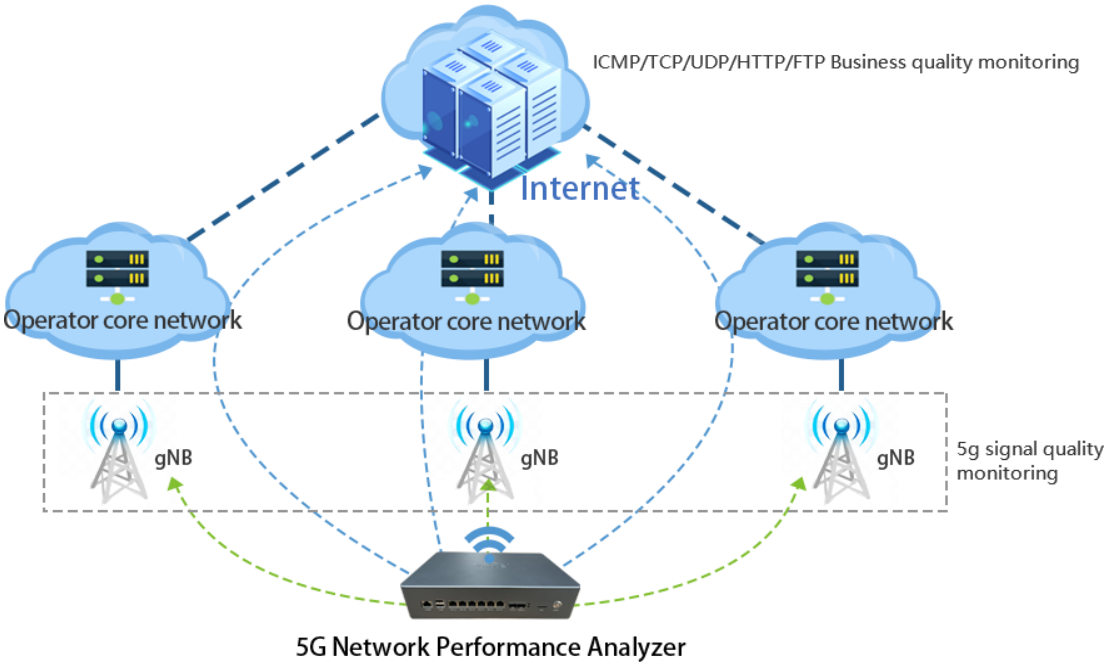
Network Troubleshooting &
Service Quality Monitoring

V1500 APMVista
5G Network Performance Analyzer

Vixtel Networks Limited

5G Network Performance Analyzer

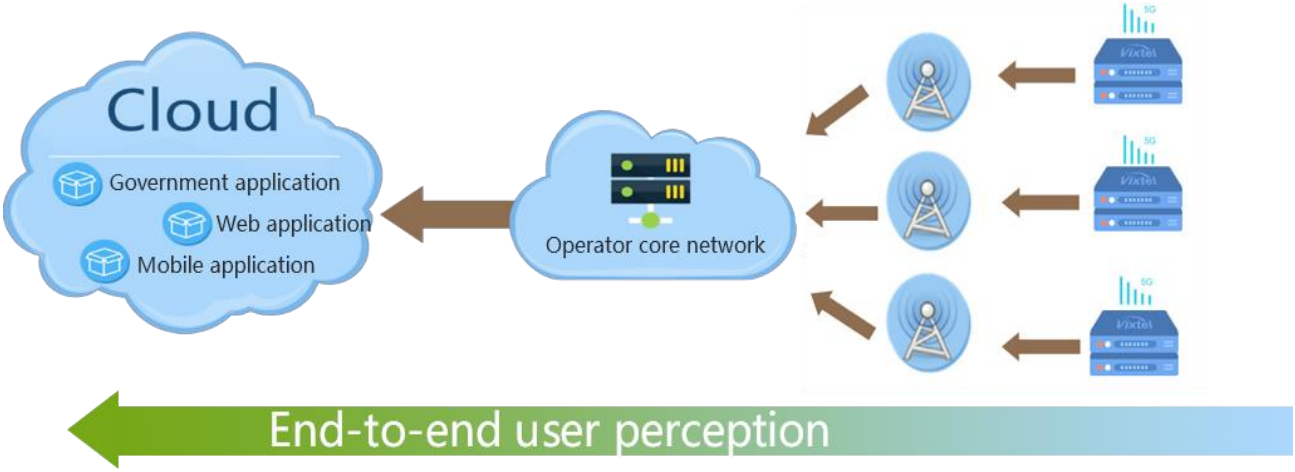
Vixtel's V1500 APMVista 5G Network Performance Analyzer is equipped with 5G network service quality monitoring and 5G wireless signal monitoring capabilities, and can provide customers with visual detection methods for 5G service network faults and service performance analysis.



