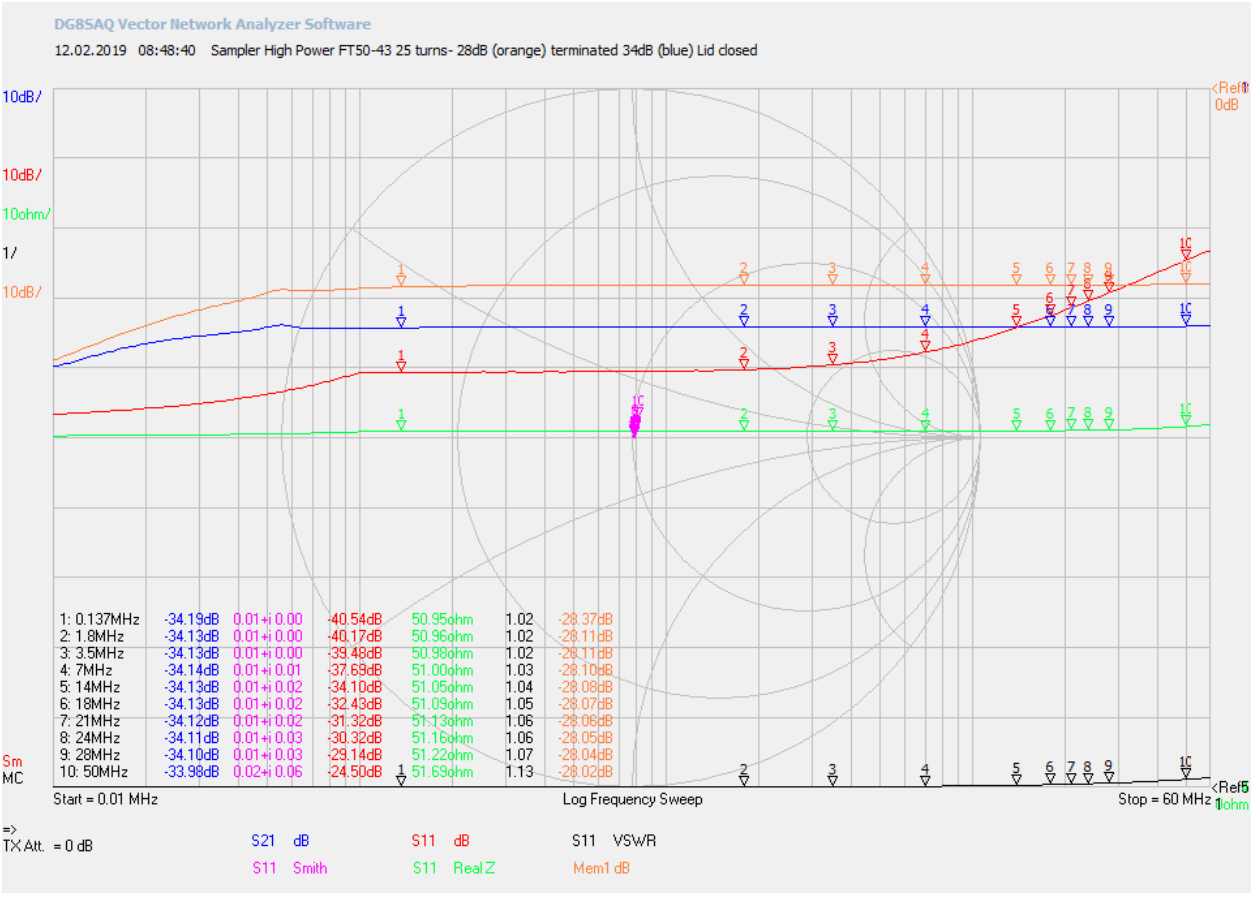

Fig. 1: Ferrite FT50-43, 25 turns, 28dB, is far the best of this sample for HF.

