

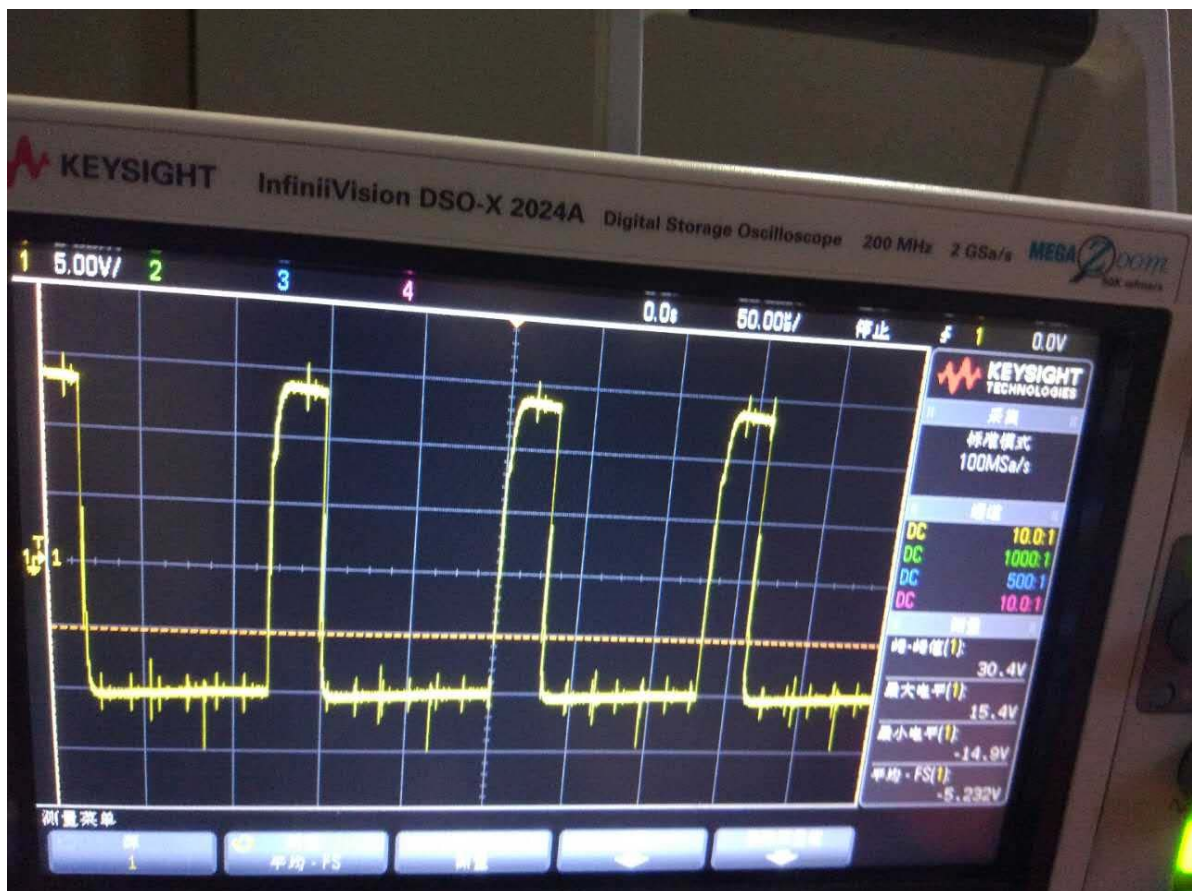