The V1500 APMVista 5G Network Performance Analyzer can obtain 5G wireless signal quality by connecting to a 5G base station. The indicators that 5G wireless signal monitoring can collect include:

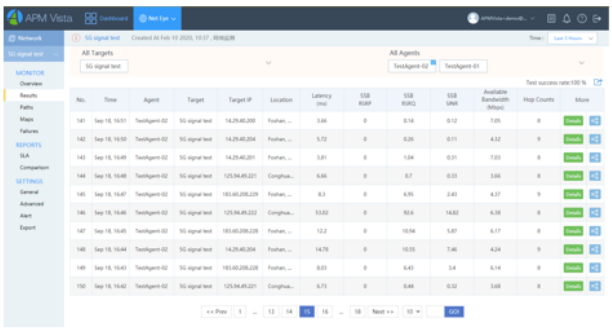
- RSRP reference signal received power
- RSRQ reference signal received quality
- SSB RSRP synchronization signal based reference signal received power
- SSB RSRQ synchronization signal based reference signal received quality
- SSB SINR synchronization signal based signal to noise and interference ratio

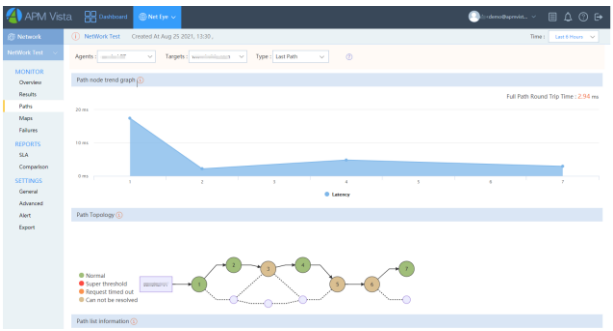
The V1500 APMVista 5G Network Performance Analyzer can support 5G users to conduct network and service quality tests after networking, evaluate 5G network quality, find 5G network bottlenecks, and analyze whether these problems are caused by 5G wireless signal quality.

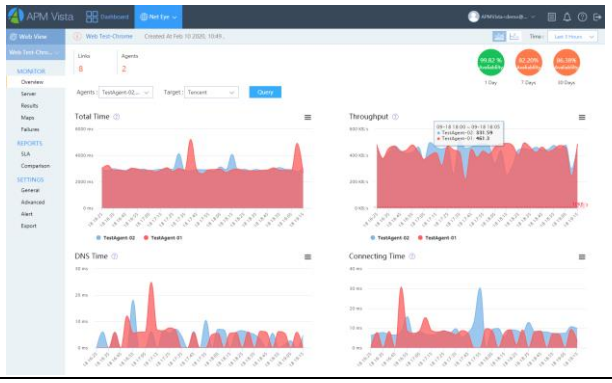


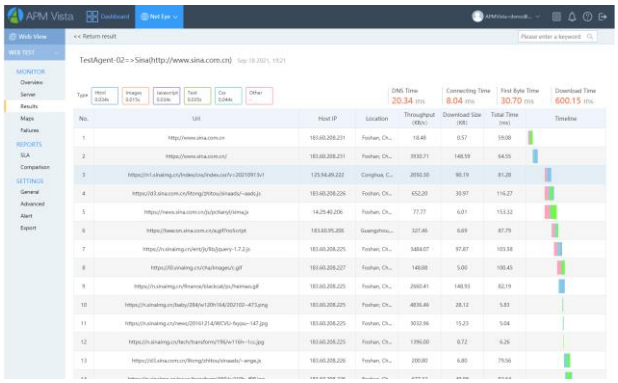
After connecting to the 5G network through the V1500 APMVista 5G Network Performance Analyzer, you can test the service quality including ICMP, TCP, UDP, HTTP, FTP, VoIP and Video/IP, obtain the wireless signal quality of the 5G network, and get the basic network quality indicators with service KPI indicators for accessing web pages, playing videos, FTP downloads, VoIP voice and video conferencing.

