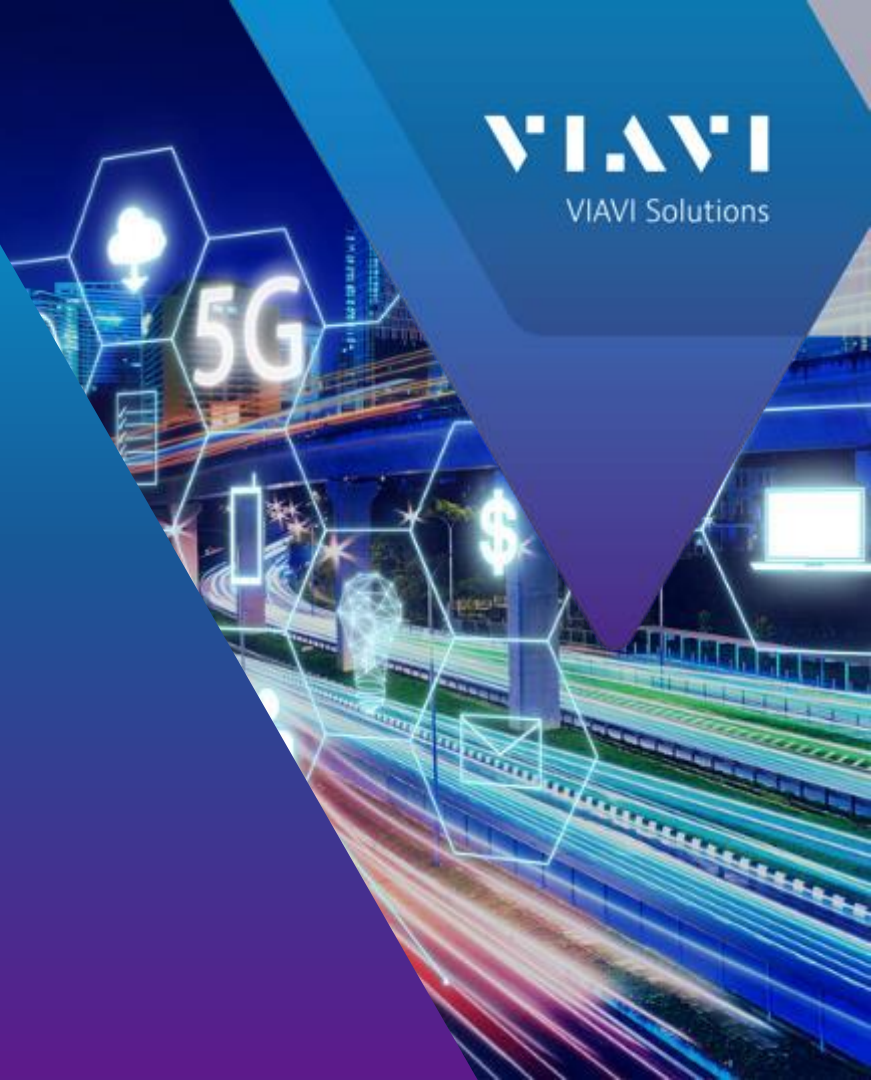


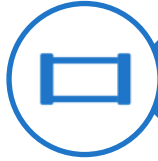
# OneAdvisor

## Product Overview

**VI.VI**  
VI.VI Solutions



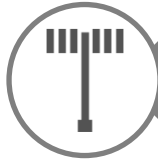
# Topics



OneAdvisor Overview



Cell Site Installation

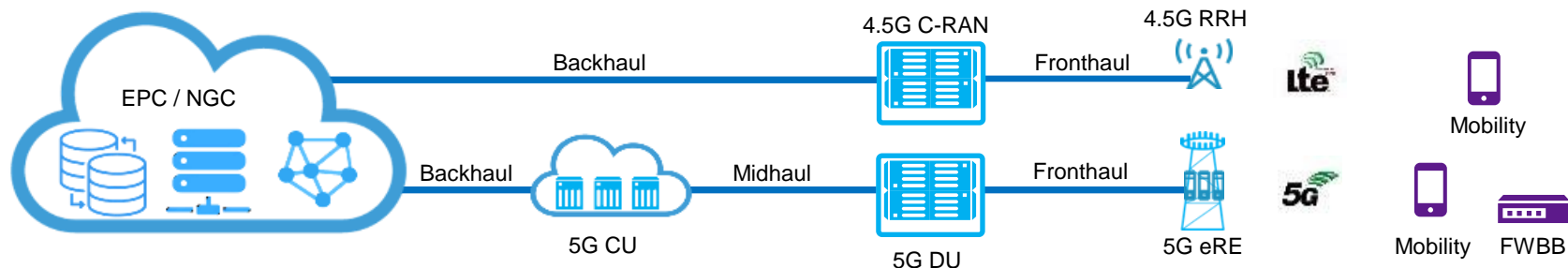


Cell Site Maintenance



Workflow Automation

# Resolving 5G Deployment Challenges



## Lab2Field



Leverage NEM and Lab relations and key L2F test & TM500 interactions

## Fiber



Mission Critical and Foundational Multiple Topologies (PON, WDM)



MTS 2000



Fiber Inspection



Fiber Monitoring

- Fiber Certification
- Rapid Fault Isolation
- Rapid Fault Location
- 24x7 Fiber Monitoring

## Transport



Stringent Transport and Timing SLA



MTS 5800



NITRO Fusion

- Backhaul Transmission SLA
- Fronthaul Latency Specifications
- Network Timing/Synchronization
- Virtual Service Activation and Assurance

## RAN



Evolution to Beam Centric / Non-Stand Alone (LTE + 5GNR)



RFVision



ONA



CA5G

- M-MIMO Beam Coverage
- 5GNR FR1 and FR2 Support
- Interference Hunting
- Realtime Spectrum

## Workforce




Test Consistency Reports Availability








StrataSync®  
Empower your assets

- Asset management
- Test results and reports
- Tool configuration
- License management

# RF-Test Portfolio

O: Optional R: Roadmap S: Standard  : Not Available

