CPW to CPS transition for feeding UWB antennas

The paper considers a transition (balun) from Coplanar Waveguide (CPW) to Coplanar Stripline (CPS) which is non-resonant and suitable for feeding UWB antennas such as Tapered Slot Antennas (Vivaldi antennas, in particular), bow-tie antennas, and other. Some numerical and experimental results are presented that show performance of the transition alone and as a feeder for a Vivaldi antenna.