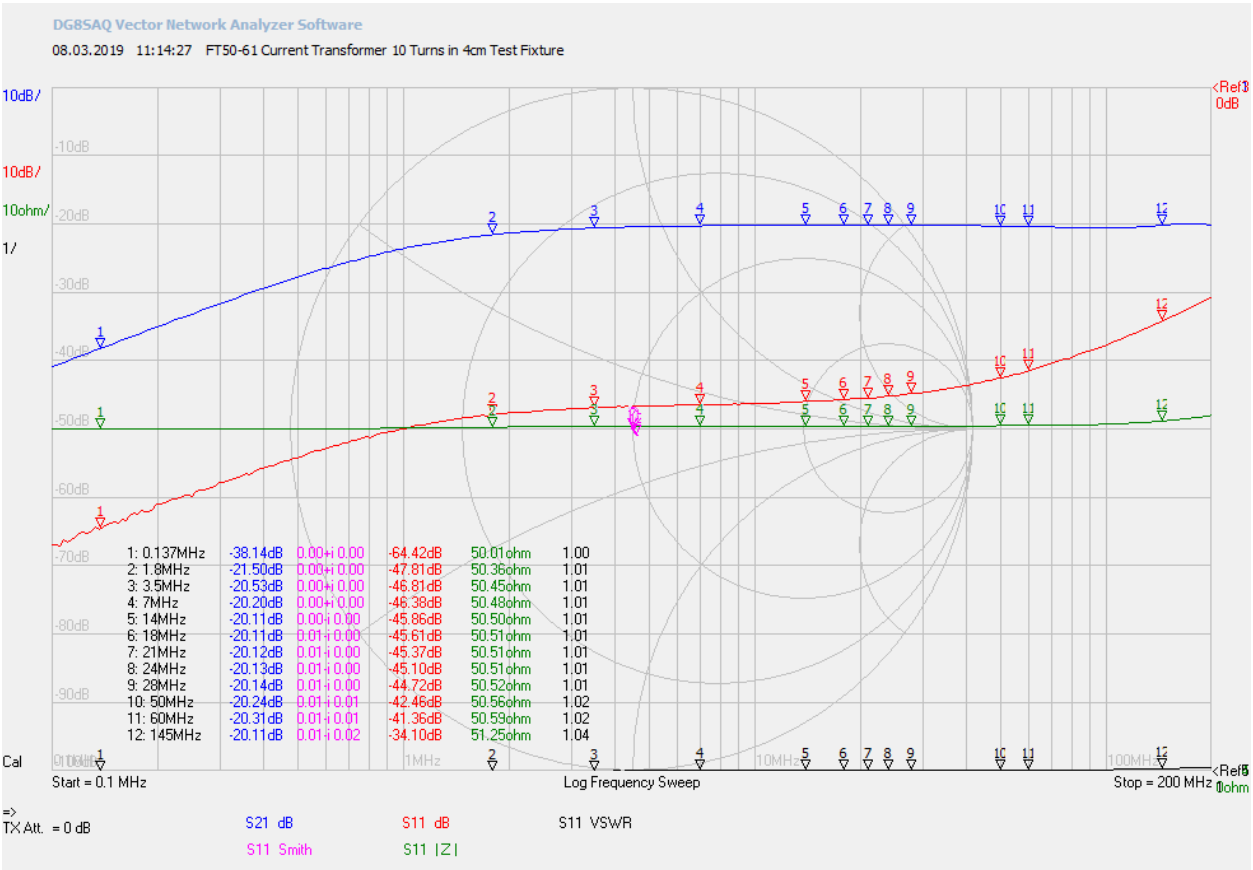

Fig. 2: Ferrite FT50-61, 10 turns, 20dB, modified test fixture, better than FT50-43 for VHF.

