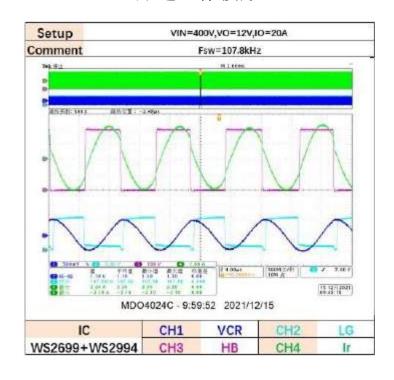
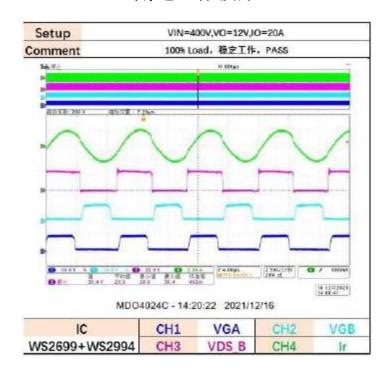
100% Load

原邊工作波形

副邊工作波形



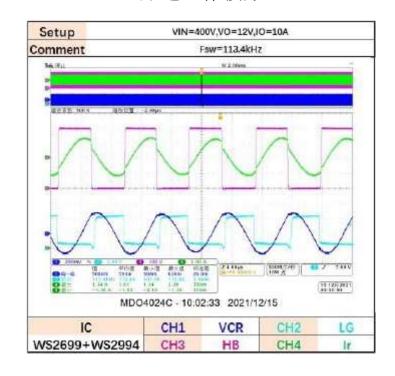


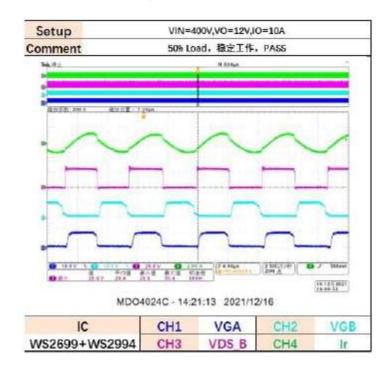
Comment: LLC運行穩定, VCS和VCR採樣正常, SR工作正常

50% Load

原邊工作波形

副邊工作波形



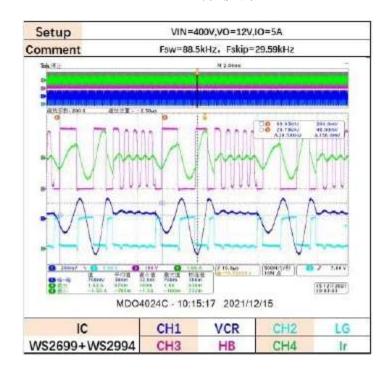


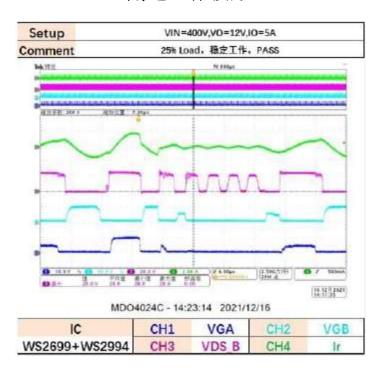
Comment: LLC運行穩定, VCS和VCR採樣正常, SR工作正常

25% Load

原邊工作波形

副邊工作波形



