

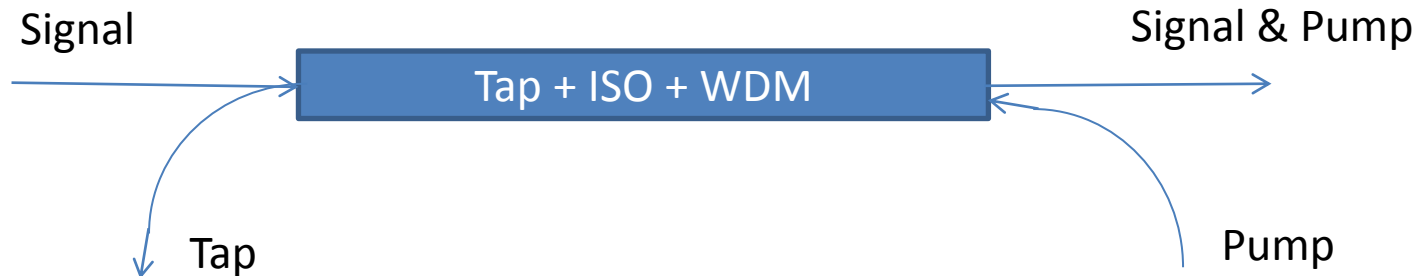
Progress in 3in1Hybrid Product

Viscore Technologies Inc.

Feb 16, 2010

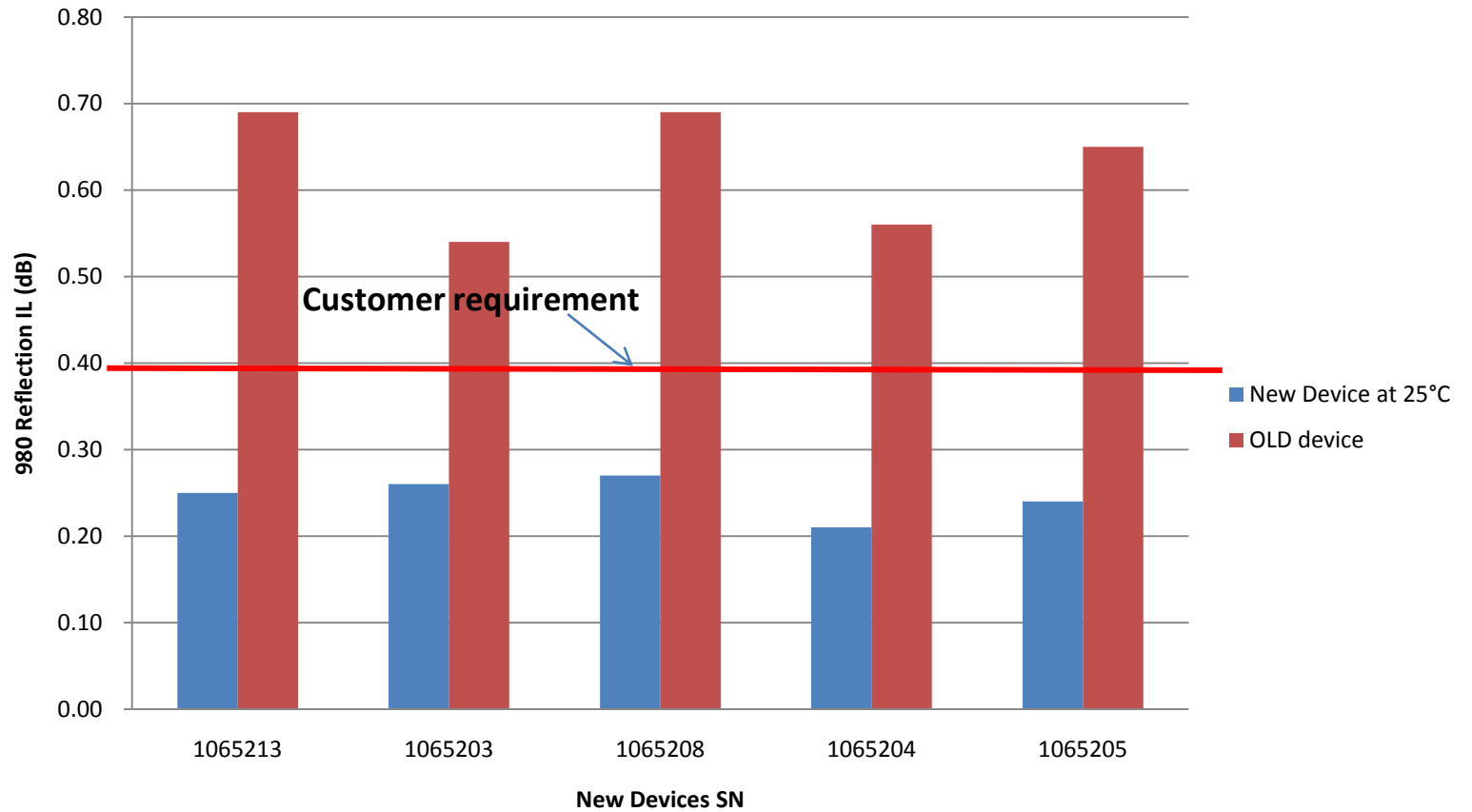
Breakthrough Hybrid Performance: 5%Tap+ISO+WDM