FEATURES	5G BASE STATION ANALYZER	BASE STATION ANALYZER	SIGNAL ANALYZER	CABLE AND ANTENNA ANALYZER	INTERFERENCE ANALYZER
					
	CellAdvisor 5G	OneAdvisor-800	CellAdvisor JD700B	CellAdvisor JD720C	IA811-001
Cable & Antenna Analysis	O (12.5MHz to 5GHz)	O (12.5MHz to 5GHz)	5MHz to 6GHz / 4GHz	5MHz to 4GHz / 6GHz	
Insertion Gain/Loss	O	R	O	S / O	
WiFi, Web Remote Control	O	O	O	O	
RF / Optical Power	S / O	R / O	O	O	
Fiber Inspection	S	S	S	S	
Workflow: SmartAccessAnywhere, StrataSync, JobManager	SAA, SS	SAA, SS, JM	SS	SS	
Spectrum Analysis	9KHz to 6GHz / 24GHz to 40GHz	9KHz to 6GHz	9KHz to 8GHz / 100KHz to 4GHz		EagleEye + JD700B R (CellAdv5G, OneAdv)
Interference Analysis	O	O	O		EagleEye + JD700B R (CellAdv5G, OneAdv)
PIM Detection	O	O	S		
Signal Analysis	O (4G, 5G)	R (4G, 5G)	O (2G, 3G, 4G)		
Realtime Persistence Spectrum	O (50MHz, 100MHz)	O (50MHz, 100MHz)			
Fiber Validation (OTDR)	O	O			
eCPRI transport	R	R			
RFoCPRI Interference	O	O	O		
RFoCPRI BBU-Emulation	R	R	O		

# OneAdvisor-800

## OneAdvisor: Cell Site Installation and Maintenance Test Solution

*One Solution. One Process. One Report.*

OneAdvisor brings unprecedented simplicity, speed, and accuracy for cell site deployment and maintenance, through multi-test capability and test process automation that streamlines the work into a short sequence of push-button tests.













