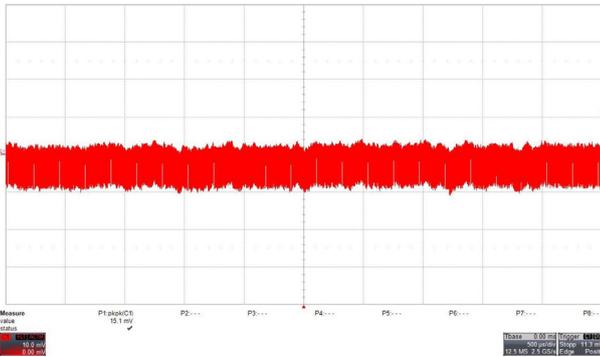


Ripple and Noise Measurement Report

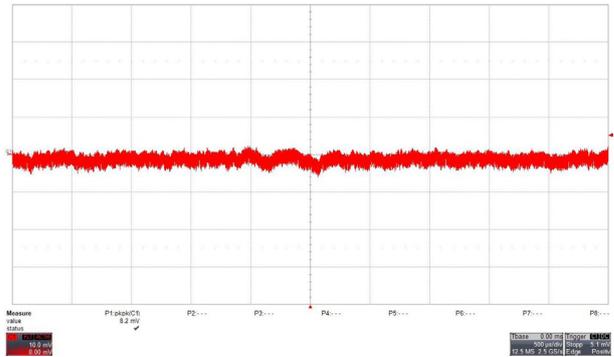
Models without external output capacitors

TVN 3-1222 Vout1 at 12Vin: Ripple&Noise = 15.1 mVp-p

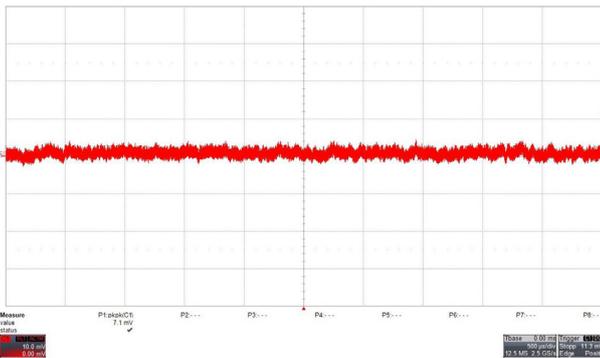


Models with 10µF external output capacitors

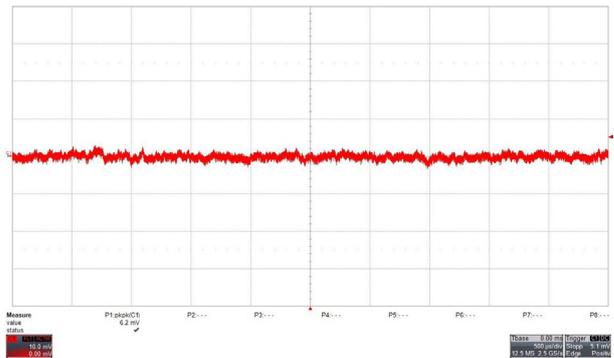
TVN 3-1222 Vout1 at 12Vin: Ripple&Noise = 8.2 mVp-p



TVN 3-1222 Vout2 at 12Vin: Ripple&Noise = 7.1 mVp-p



TVN 3-1222 Vout2 at 12Vin: Ripple&Noise = 6.2 mVp-p



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

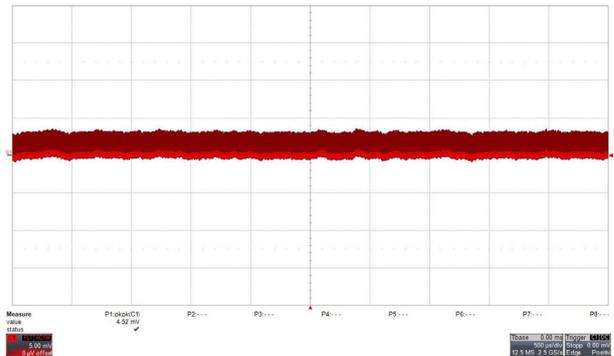
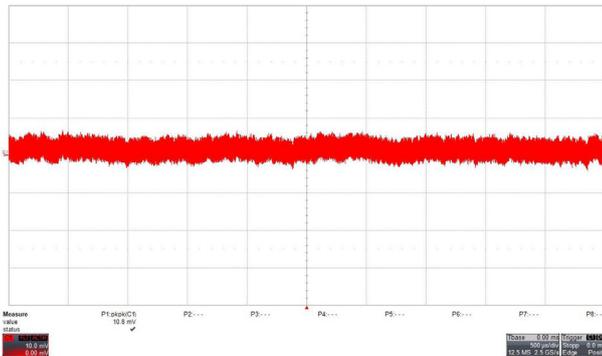
Ripple and Noise at Ta = 25°C and Full Load	Typical Specifications
without capacitor	15 mVp-p
5% - 100% of full load (with 10uF/50V MLCC)	10 mVp-p

Ripple and Noise Measurement Report

TVN 3-2412 at 24 Vin and full load measured with 10µF external output capacitor and different probes

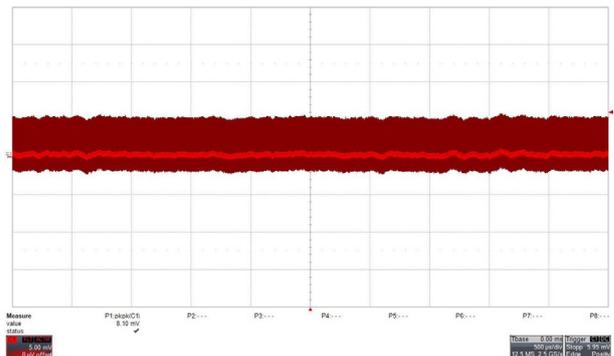
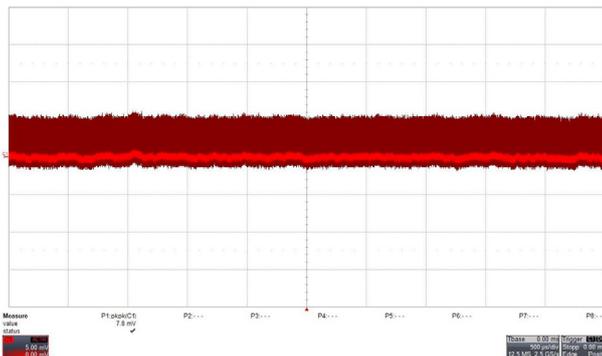
Probe PP016 (10:1) : Ripple&Noise = 10.8 mVp-p
Scope: BWL 20 MHz

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 MΩ AC/DC
PP016 (1:1), LeCroy	10 MHz	600 V (DC+ACpeak)	46 pF	1 MΩ AC/DC
PMM301A (1:1), PMK	50 MHz	55 Vrms	32 pF	1 MΩ AC/DC
PP008 (10:1), LeCroy	500 MHz	400 Vrms	9.5 pF	10 MΩ AC/DC