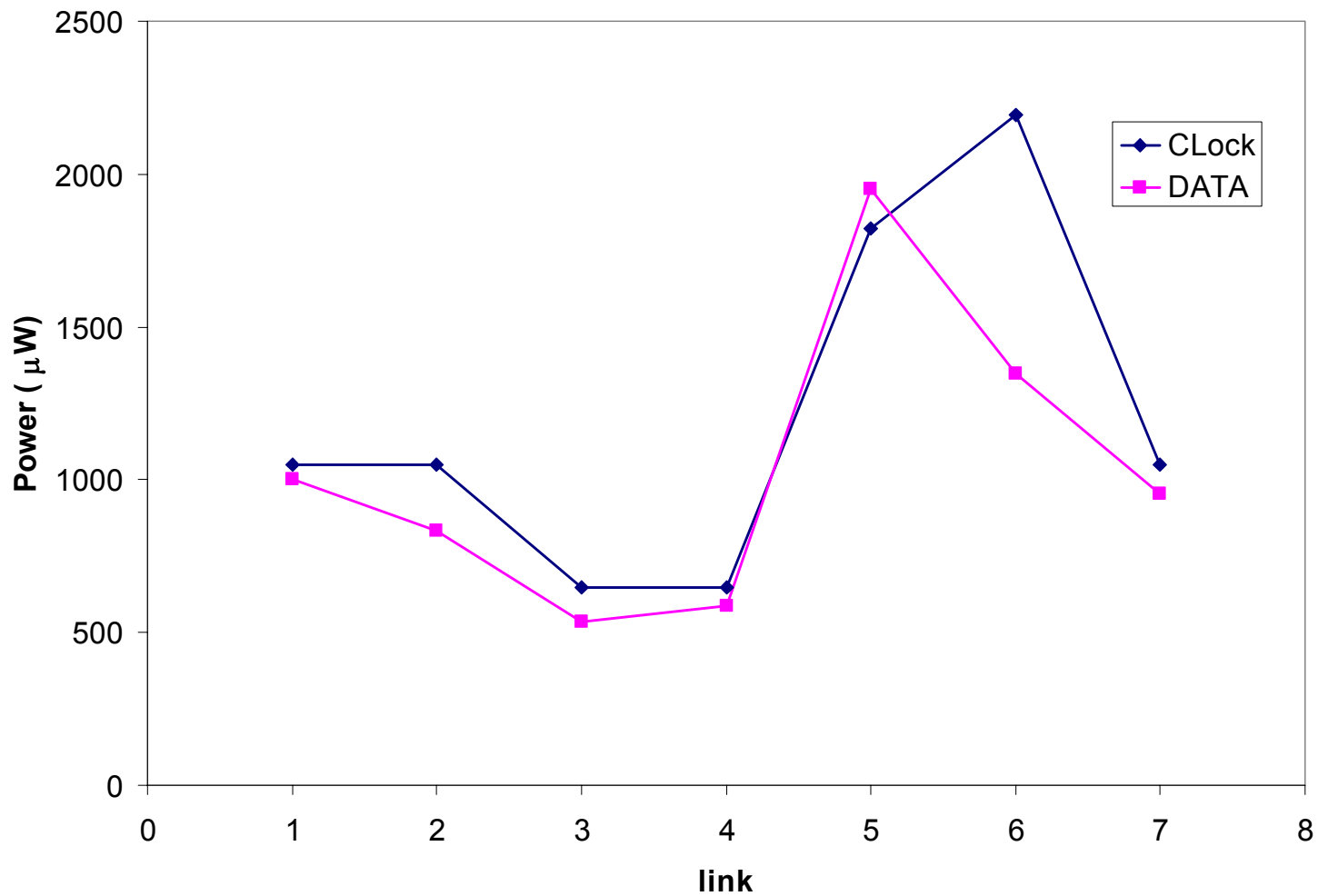


# Measurement Summary

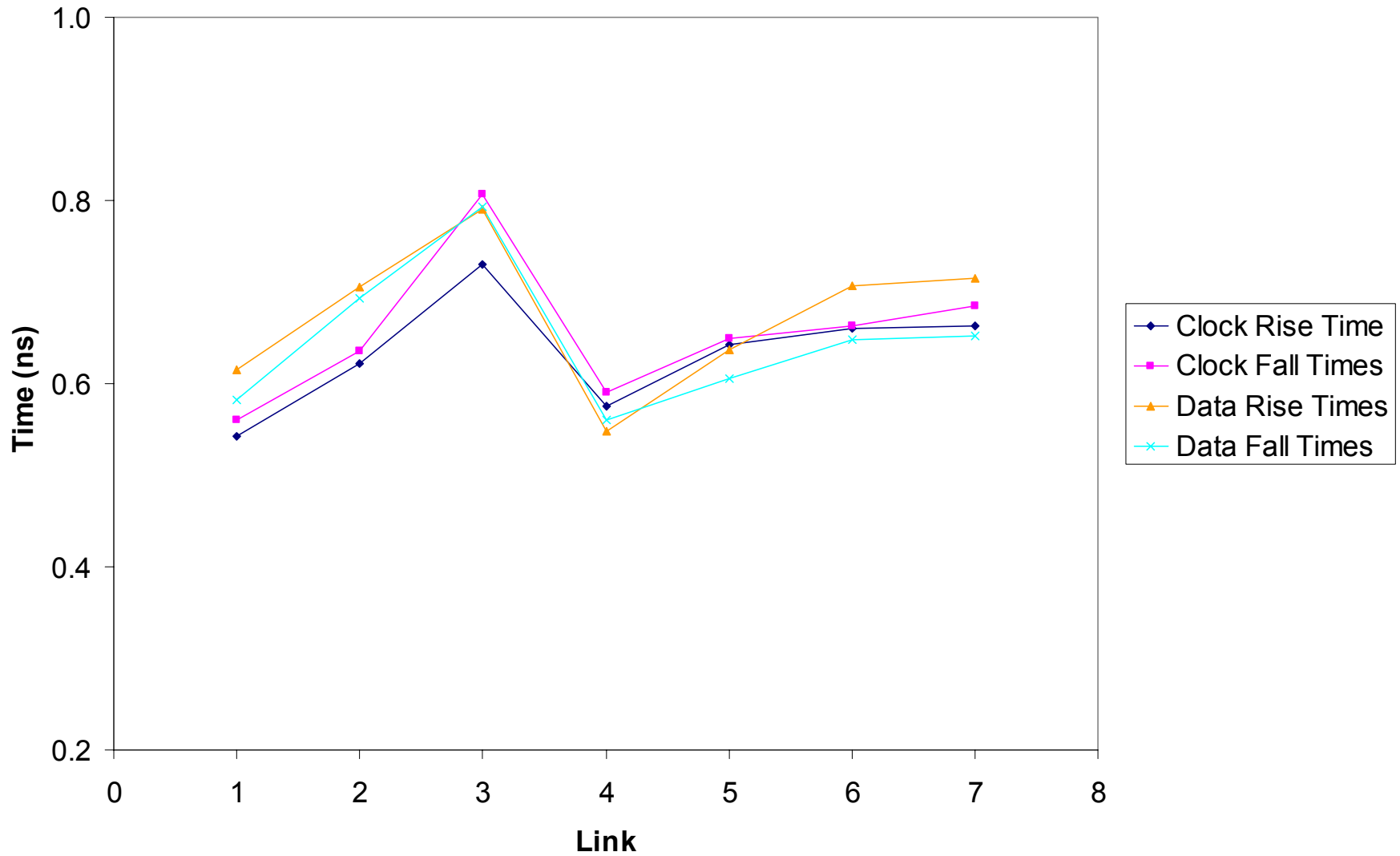
Measurement	Unit	Min	Max	Comments	Outcome
Current consumption	mA	127	217	291-355 mA for opto-board with 14 data links	366
Optical Power	$\mu$ W	500	-	$I_{set} = 0.6$ mA	Range 647 - 2192
Electrical Rise and Fall Times	ns	-	1	40 MHz, $I_{set} = 0.6$ mA, PRBS @ $I_{PIN} = 100$ $\mu$ A	< 0.9
Optical Rise and Fall times	ns	-	1	40 MHz, $I_{set} = 0.6$ mA, PRBS @ $I_{PIN} = 100$ $\mu$ A	< 0.9
Jitter	ns	-	1	PRBS @ $I_{PIN} = 40, 100, 1000$ $\mu$ A	< 0.2
Electrical Duty Cycle	%	46	54	40 MHz, $I_{set} = 0.6$ mA, PRBS @ $I_{PIN} = 40, 100, 1000$ $\mu$ A	Range 46 – 54
Optical Duty Cycle	%	46	54	40 MHz, $I_{set} = 0.6$ mA, PRBS @ $I_{PIN} = 100$ $\mu$ A	Range 47 – 53
Clock and Command +/- Average	V			PRBS @ $I_{PIN} = 100$ $\mu$ A	Range 0.9 – 1.1
Clock and Command +/- Amplitude	V			PRBS @ $I_{PIN} = 100$ $\mu$ A	Range 0.3 – 0.4
Dark Current	$\mu$ A	-	1	+5 V	0.004
Bit Errors	-	-	0	PBRs @ $I_{PIN} = 40, 100, 1000$ $\mu$ A for 10 mins with all links active	No Errors