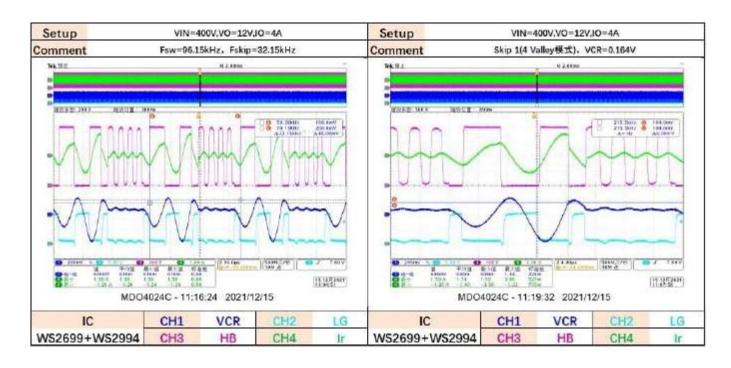


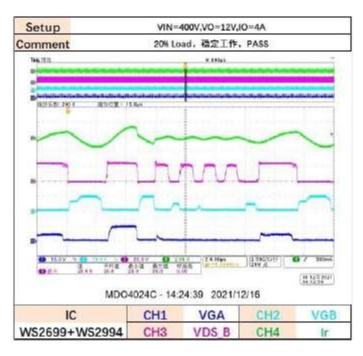
Comment: LLC運行穩定, VCS和VCR採樣正常, SR工作正常

20% Load

原邊工作波形

副邊工作波形



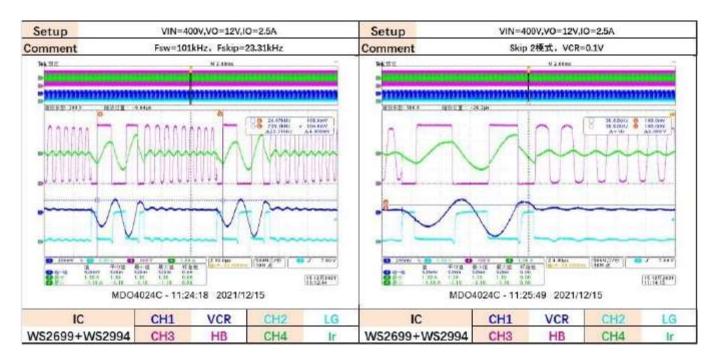


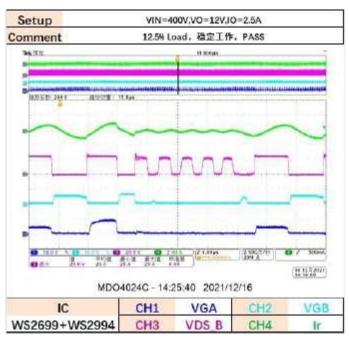
Comment: LLC穩定運行Skip 1_4 Valley模式, VCS和VCR採樣正常, SR工作正常

12.5% Load

原邊工作波形

副邊工作波形



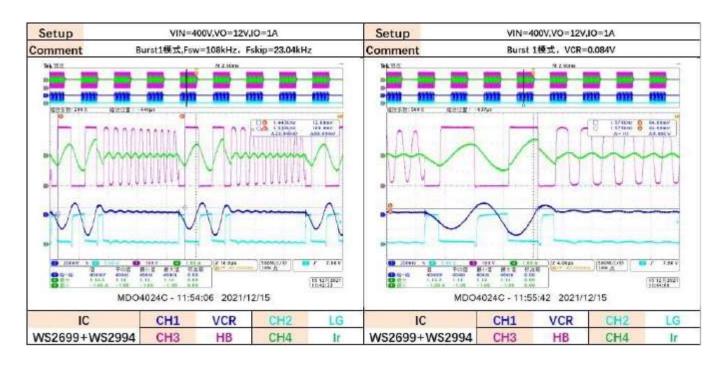


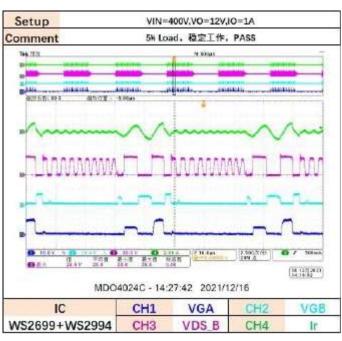
Comment: LLC穩定運行Skip 2模式, VCS和VCR採樣正常, SR工作正常

