

Inspired Innovation

Spirent TestCenter

2 层数据统计结果分析参考



编号 版本	修改时间	说明
11000102- 1.00.00	02/18/2009	温明



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0 文档需求

序号	阅读本文前须参考如下文档
01	STC-11000101 -cs010001 用 Bound 方式建立数据流

10 运行测试,查看和分析测试结果

10a 点击 Start traffic on all ports 使端口 1 和端口 2 开始发送数据。

File Edit View Tools Actio	ns Help					
🗋 🐸 🗶 🖓 🖓 🖄	Chassis 👻 📊	🚵 Apply 🛛 🚮) 🔒 🛱		s 🐔 🐔 📄	
Test Configuration				Start	traffic on all port	< ×
🖃 🗁 Spirent TestCenter	📑 Add	🗙 Delete 🛛 🛛	👌 Edit 🛛	Deare	crame on an port	2
🔤 All Ports				10.000	າດຂ	
🔤 🔤 All Hosts				10.0000	10.10	4
- 🕞 All Traffic Generators	State	Active	Name	Index	Controlled By	Source
All Stream Blocks						
📲 🖓 All Traffic Analyzers		<u> </u>	p1p2	0	generator	p1v100
📮 📲 Ports		✓	p2p1	0	generator	p2v100
🖨 🕘 Port //1/1						
Hosts						

10b 按端口统计所有收发报文数量和速率,以及 STC 本身发送和接收的带签名字段的报文数量和速率。 10b1 选择按端口进行结果分析。

Re	esults									
P	ort Traffic > B	asic Traffic Resu	lt s	Cha	nge Result View 👻 📔 🎦 🛛 🚺 🗐	1 of 1				
	Basic Counters	Errors Trigge	rs F	-	Create Table View					
	Port Name	Total Tx Count (Frames)	Tot.		Create Chart View		ate (bps)	Generator Count (Frames)	Generator Sig C
5	Port //1/1	39,521,830	39, .		Customize View		2		39,521,830	39,521,830
	Port //1/2	39, 508, 738	39, .		Reset View		6		39, 508, 738	39, 508, 738
					Save View Layout					
					Enable Charts					
-					Organize Views					
			-2	•	Port Traffic	3	Basic Tra		Traffic Results	1
			-	1	Stream Results	+		Diffser	rv Results	
					Port Protocols	•		Port A	verage Latency Results	
_								Overfl	ow Results	
-								Port P	air Results	
								CPU P	ort Results	

10b2 按端口结果分析-收发报文总数和带签名字段报文总数统计-截图 1。

F	Results								
ſ	Port Traffic > Ba	asic Traffic Resu	ilts Change Res	sult View 👻 🎦 📢	🔰 1 of 1				
	Basic Counters	Errors Trigger	s Protocols I	Undersize/Oversize/Jun	nbo				
I	Port Name	Total Tx Count (Frames)	Total Rx Cours (Frames)	Total Tx Rate (bps) 4	Total Rx Rate 5 (bps)	Generator Count (Frames) 6	Generator Sig Count (Frames) 7	Rx Sig Count (Frames) 8	Total Tx Rate (fps)
	Port //1/1	52,021,828	52,010,289	86, 486, 128	86, 486, 728	52,021,828	52,021,828	52,008,955	84,459
	Port //1/2	52,008,737	52,012,653	86, 486, 624	86, 487, 352	52,008,737	52,008,737	52,011,319	84,459
Ŀ	FOIC //1/2	52,000,757	52,032,055	00,400,024	00,407,002	52,000,757	52,000,757	52,011,013	07,70.