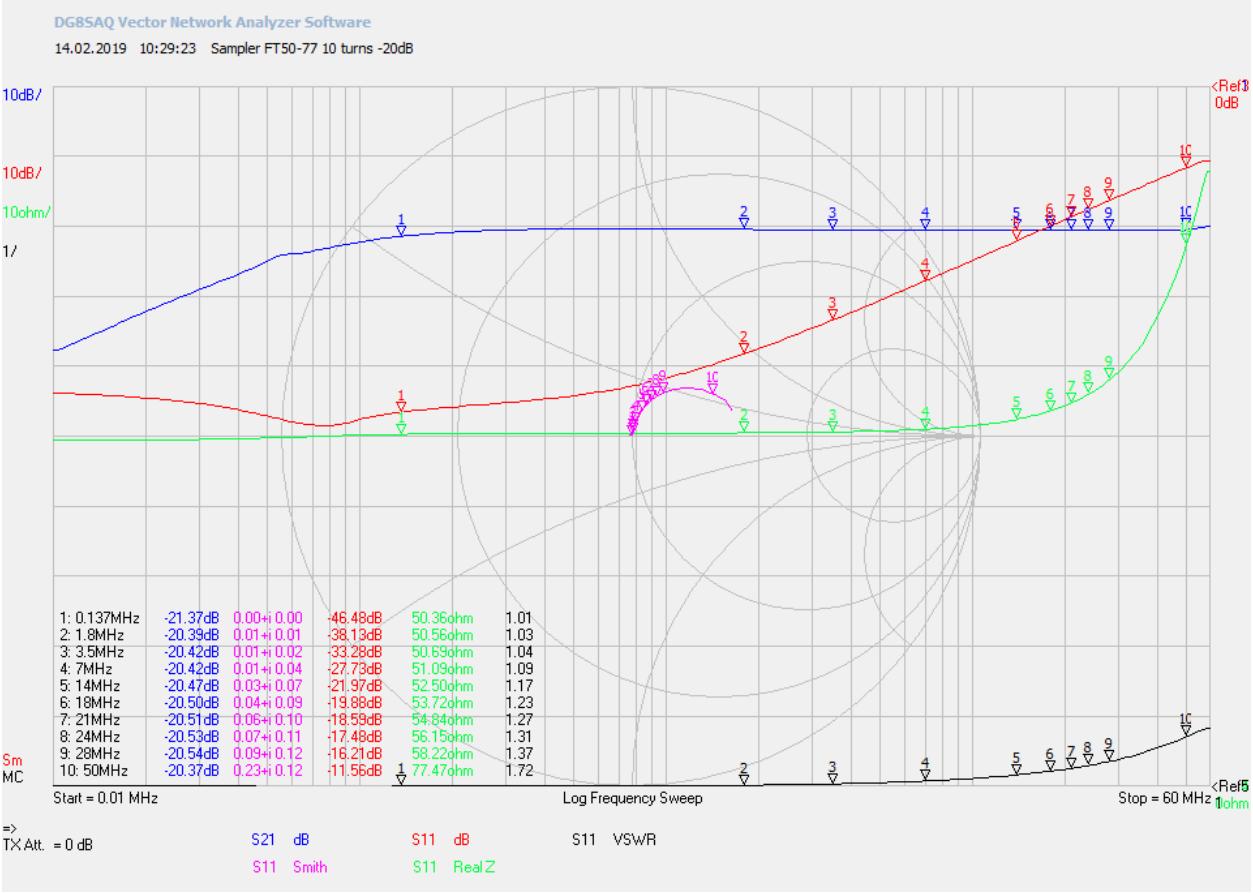

Fig. 3: Ferrite FT50-77, 10 turns, 20dB.

