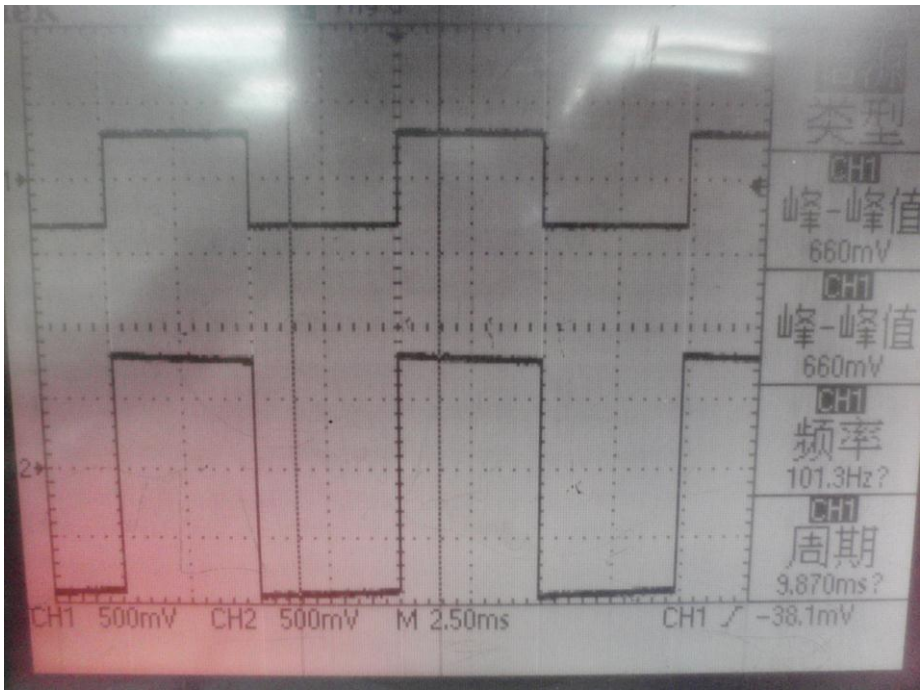
Test on Lehmann Amplifier

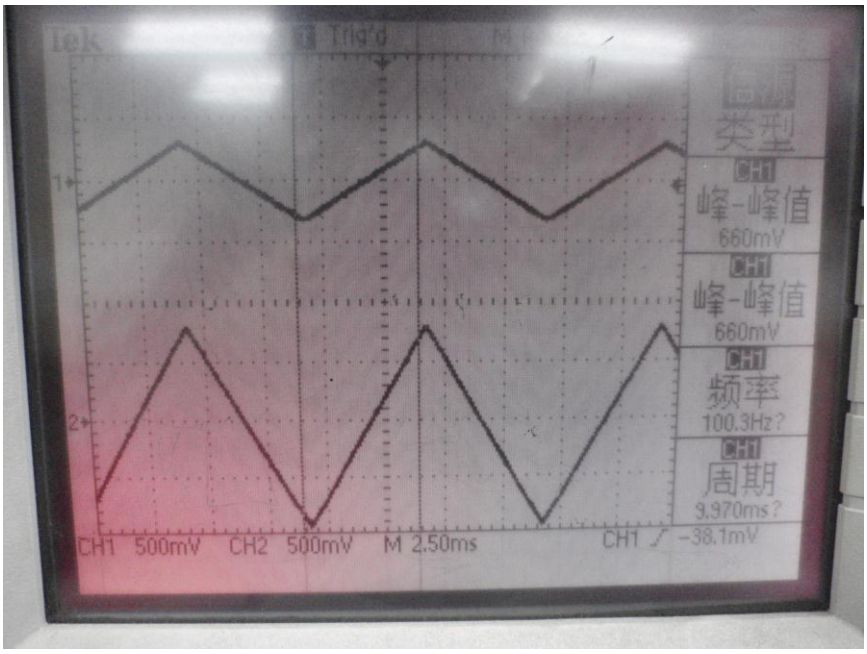
We input several kinds of wave of various frequencies to this module. And then we test what we got after the module. We get both the source wave and the after-wave on the same screen.