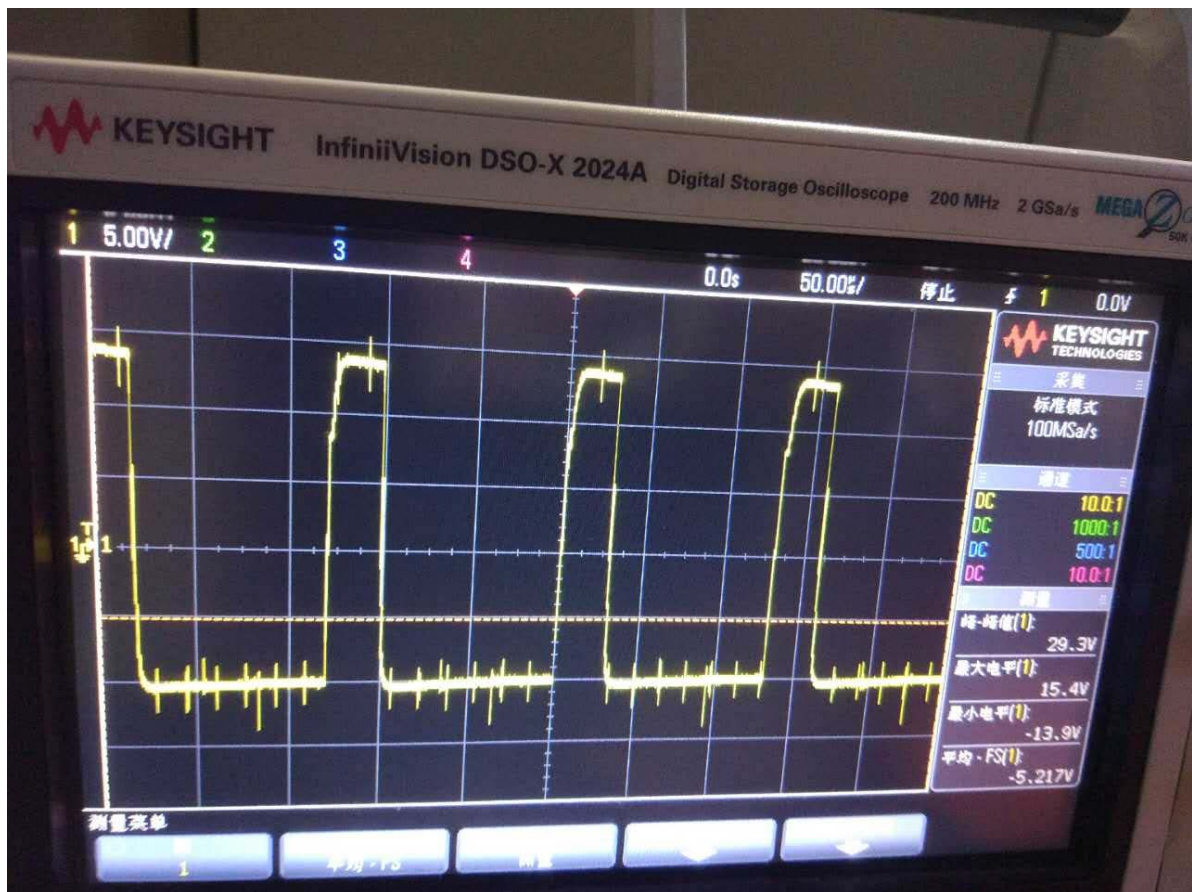
Reply to the Question