10b3 按端口结果分析-截图 2。

Re	esults							×		
P	ort Traffic > B	asic Traffi	ic Results Change Ri	esult View 👻 🎦 📢	🔰 1 of 1 🕞 👂	0				
	Basic Counters	Errors	Triggers Protocols	Undersize/Oversize/Jumbo						
	Port Name	al Tx Rate)	Total Rx Rate (fps)	Generator Rate (fps)	Generator Rate (Bps)2	Generator Rate (bp)	Generator Sig Rate (fp 🕯 🖌	Rx Sig Rate (fps)5		
D	Port //1/1 159 84,463		84,463	84, 459	10,810,803	86, 486, 424	84,459	84,459		
	Port //1/2	159	84, 463	84, 459	10,810,865	86, 486, 920	84, 459	84, 459		
4										
H	Results Valida	ation Errors	Log - 635 messages					.0		

10c 按流统计收发报文数量和速率,以及时延、丢包数、重包数等。

10c1 选择按详细流结果进行分析

Results											
Port Traffic > Basic Traffic Results Cha	nge Restlemen 🗸 👔 🛛 🕡 🔌	lof1 🕞 🕅									
Basic Counters Errors Triggers F	Create Table View										
Port Name	Create Chart View	e (Bps) G	ienerator Rate (bps)	Generator Sig Rate (fp	os) Rx Sig Rate (fps)						
▶ Port //1/1 159 84,463	Castolilize view	8	6, 486, 520	84,459	84,459						
Port //1/2 159 84, 462	Save View Layout	8	6, 486, 424	84,459	84,458						
	Organize Views										
	Port Traffic	•									
	Stream Results	Traffic	c Group Results	-							
	Part Protocols	► Filtere	Filtered Stream Besults								
			esting Stream Results								
		3 - Detail	led Stream Results								
		Stream									
			In Discreticisailes								
<				100	>						
Results Validation Errors Log - 635 mess	ages										
0c2 按流结果分析-收发报文数量	和速率一截图1。										
Results					×						
Stream Results > Detailed Stream Resul	ts Change Result View 👻 🎦 📢	🥥 1 of 1	🔰 🔰 Select Tx Po	orts: All Ports	▼ Select Rx Ports:						
All Ports 🔹 Change Counter Mod	le: Basic Mode										
28 asic Counters Errors Basic Sequencing	Advanced Sequencing Histograms										
Name/ID Tx Port Name Rx Port Names	Aggregated Rx Tx Count Port Count (Frames)	Rx Count 4 (Frames)	Tx Rate (bps)	Rx Rate (bps) 6	ate (fps)7 Rx Rate						
▶ <i>p1p2/196608</i> Port //1/1 Port //1/2	1 26,518,975	26, 516, 513	21,621,744	21,621,768 21,1	14 21,115						
<i>p1p2/196609</i> Port //1/1 Port //1/2	1 26, 518, 976	26,516,517	21,621,792	21,621,760 21,1	15 21,115						

10c3 按流结果分析一时延-截图 2。

Re	sults								×
Sti	ream Results	> Deta	ailed Stream Resul	t s Change Result Vie	ew 🕶 🎦 🛤 🔌	1 of 1 👔 🔊 🔊 Sele	ect Tx Ports: All Por	ts 🔹 🕴	Select Rx Ports:
All	Ports	-	Change Counter Mod	le: Basic Mode	•				
E	asic Counters	Errors	Basic Sequencing	Advanced Sequence	ing Histograms	54.	12	19.	
	Name/ID	, F (Xx Sig Count Frames) 9	Rx Sig Rate (fp 🕯 🚺	Short Term Avg Latency (us)	Avg Latency (us)	Min Latency (1)3		Expected R 5 Count (Frank 5
Þ	p1p2/196608	2	76, 706, 546	21,114	6.97	6.97	6.54	8.05	26,709,009
	p1p2/196609	2	76, 706, 551	21,114	6.96	6.96	6.53	8.21	26,709,010
	p1p2/196610	2	76, 706, 553	21,114	6.91	6.91	6.53	8.01	26,709,010
	p1p2/196611	2	16, 706, 555	21,114	6.93	6.93	6.54	8.04	26,709,011
	p2p1/262144	2	76, 705, 976	21,114	6.89	6.88	6.52	7.6	26, 705, 736
	p2p1/262145	2	76, 705, 981	21,114	6.81	6.81	6.48	8.96	26, 705, 738
	p2p1/262146	2	76, 705, 983	21,114	6.87	6.87	6.48	7.43	26, 705, 738
	p2p1/262147	2	76, 705, 986	21,114	6.92	6.92	6.5	7.44	26, 705, 739
<							1		>
R	esults Validat	ion Erro	ors Log - 635 messa	ages					13
0c4	4 按流结果	分析-	- 丢包数、重包	数-截图 3。					