Tap+ISO+WDM	Customer's Requirements	Viscore Old Response	Viscore New Response	Unit
Signal IL (1550nm)	1.3	1.6	<1.3	dB
Pump IL (980nm)	0.4	0.7	<0.4	dB
TDL (Signal to common)	0.25	0.3	0.25	dB
TDL (Pump to common)	0.15	0.15	0.15	dB
WDL (Signal to Common)	0.2	0.3	0.2	dB
PMD	0.05	0.1	0.05	ps/nm
Directivity	60	50	60 (TBC)	dB
Power Handling	500	700	700	mW



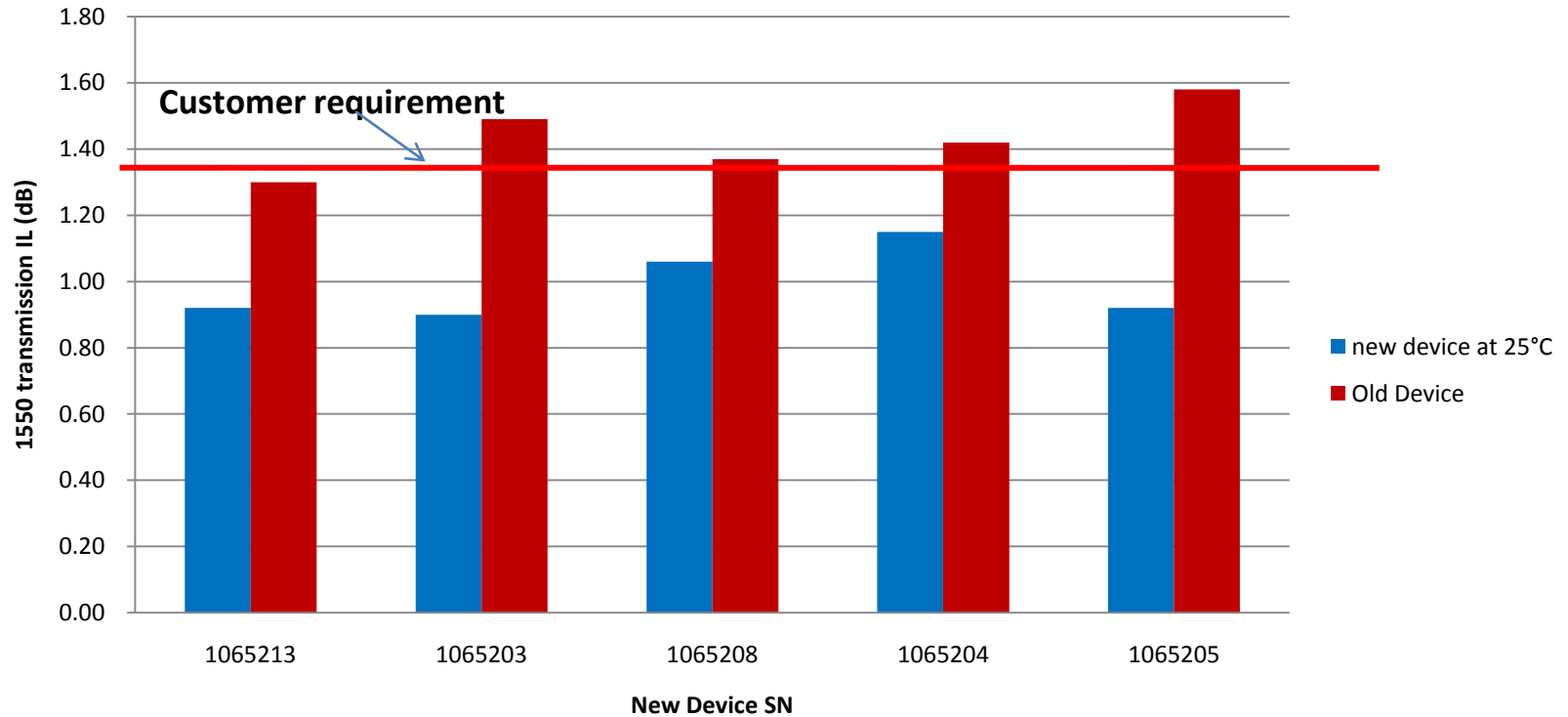
980nm Reflection Loss