The report system and dashboard interface of the V1500 APMVista 5G Network Performance Analyzer can intuitively display the link quality of each 5G monitoring node to customers, facilitate customers to quickly identify 5G service quality, and provide 5G service quality analysis and fault mining capabilities.





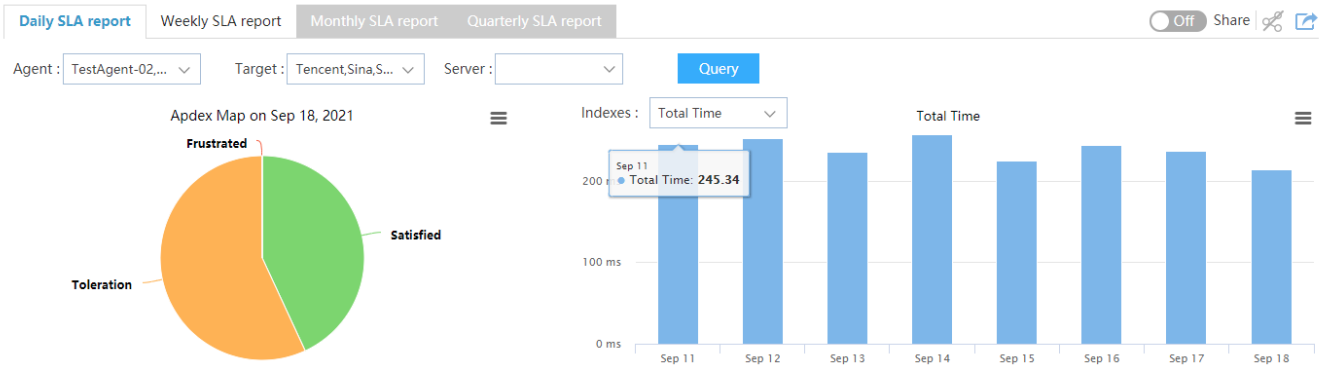




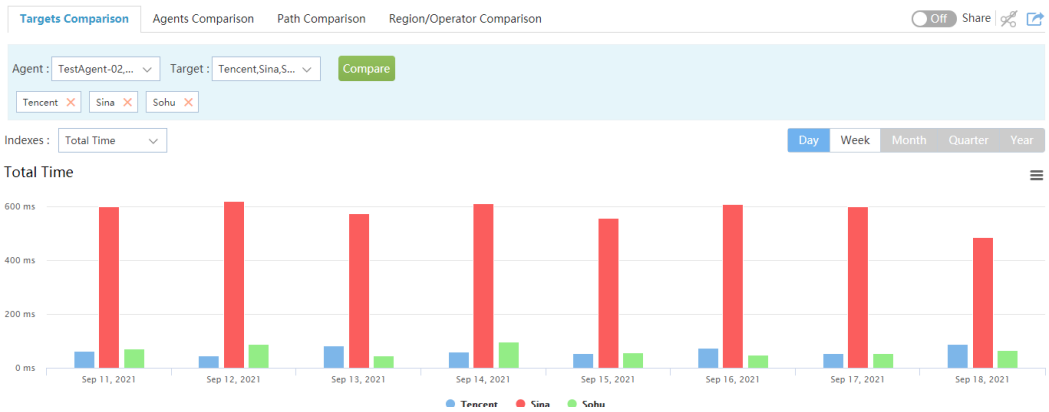
The V1500 APMVista 5G Network Performance Analyzer allows you to establish 7X24 SLA monitoring reports for your customers, so as to provide different levels of customer service. Supports the ability to set alarm push, test data timing push, test report page URL sharing, etc., so that customers can understand their quality of 5G service network in a timely manner.