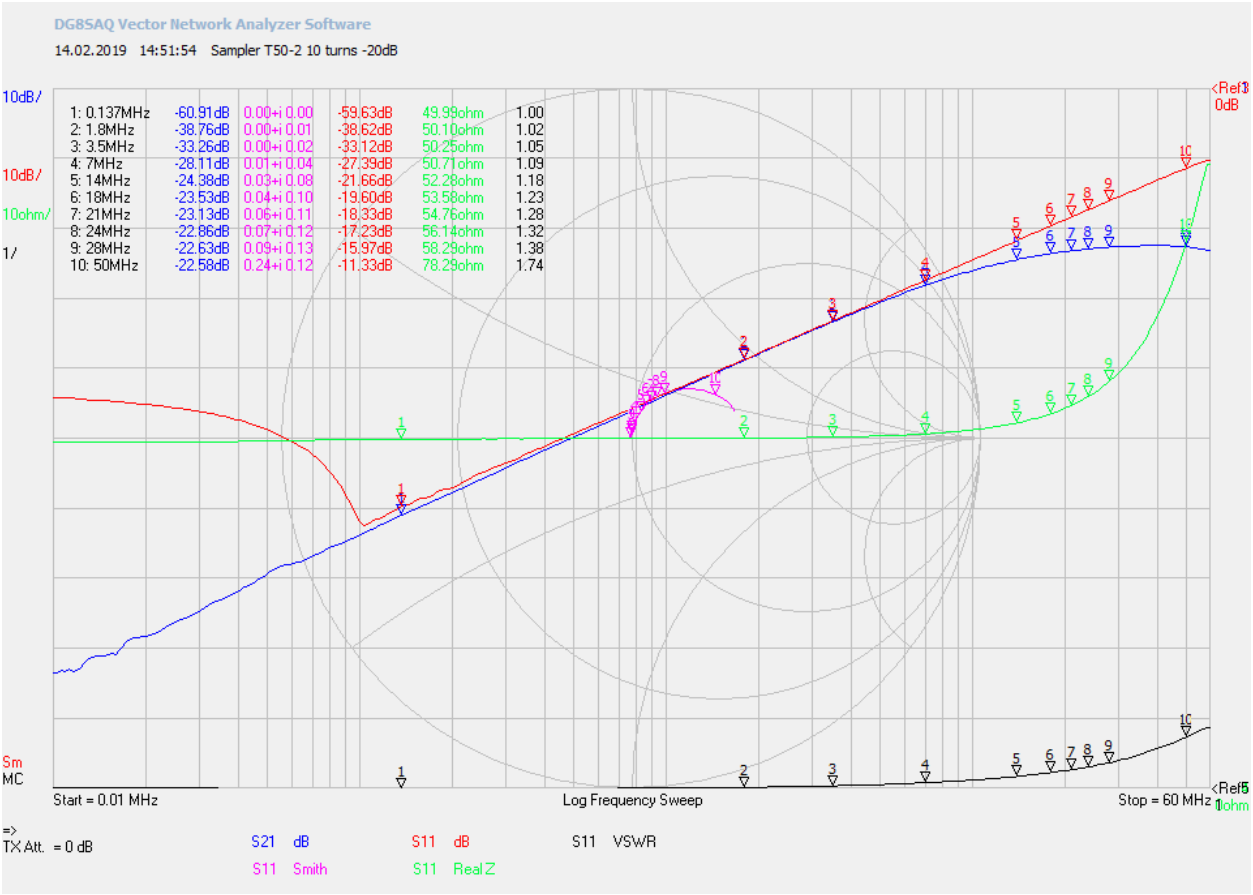

Fig. 4a: Iron powder T50-2 (red), 10 turns, 20dB.