OneAdvisor test functions include:

- **Fiber cable verification:** fiber inspection, optical power measurements, and fiber verification (OTDR)
- **Coaxial cable verification:** return loss, VSWR, cable loss, distance to fault, and insertion gain/loss
- **Real-time spectrum and Interference analysis** including gated sweep spectrum
- **Signal analysis** over-the-air for 5G and LTE signals



**Get In | Get Out | Get Paid**

# OneAdvisor Solutions

User's Group	Test Functions	OneAdvisor Solution
 Contractor	<ul style="list-style-type: none"> <li>Cable and antenna test</li> <li>Fiber inspection and test</li> </ul>	ONA-800 with CAA and OTDR modules and FIT scope   
 Std Maintenance	<ul style="list-style-type: none"> <li>Spectrum Analysis</li> <li>Interference Analysis</li> <li>Real-time Spectrum</li> <li>RFoCPRI</li> <li>5GNR FR1 and LTE signal analysis</li> </ul>	ONA-800 with Spectrum Analysis and CPRI   
 Adv Maintenance	<ul style="list-style-type: none"> <li>Cable and antenna test</li> <li>Fiber inspection and test</li> <li>Spectrum Analysis</li> <li>Interference Analysis</li> <li>Real-time Spectrum</li> <li>RFoCPRI</li> <li>5GNR FR1 and LTE signal analysis</li> </ul>	ONA-800 Spectrum / Interference Analysis with CAA and OTDR modules, FIT scope and RFoCPRI)   

# Topics



OneAdvisor Overview



Cell Site Installation



Cell Site Maintenance



Workflow Automation

# OneAdvisor

## OneAdvisor: Cell Site Installation and Maintenance Test Solution

*One Solution. One Process. One Report.*

OneAdvisor brings unprecedented simplicity, speed, and accuracy for cell site deployment and maintenance, through multi-test capability and test process automation that streamlines the work into a short sequence of push-button tests.

OneAdvisor cell site installation test functions:

- **Fiber Cables:**

- Fiber inspection,
- Optical power measurements
- Fiber verification (OTDR)

- **Coaxial Cables:**

- Return Loss and VSWR
- Cable Loss
- Distance to Fault



### OneAdvisor Workflow Automation

- StrataSync: asset management, test configuration, test data management
- JobManager: built-in guidance with pass/fail results and a single report package ready for closeout
- SmartAccessAnywhere: Remote access and support

**Get In | Get Out | Get Paid**



# OneAdvisor

## Cell Site Installation

### Macro Cell Installation Tests:

- **Feed-line Verification:**

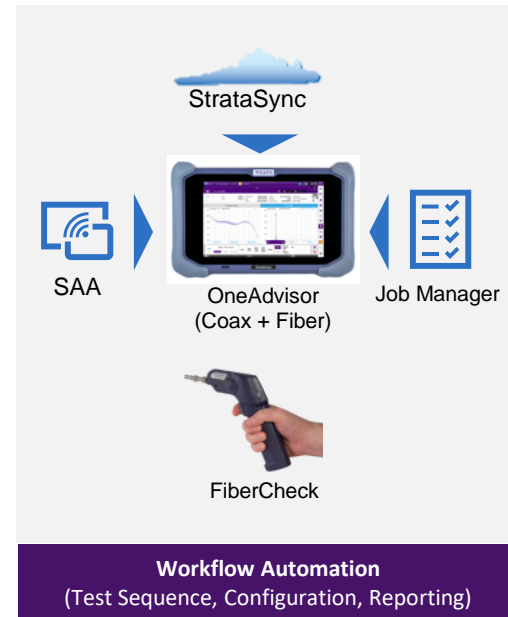
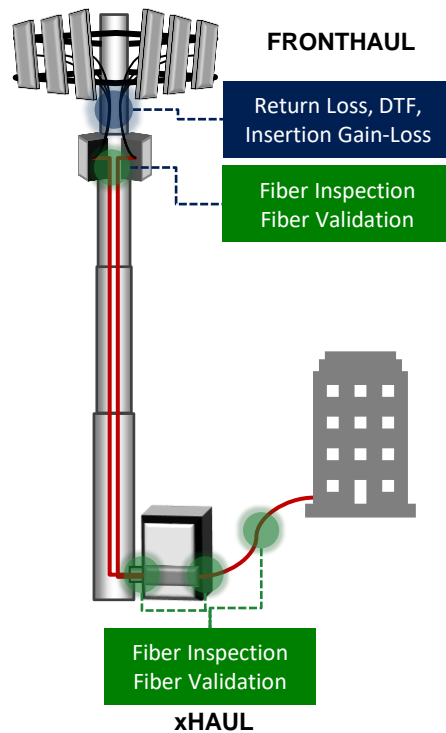
- Signal reflections (return loss, VSWR)
- Distance to fault (DTF).
- Cable loss

- **Fiber x-Haul**

- Fiber inspection
- Fiber validation (OTDR)

- **Service and Management**

- Self-guided test sequence.
- Embedded report generation.
- Cloud services for asset and data management.