5tı	eam Results	> Detailed Stro	eam Results	🖌 🛛 Change Resul	t View 👻 🎦 🛙	📢 🐗 🛛 1 of 1	👂 🕅 Sel	ect Tx Ports: A	l Ports	 Select Rx Ports
All	Ports	🝷 Change 🤇	Counter Mode	Basic Mode	-					
E	asic Counters	Errors Basic	Sequencing	Advanced Sequ	encing Histogr	ams				
	Name/ID	T× Port Name	Rx Port Names	Tx Count (Frames)	Rx Count (Frames)	Dropped Count (Frames)	Dropped 3 Frame Percent	In-order Count (Frames) 4	Reordered 5 Count (Frames)	Duplicate Courts (Frames)
۶.	p1p2/196608	Port //1/1	Port //1/2	27,384,684	27,382,222	0	0	27,382,222	0	0
-		E I ULLA	B L HLB	07.004.00C	07.000.00C	-	1.0			

10c5 按流结果分析-丢包数、重包数-截图 4。

All Ports	 Change Count 	ter Mode: Basic Mode	-				
Basic Counters	Errors Basic Sequ	uencing Advanced Sec	uencing Histog	Irams			
Name/ID	Late Count (Frames)	Dropped Rate (fps)	Dropped Frame Perce	In-order Rate (fps <mark>)</mark> 이	Reordered Rate (fps)	Duplicate Rate (fps)	Late Rate (fp
▶ p1p2/196608	0	0	0	21,114	0	0	0
n1n2/1966/19	0	0	a	21 115	0	0	0

10d 按流块统计收发报文数量和最小最大时延及抖动等。

10d1 选择使用 Jitter Mode 进行结果分析

Res	Results											
Str	eam Results :	> Detailed Stre	am Results	Chan	ge Result View 👻 🎦 🛙							
All F	Ports	🝷 Change C	iounter Mode:	Basic	Mode 🚺 🔶 🔽							
B	asic Counters	Errors Basic S	Sequencing	A Basic I Histor	Mode Histogra							
	Name/ID	Late Coun (Frames)		R Inter-	Mode arriva vime Mode rce							
M	<i>p1p2/196608</i>	0	0	Forwa	arding Performance							
10d	0d1选择使用 Stream Block Results 进行结果分析											
	outo Deserba	n n - t - il - d ct-		I char	1 - 1 - 1	1 af 1		N No. Calact Ty Dayter	All Davida			
Str	eam Results	> Detailed Stre	eam Results	Chan	nge Result View 👻 🛛 🔤 🗍 🗤			P PI Select TX Ports:	All Ports			
All	Ports		Lounter Mode:		Create Table View							
В	Basic Counters Errors Basic Sequencing				Create Chart View							
	Name/ID	Tx Port Name	Rx Port Names	2	Customize View							
Þ	p1p2/196608	Port //1/1	Port //1/2	4								
	p1p2/196609	Port //1/1	Port //1/2	4	Save view Layout							
	p1p2/196610	Port //1/1	Port //1/2	4	Enable Charts							
	p1p2/196611	Port //1/1	Port //1/2	4	Organize Views		L					
	p2p1/262144	Port //1/2	Port //1/1	4	Port Traffic		1					
	p2p1/262145	Port //1/2	Port //1/1	10-1	Fore marine							
	p2p1/262146	Port //1/2	Port //1/1	4-	Stream Results	•		Trattic Group Results				
	p2p1/262147	Port //1/2	Port //1/1	4	Port Protocols	+		Filtered Stream Results				
								Interesting Stream Result	s			
								Detailed Stream Results				
						3.		Stream Block Results				