Dear engineer,

Thank you for your side of the problem with our help, I reply directly inside that does not seem to be successful, for which I can only re-edit WORD format, I hope you forgive me. The following is a series of test waveform images that I provide, please refer to.

1、





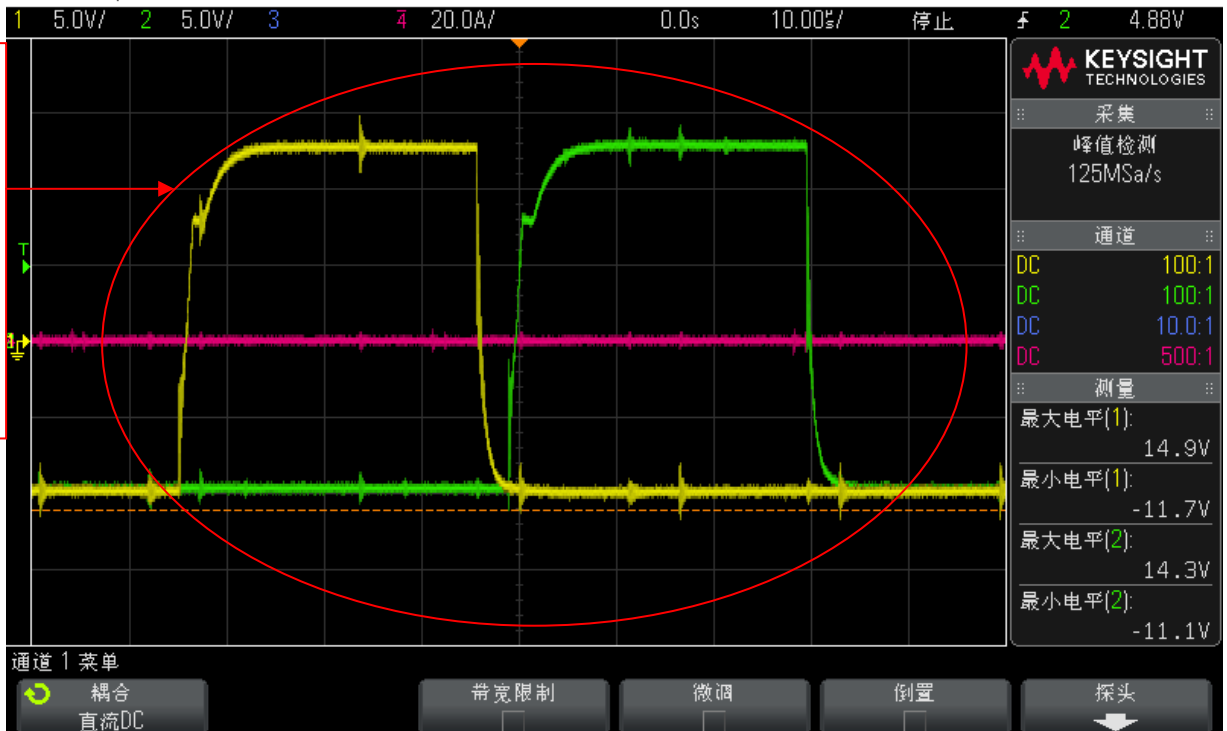
The above three pictures are the test G, S-side waveform.

2、IGBT drive waveforms.

DSO-X 2024A, MY56041876: Tue Dec 05 14:38:47 2017



DSO-X 2024A, MY56041876: Tue Dec 05 14:39:01 2017



The first picture in the expansion, is actually the same picture.

Channel 1: VT4: 4-5, Channel 2: VT4: 6-7, Channel 4: IGBT primary current. Input voltage is 0, the whole test waveform alone.

3、Input voltage is 750V, the whole load test waveform.

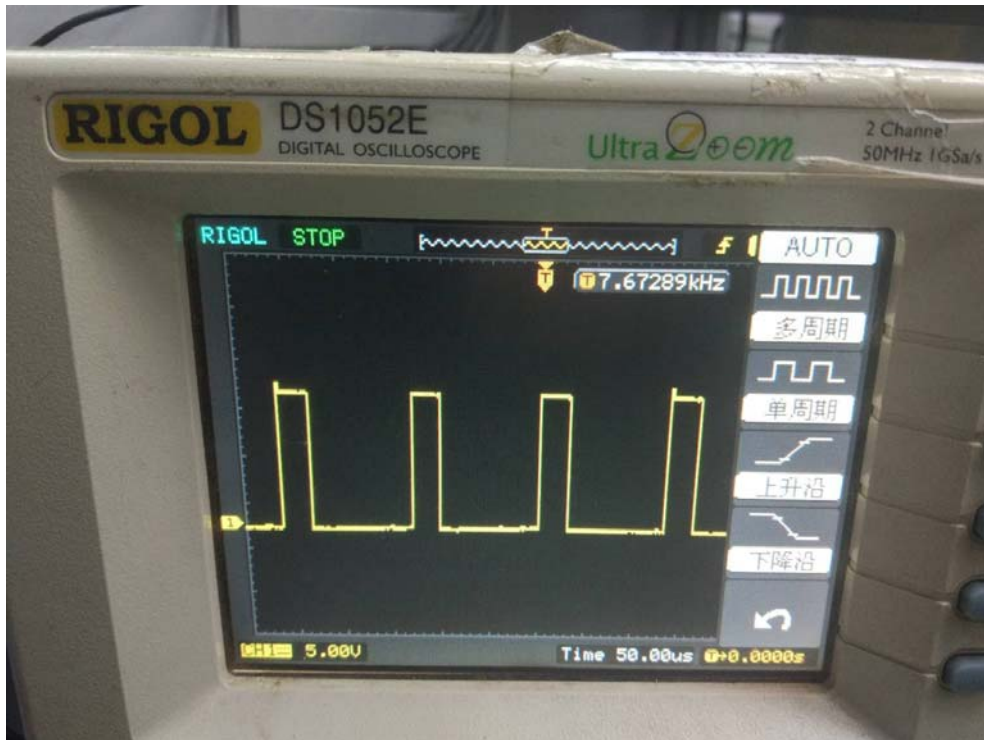
DSO-X 2024A, MY56041876: Wed Dec 06 13:38:32 2017