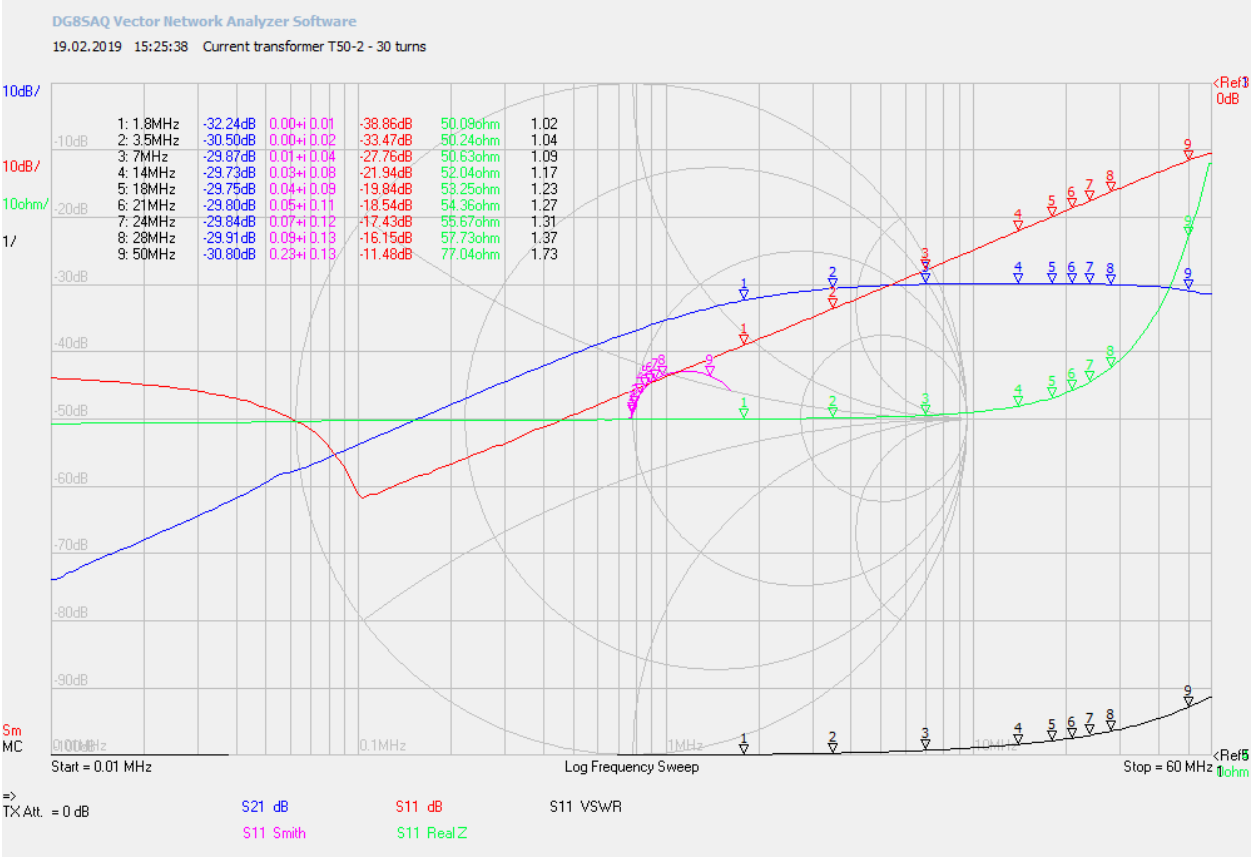

Fig. 4b: Iron powder T50-2 (red), 30 turns, 29.5dB. Better than Fig. 4a, but not really convincing.

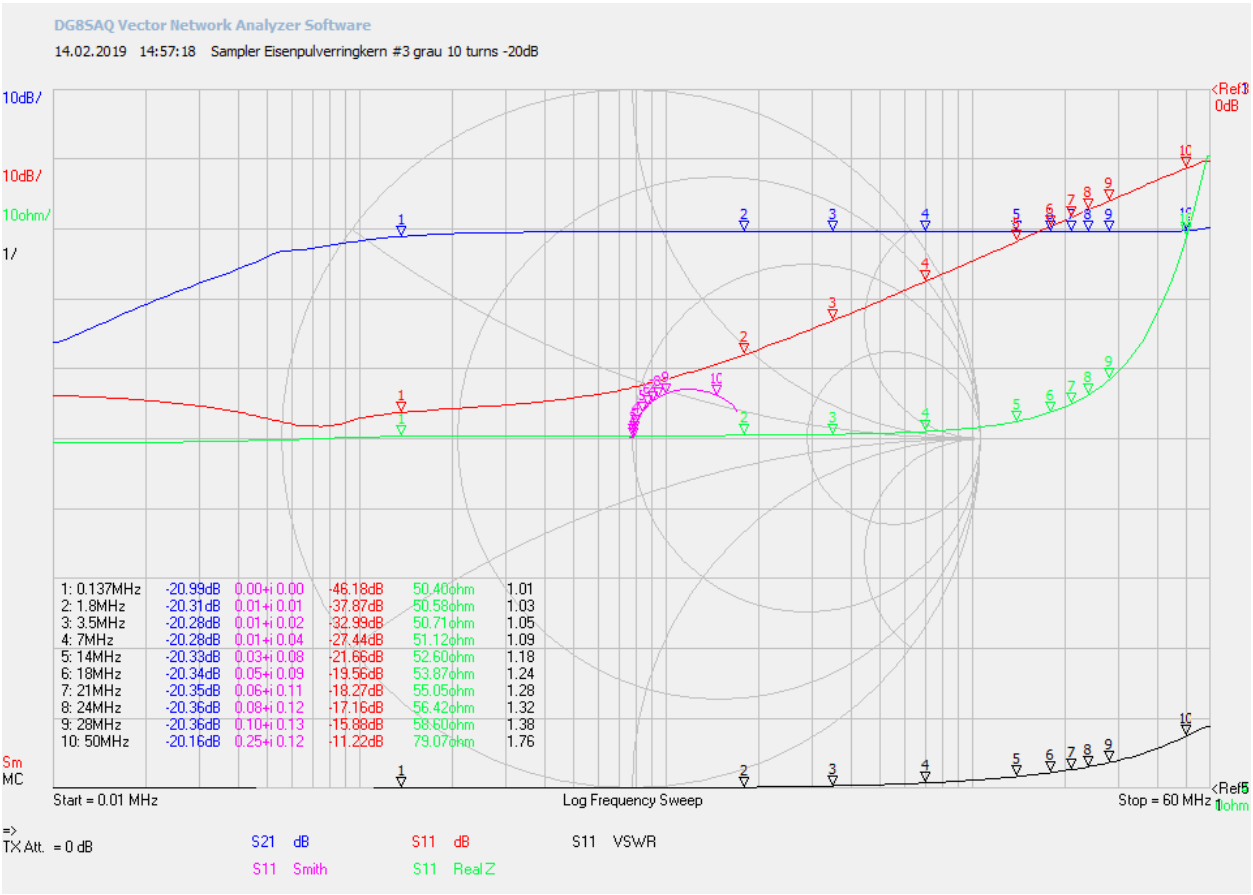

Fig. 5: Iron powder T50-3 (grey), 10 turns, 20dB.