5% Load

原邊工作波形

副邊工作波形





Comment: LLC穩定運行Burst 1模式, VCS和VCR採樣正常, SR工作正常

No Load

VIN=400V,VO=12V,IO=0A

Fsw=133kHz. Fskip=25kHz

原邊工作波形

Setup

Comment

建設基準: 400.8

VIN=400V, VO=12V, IO=0A

Fburst=8Hz

Setup

Comment

162 CT -12.8m

IC

WS2699+WS2994

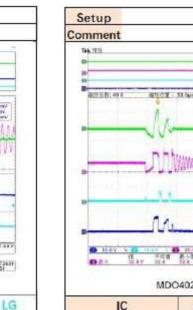
MDO4024C - 13:57:34 2021/12/15

VCR

HB

CH1

CH3



WS2699+WS2994

副邊工作波形

MDO4024C - 14:39:51 2021/12/16

VGA

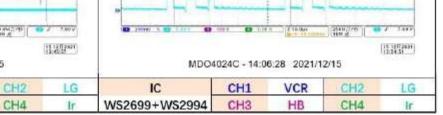
VDS_B

CH1

СНЗ

VIN=400V.VO=12V.IO=0A

OH Load, 稳定工作, PASS



Burst 2 模式, Burst on 期間以Skip 2模式運行;

