



RFC 2544 Testing Example

1. Select The EtherScope Remote Device



The screenshot displays the 'RFC 2544 Performance Tests' application window. On the left, the 'Link Status' section shows IP: 010.044.010.114, Speed: 100Mb, and Duplex: Full. The main area contains a table with columns 'Include Test/Target' and 'Status'. The 'RFC 2544' row is selected, and its sub-items are checked and ready to run.

Include Test/Target	Status
<input checked="" type="checkbox"/> RFC 2544	Ready to Run
<input checked="" type="checkbox"/> RFC 2544 Throughput	Ready to Run
<input checked="" type="checkbox"/> RFC 2544 Latency	Ready to Run
<input checked="" type="checkbox"/> RFC 2544 Loss	Ready to Run

The 'Add Device' dialog box is open, showing the selected device 'EtherScope-c026a5' and IP address '010.044.010.113'. The dialog includes 'OK' and 'Cancel' buttons.

Buttons at the bottom of the main window: Add Device, Remove Device, 100Mb, Configure, Results, Start, Report, and a toolbar with icons for home, search, and help.

2. Double Check the IP and Speed/Duplex



Link Status

IP: 010.044.010.114
Speed: 100Mb
Duplex: Full

Include Test/Target	Status
<input checked="" type="checkbox"/> RFC 2544	Ready to Run
<input checked="" type="checkbox"/> RFC 2544 Throughput	Ready to Run
<input checked="" type="checkbox"/> EtherScope-c026a5	Ready to Run
<input checked="" type="checkbox"/> RFC 2544 Latency	Ready to Run
<input checked="" type="checkbox"/> EtherScope-c026a5	Ready to Run
<input checked="" type="checkbox"/> RFC 2544 Loss	Ready to Run
<input checked="" type="checkbox"/> EtherScope-c026a5	Ready to Run

Buttons: Add Device, Remove Device

Navigation: 100Mb, Configure, Results, Start, Report

System tray: 1:36 PM

3. Review Throughput Test Settings



Throughput Device Configuration

EtherScope-c026a5

Remote Device
Name: EtherScope-c0...
IP: 010.044.010.113

Link Status
IP: 010.044.010.114
Speed: 100Mb
Duplex: Full

Override RFC 2544 Frame Defaults

Content: Incrementing Byt
Timeout: 10
Size: Sweep
Port: 3842

802.1Q/IP TOS Overrides

Priority: 0
DSCP: 0

Override RFC 2544 Throughput Defaults

Duration: 2 seconds
Maximum Rate (bps): 100M
Measurement Accuracy: 99.5%

Apply
Defaults

100Mb Configure Results Start Report

1:36 PM

4. Review Latency Test Settings



Latency Device Configuration

RFC

EtherScope-c026a5

Remote Device
Name: EtherScope-c0...
IP: 010.044.010.113

Link Status
IP: 010.044.010.114
Speed: 100Mb
Duplex: Full

Override RFC 2544 Frame Defaults

Content: 802.1Q/IP TOS Overrides
Timeout: Priority:
Size: DSCP:
Port:

Override RFC 2544 Latency Defaults

Duration:
Rate (bps):
Iterations:

1:37 PM

5. Review Loss Test Settings



Loss Device Configuration

EtherScope-c026a5

Remote Device
Name: EtherScope-c0...
IP: 010.044.010.113

Link Status
IP: 010.044.010.114
Speed: 100Mb
Duplex: Full

Override RFC 2544 Frame Defaults

Content: 802.1Q/IP TOS Overrides

Timeout: Priority:

Size: DSCP:

Port:

Override RFC 2544 Loss Defaults

Duration: Failure Threshold (frames lost):

Rate (bps):

Step Size:

1:38 PM

6. Review Test Status After Pressing Start



RFC 2544 Performance Tests

Link Status
IP: 010.044.010.114
Speed: 100Mb
Duplex: Full
Running
Elapsed time: 000:00:12

Include Test/Target	Status
<input checked="" type="checkbox"/> RFC 2544	Running...
<input checked="" type="checkbox"/> RFC 2544 Throughput	Running...
<input checked="" type="checkbox"/> EtherScope-c026a5	Running...
<input checked="" type="checkbox"/> RFC 2544 Latency	Waiting to Run...
<input checked="" type="checkbox"/> EtherScope-c026a5	Waiting to Run...
<input checked="" type="checkbox"/> RFC 2544 Loss	Waiting to Run...
<input checked="" type="checkbox"/> EtherScope-c026a5	Waiting to Run...

Add Device
Remove Device

100Mb | **Configure** | **Results** | **Stop** | **Report** | [Home] [Help] [Refresh] [Back] [Forward]

1:39 PM

7. Ensure All Test Entries Report Complete



Throughput Device Results

RFC

EtherScope-c026a5

Remote Device
IP: 010.044.010.113
Speed: 100Mb
Duplex: Full

Local Device
802.1Q: Disabled
Accur.: 99.5%

Running
Elapsed time: 000:00:33

Display Mode
 BPS
 FPS

View Mode
 Table
 Graph

RFC 2544 Upstream (local to remote) Throughput Results (BPS)

Status	Frame Size	Max Rate	Actual Rate	Frames Lost
Complete	64	99999648	99999648	0
Complete	128	99999456	99999456	0
Complete	256	99998112	99998112	0
Complete	512	99998976	99998976	0
Complete	1024	99998496	99998496	0
Waiting	--	--	--	--
Waiting	--	--	--	--

RFC 2544 Downstream (remote to local) Throughput Results (BPS)

Status	Frame Size	Max Rate	Actual Rate	Frames Lost
Complete	64	99999648	99999648	0
Complete	128	99999456	99999456	0
Complete	256	99998112	99998112	0
Complete	512	99998976	99998976	0
Complete	1024	99998496	99998496	0
Waiting	--	--	--	--
Waiting	--	--	--	--

100Mb Configure Results Stop Report

1:39 PM

8. Use the Graph Option to Graphically Show Results