Reflection Port IL comparison

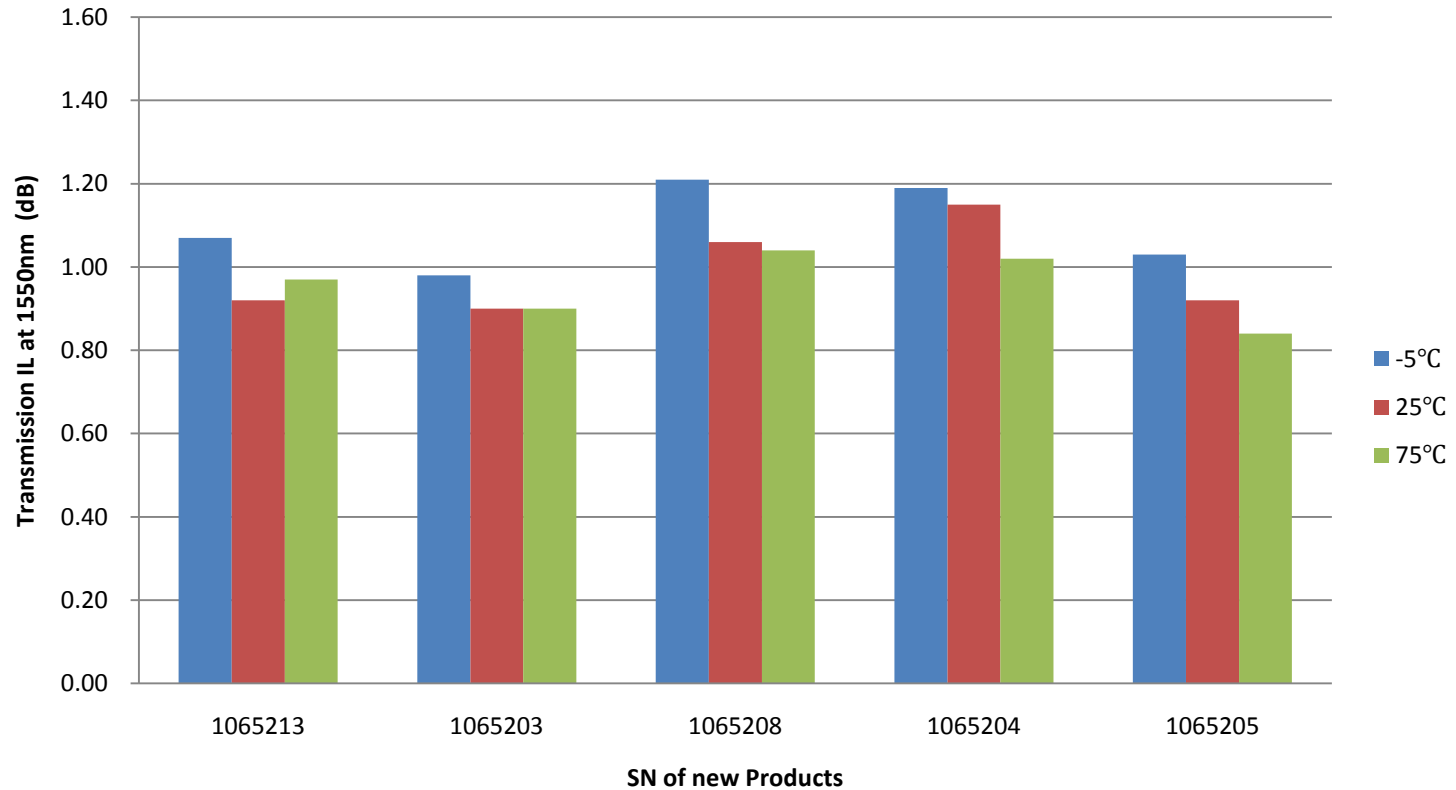


1550nm Transmission Loss

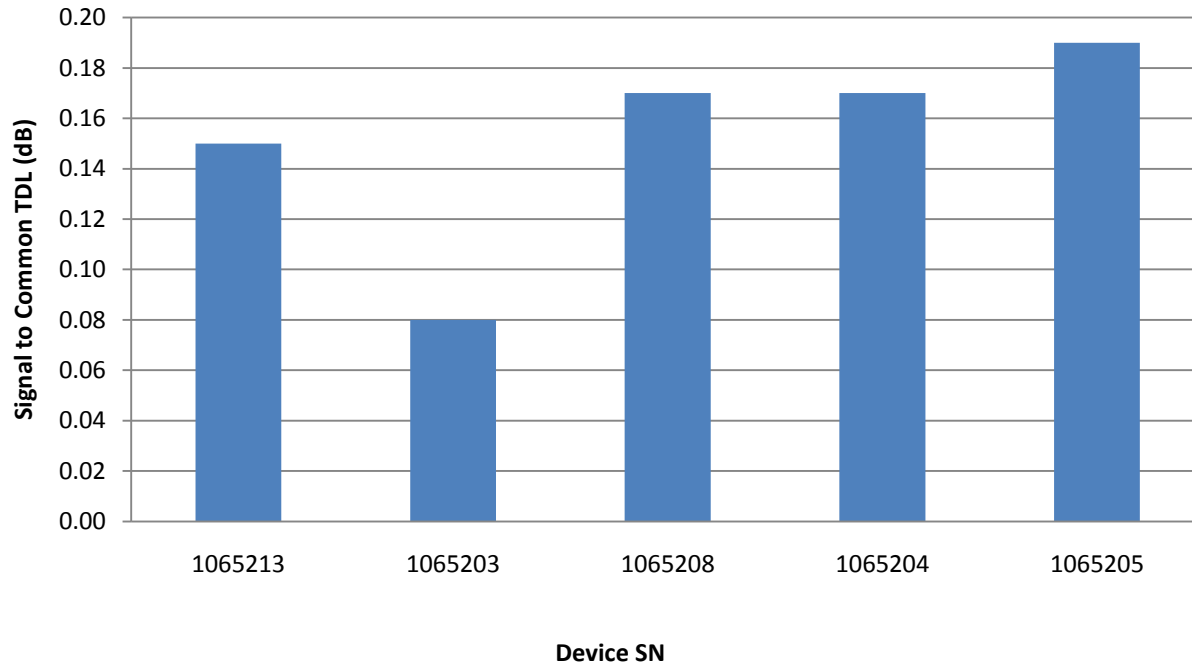
Transmission Port IL comparison
(5% Tap+ISO+WDM)



