ByteBlower

ByteBlower Endpoint
DATASHEET

SUPPORTED DEVICES

Operating System	Android	Apple iOS	Microsoft Windows	Apple macOS
Minimum version	7.0	9.2.1	Windows 7	El Capitan 10.11.5

FEATURES AND BENEFITS

Generic Features

- Real-world network behavior on the transport layer
- One client can control multiple ByteBlower Endpoints
- Packet loss measurements
- Latency, latency distribution and jitter measurements
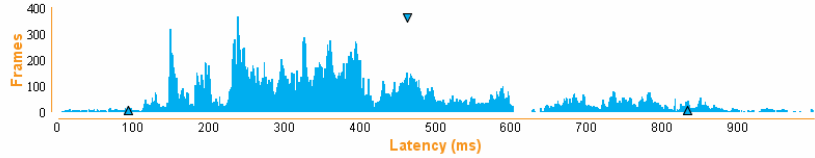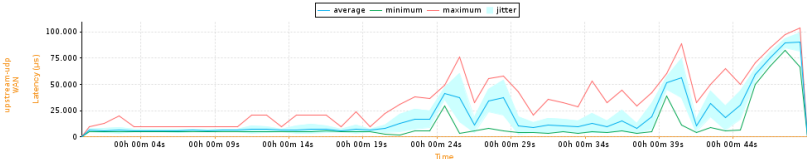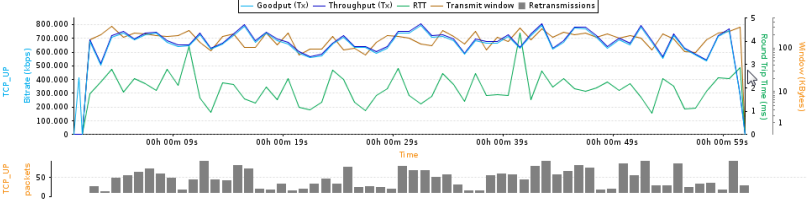- Testing NAT-ed devices
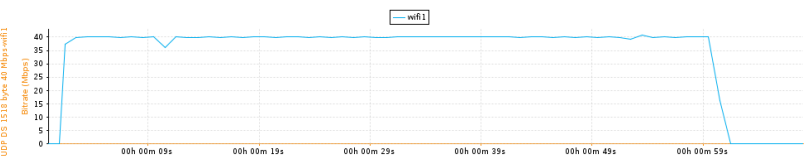- WMM (Wi-Fi Multimedia) support

User interaction features

- Time-saving and intuitive platform-independent graphical user interface (GUI)
- Scheduled execution using batches
- Import of PCAP files
- Full control of start and stop times of each flow
- Automated project creation using wizards
- Automatic frame creation and addressing or control at bit level
- Clear report in HTML and in Microsoft® Excel or CSV format
- Automatic project backup
- RFC2544
- Low cost of ownership and ease of use, everything included

Automation

- Execution of GUI configurations from command line
- Fully flexible scripting capabilities with platform independent Tcl API or Python API

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GENERATION & ANALYSIS

Frame size with CRC	64 — 1518 bytes
Flow statistics	**Latency distribution** **Latency over time** **TCP throughput over time** **Frameblasting throughput over time**
Protocols	• UDP • TCP
Features	• Import PCAP frames

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SUPPORTED DEVICES

Our solution is device independent. It should work on all devices running the one of the supported OSes, but our solution is tested and guaranteed on the below mentioned selection.

Android	Apple iOS	Microsoft Windows	Apple macOS
Samsung Galaxy S6/ S7/S8/S10/S20/S21	iPhone 6s/7/8/11/12/13	Dell Lattitude 5570 running Windows 10 professional	MacBook Pro 2013
Samsung Tab S2 10.1	iPad 2	Microsoft Surface Book 2	MacBook Pro 2017
Samsung Tab S7	iPad Air 2/4		

SUPPORTED DEVICES

		Android	Apple iOS	Microsoft Windows	Apple macOS
Results over time (graph, table)	TCP out	✅	✅	✅	✅
	TCP in	✅	✅	✅	✅
	UDP out	✅	✅	✅	✅
	UDP in	✅	✅	✅	✅
Configurable session start and duration		✅	✅	✅	✅
Client RSSI feedback		✅	❌	✅	✅
Configurable TCP window size		✅	✅	✅	✅
WMM support (TOS/DSCP)	TCP out	⚠️ Supported values are device dependent			
	TCP in	✅	✅	✅	✅
	UDP out	⚠️ Supported values are device dependent			
	UDP in	✅	✅	✅	✅

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ByteBlower

CLIENT SOFTWARE

	Windows®	Linux®	MacOS®
GUI	✓	✓	✓
Tcl API	✓	✓	✓
Python API (2.7/3.x)	✓	✓	✓

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