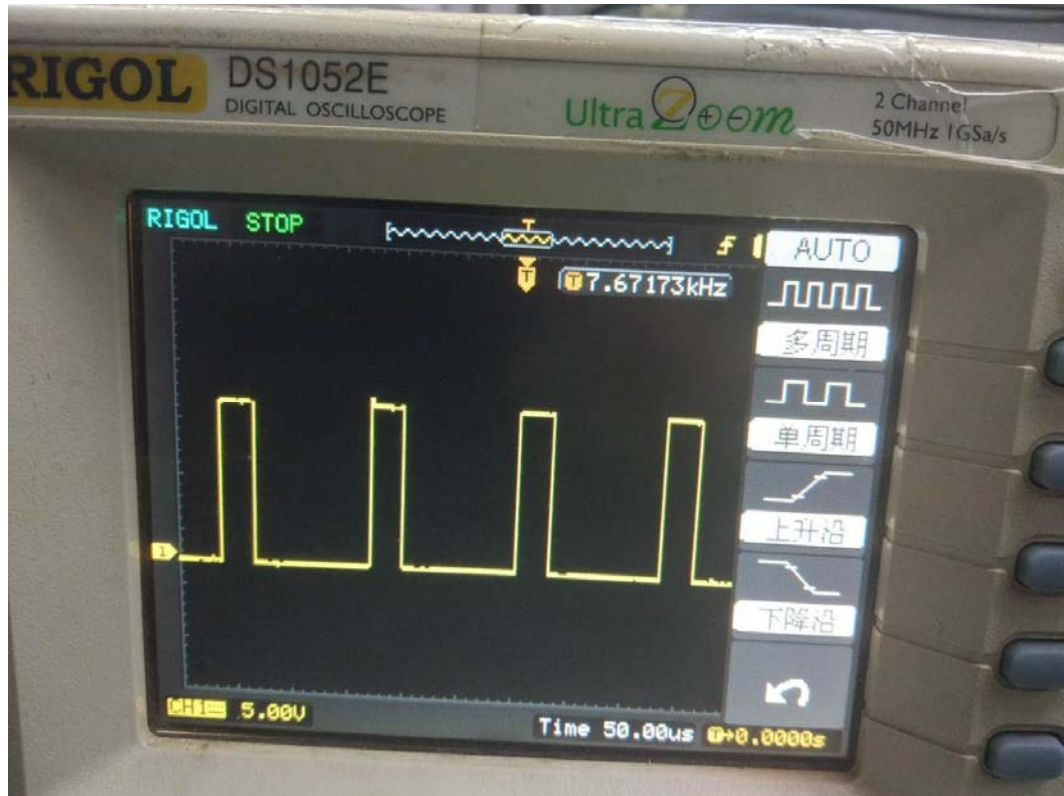


NOTE: The output is added 20KW resistance.