Based on the V1500 APMVista 5G Network Performance Analyzer, a variety of 5G network service quality user experience analysis models can be constructed:

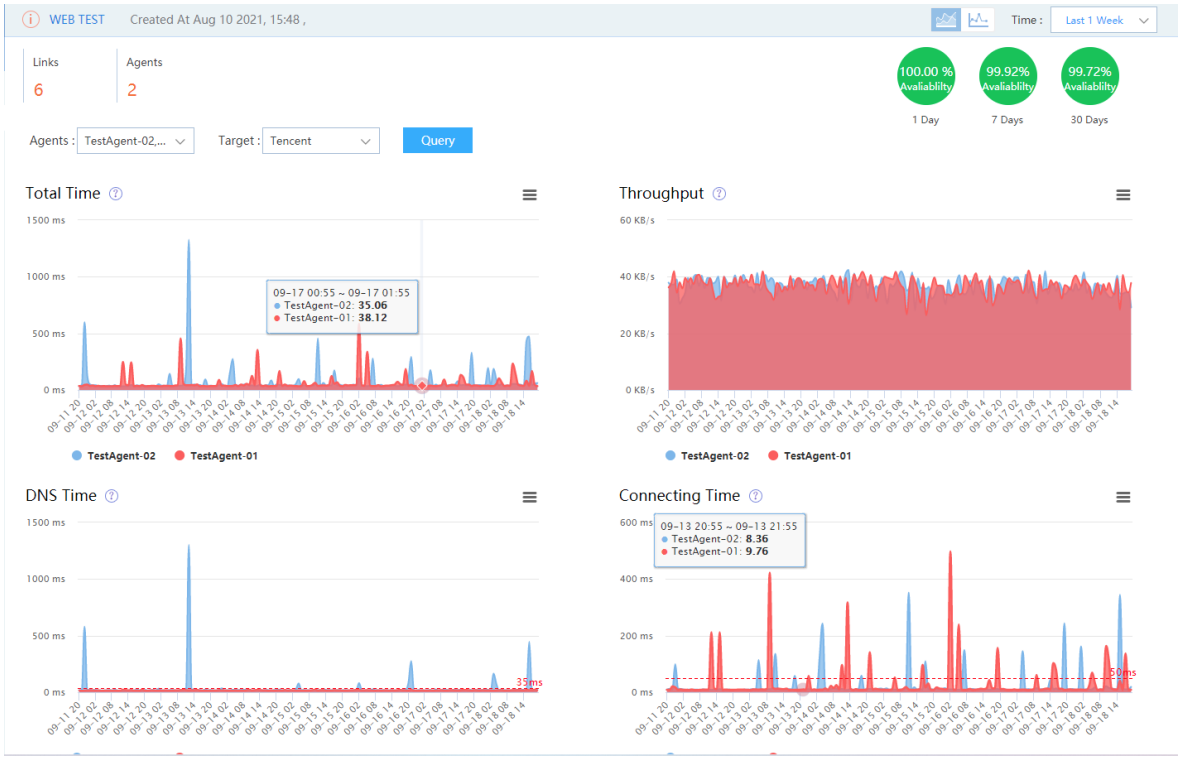
1. Internet user experience model: It is mainly calculated based on the service quality test indicators of the 5G network, combined with the indicator weight design, test method definition, etc. for comprehensive evaluation, to calculate the user's satisfaction with the 5G network service quality.



2. Horizontal analysis model between operators: with same location, same 5G signal quality, same service, and same time horizontal comparison, objectively showing the comparison and analysis results of the 5G network service quality of different operators.



3. Longitudinal quality trend analysis model: Long-term tracking of the service user experience trend of the same 5G base station node and the same service, and longitudinal comparison and analysis through different time dimensions, to provide data for optimizing 5G network service quality, finding performance bottlenecks, troubleshooting and support different operation and maintenance scenarios.



Configurations

Configurations	Descriptions
 V1500 APMVista 5G Network Performance Analyzer	● The Analyzer is the test and data management center equipment, as well as test probe for test execution. ● Dimensions: 290(W)x200(D)x66(H)mm; ● Test interface: 6xGE Copper, 2xGE/10GE Fiber, WIFI and 5G (optional).
 V1500-001 Rackmount Hardware Probe	● Probes deployed on the rack of IDC for high test performance to support large concurrent test ● Size: 1U; ● Test interface: 6xGE Copper, 2xGE Fiber and 2x10GE Fiber (optional)
 V1500-002 Portable Hardware Probe	● Portable test probe, small size and easy to carry, can support concurrent test ● Dimensions: 149(W)x146(D)x39(H)mm ● Test interface: 2xGE Copper, WIFI and 5G (optional).
V1500-003 Software probe	● Software probe, support PCs, Servers or Mobile Phone installation with Linux, Windows and Android operating systems. Testing capabilities are mainly based on PCs, Servers or Mobile Phone terminal device performance

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