Comment: LLC運行穩定, VCS和VCR採樣正常

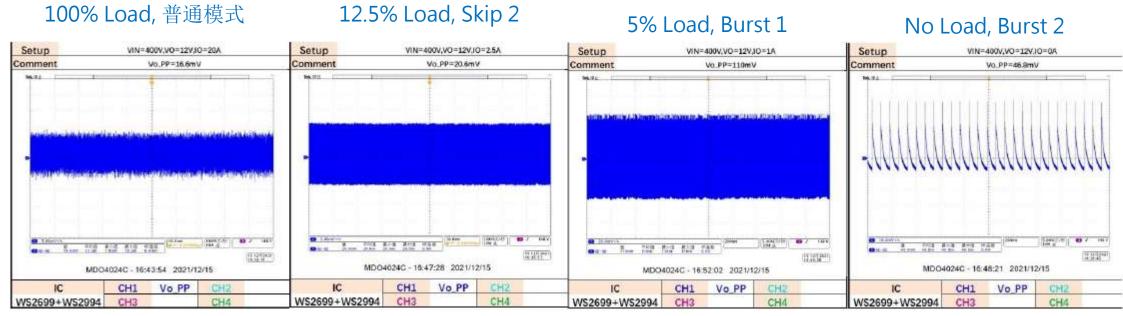
(# 1252#28 14:28:11

VG8

CH₂

CH4

輸出紋波測試

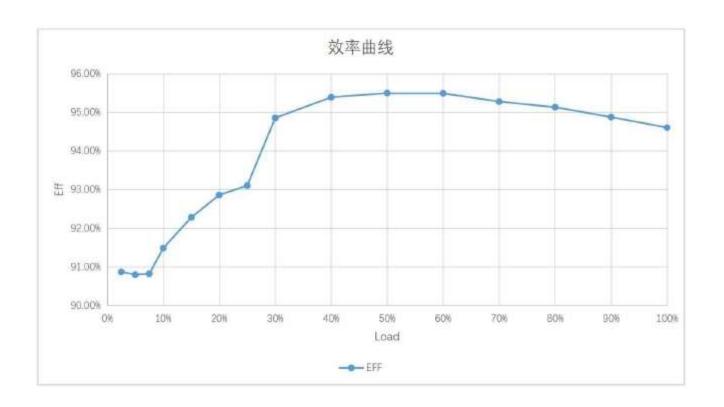


Comment: 全負載下, Vo紋波正常

VCR_REF=0.05V

VCR_REF=0.3V

效率測試



Comment: 在高頻應用中, Skip模式的加入, 可以優化了輕載效率

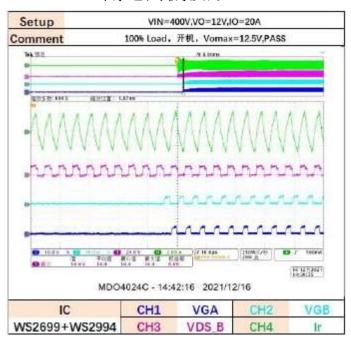
100% Load

開機測試

原邊開機波形

Setup VIN=400V.VO=12V.IO=20A Setup VIN=400V,VO=12V,IO=20A Comment 100% Load. 开机、Vomax=12.5V,PASS Comment 100% Load, 开机, fmax=357kHz,PASS 超级分数 202 超级过度 15.75 1 317 2021 1 11 H 2021 18:42-17 MDO4024C - 19:46:13 2021/11/1 MDO4024C - 19:51:54 2021/11/1 IC CH1 IC LG CH₂ VO CH1 LG CH2 CH3 WS2698 HB CH4 WS2698 CH3 HB CH4

副邊開機波形

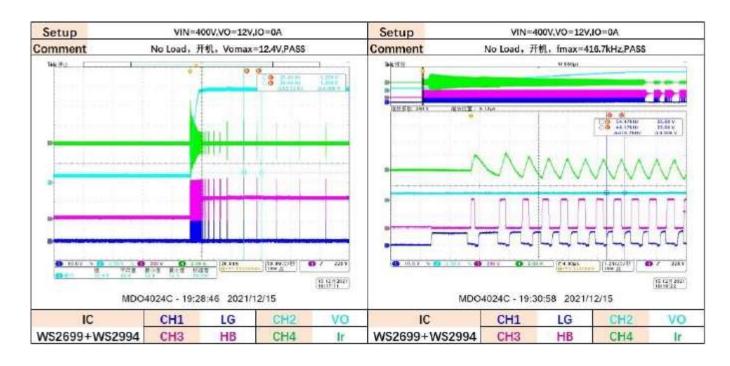


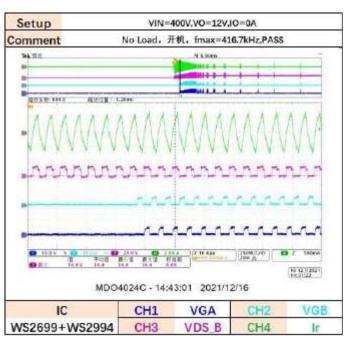
Comment: 開機過程中, Vo基本單調上升, SR開機正常

No Load 開機測試

原邊開機波形

副邊開機波形



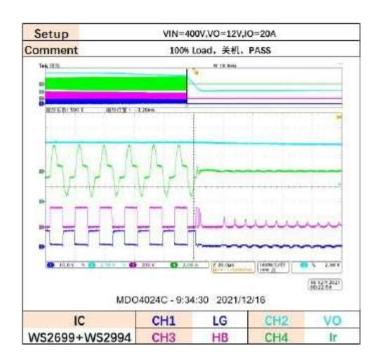


Comment: 開機過程中, Vo基本單調上升, SR開機正常

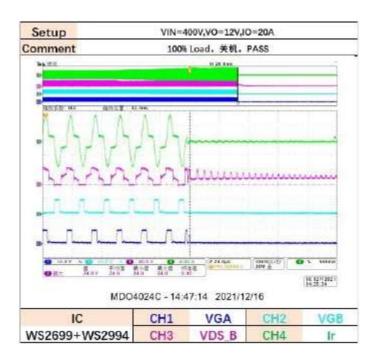
100% Load

關機測試

原邊關機波形



副邊關機波形



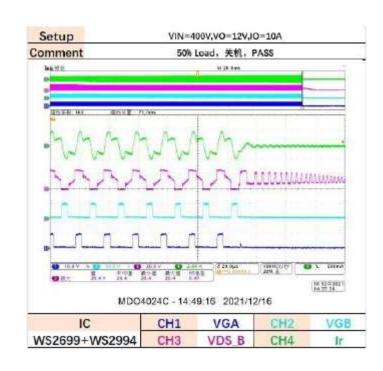
Comment: 關機過程未出現異常

50% Load 關機測試

原邊關機波形

Setup VIN=400V, VO=12V, IO=10A Comment 50% Load, 关机, PASS **周50万里: 4.70mm** 16 (211 2021 MDO4024C - 9:39:34 2021/12/16 IC CH1 LG CH2 VO WS2699+WS2994 СНЗ HB CH4

