Our VoIP analyzer enables us to test and monitor your Internet circuit and local area network by simulating simultaneous incoming and outgoing SIP/VoIP calls. (up to 32)

We highly recommend running a one week network assessment test to assess the performance of your Internet and data network. This powerful test measures the following;

MOS Score - The Absolute Category Rating scale is very commonly used, which maps ratings between Bad and Excellent to numbers between 1 and 5. Any score less than 4 will cause problems with call quality.

Packet Loss - If packets are lost, delayed, or contain errors, the network may drop and abandon them before reaching their intended destination. This is usually due to bandwidth restrictions or an unreliable internet connection. The result is missing chunks of audio.

Jitter - Jitter occurs when packets are delivered to a recipient at irregular intervals. Audio must be played at a constant rhythm to be intelligible, so any discrepancy will be noticeable in conversation. VoIP service providers may build in jitter buffers, but sometimes latency will go beyond the buffer's capacities. If this happens, you'll hear missing or "skipped" audio (if the packets are being delivered too quickly) or lapses of silence (to account for slow packet delivery)

Analyzer finds problems that will cause;
- Poor voice quality
- Slower Internet speeds
- Firewalls degrading VoIP traffic

Four main reasons that cause poor voice quality on Hosted IP phones and SIP service...

1 - We found 50% of our customers have problems with their Internet
- Large variance in speed can be an indication of a connection issue. Testing your Internet can also make sure you're getting what you pay for.

2 - Router/Firewall is not configured or designed to support VoIP traffic or QoS*
- May require remote access or an on-siite survey to determine.

3 - Network cabling is outdated or not installed properly
- Requires an on-site survey to get a visual of the infrastructure.

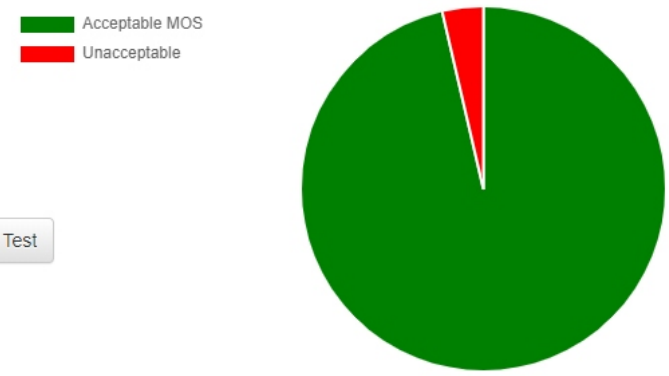
4 - Wireless access points (WAP's) not equipped with QoS*
- Streaming video and audio (YouTube and Pandora) creates havoc on VoIP voice quality. Providing the model number can determine if QoS is available or not.

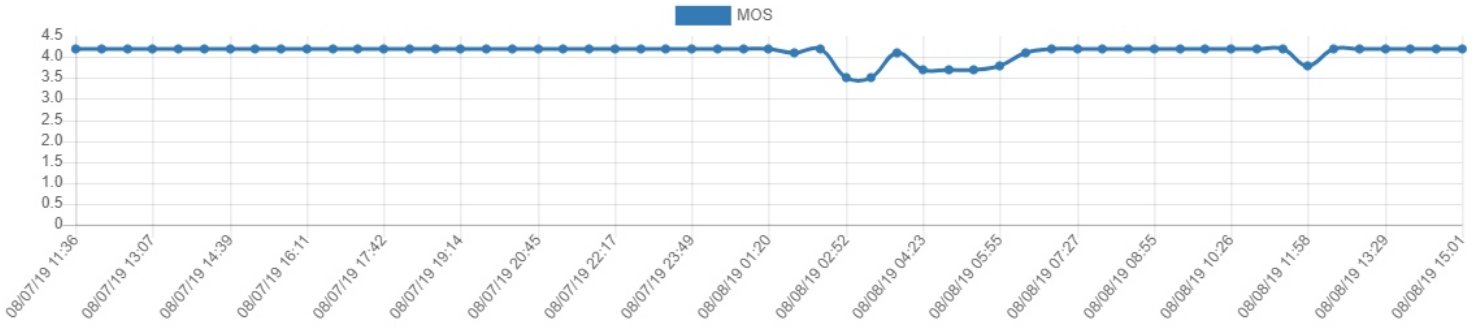
* Quality of service (QoS) refers to any technology that manages data traffic to reduce packet loss, latency and jitter on the network. QoS controls and manages network resources by setting priorities for specific types of data on the network. An example is VoIP traffic takes priority over streaming video and audio. Poor call quality can be expected without QoS enabled.

