

LM2676 FB pin's waveform without C7

Without C7, the voltage of FB pin, the initial FB pin voltage, see Fig.1.



Fig.1 FB pin voltage without C7 at initial state

As the output voltage setting is higher and higher, the output waveform becomes more and more intensive. See Fig.2

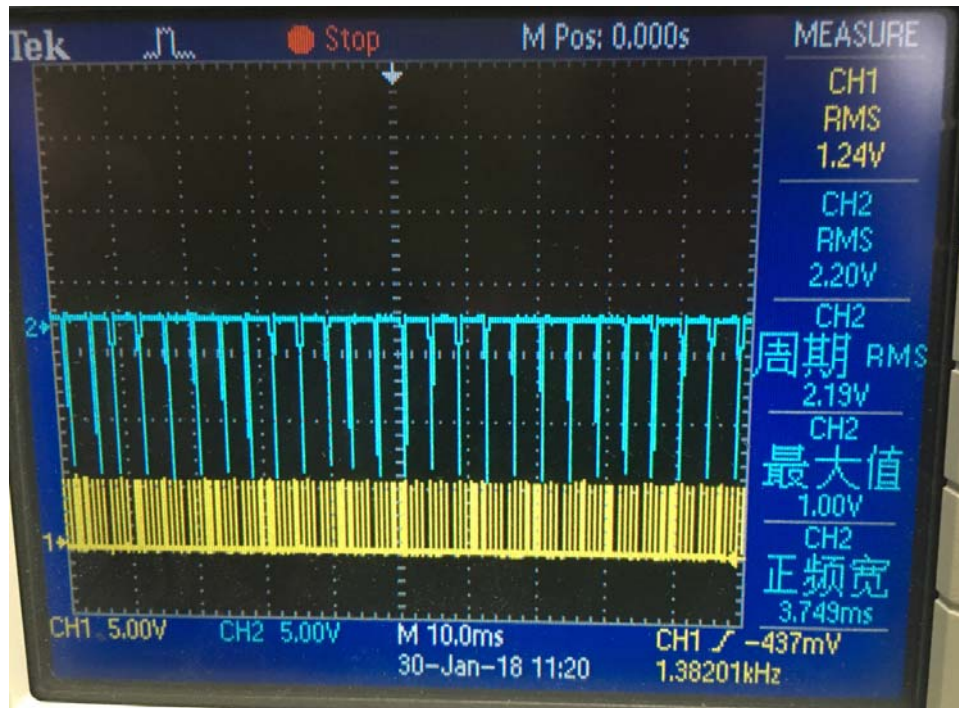


Fig.2 FB pin voltage without C7 at initial state

The expanded Fig.2 is shown in the Fig.3, and the time interval is changed from 10ms to 500us. The rms of FB pin voltage increases gradually with the output voltage setting.