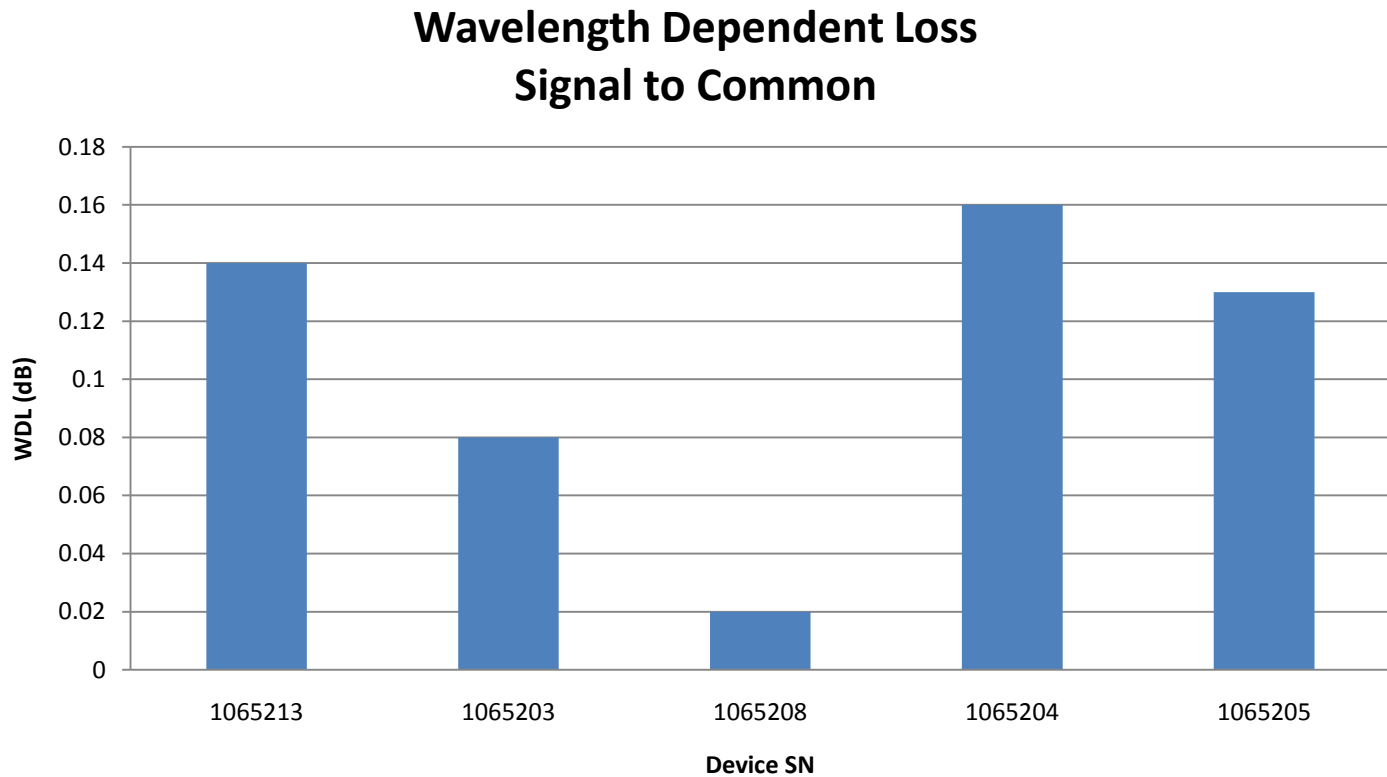
Temperature Dependent Loss (Signal to Common)



TDL Signal to Common (-5°C to +75°C)

