

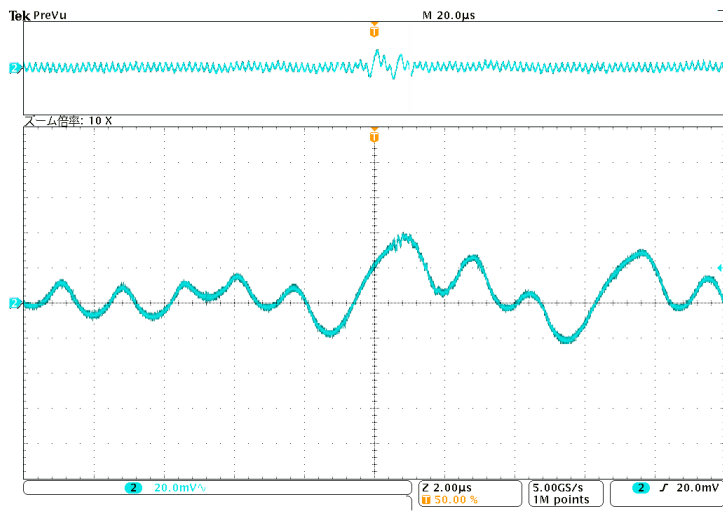


Fig.1-1

CH1:Vin=16V Vout= 10.5V Iout=9A
 CH2:Vin=16V Vout= 10.5V Iout=9A
 Fsw=600kHz
 mode=Current mode

CH2 : Vout

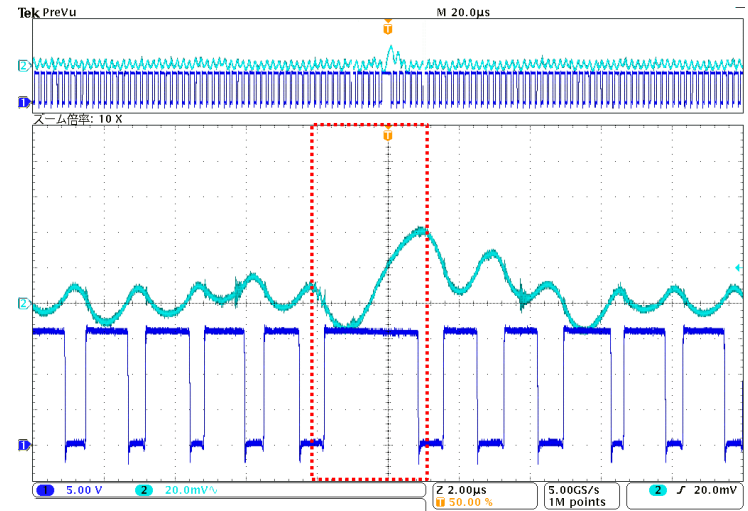


Fig.1-2

CH1:Vin=16V Vout= 10.5V Iout=9A
 CH2:Vin=16V Vout= 10.5V Iout=9A
 Fsw=600kHz
 mode=Current mode

CH1:Lo-side FET Vds
 CH2 : Vout

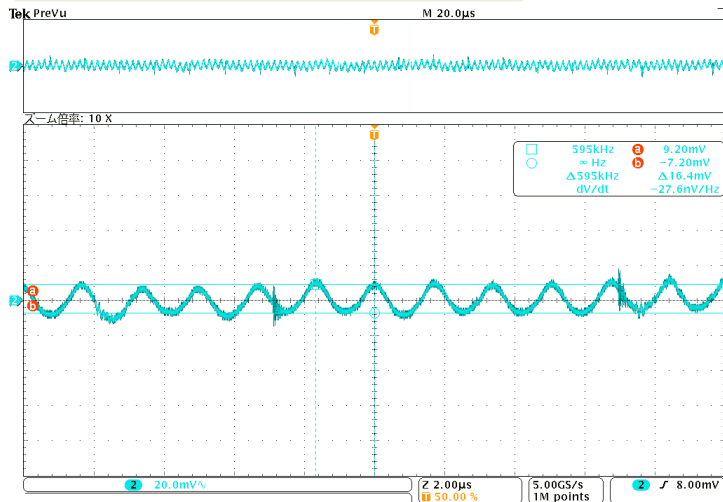


Fig.2

CH1:Vin=16V Vout= 10.5V Iout=9A
 CH2:Vin=16V Vout= 0V Iout=0A (EN2 low)
 Fsw=600kHz
 mode=Current mode

CH2 : Vout

When both channels are operated, the switching waveform is disturbed @Fig1.
 When only CH1 is used, the waveform is not disturbed @Fig2.
 Is there something that is considered to be the cause of that?