# Optical Power



$I_{\text{set}} = 0.6 \text{ mA}$

# Electrical Rise and Fall

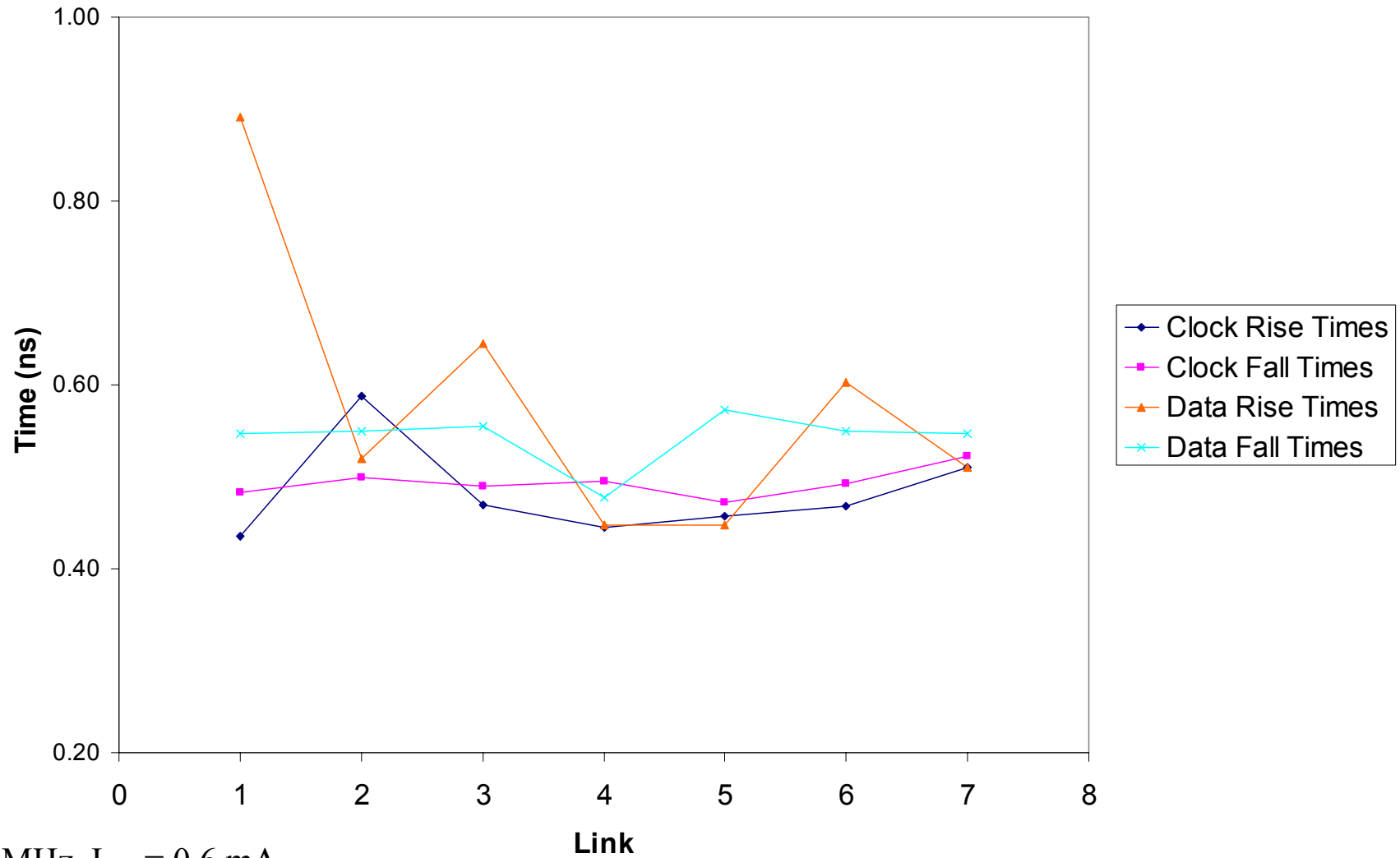


40 MHz,  $I_{\text{set}} = 