10d3 按流块结果分析-收发报文数量和最小、最大时延及抖动等一截图 1。

R	esults									×
5	Stream Results > Stream Block Results Change Result View + 🖗 資 🗐 🖬 🜗 1 of 1 🌗 🕅 Show: All Ports 🔹 Change Counter Mode: Jitter Mode 🔹									
1	Basic Counters	Errors Basic	: Sequencing	Advanced Sequenc	ing Histograms					
	Tx Port Name	Rx Port Names	Stream Block	Tx Count (Frames) 2	Rx Count (Frames) 3	Min Latency (us) 4	Max Latency (us	Avg Jitter (us) 6	Min Jitter (us)	Max Jitter 🐤
	Port //1/1	Port //1/2	p1p2	180,087,567	3,494,131	6.53	7.83	0.11	0	0.84
	Port //1/2	Port //1/1	p2p1	180,087,311	3, 552, 524	6.48	7.48	0.12	0	0.87
Ľ										
	Results Validat	ion Errors Lo	g - 648 message:	s						ĸ

10e 使用 Filter 统计报文特定字段的收发报文数量、速率、时延及抖动等。

10e1 选择使用 Traffic Analyzer 定义 Filter。增加 VLAN 字段。



10e3 选择 Filtered Stream Results 方式观察统计结果

Re	Results										
Sti	ream Results :	> Filtere	d Stream Results	Cha	inge Result wiew 🔻 🎦 🔍 🔌	1 of 1	1 🕑 📦 Show: Port //1/2				
Ba	sic Mode	•			Create Table View						
E	asic Counters	Errors	Basic Sequencing		Create Chart View						
	Rx Port Name	Vlan 0 ID (int) Source MAC		Customize View		R× R	ate (bps)	Rx Sig Count (Frames)	R	
Þ	Port //1/2	101	00:10:94:01:00	2			21,6	21,752	1,964,796	2	
	Port //1/2	101	00:10:94:01:00	2	Save View Layout		21,6	21, 768	1, 964, 798	2	
	Port //1/2	100	00:10:94:01:00	2	Enable Charts		21,6	21,768	1,964,789	2	
	Port //1/2	100	00:10:94:01:00	9	Organize Views		21,6	21,712	1,964,793	2	
					Port Traffic	•					
				2-	Stream Results			Traffic Gr	oup Results		
					Port Protocols	3-		Filtered S	tream Results		
				_				Interestir	ng Stream Results		
								Detailed	Stream Results		
_								Stream Bi	lock Results		

10e4 Filtered Stream Results 方式观察统计结果一按 VLAN 和源 MAC 地址的取值为索引统计接收报文数量和速率一截图 1

Results						_			×
Stream Results > Filtered Stream Results Change Result View + 😭 🖬 🍕 1 of 1 🕠 🙎 Show: Port //1/2 🔹 Change Counter Mode:									
Basic Counters	Errors Ba	sic Sequencing 🛛 Adva	anced Sequencing	Histogra	ms (Latency)				
R× Port Name	Vlan 04 ID (int)	Source MAC 4	R× Stream Id	Stream Index	Rx Count (Frames)	Rx Rate (bp	Rx Sig Count (Frames)	Rx Rate (fpg)	
Port //1/2	101	00:10:94:01:00:03	196610	0	2,154,830	21,621,560	2,154,830	21,114	21,114
Port //1/2	101	00:10:94:01:00:04	196611	Í	2,154,832	21,621,600	2,154,832	21,114	21,114
Port //1/2	100	00:10:94:01:00:01	196608	2	2,154,823	21,621,536	2,154,823	21,114	21,114
Port //1/2	100	00:10:94:01:00:02	196609	3	2,154,827	21,621,560	2,154,827	21,114	21,114
<		1111			ĥ				>
Results Validati	ion Errors 1	Log - 676 messages				÷			

