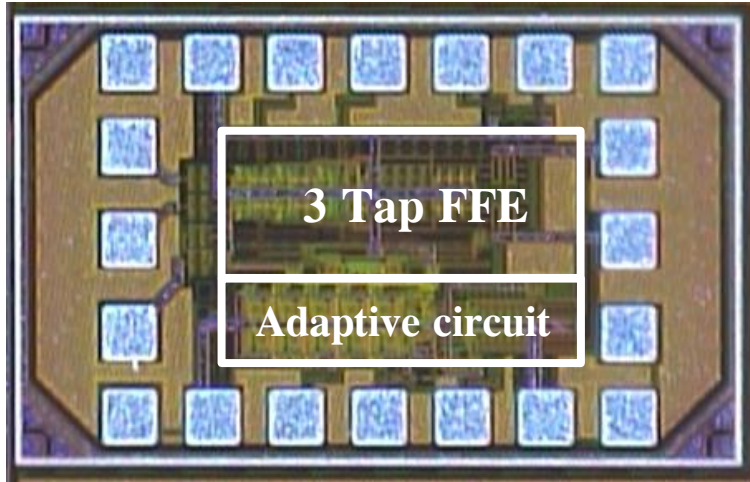
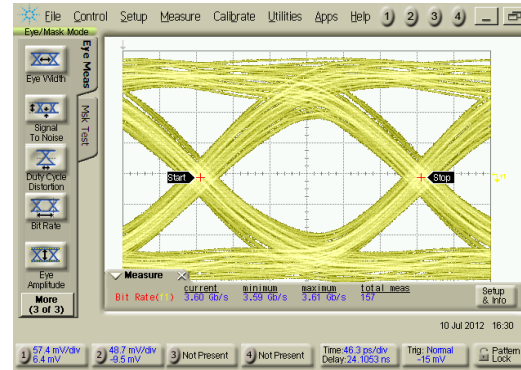
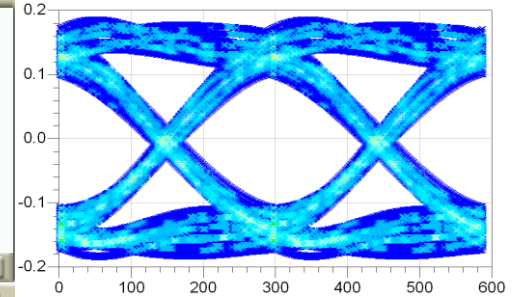




Chip Size : 0.48 X 0.78 mm²



Measured



Simulated

Process	Data rate	Channel	Power (mW)	FOM	Chip core area (mm ²)	Reference
0.18um	5G	80cm FR-4	51.8	12.95	1.06*3.7	TCSII,10[20]
0.13um	2.7G	40in (101cm) FR-4	32.4	11.88	0.25*0.15	TCSII,10[14]
65nm	7.5G	40in (101cm) FR-4	45	5.94	1*0.25	VLSI,08[21]
90nm	6G	16in (40cm) FR-4	24	10	0.036	JSSC,06[19]
This work						
90nm	3.4G	1.5m HDMI cable with 2 connectors	13.2	2.35	0.38*0.2	
	3.4G	3 m HDMI cable with 2 connectors	13.2	1.18	=	
	3.4G	5 m HDMI cable with 2 connectors	13..75	0.706	=	