0.6 \text{ mA}$ ,

PRBS @  $I_{\text{PIN}} = 100 \mu\text{A}$

BeO OPTO-ELECTRICAL QA

# Optical Rise and Fall Time

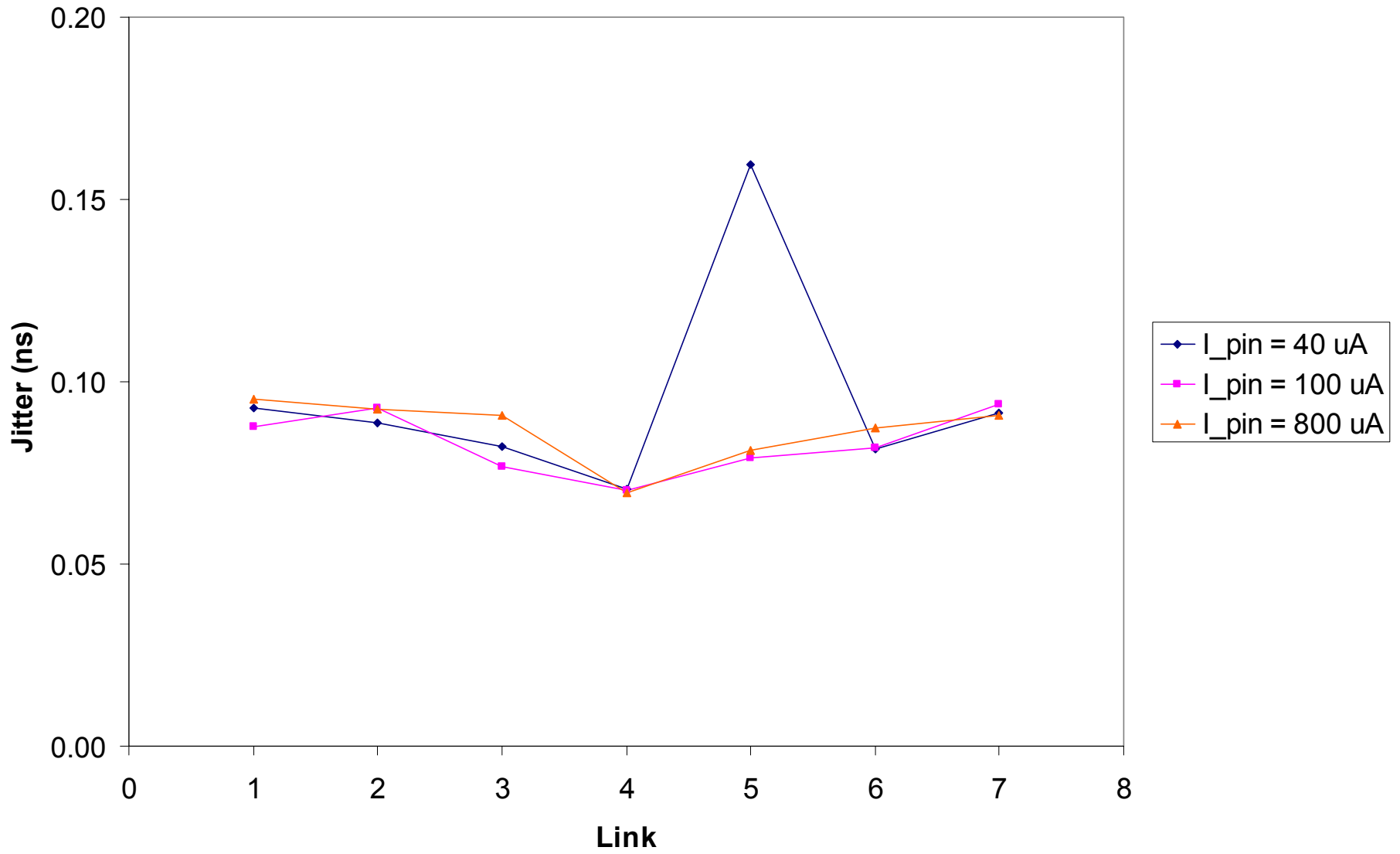