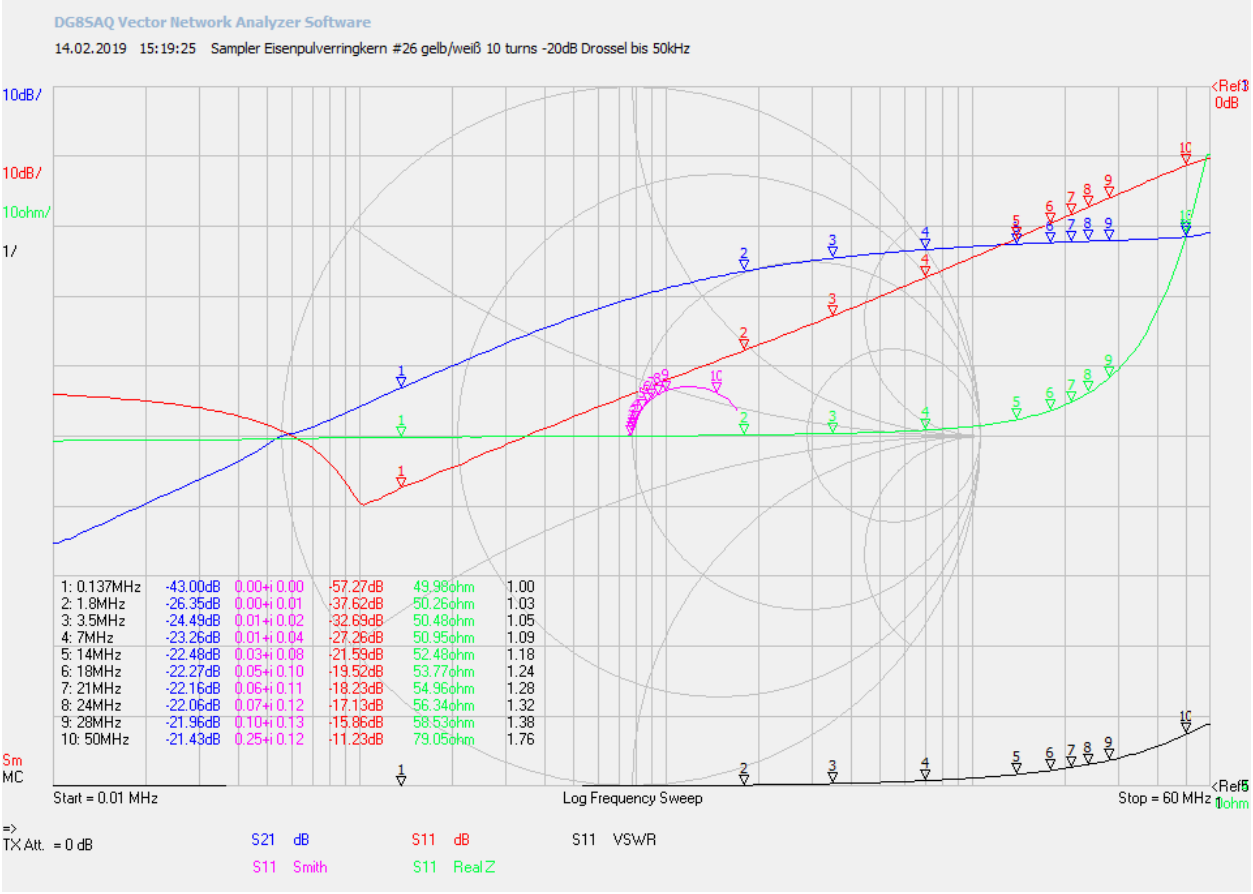

Fig. 6: Iron powder T50-26 (yellow/white), 10 turns, 20dB.

Some people use iron powder cores for current transformers. With these results: **please do not!**