10e5 Filtered Stream Results 方式观察统计结果一时延一截图 2

Re	Results											
St	Stream Results > Filtered Stream Results Change Result View 🗸 😭 🛤 🔌 1 of 1 💿 🕼 Show: Port //1/2 🔹 🔹 Change Counter Mode:											
Ba	sic Mode	-										
E	asic Counter	Errors	Basic Se	equencing	Advance	d Sequencing	g Histogr	ams (Latency)				
	Rx Port Nar	ne Vlan ID (in	0 - sou	Irce MAC	Rx	: Stream Id	Stream Index	Rx Sig Rate (fps) Short Term A Latency (us)	Avg Later	(us)	Max Latency (us) 4
Þ	Port //1/2	101	00;	10:94:01:00	:03 19	6610	0	21,114	6.91	6.91	6.53	7.57
	Port //1/2	101	00;	10:94:01:00	:04 19	6611	1	21,113	6.93	6.93	6.54	7.58
	Port //1/2	100	00).	10:94:01:00	01 19	6608	2	21,114	6.97	6.97	6.54	7.49
	Port //1/2	100	00).	10:94:01:00	02 19	6609	3	21,114	6.96	6.96	6.53	7.81
<		- 11	1		1		10		No.			>
B	esults Vali	fation Ettor	s Log-I	676 message	98							
10e	5 Filtered	Stream I	2eculte -	方式观察	统计结	里-手句	截图	3				
Re	sults	Stream			- 7 L F 1 -A			5				x
Sh	ream Resul	s > Filter	ed Stream	m Results	Chapge	Result View	• 2 47 10	1 of 1	N NR I Show	N: Port 1/1/2	* 10	bange Counter Mode:
Ba	cic Mode		cu streu	in Results	rendrige	NOSAIC HOM			a laner	1010/11/2	10	
F	lasic Counter	Errors	Basic Se	equencing	Advance	d Sequencin	1 Histoar	ams (Latencu)				
	Rx Port	Vlan 0 - 👝	Cause M	ac O	Rx	Stream R	x Count _	Sequence 5 Drop	oped Count	opped 7	In-order Count	Reordered Count
	Name	ID (int) 🖊	Source M	^{HL} 3	Strea	Index (Frames)4	Run Length (Fra	mes) 🚺 🛛 Fra	ame Percent	(Frames) 💍	(Frames)
1	Port //1/2	101	00:10:94.	:01:00:03	196610	0 3	, 759, 560	3,759,560 0	0		3, 759, 560	0
_	Port //1/2	101	00:10:94.	:01:00:04	196611	1 3	, 759, 562	3,759,562 0	0		3, 759, 562	0
	Port //1/2	100	00:10:94.	:01:00:01	196608	2 3	, 759, 553	3, 759, 553	0		3, 759, 553	0
_	Port //1/2	100	00:10:94.	:01:00:02	196609	3 3	, 759, 556	3,759,556 0	0		3, 759, 556	0
_						2 20						
<			1111					N A				>

