



Figure 12 The -1000V converter's output noise measures less than 1 mV—that is, 1 ppm, or 0.0001%—in a 100-MHz bandwidth (a). The resonant Royer ripple voltage dominates the residue. There is no detectable high-frequency content. Output noise decreases to 100 μV by using 10-times-larger filter capacitors than those in Figure 11 (b). The penalty is the size of the capacitors.
