**Pre-Lab 9:**

**BJT Amplifier Design**

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ECEN 325 Section 514

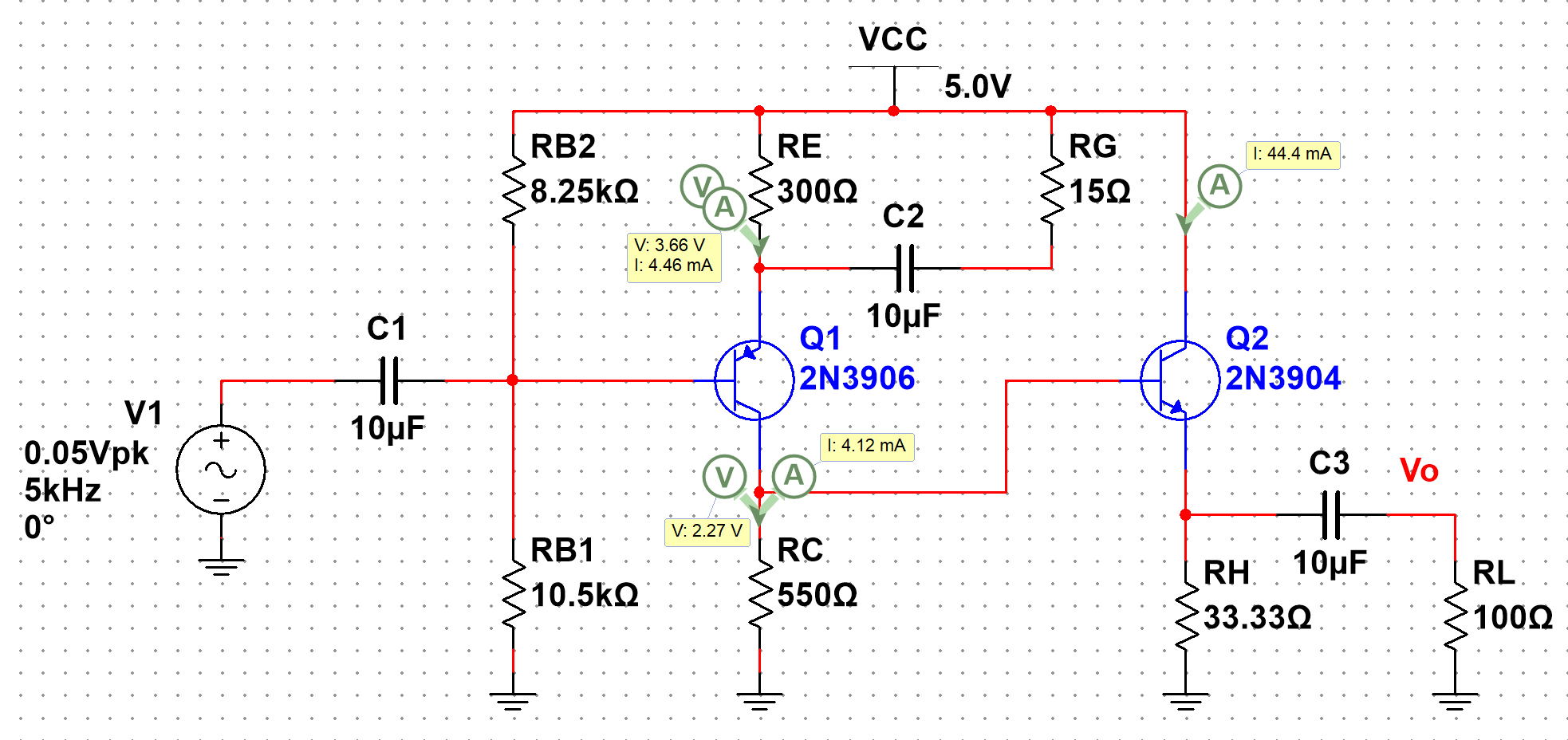
TA: Mandela

Date: November 1, 2019

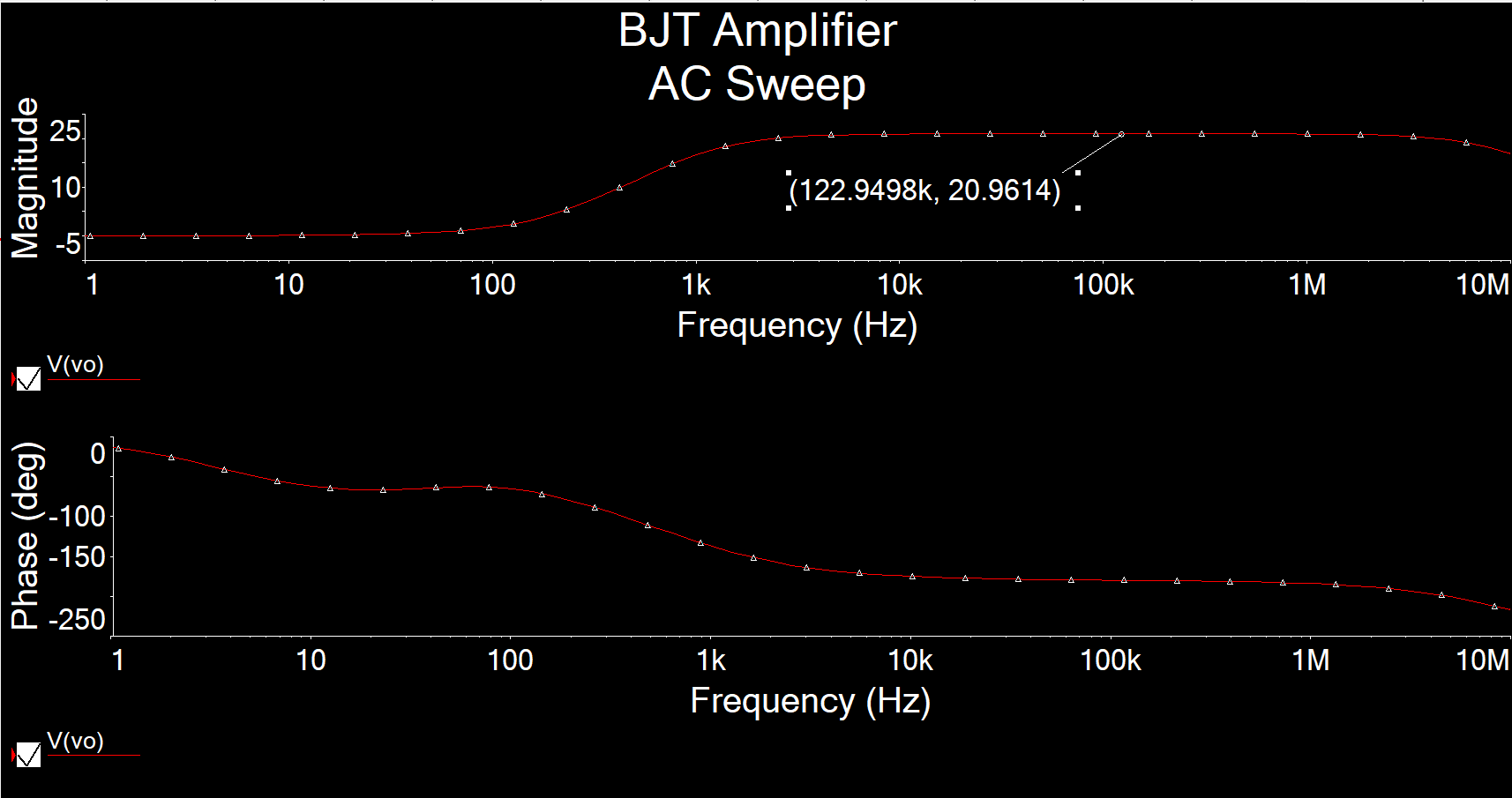