The above is the source wave and the below is the wave from this amplifier.

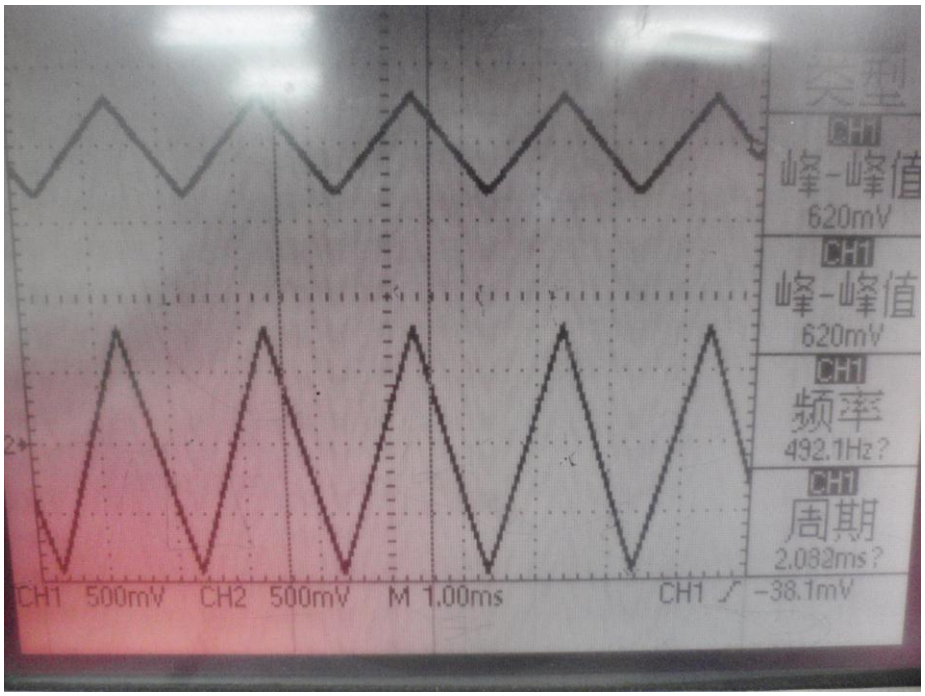
(1) 100Hz Square Wave



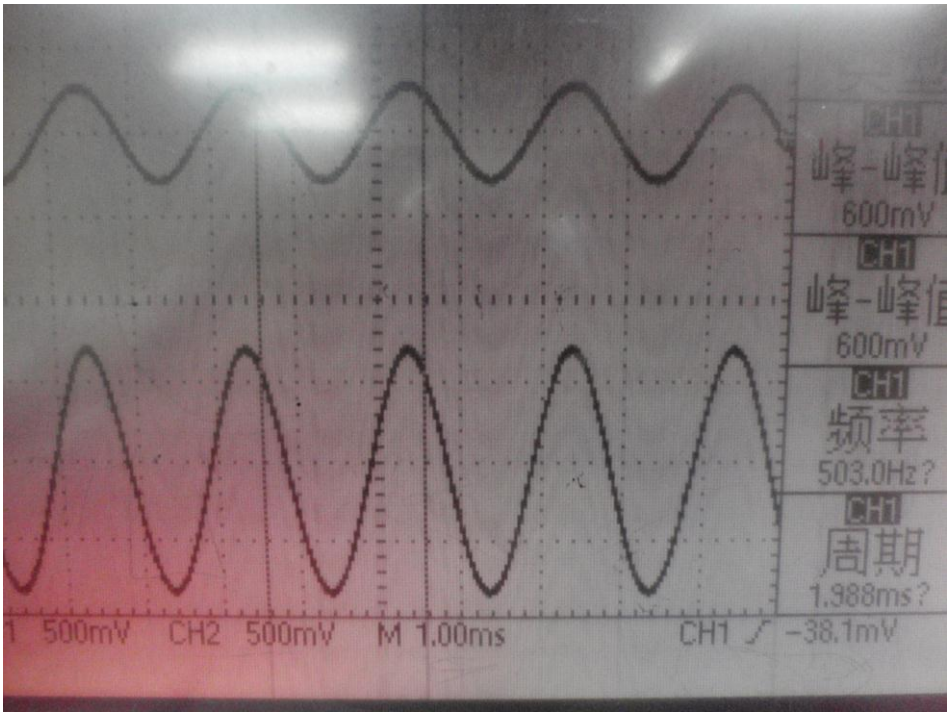
(2) 100 Hz Triangular Wave



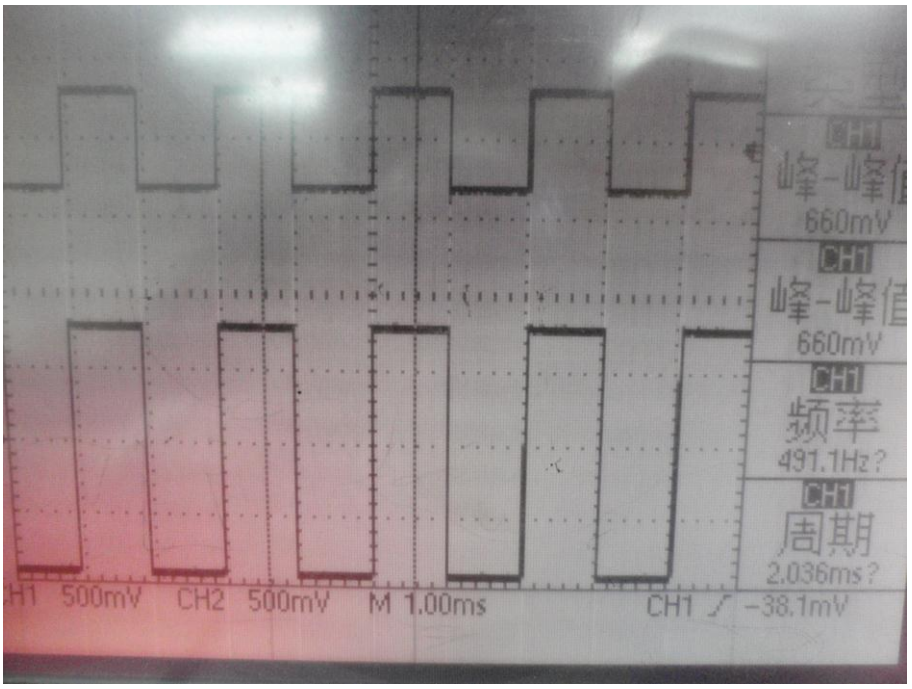
(3) 500Hz Triangular Wave