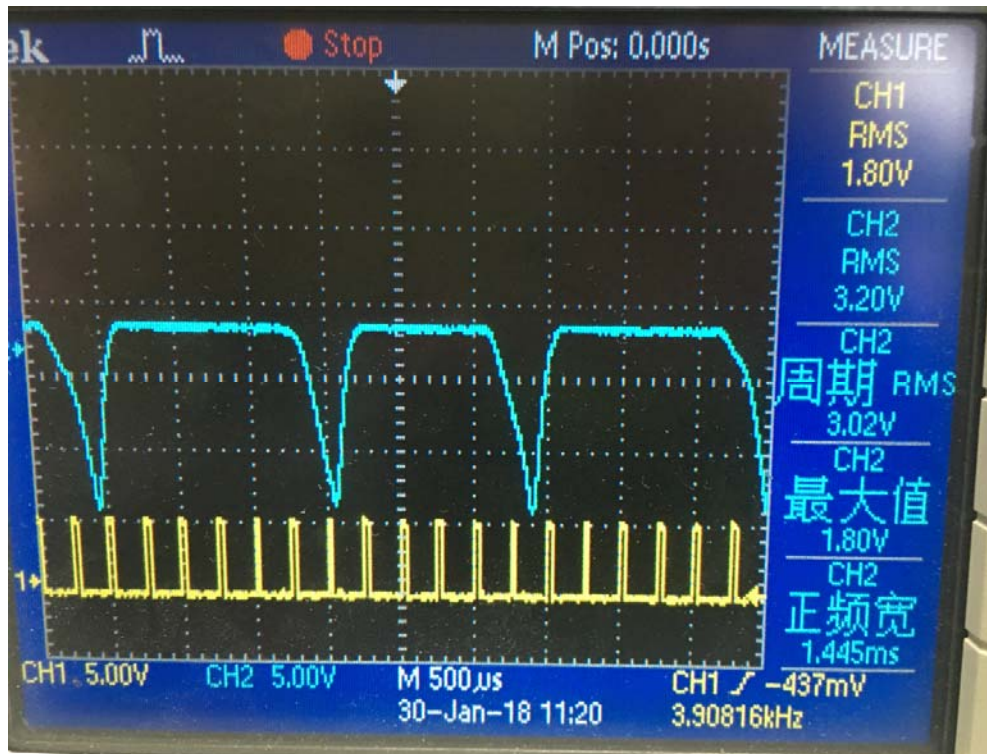


Fig.3 Expanded Fig.2

When the output voltage shuts off to 0V, the voltage of PB pin drops to about 0.1V. See Fig.4

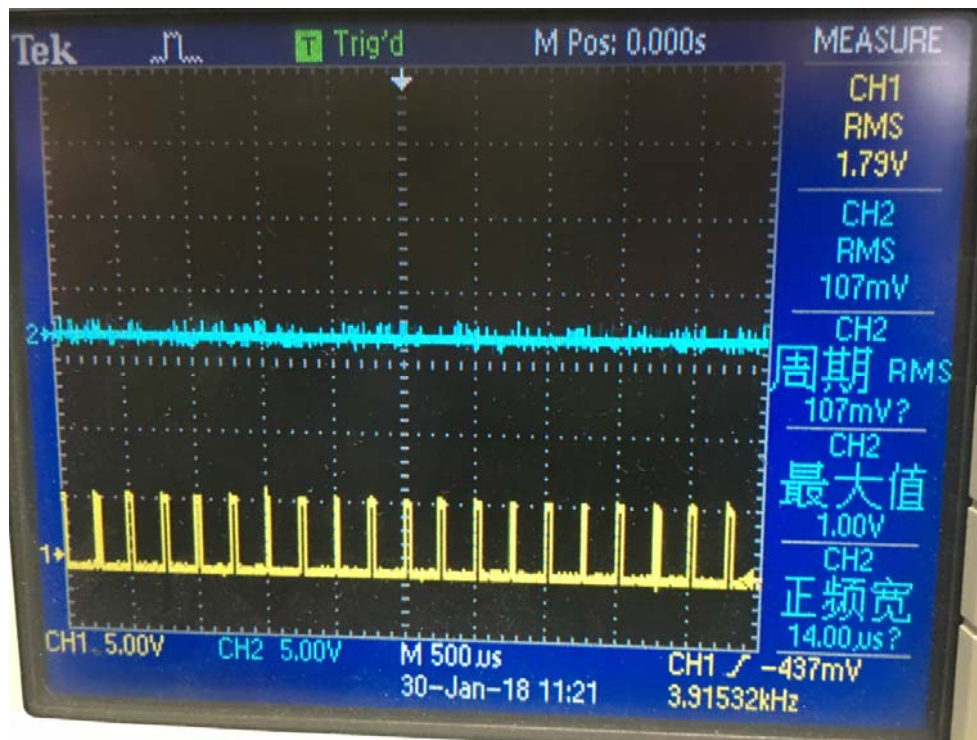


Fig.4 FB pin voltage