40 MHz,  $I_{\text{set}} = 0.6 \text{ mA}$ ,

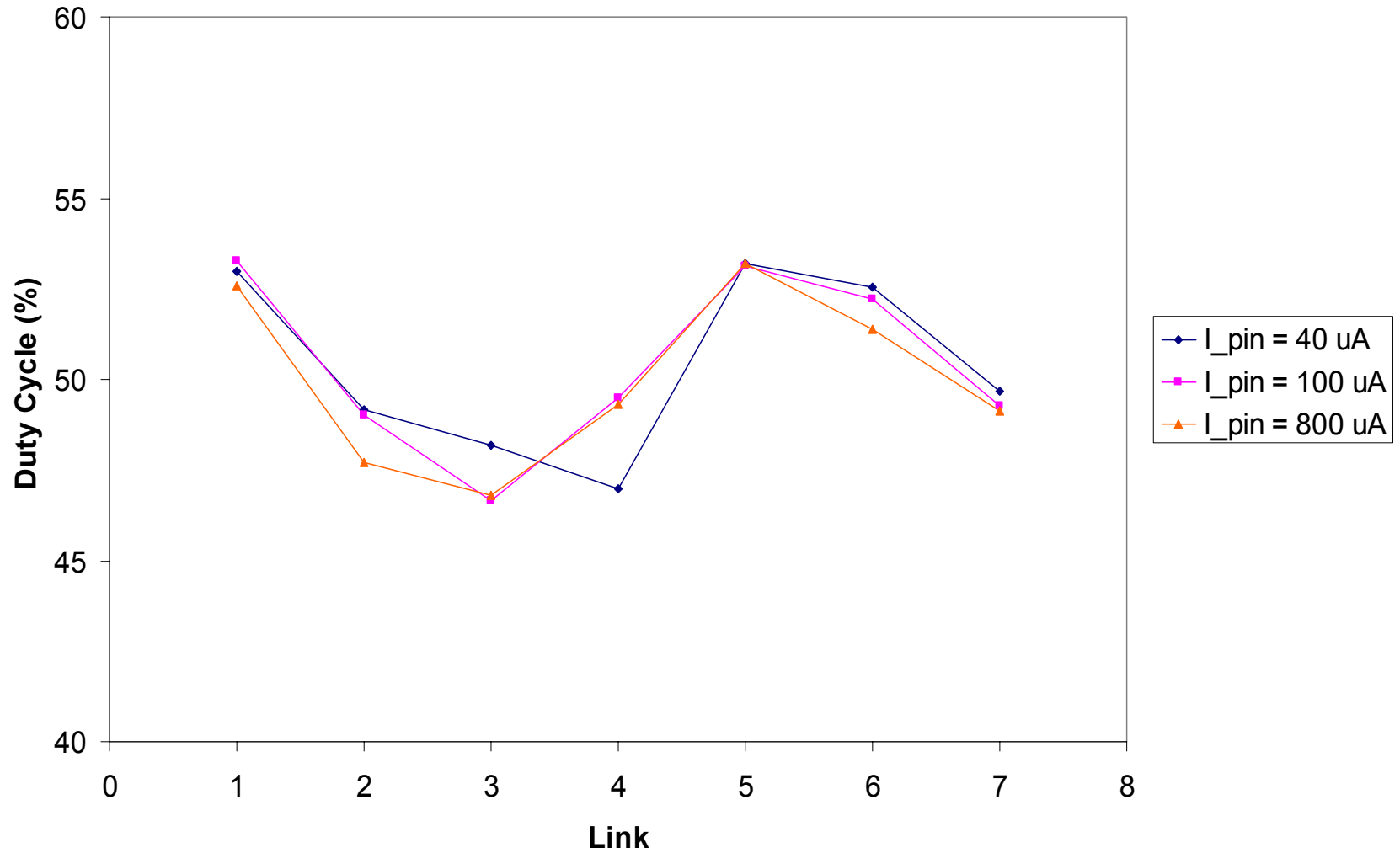
PRBS @  $I_{\text{PIN}} = 100 \mu\text{A}$