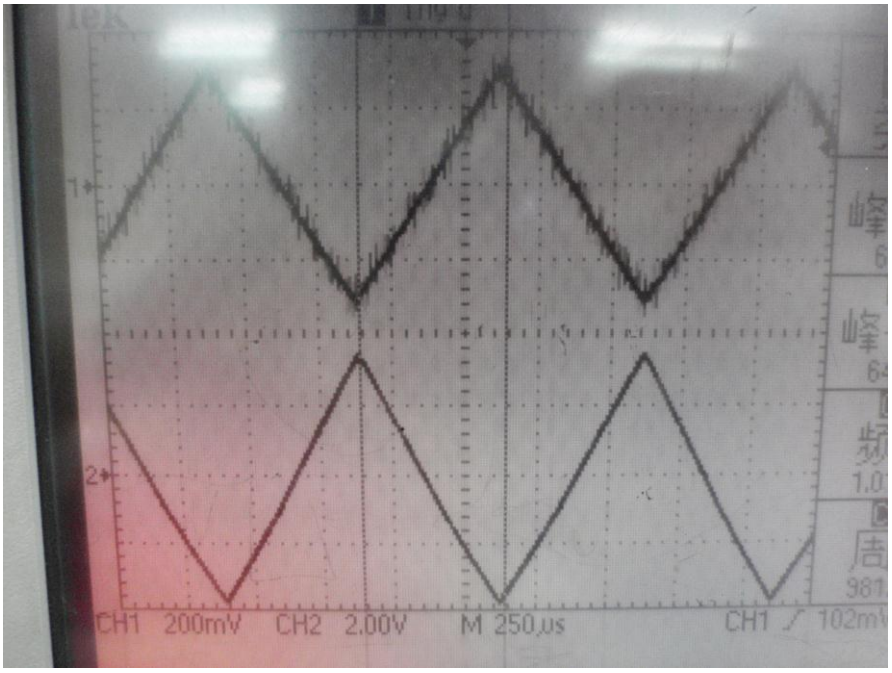
(4) 500Hz Sine Wave



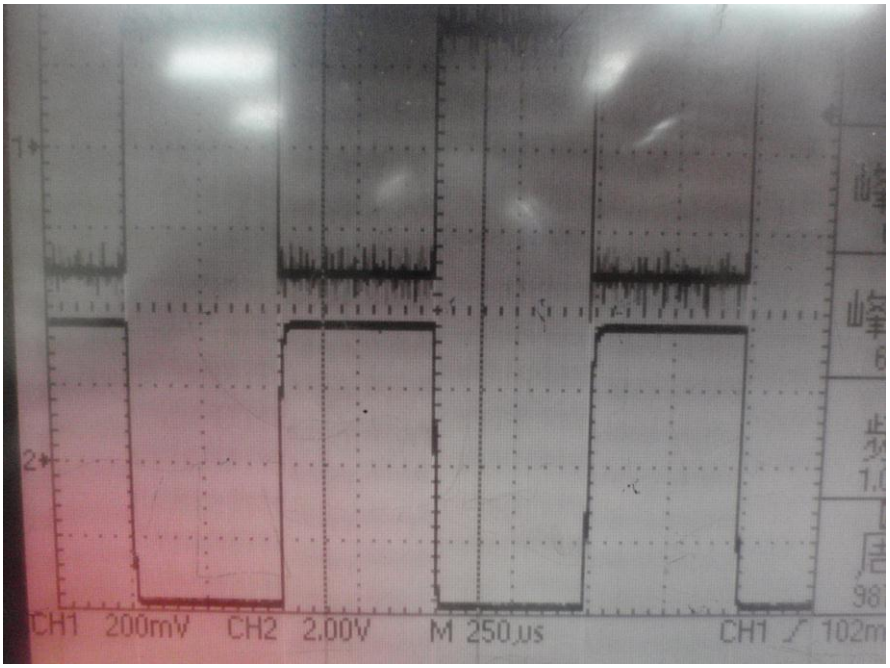
(5) 500Hz square wave



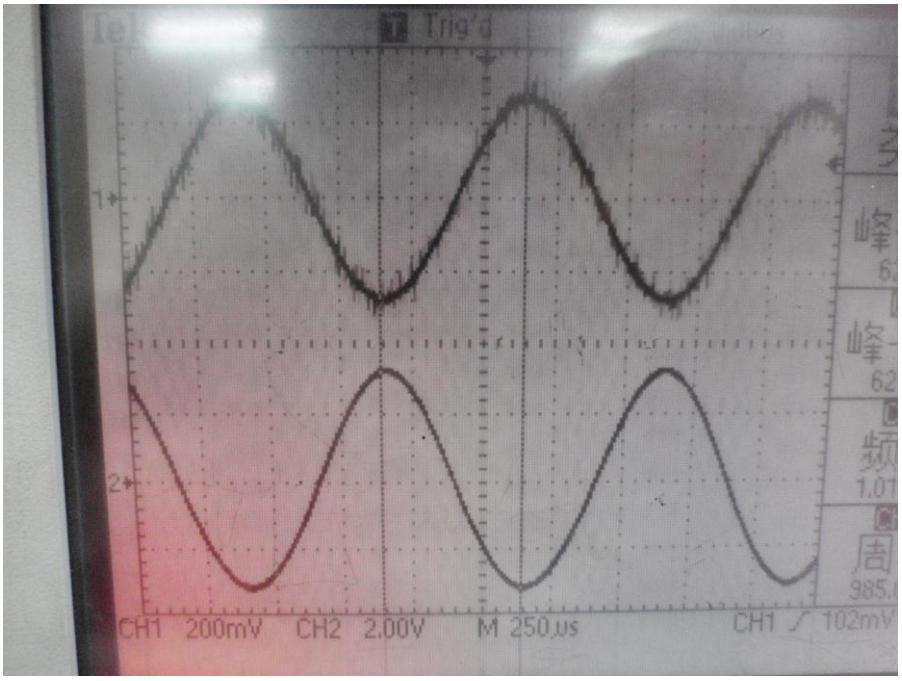
(6) 1KHz triangular wave



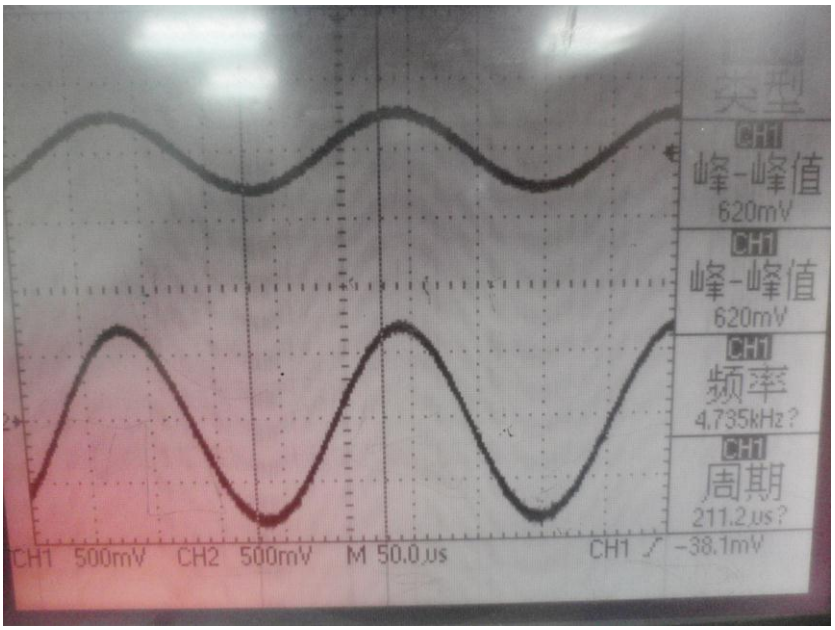
(7) 1KHz square wave



