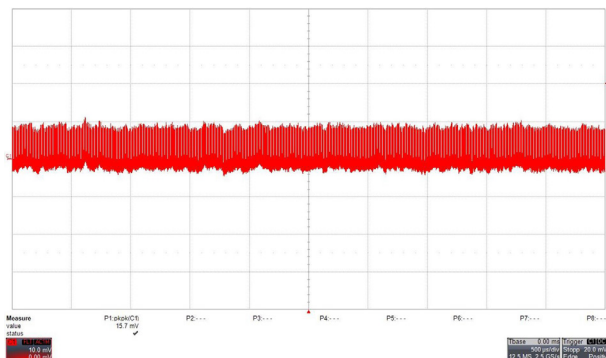


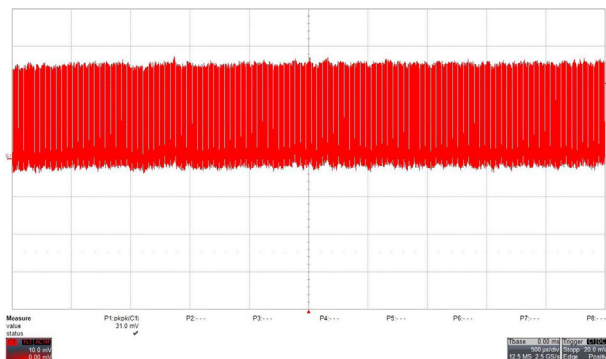
## Ripple and Noise Measurement Report

### Models without external output capacitor

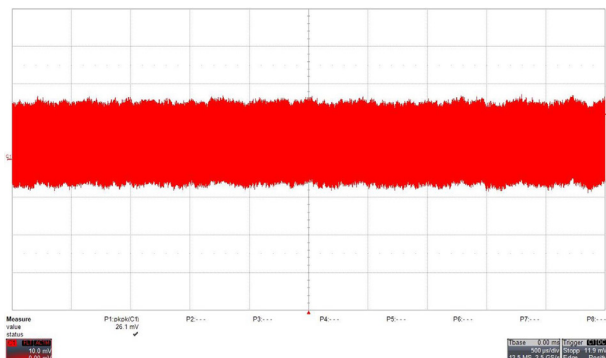
TVN 3-0512 at 5Vin: Ripple&Noise = 15.7 mVp-p



TVN 3-1211 at 12Vin: Ripple&Noise = 31.0 mVp-p

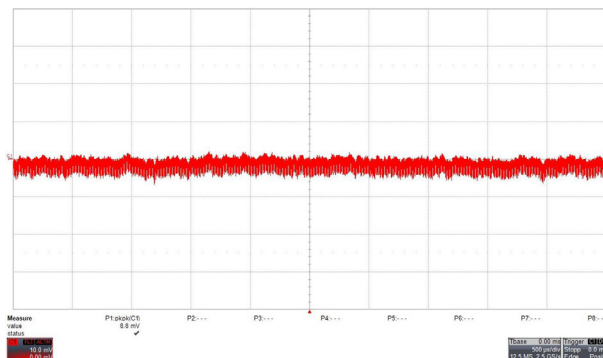


TVN 3-2412 at 24 Vin: Ripple&Noise = 26.1 mVp-p

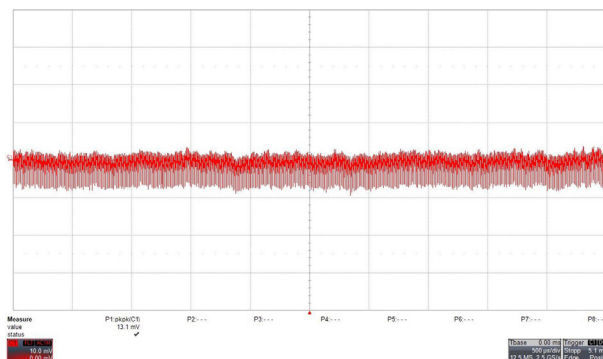


### Models with 10μF external output capacitor

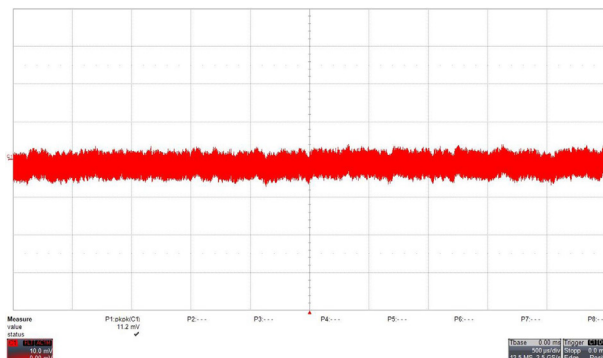
TVN 3-0512 at 5Vin: Ripple&Noise = 8.8 mVp-p