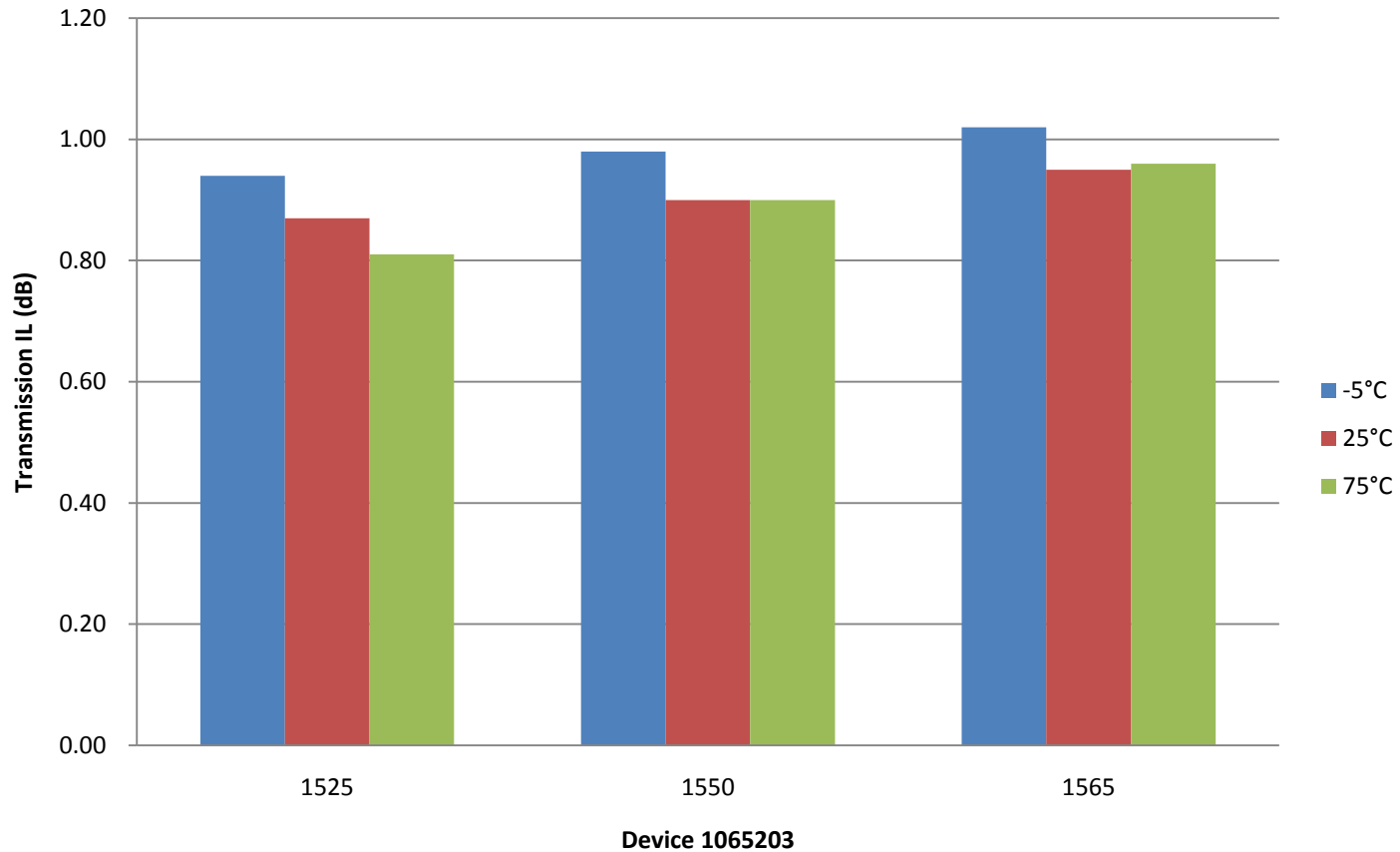


Wavelength Dependent Loss (Signal to Common)