Results Validation Errors | Log - 676 messages |

10e6 Filtered Stream Results 方式观察统计结果-丢包-截图 4、5

Re	Results										
St	ream Resu	lts > Filter	ed Stream Results	Change	Result Vie	w 🕶 🎦 🕅	4 1 of 1	👂 🕅 She	ow: Port //1/2	• CH	ange Counter Mode:
Ba	sic Mode	•									
E	Basic Counters Errors Basic Sequencing Advanced Sequencing Histograms (Latency)										
	Rx Port Name	Vlan 0 - ID (int)	Source MAC	Rx Strea	Stream Index	Duplicate Cou (Frames)	Late Count (Frames)	Dropped 2 Rate (fps)	Dropped Fran3 Percent Rat	In-order Rate (fps)	Reordered Rate 55
Þ	Port //1/2	101	00:10:94:01:00:03	196610	0	0	0	0	0	21,114	0
	Port //1/2	101	00:10:94:01:00:04	196611	1	0	0	0	0	21,114	0
	Port //1/2	100	00:10:94:01:00:01	196608	2	0	0	0	0	21,115	0
	Port //1/2	100	00:10:94:01:00:02	196609	3	0	0	0	0	21,114	0
		1 2		d (W			N		>
<											
K	oculte Va	lidation Error	s I Log - 676 messag	102							
R	esults Va	lidation Error	s Log - 676 messag	jes							
Re	esults Va sults	lidation Error	s Log - 676 messag	jes							×
Re St	esults Va sults ream Resu	lidation Error Its > Filter	s Log - 676 messag red Stream Results	jes Change	Result Vie	w - 🎦 04	🧃 1 of 1	D De She	ow: Port //1/2	• 0	× ange Counter Mode:
Re Re Sti Ba	esults Va sults ream Resu sic Mode	lidation Error Its > Filter	s Log - 676 messag ed Stream Results	jes Change	Result Vie	w - ≗⊐ 04	4 1 of 1	D De She	ow: Port //1/2	• C	× ange Counter Mode:
Re Str Ba	esults Va sults ream Resu sic Mode Basic Counte	lidation Error Its > Filter Trors	s Log - 676 messag red Stream Results Basic Sequencing	jes Change Advance	Result Vie d Sequend	w ▾ ≗∰ ₽◀ cing Histogra	1 of 1 ms (Latency)	D D0 Sho	ow: Port //1/2	• C	× ange Counter Mode:
Re Re Ba	esults Va sults ream Resu sic Mode Basic Counte Rx Port Name	lidation Error Its > Filter TS Errors Vlan 0 - ID (int)	s Log - 676 messag red Stream Results Basic Sequencing Source MAC	I Change Advance Rx Strea	Result Vie d Sequend Stream Index	w ▾ ≗ ੈੈ 04 cing Histogra opped Frame rcent Rate	1 of 1 ms (Latency) In-order Rate (fps)	Reordered Rate	ow: Port //1/2 e (fps) Duplica	• Ch ate Rate (fps)	ange Counter Mode:
Re Re Ba E	esults Va sults ream Resu sic Mode Basic Counte Rx Port Name Port //1/2	lidation Error Its > Filter TS Errors Vlan 0 - ID (int) 101	s Log - 676 messag red Stream Results Basic Sequencing Source MAC 00:10:94:01:00:03	es Change Advance Rx Strea 196610	Result Vie d Sequend Stream Index	w ▼ ≗ 🔁 📭 cing Histogra opped Frame rcent Rate	1 of 1 ms (Latency) In-order Rate (fps) 21,114	Reordered Rate	ow: Port //1/2 e (fps) Duplica	• Ch ate Rate (fps)	ange Counter Mode: Late Rate (fps)
Re Ba E	esults Va sults ream Resu sic Mode Basic Counte Rx Port Name Port //1/2 Port //1/2	Idation Error Its > Filter TS Errors Vlan 0 - ID (int) 101	s Log - 676 messag red Stream Results Basic Sequencing Source MAC 00:10:94:01:00:03 00:10:94:01:00:04	Advance Rx Strea 196610	Result Vie d Sequent Stream Index <i>0</i> <i>1</i>	w ▼ 🎦 04 cing Histogra opped Frame rcent Rate	1 of 1 ms (Latency) In-order Rate (fps) 21, 114 21, 114	Reordered Rate	ow: Port //1/2 e (fps) Duplica 0	• Ch ate Rate (fps)	Aange Counter Mode:
Re Ba E	esults Va sults ream Resu sic Mode Basic Counte Rx Port Name Port //1/2 Port //1/2 Port //1/2	Idation Error Its > Filter TS Errors Vlan 0 - ID (int) 101 100	s Log - 676 messag ed Stream Results Basic Sequencing Source MAC 00:10:94:01:00:03 00:10:94:01:00:04 00:10:94:01:00:01	Advance Rx Strea 196610 196601 196608	Result Vie d Sequend Stream Index 0 1 2	w → 🎦 🔍 cing Histogra opped Frame rcent Rate	1 of 1 ms (Latency) In-order Rate (fps) 21,114 21,114 21,114	Reordered Rate	ow: Port //1/2 e (fps) Duplica 0 0 0	• Ch ate Rate (fps)	Aange Counter Mode:
Re Str	esults Va sults ream Resu sic Mode Basic Counte Rx Port Name Port //1/2 Port //1/2 Port //1/2	Idation Error Its > Filter TS Errors Vlan 0 - ID (int) 101 100 100	s Log - 676 messag ed Stream Results Basic Sequencing Source MAC 00:10:94:01:00:03 00:10:94:01:00:01 00:10:94:01:00:02	es Advance Advance Rx Strea 196610 196608 196609	Result Vie d Sequend Stream Index 1 2 3	w ▼ 🎦 04 cing Histogra opped Frame rcent Rate	1 of 1 ms (Latency) In-order Rate (fps) 21,114 21,114 21,114 21,114	Reordered Rate	e (fps) Duplica 0 0 0 0	• Ch ate Rate (fps)	Aange Counter Mode: Late Rate (fps) 0 0 0 0
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Re Ba E	esults Va sults ream Resu sic Mode Basic Counte Rx Port Name Port //1/2 Port //1/2 Port //1/2	Idation Error	E Log - 676 messag ed Stream Results Basic Sequencing Source MAC 00:10:94:01:00:03 00:10:94:01:00:01 00:10:94:01:00:02	Advance Advance Rx Strea 196610 196609 196609	Result Vie d Sequend Stream Index 0 1 2 3	w → 🎦 🕪 cing Histogra opped Frame rcent Rate	1 of 1 ms (Latency) In-order Rate (fps) 21,114 21,114 21,114 21,114	Reordered Rate	ow: Port //1/2 e (fps) Duplica 0 0 0 0	ete Rate (fps)	Late Rate (fps)