**Calculation**



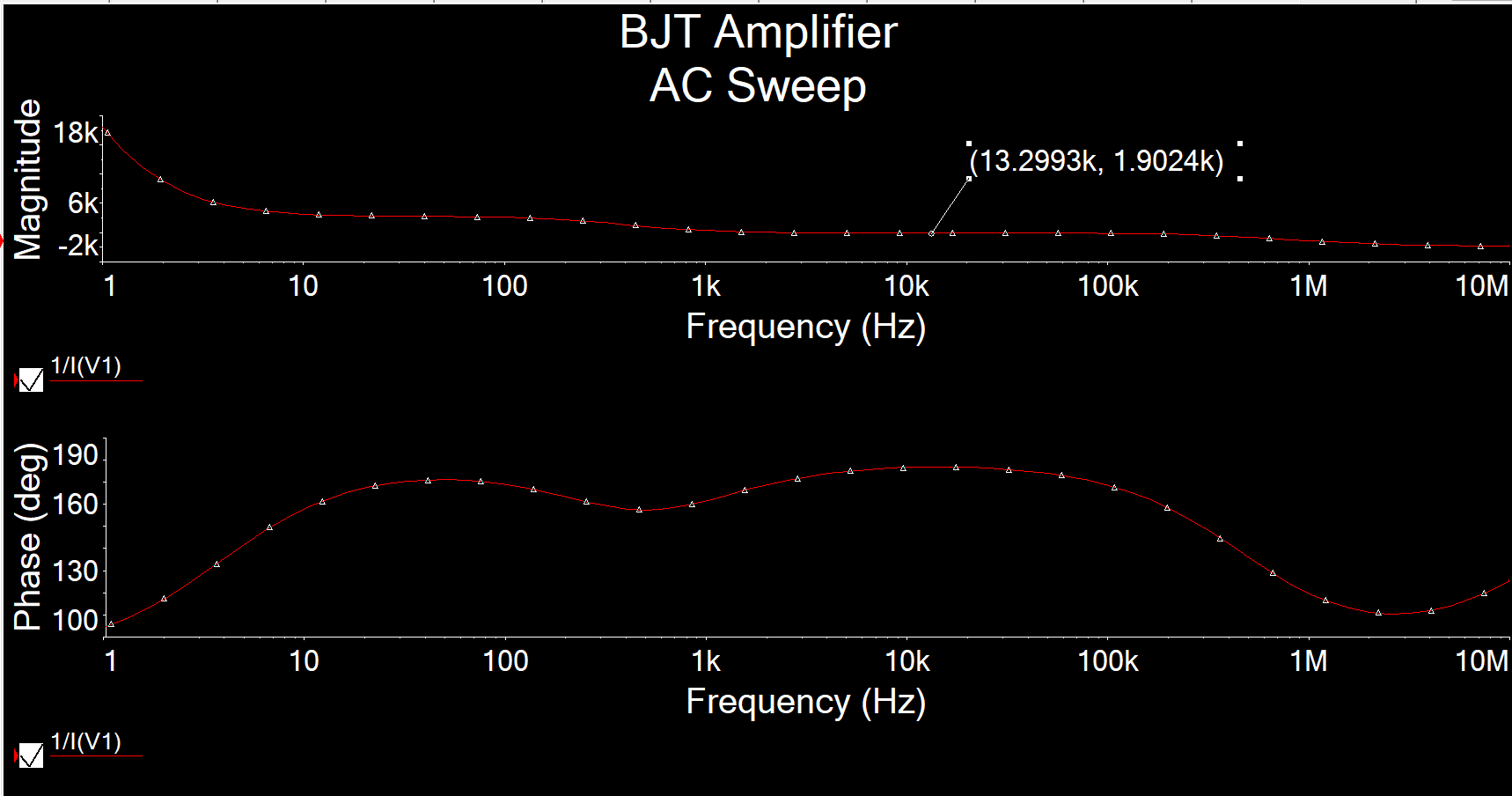
**Simulation**



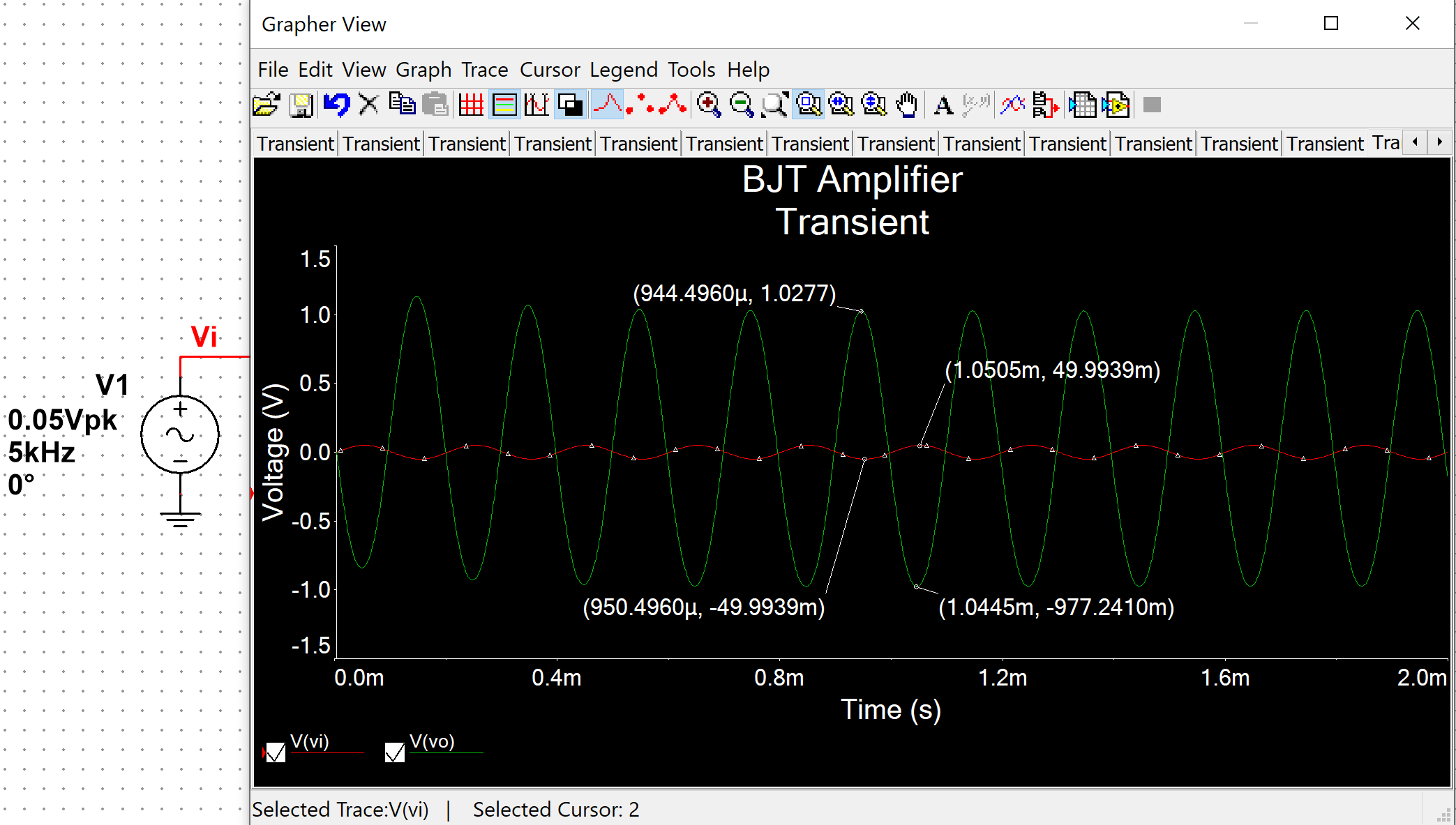