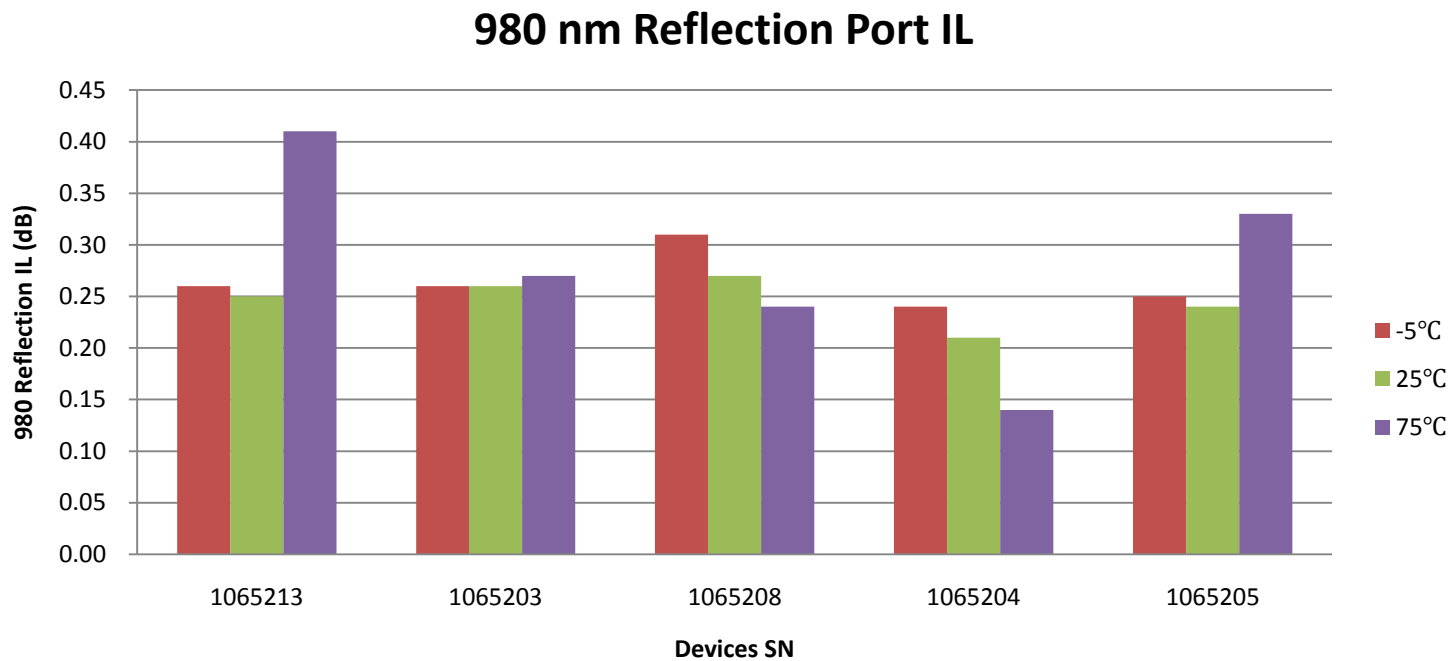


Wavelength Dependent Loss (Signal to Common)