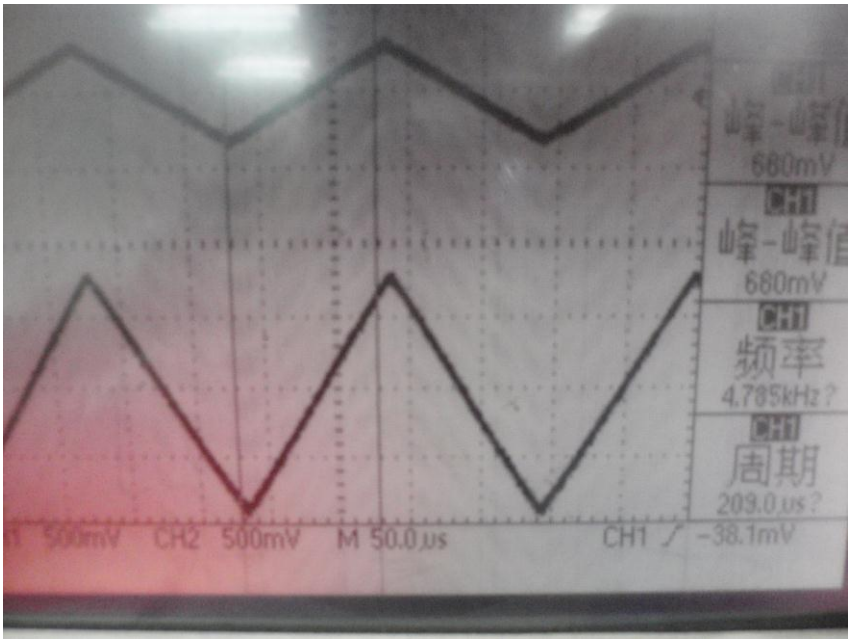
(8) 1KHz sine



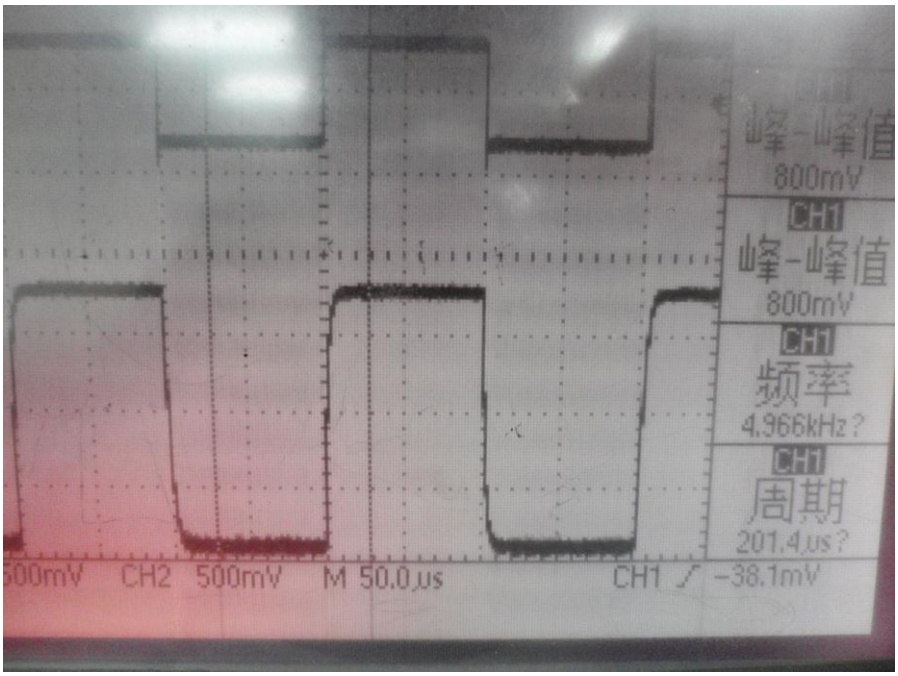
(9) 5KHz sine



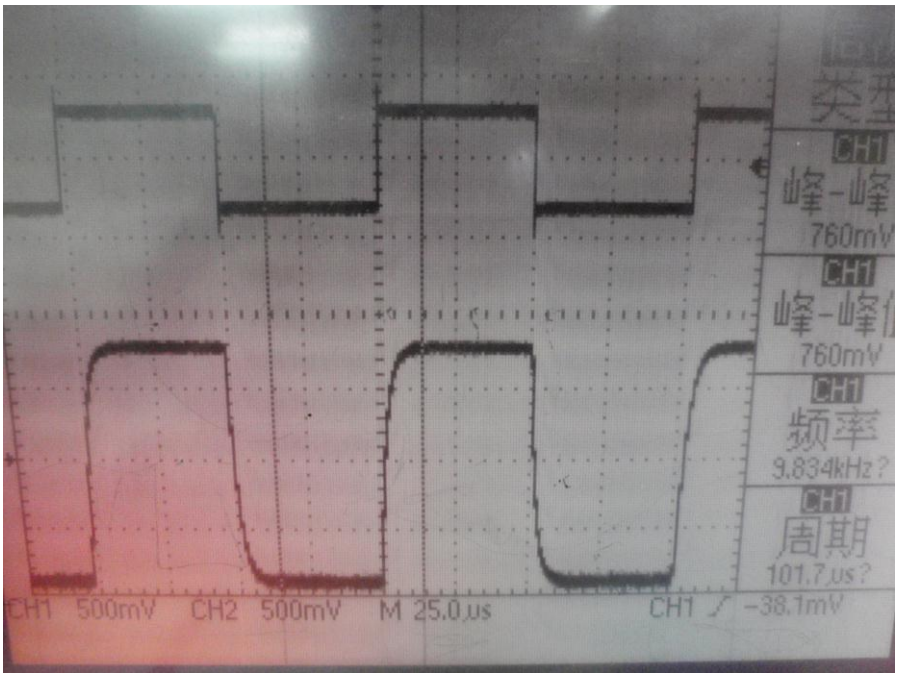
(10)5KHz triangular wave



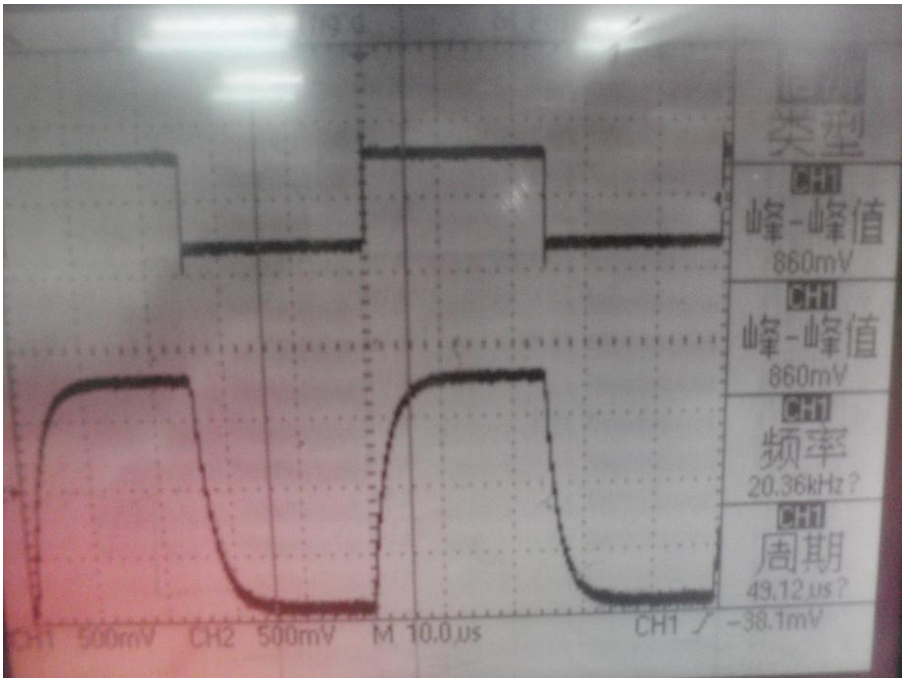
(11)5KHz square wave



(12)10KHz square wave



(13)20KHz square wave



As we can see from Figure 6, 7 and 8, this amplifier module has the obvious effect of removing high frequency noise. And it performs very well on intermediate frequency.

20Khz is the human auditory limit. We know seldom music contains such high frequency. As is shown in Figure 13, even in 20KHz this amplifier module also has a good high-frequency response.

As is seen from Figure 1, 2 and 3, and this amplifier module also has exceptional performance on low-frequency extension. On the low frequency, the magnification doesn't decline. There is not any distortion on the signal.

So we can see this module has good performance on treble, median and bass.

Of course, we also test it with HIFI player and headphone. Fortunately, this module really meets our expectation.