**Figure 1:** DC solutions



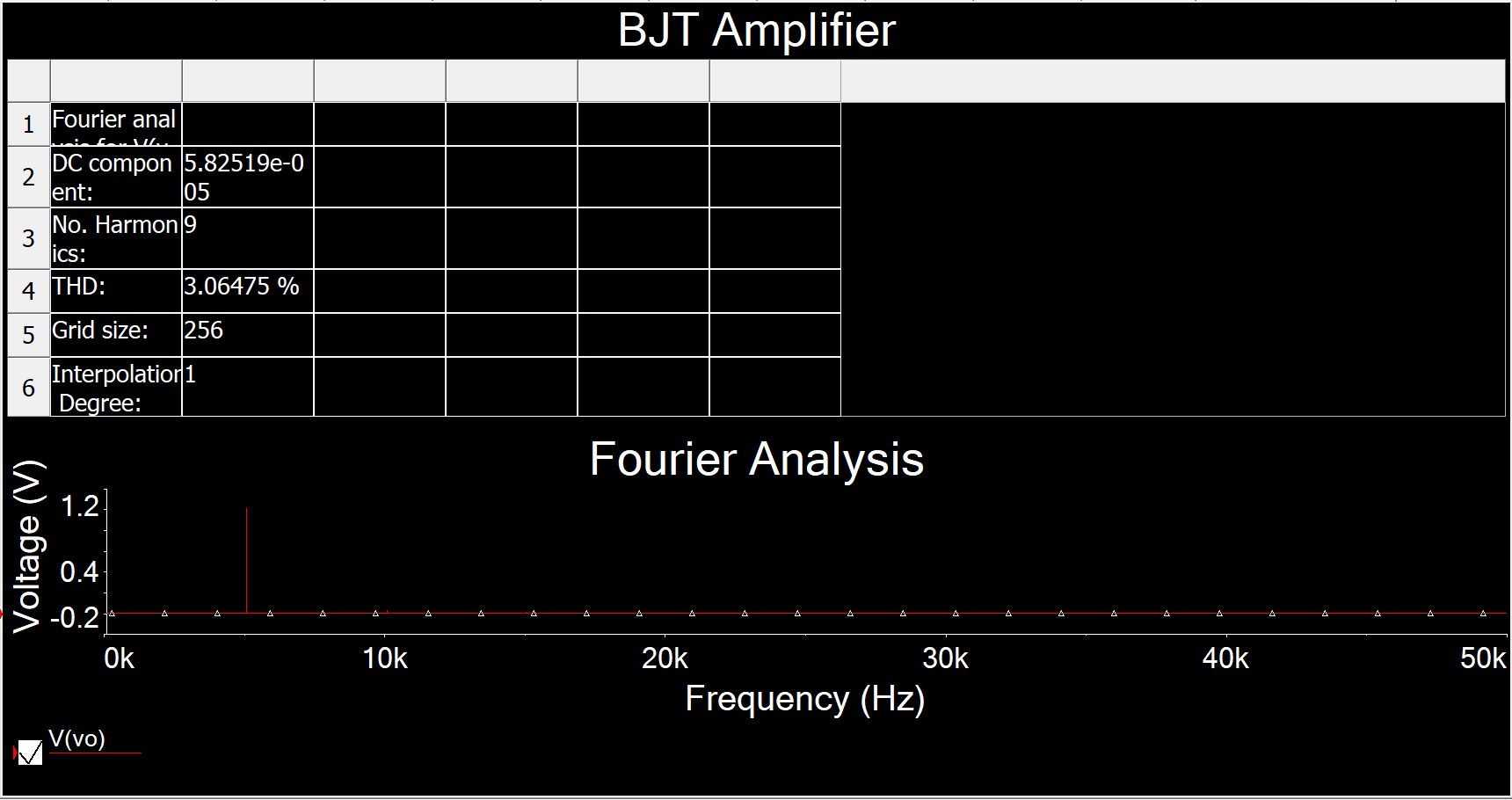
**Figure 2-1:** AC Simulation of Av



**Figure 2-2:** AC Simulation of Ri



**Figure 3:** Time-domain waveform



**Figure 4:** THD

THD = 3.06% which is less than 5%