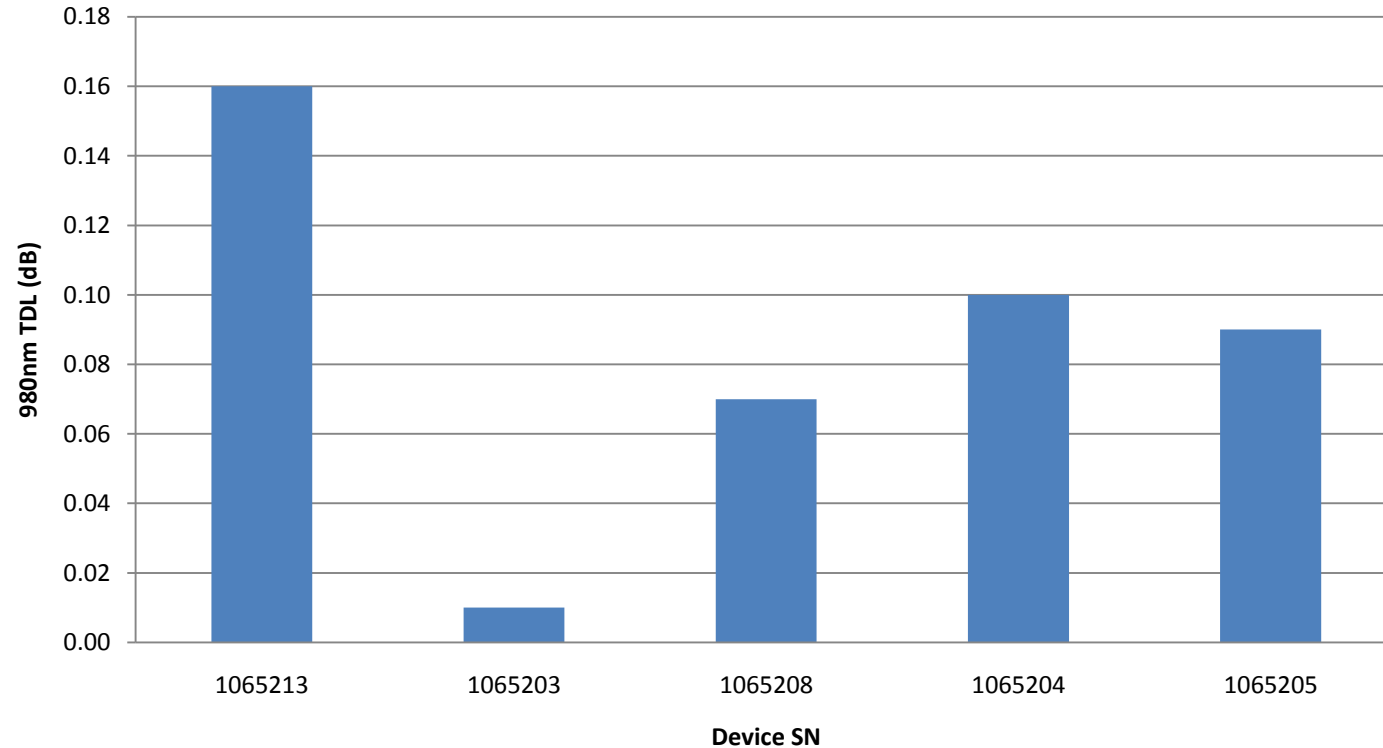
**3in1 Transmission Insertion Loss
Over Wavelength and Temperature**



980nm Reflection Port IL over -5°C to +75°C Temperature Range

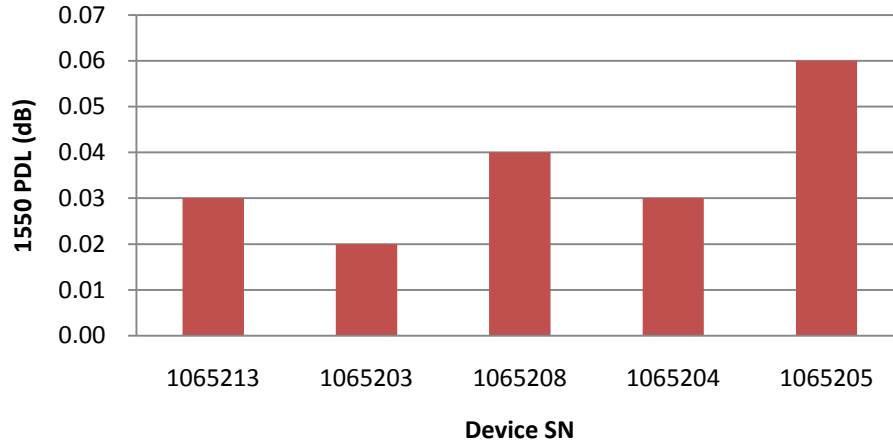


Temperature Dependent Loss (-5°C to +75°C, pump to common)



Polarization Dependent Loss

PDL at 1550 nm Transmission



PDL at 980 nm Reflection