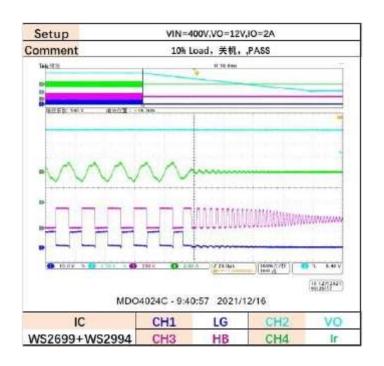
副邊關機波形



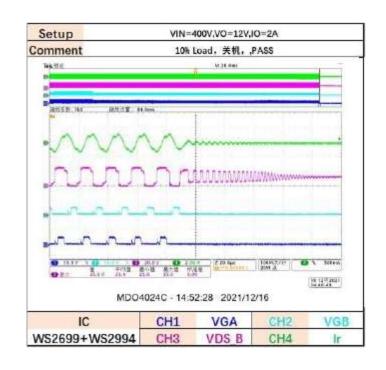
Comment: 關機過程未出現異常

10% Load 關機測試

原邊關機波形



副邊關機波形

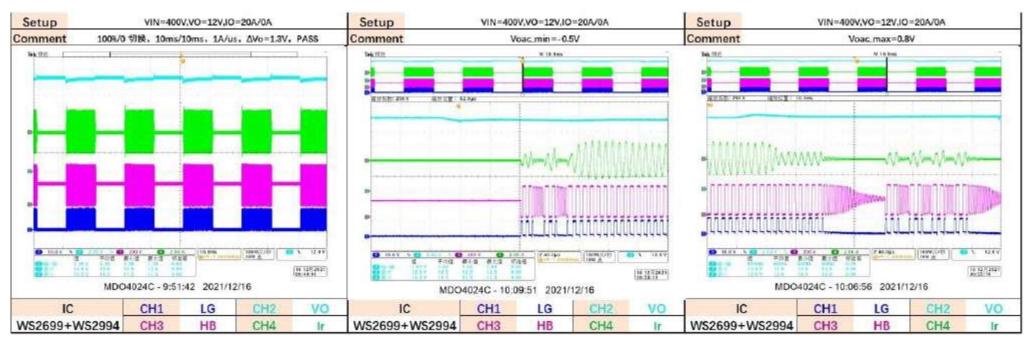


Comment: 關機過程未出現異常

Load: 100% to 0, 10ms/10ms

動態測試

原邊動態波形

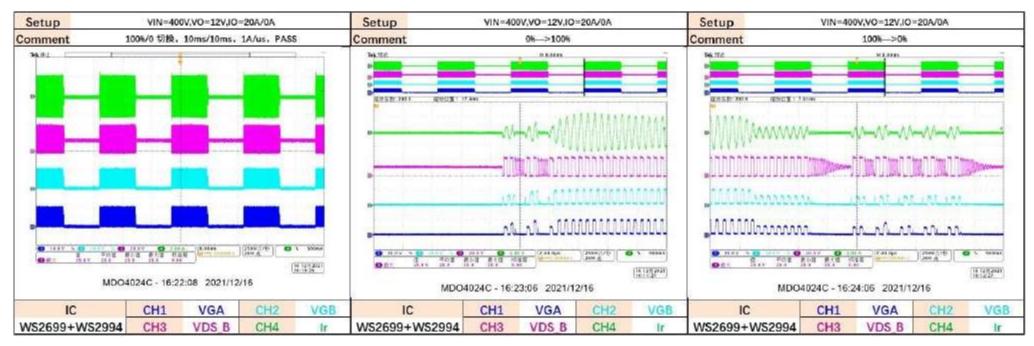


Comment: 大動態下,樣機運行穩定

Load: 100% to 0, 10ms/10ms

動態測試

副邊動態波形

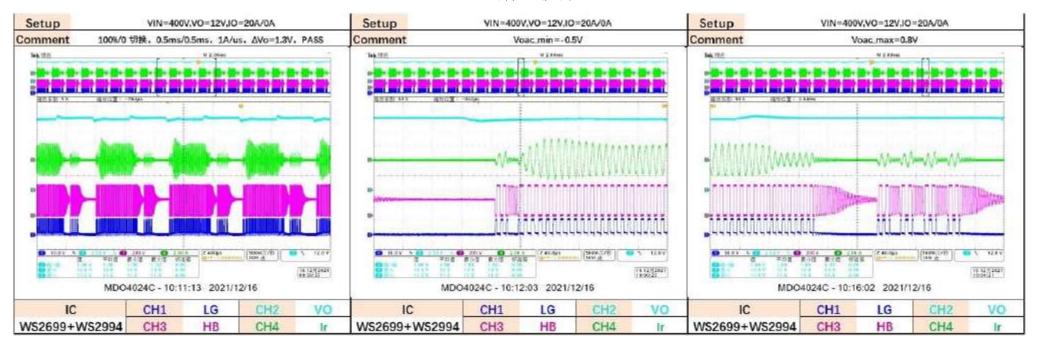


Comment: 大動態下, SR工作正常

