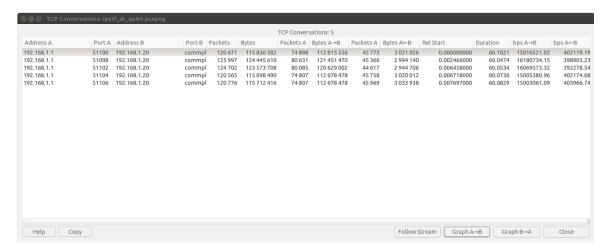
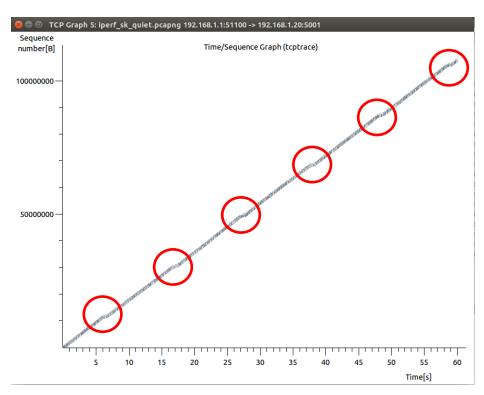
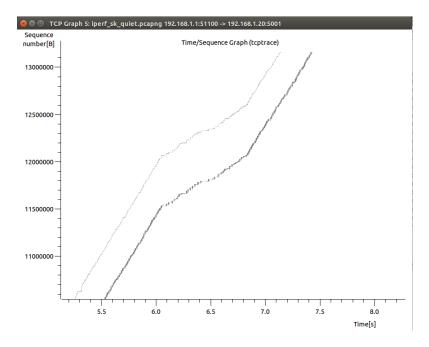
Here are the TCP conversations window from the provided wireshark capture that shows the 5 iperf threads between the link partner and the SK board.



The time graph for the first thread since it had a lower total BW measurement. The circles in the graph highlight some subtle flat portions that look to affect BW.



Using a drag box zoom, you can zoom in on a flat portion of the traffic. You can point and click on the graph to select the actual traffic in the main wireshark window.



One of the locations referenced in the time sequence graph. One thing that catches your eyes is a TCP window adjustment from the iperf server that seems to affect the timing of the next packet coming from the client. This delay is over a milli-second and when compared to the rest of the packet traffic the packets are separated by less than a uS.

When running the iperf test on another machine I noticed I do not have window adjustment packets where the customer provided one has several. My setup uses a Linux Ubuntu setup through a Gb switch to a am335x-evmsk.