10e6 Filtered Stream Results 方式使用 Jitter 模式观察结果一截图 6

Results							
Stream Results > Filtered Stream Results							
	_						
Basic Sequencing	Advance	d Sequenc	ing				
Source MAC	Rx Strea	Stream Index	Rx Co (Fran				
00;10;94;01;00;03	196610	0	25,02				
00:10:94:01:00:04	196611	1	25,02				
	Basic Sequencing Source MAC 00:10:94:01:00:03	Basic Sequencing Advances Source MAC Rx Strea 00:10:94:01:00:03 196610 00:10:94:01:00:04 196611	Basic Sequencing Advanced Sequence Source MAC Rx Stream Stream 00:10:94:01:00:03 196610 0				

10e7 若弹出对话框则选择 OK。



Changing counter mode requires stopping and restarting the Analyzer. All stream counters will be cleared.

The application will do this automatically when you click $\ensuremath{\mathsf{OK}}$.

Do not prompt me about this again.



10e8 Filtered Stream Results 方式使用 Jitter 模式观察结果一抖动一截图 7

iesults X												
ream Resu	ilts > Filter	ed Stream Results	Change	Result Vier	<mark>₩</mark> + <u>°</u> ●	1 of 1	D De She	ow: Port //1/	2 🔺	Change Cou	nter Mode:	
ter Mode	-											
Basic Counte	ers Errors	Basic Sequencing	Advance	d Sequenc	ng Histogr	ams (Latency)						
Rx Port Name	Vlan 0 - 1 ID (int)	Source MAC 2	Rx Strea	Stream Index	Rx Count (Frames)	Rx Rate (fps) 4	Min Latency (us)	Max Latency (us)	Short Term Avg Jitter (us)	Avg Jitter (us)	Min Jitter 9 (us)	Max Jitte 0
Port //1/2	101	00:10:94:01:00:03	196610	0	1,210,688	21,114	6.53	7.39	0.12	0.12	0	0.83
Port //1/2	101	00:10:94:01:00:04	196611	1	1,210,690	21,114	6.54	7.72	0.1	0.1	0	0.78
Port //1/2	100	00:10:94:01:00:01	196608	2	1,210,681	21,114	6.54	7.84	0.09	0.09	0	0.78
Port //1/2	100	00:10:94:01:00:02	196609	3	1,210,685	21,114	6.53	7.53	0.11	0.11	0	0.76
esults Va	lidation Error	s Log - 694 messag	es									