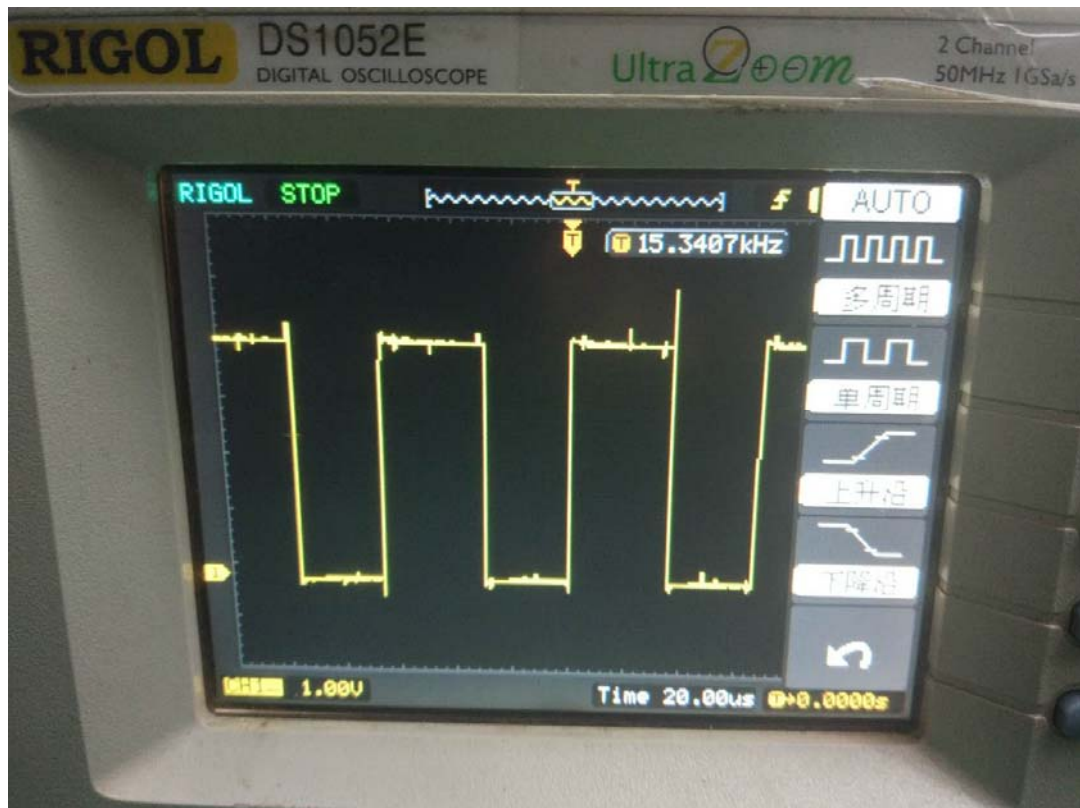
NOTE: U1 1,2 feet waveform temporarily not tested.

4、The following is OUTA, OUTB side of the output waveform, which is 12 feet to 11,14 feet.





The following is the 12-foot 4-pin waveform:



Problem:

- 1, may I ask engineers also need pictures of those places?
- 2, from the current picture provided, you can determine the circuit design defects? Or G, S-side output is not due to UC2525BN caused?
- 3, analysis of the project is there a specific designated e-mail it? Do you have someone to analyze and solve for our problems? If I reply directly in the mailbox inside, in the bottom of the window to reply particularly slow and less flexible. There is no place to upload attachments.
- 4, can analyze and explain G, S end without output waveform is not caused by UC2525BN?

Thank you for your help, thank you very much. If you still need me to provide other information please explain in time.

OUTB of the [UC2525A](#)

OUTA of the [UC2525A](#)

U3 pin1

U3 pin2

From G2 to S2 of the IGBT


Please feel free to post screenshots here, if you don't want to do that then you may send them to me directly.

Regards

Colin

[UC2525A](#)

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UC2525A: UC2525BN QUERY



Star Xu



Intellectual 1030 points

TI Employee

Part Number: [UC2525A](#)

Hi

My customer has some query with UC2525BN.

The schematic as below.

UC2525BN Chip Issues Advice