動態測試

Load: 100% to 0, 0.5ms/0.5ms

原邊動態波形

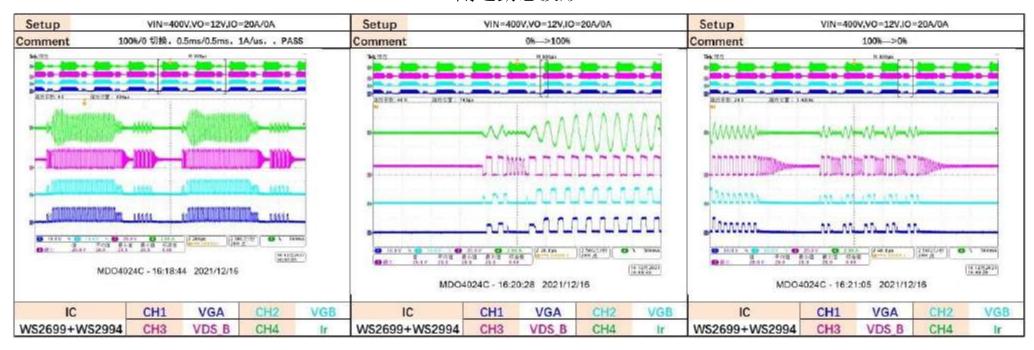


Comment: 大動態下,樣機運行穩定

動態測試

Load: 100% to 0, 0.5ms/0.5ms

副邊動態波形

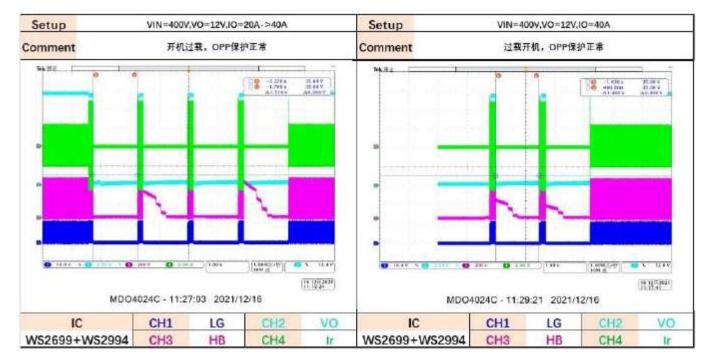


Comment: 大動態下,SR工作正常

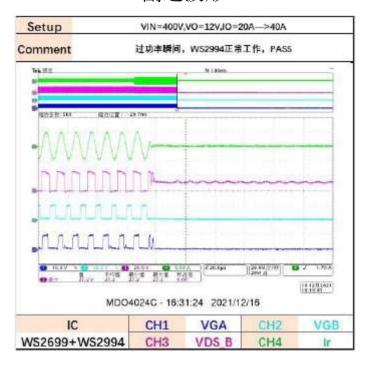
OPP

系統100% Load工作時,切200% Load,然後再切回100% Load。

原邊波形



副邊波形

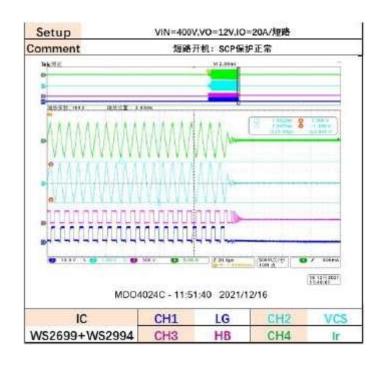


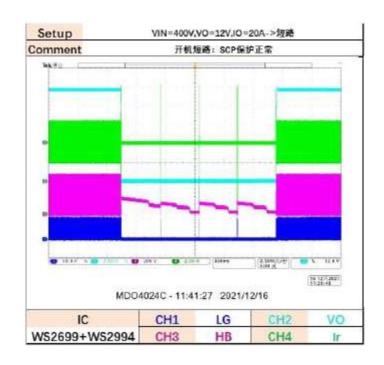
