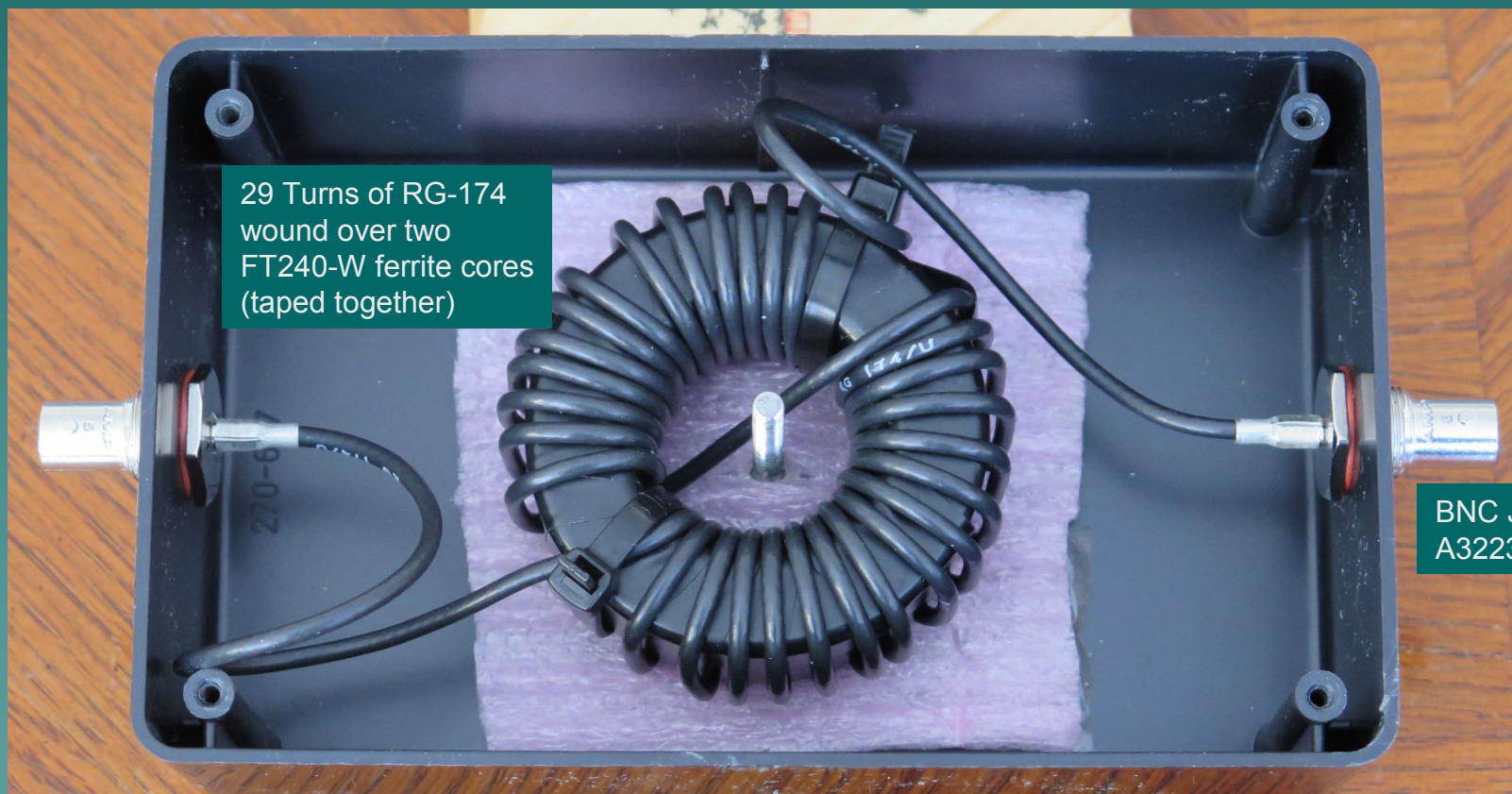


Low Frequency Balun Project