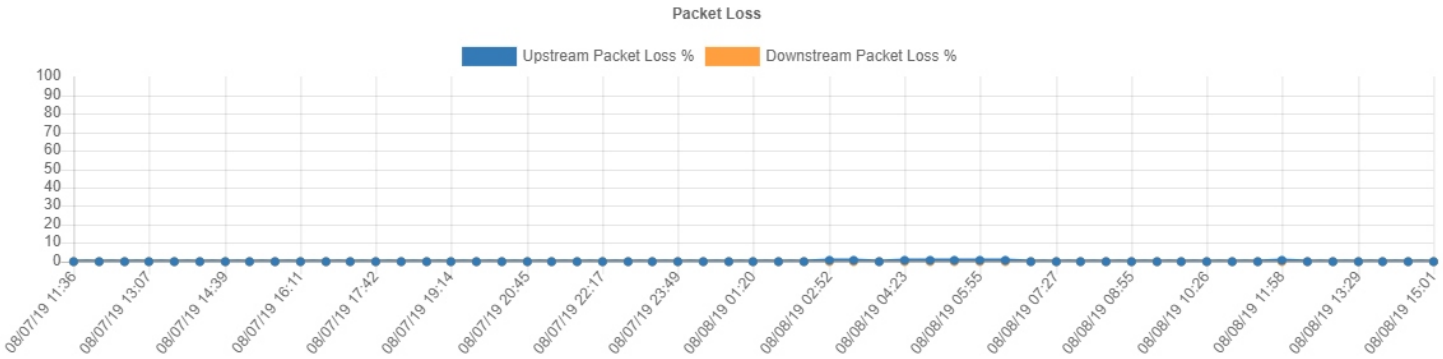
Test Details

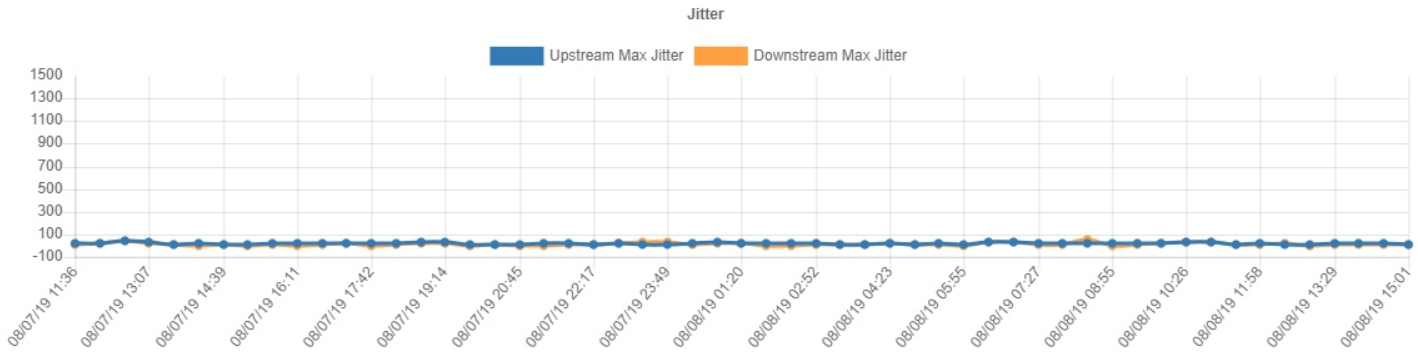
Name	Test1
Device	telxvoiptester
Test Name	4 Simultaneous Calls
Started	Wed Aug 07 2019 10:35:05 GMT-0500 (CDT)
Ended	**(Running)**

Stop Test









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Results History

Date	IP	ISP	Up Jitter ms	Dn Jitter ms	Mx Up Jitter ms	Mx Dn Jitter ms	Up Packet Loss %	Dn Packet Loss %	Up Packet Order %	Dn Packet Order %	Packet discards %	MOS	REGISTER ms	INVITE ms	BYE ms	RTT Min ms	RTT Max ms	RTT Consistency %	Upstream Loss dist.	Sip Algo	Errors
7 Aug 2019 15:36:13 GMT	69.180.108.65	Comcast Cable Communications Holdings, Inc	0.8	0.5	14.1	2.5	0	0	100	100	0	4.2	58	65	59	55	56	98	0	NA	
7 Aug 2019 16:06:45 GMT	69.180.108.65	Comcast Cable Communications Holdings, Inc	0.9	0.3	14.5	16	0	0	100	100	0	4.2	60	64	57	55	56	98	0	NA	
7 Aug 2019 16:37:16 GMT	69.180.108.65	Comcast Cable Communications Holdings, Inc	0.7	0.5	38	35.4	0	0	100	100	0	4.2	58	65	57	54	56	96	0	NA	
7 Aug 2019 17:07:49 GMT	69.180.108.65	Comcast Cable Communications Holdings, Inc	0.9	0.5	25.2	23.6	0.03	0	99.98	100	0	4.2	57	65	57	54	56	96	1	NA	

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