BeO OPTO-ELECTRICAL QA

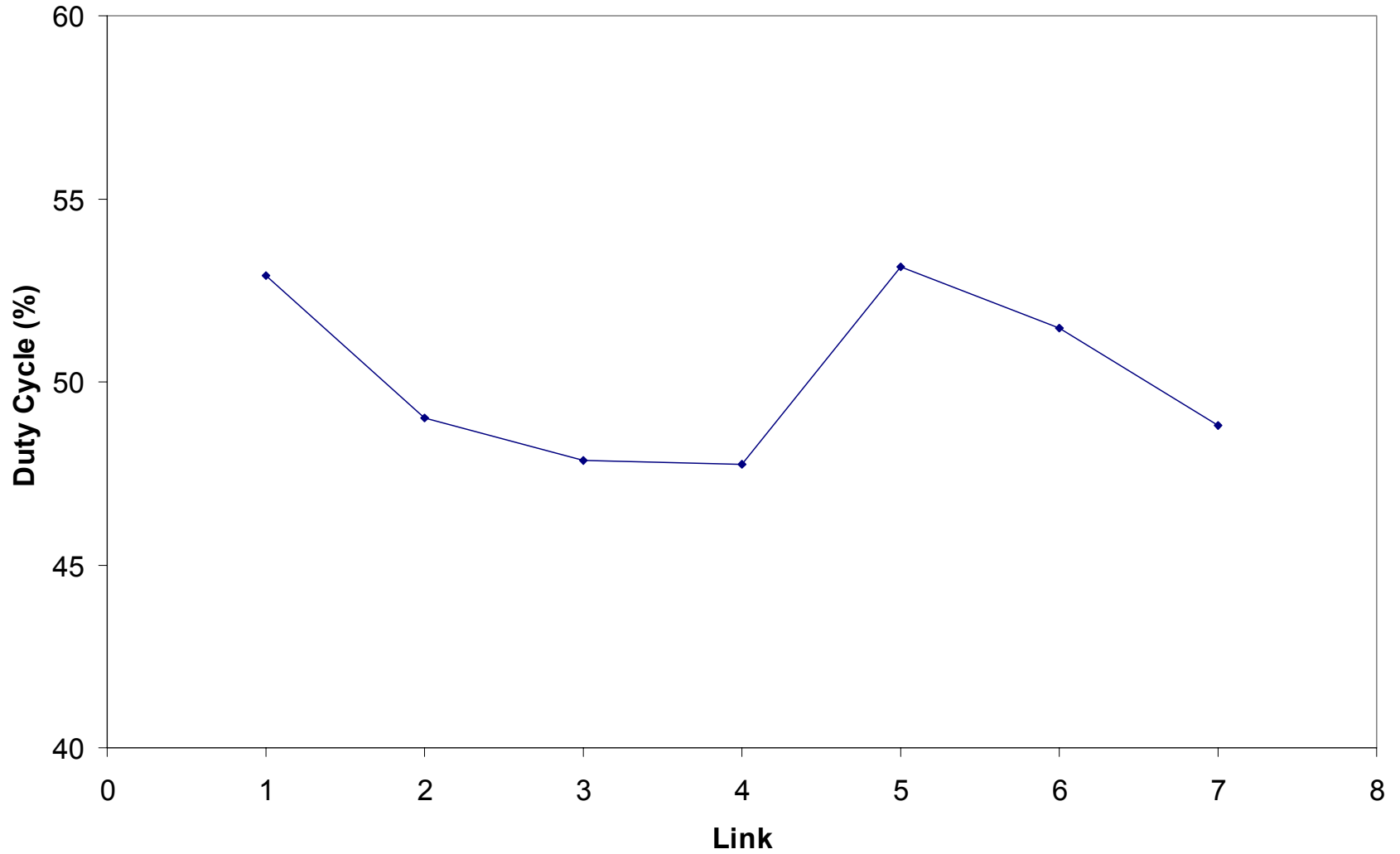
# Jitter



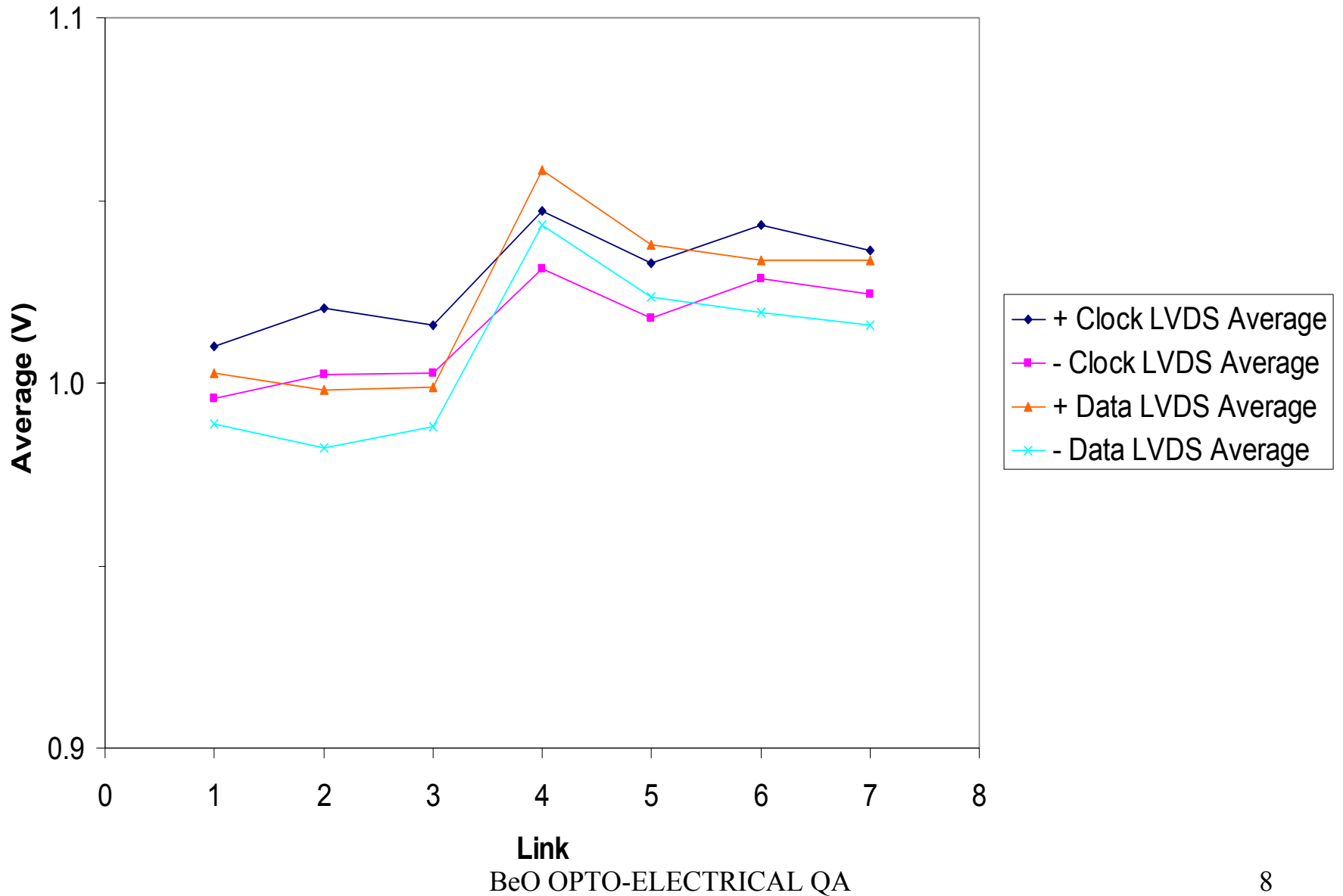
# Electrical Duty Cycle



# Optical Duty Cycle



# Clock and Command +/- Average



# Clock and Command +/- Amplitude