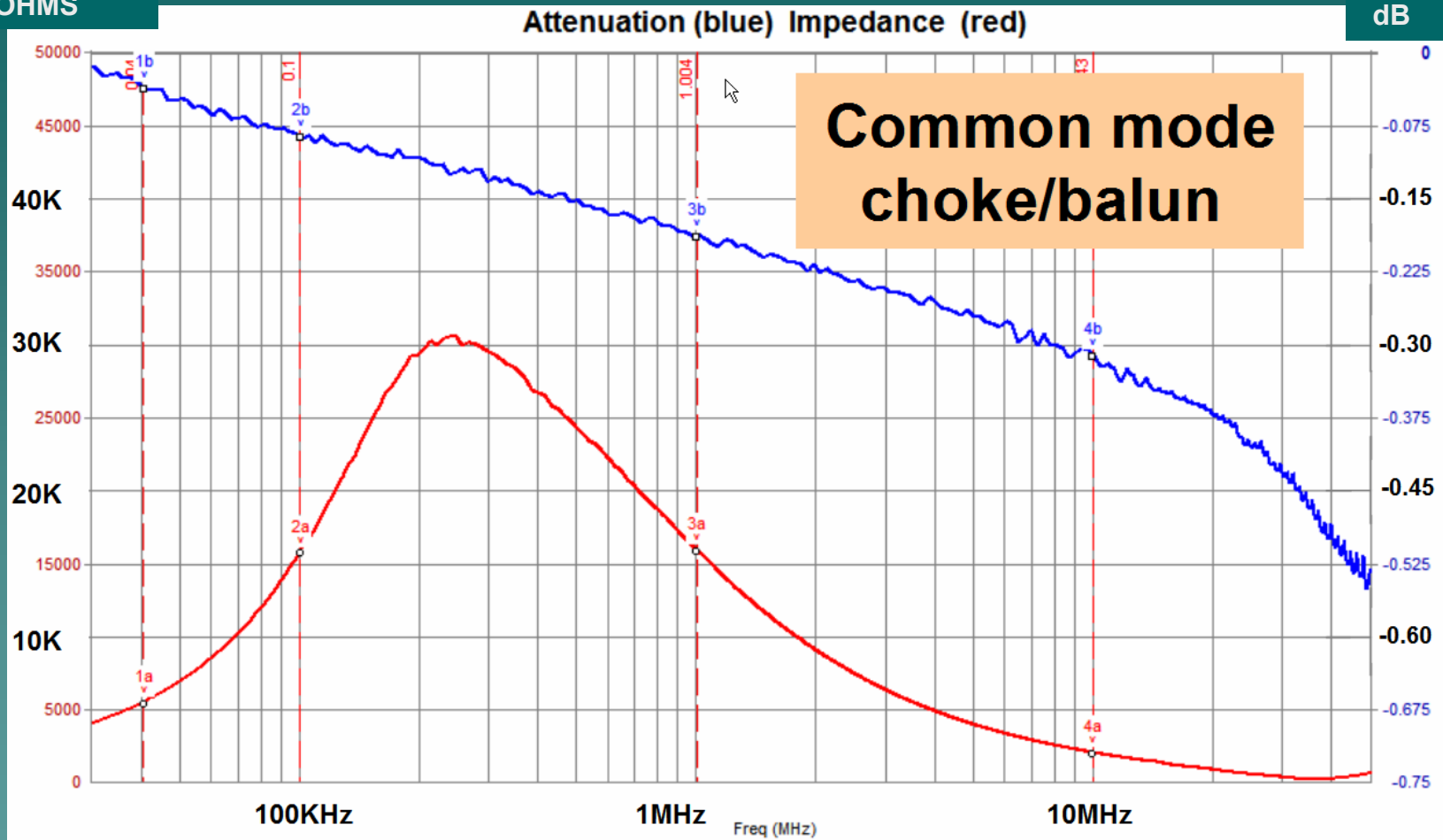
J. Audet VE2AZX
ve2azx.net



The balun is built in a plastic box.

