A 70Mbit/s Variable-Rate 1024-QAM Cable Receiver IC with Integrated 10b ADC and FEC Decoder

IN THE LATER half of the 1990s, broadband residential communications received a big push by advances in Digital Cable Modem and DSL technology. The 1998 paper by Tan et al. describes a CMOS single-chip cable modem with integrated Forward Error Correction, supporting up to 70Mbit/s data rate over coaxial cable.

L. Tan, J. Putnam, F. Lu, L. D’Luna, D. Mueller, K. Kindsfater, K. Cameron, R. Joshi, R. Hawley, H. SamueI
Broadcom Corporation, Irvine, CA