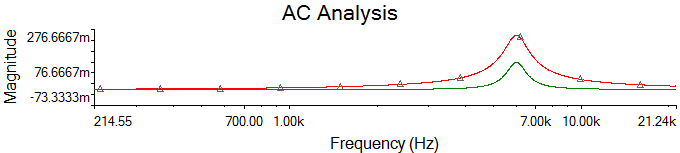
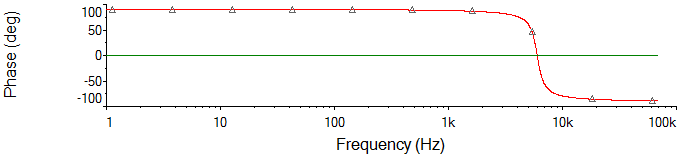
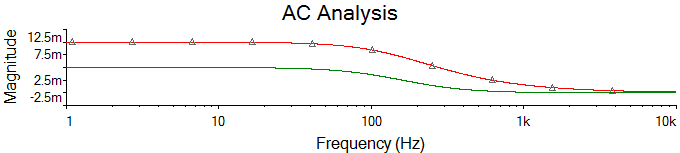
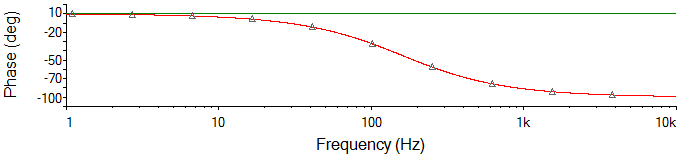
Circuit A:

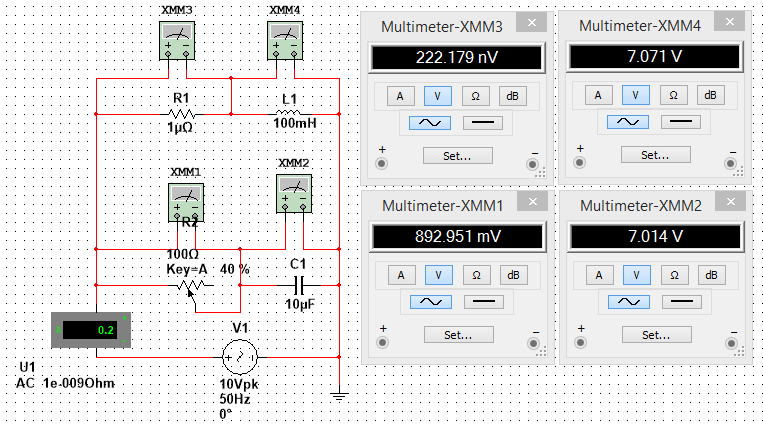


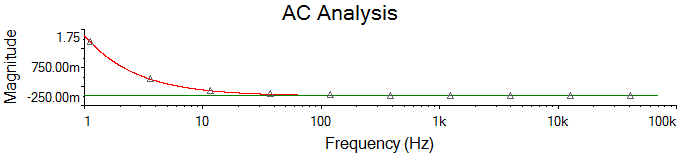


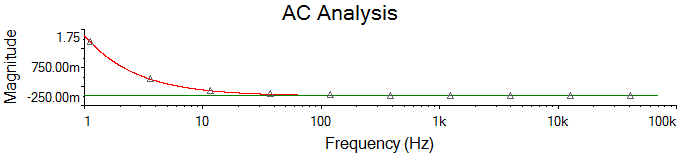
Circuit B:

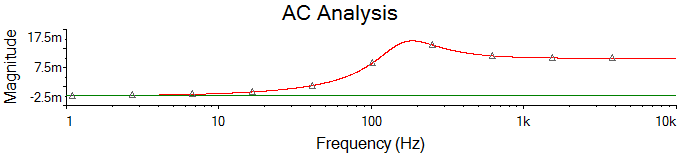


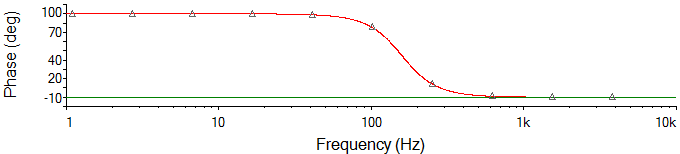
Circuit C:







Circuit D: 



|  |  |
| --- | --- |
| Magnitude of Phase(deg) | Nature of circuit |
| >0 | Inductive |
| =0 | Resistive |
| <0 | Capacitive |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Circuit | Resonance frequency(Hz) | Half Power frequency | | Band width | Q – factor(fr/BW) | Parameters at resonance | | | |
| F1(Hz) | F2(Hz) | Current(A) | Vr(V) | Vl(V) | Vc(V) |
| A | 6.0033k | 5.4329k | 6.6342k | 2.5015k | 2.4 | 5.968m | 23.874m | -98.705n | -1.39m |
| B |  |  |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |  |  |
| D | 185.2788 | 114.9846 | 841.6941 | 726.7095 | 0.25 | 24.764m | (1 Ohm)  24.764m | 751.028m | 7.781 |
| (100 Ohm)751.028m |