保護策略可根據實際應用配置

Comment: 開機超載/超載開機都能正常OPP保護,超載下SR工作正常

SCP

開機短路和短路開機情況下的SCP行為一致。

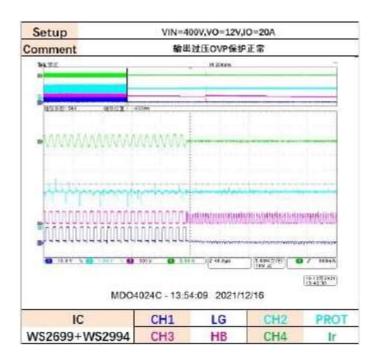




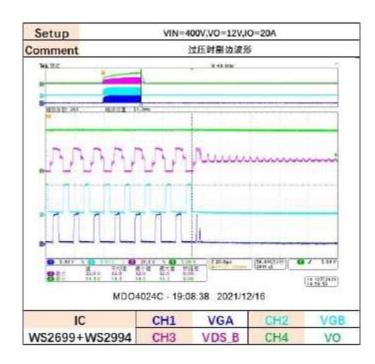
保護策略可根據實際應用配置

Comment: SCP測試行為與配置吻合, SR短路時工作正常

原邊波形



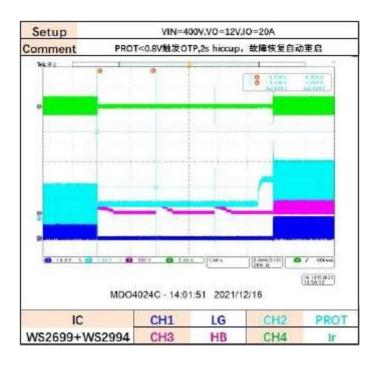
副邊波形



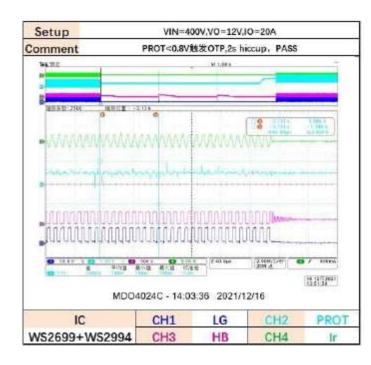
保護策略可根據實際應用配置

Comment: OVP測試行為與配置吻合

保護波形



保護瞬間波形



保護策略可根據實際應用配置

Comment: OTP測試行為與配置吻合