ACCUVER

AEGIS-O

O-RAN End-to-End Test & Measurement Platform

AEGIS-O is a comprehensive End-to-End network testing and analysis solution specifically designed for 5G O-RAN systems. With a focus on key network nodes on fronthaul, midhaul, and backhaul, AEGIS-O enables network performance monitoring and protocol conformance analysis. By collecting and analyzing control plane and user plane data using prove module, AEGIS-O provides valuable insights into the network's performance.

Real-time packet tracer and user-friendly graphical charts provide intuitive understanding across all network interfaces. Additionally, AEGIS-O supports O-RAN Test Case of O-RAN Alliance and offers signal analysis capabilities through IQ Data decoding. With AEGIS-O, network operators and RU, DU, CU vendors can assess and optimize their 5G networks and equipment, ultimately improving the overall network performance.

Features

* Simultaneous analysis of UE, O-RAN Fronthaul/Midhaul/Backhaul
* Signal and spectrum analysis through IQ data analysis
* Objective performance calculation and comparative analysis of various vendor products
* O-RAN Test Case support
* Message flow check in real-time or post-processing
* Beamforming/Scheduling analysis with UE's measured data

Functions

* O-RAN Protocol Analyzer
: Collaborative Analytics with UE and Front/Mid/Backhaul packets
: Control XCAL and IQ-Analyzer
: Integrated dashboard
: 5GC Packet analysis
: O-FH Performance KPIs analysis
: O-FH CUS-Plane Delay/Jitter/ PDV measurement
: UE Monitoring, O-FH Analysis

* XCAL
: UE trace analysis & Report
: Call script based automation

* IQ-Analyzer
: Power vs Time
: RB MAP
: Constellation
: Error Vector Spectrum, etc.

5G RAN-gNB

O-RAN Traffic Collection

UE Trace

XCAL	AEGIS-O
RF Data Cellection	O-RAN Traffic Collection and Analysis

Protocol Analyzer   IQ Analyzer

| O-RAN Protocol Analyzer | IQ Analyzer |