Impedance
OHMS

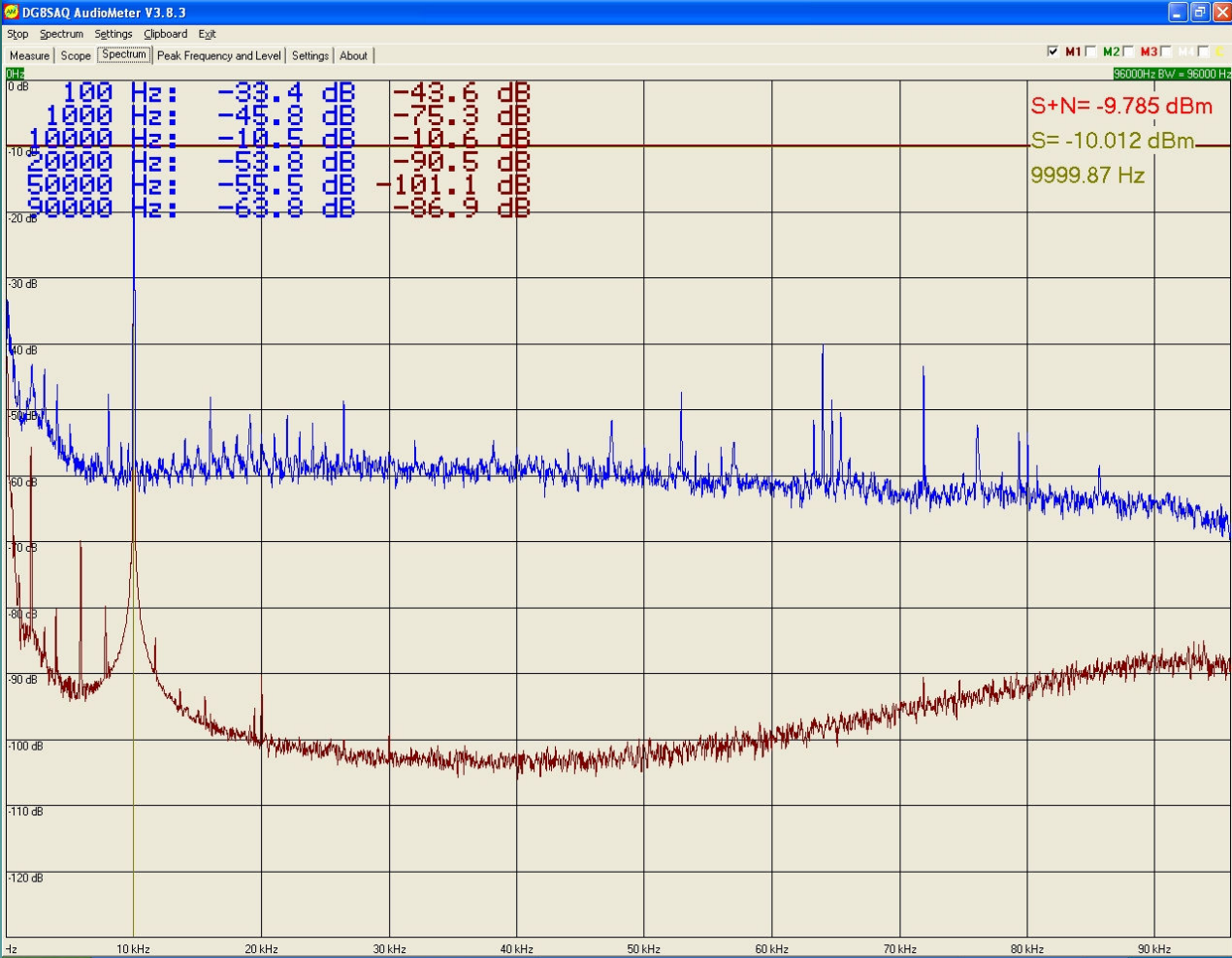
Loss
dB



The balun inductance as measured between the shields is about 23 milliHenry at 1 KHz.
This gives an impedance of 9 ohms at 60 Hz, enough to decrease the effects of ground loops at that frequency !

Eliminating Ground Loops & Switching Supply Noise

SMHU-58 AF generator set at 10 KHz feeds the soundcard



Measured spectrum from 1KHz to 96 KHz WITHOUT BALUN

Measured spectrum from 1KHz to 96 KHz WITH THE LF BALUN connected Between the sound card and the generator