TVN 3-1211 at 12Vin: Ripple&Noise = 13.1 mVp-p



TVN 3-2412 at 24 Vin: Ripple&Noise = 11.2 mVp-p



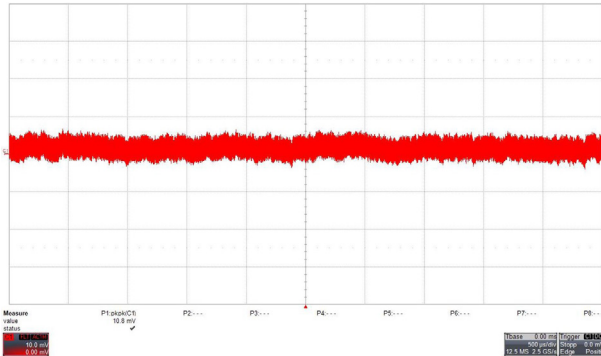
The data measured at full load by the probe: PP008 (10:1 300 MHz BW) with LeCroy 604Zi (20 MHz BWL)



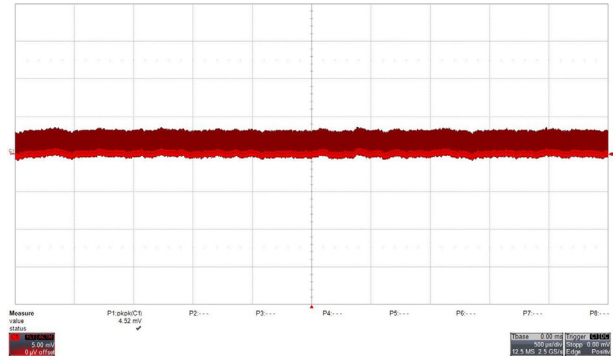
## Ripple and Noise Measurement Report

TVN 3-2412 at 24 Vin and full load measured with 10 $\mu$ F external output capacitor and different probes

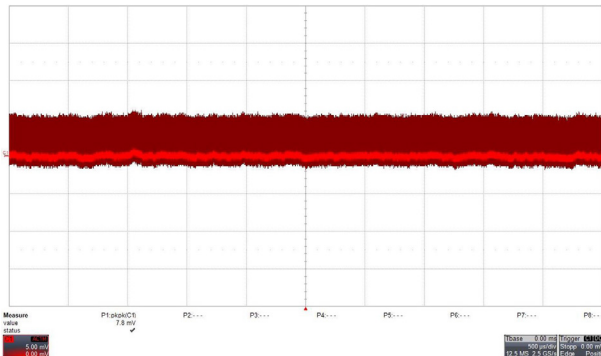
Probe PP016 (10:1) : Ripple&Noise = 10.8 mVp-p  
Scope: BWL 20 MHz



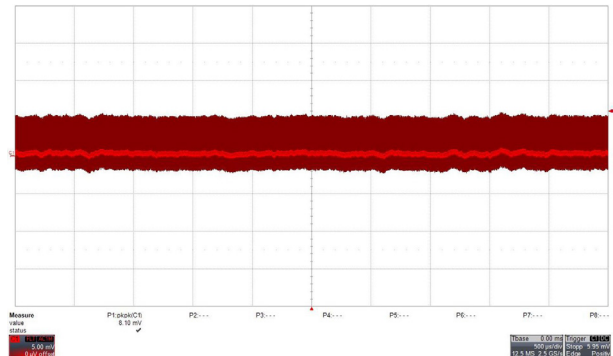
Probe PP016 (1:1) : Ripple&Noise = 4.52 mVp-p  
Scope: BWL 20 MHz



Probe PP016 (1:1) : Ripple&Noise = 7.8 mVp-p  
Scope: BWL full



Probe PMM301A (1:1) : Ripple&Noise = 8.1 mVp-p  
Scope: BWL 20 MHz



The data test with LeCroy 604Zi (20 MHz BWL or full scale) by the probes:

Probe	Bandwith	Maximum rated Inputs Voltage	Input Capacitance (System)	Input Coupling of meas. Instrument
PP016 (10:1), LeCroy	300 MHz	600 V (DC+ACpeak)	12 pF	10 M $\Omega$ AC/DC
PP016 (1:1) , LeCroy	10 MHz	600 V (DC+ACpeak)	46 pF	1 M $\Omega$ AC/DC
PMM301A (1:1), PMK	50 MHz	55 Vrms	32 pF	1 M $\Omega$ AC/DC
PP008 (10:1), LeCroy	500 MHz	400 Vrms	9.5 pF	10 M $\Omega$ AC/DC