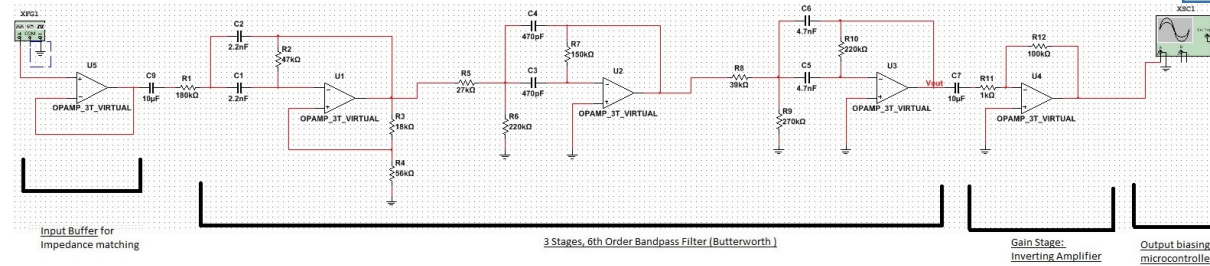


name	
Op-Amp	LM741
Resistors (k Ω)	180, 18, 47, 56, 27, 220, 150, 39, 270, 220
Capacitors	2.2uF, 2.2nF, 4 x 470pF, 2 x 3.3nF
Wire	Single core copper wire for coil antenna

Problems

- When you coil the wire, one end goes to the input of the buffer for impedance matching, however the output of the buffer is distorting the signal
 - Solution: using the bandpass filter it will get rid of all the noise frequencies
- DC Biasing needs to be accurate
 - Solution: test with POT with the correct signal on oscilloscope.
- Not having correct value components and tolerances.
 - Solution: Work with parallel/serial configurations to get the most accurate value possible.

current in the second wire – the output of which can be seen in the oscilloscope



Cursor	
V (vout-2)	
x1	296.2979
y1	-1.2539
x2	5.0063k
y2	-2.6925
dx	4.7100k
dy	-1.4285
dy/dx	-303.3020u
1/dx	212.3149u

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Software

- ADC – i
- Pseudo
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