🖲 🔞 🚄 🔳 🙍	🛚 逼 🖺 🗶 C	Q () 3	· 7 🛓 🛚	
lter:		▼ Expres	sion Clear A	Apply Save
o. Time	Source	Destination	Protocol	Length Info
174086 17.048968000	192.168.1.1	192,168,1,20	TCP	1514 51098 > commplex-link [ACK] Seg=33066369 Ack=1 Win=29216 Len=1448 TSval=4294951696 TSecr=951978274
174087 17.048969000	192.168.1.1	192.168.1.20	TCP	1514 51098 > commplex-link [ACK] Seg=33067817 Ack=1 Win=29216 Len=1448 TSval=4294951696 TSecr=951978274
174088 17.049071000	192.168.1.20	192.168.1.1	TCP	66 commplex-link > 51104 [ACK] Seq=1 Ack=30277657 Win=523264 Len=0 TSval=951978402 TSecr=4294951696
174089 17.049088000	192.168.1.20	192.168.1.1	TCP	66 [TCP Window Update] commplex-link > 51104 [ACK] Seq=1 Ack=30277657 Win=528640 Len=0 TSval=951978402 TSecr=4294951696
174030 17.043030000	192.100.1.20	192.100.1.1	rer	OO COMMINICA.CITUS > JEGAC [MCW] JEMAC GOOGGO WITH-IIIJOO ECH-II 1848C-JJUJAGO 13CCF-47343JJOO
174091 17.049119000	192.168.1.20	192.168.1.1	TCP	66 [TCP Window Update] commplex-link > 51104 [ACK] Seq=1 Ack=30277657 Win=532736 Len=0 TSval=951978402 TSecr=4294951696
174092 17.050255000	192.168.1.1	192.168.1.20	TCP	1514 51098 > commplex-link [ACK] Seq=33069265 Ack=1 Win=29216 Len=1448 TSval=4294951696 TSecr=951978274
174094 17.050256000	192.168.1.1	192.168.1.20	TCP	1514 51098 > commplex-link [ACK] Seg=33072161 Ack=1 Win=29216 Len=1448 TSval=4294951696 TSecr=951978274
174095 17.050258000	192.168.1.1	192.168.1.20	TCP	1514 51998 > Commplex-Link [ACK] Seg=33073609 ACK=1 Min=29216 Len=1448 TSval=4294951696 Tsecr=951978274
174096 17.050258000	192.168.1.1	192.168.1.20	TCP	1514 51998 > commplex-link ACK Seg=33075057 ACK=1 Win=29216 Len=1448 T5val=4294951696 T5ecr=951978274
174097 17.050250000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex link [ACK] Seg=30544145 ACK=1 Min=2916 Len=1448 TSval=4294951694 TSecr=951978325
174098 17.050259000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seg=30545593 ACK=1 Win=29216 Len=1448 T5val=4294951696 T5ecr=951978325
174099 17.050260000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seg=30547041 ACk=1 Win=29216 Len=1448 T5val=4294951696 T5ecr=951978325
174100 17.050260000	192.168.1.1	192.168.1.20	TCP	1514 51106 > Commplex-Link ACK Seg=30549489 ACK=1 Win=29216 Len=1448 T5val=4294951696 T5ecr=951978325
	192.168.1.20	192.168.1.1	TCP	66 commplex-link > 51098 [ACK] Seq=1 Ack=3307659 Win=105984 Len=0 TSval=951978403 TSecr=4294951696
174102 17.050344000		192.168.1.1	TCP	66 COMMIDIEX-LINK > 51106 ACK Seq=1 ACK=30549937 Win=532736 Len=0 TSVaL=951978403 TSecr=4294951694
174103 17.050356000	192.168.1.20	192.168.1.1	TCP	66 [TCP Window Update] commplex-link > 51098 [ACK] Seg=1 Ack=33076505 Win=110080 Len=0 TSval=951978403 TSecr=4294951696
174104 17.065637000	192.168.1.1	192.168.1.20	TCP	1514 51100 > commplex-link [ACK] Seg=30408729 Ack=1 Win=29216 Len=1448 TSval=4294951697 TSecr=951978373
174105 17.005038000	192.108.1.1	192.108.1.20	TCP	1314 31100 > Committex.filux [acv] 266-3641011/ acv=1 MIH=58710 FGH=1440 12A9f=4584831004/ 1260f=831848313
174106 17.065639000	192.168.1.1	192.168.1.20	TCP	1514 51100 > commplex-link [ACK] Seq=30411625 Ack=1 Win=29216 Len=1448 TSval=4294951697 TSecr=951978373
174107 17.065641000	192.168.1.1	192.168.1.20	TCP	1514 51102 > commplex-link [ACK] Seq=32620273 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978205
174108 17.065641000	192.168.1.1	192.168.1.20	TCP	1514 51102 > commplex-link [ACK] Seq=32621721 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978205
174109 17.065642000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seq=30549937 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978325
174110 17.065642000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seq=30551385 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978325
174111 17.065643000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seq=30552833 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978325
174112 17.065643000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seq=30554281 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978325
174113 17.065644000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seq=30555729 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978325
174114 17.065788000	192.168.1.20	192.168.1.1	TCP	66 commplex-link > 51100 [ACK] Seq=1 Ack=30413073 Win=532736 Len=0 TSval=951978418 TSecr=4294951697
174115 17.065814000	192.168.1.20	192.168.1.1	TCP	66 commplex-link > 51102 [ACK] Seq=1 Ack=32623169 Win=111360 Len=0 TSval=951978418 TSecr=4294951698
	192.168.1.20	192.168.1.1	TCP	66 commplex-link > 51106 [ACK] Seq=1 Ack=30557177 Win=532736 Len=0 TSval=951978418 TSecr=4294951698
174117 17.066252000 174118 17.066253000	192.168.1.1	192.168.1.20	TCP	1514 51106 > commplex-link [ACK] Seq=30557177 Ack=1 Win=29216 Len=1448 TSval=4294951698 TSecr=951978325

Here the filter is set to look for window update messages. The filter was gotten from the wireshark website that provides possible filters to use. When I run the test on my machine I don't see any window update messages, while I see good throughput.