10f 使用 Capture 进行抓包分析。

10f1 设置报文解码器。

10f1a 进入设置报文解码器窗口。

Eile Edit <u>V</u> iew <u>T</u> ools <u>A</u> ctions <u>H</u> elp	
🗋 💕 🛃 🎇 👗 🗈 🖺 🎉 Chassis 🗸	🊵 Apply 🎄 🚓 🛱 🛤 🖪 🖡 👫 🐔 🐔
Test Configuration	×
Spirent TestCenter All Ports All Ports All Traffic Generators All Stream Blocks All Traffic Analyzers Ports Port //1/1 Hosts Port //1/1 Port //1/1 Port //1/2 Port /	Start Stop View Image: Copy to Ports General Pattern Definition Qualify Events Start Eve Capture Engine Modes Sice D Capture Mode: Regular Mode Sice Sice Capture Source: Tx/Rx Mode Includes 8-Bytes Real-Time Mode: Disabled Size: Bytes (eve Buffer Action: (when full) Wrap Size: Statistics Current state Ready Frames captured: 0 Elapsed time: 0:00:00 Statistics 0
Applied 1 object change(s) to the hardware	

10f1b在弹出窗口选择 Browse 选定解码器

Select the decoders to view your captured files. Use "Browse" to find the executable file or "Reset" to clear the selection.

Analyzer/Decoder Viewer		
Executable Path:	14	Browse
None	~	Reset
ClearSight Analyzer for Spirent is the only supporte mode. Contact your Spirent representative for more	ed decoder for F e information.	Real-Time
Analyzer/Decoder Real-Time Viewer		
Executable Path:		Browse
None		Reset
	ОК	Cancel

10f1c 在弹出窗口选择 Browse 选定解码器的运行文件

Look in:	🚞 Wireshark		*	3 🦻	ø	•	
My Recent Documents	iameter dtds tc help bib plugins radius snmp	WinPcap_4_0_1					
My Documents My Computer	Capinfos dumpcap editcap mergecap text2pcap tshark uninstall						
My Network	File name: Files of type:	wireshark Executable Decode files (*.ex	e)		~	2	Open Eancel

10f1d 点击 OK 完成解码器设置

Select the decoders to view your captured files. Use "Browse" to find the executable file or "Reset" to clear the selection.

Analyzer/Decoder Viewer	
Executable Path:	Browse
C:\Program Files\Wireshark\wireshark.exe	Reset
ClearSight Analyzer for Spirent is the only supp mode. Contact your Spirent representative for	ported decoder for Real-Time more information.
Analyzer/Decoder Real-Time Viewer	
Executable Path:	Browse
None	Reset
	1- OK Cancel

10f2 点击 Start 开始抓包。

<u>File Edit View Tools Actions Help</u>	
🗋 💕 🛃 🎇 🐰 🗈 🛍 🎉 Chassis 🗸	🏝 Apply 🚓 🚓 🛤 🛤 🦚 🦷 🐔 🐔
Test Configuration	😽 <mark>Start</mark> 🖓 Stop 🖹 View 🝙 + 🌇 Copy to Ports
	Gehtigal Pattern Definition Qualify Events Start Events
All Traffic Generators	Capture Mode: Regular Mode V Slice Mod
Ports Port //1/1	Capture Source: Tx/Rx Mode ✓ Includes ٤ Real-Time Mode: Disabled ✓ Size: Byte
Hosts Traffic Generator Traffic Analyzer Capture Port /// /2	Buffer Action: (when full) Wrap 💌
Fort 772 Fort 772	
Capture Settings	Statistics Current state @ Ready Frames captured: 0 Elapsed time: 0:00:00

10f3 点击 View 调用解码器分析报文。



10f4 解码器分析报文截图。

11 常见问题