# OneAdvisor

## Cell Site Installation

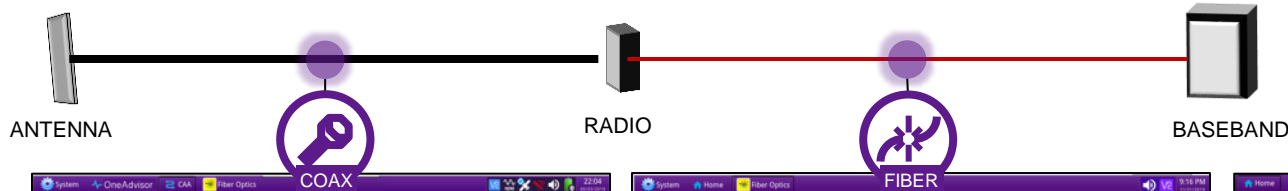
### Macro Cell Installation Tests:



OneAdvisor  
(Coax + Fiber)

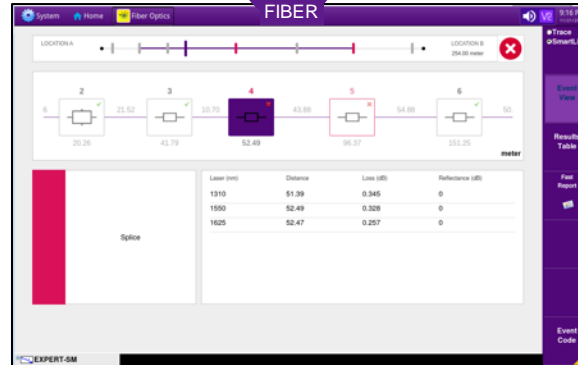


FiberCheck



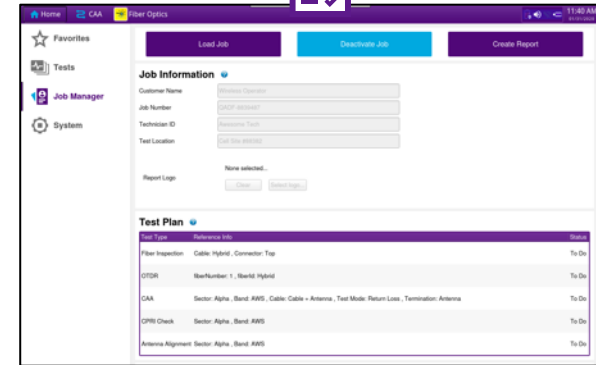
#### Cable and Antenna Analysis

- Signal reflections (return loss, VSWR)
- Distance to fault (DTF).
- Cable loss



#### Fiber Verification

- Fiber inspection
- Fiber validation (OTDR)



#### Workflow Automation

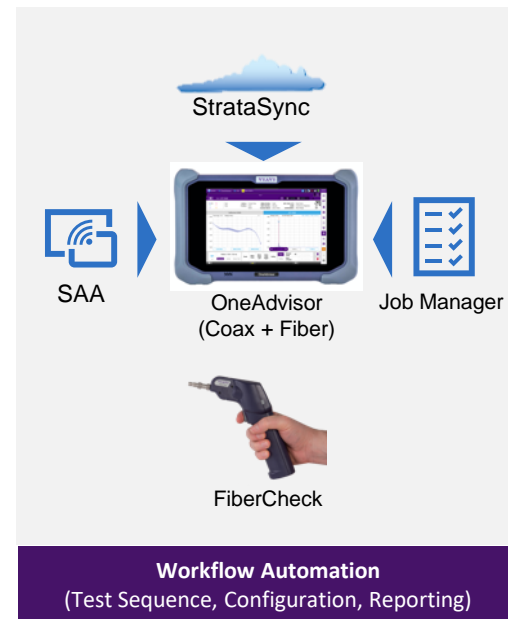
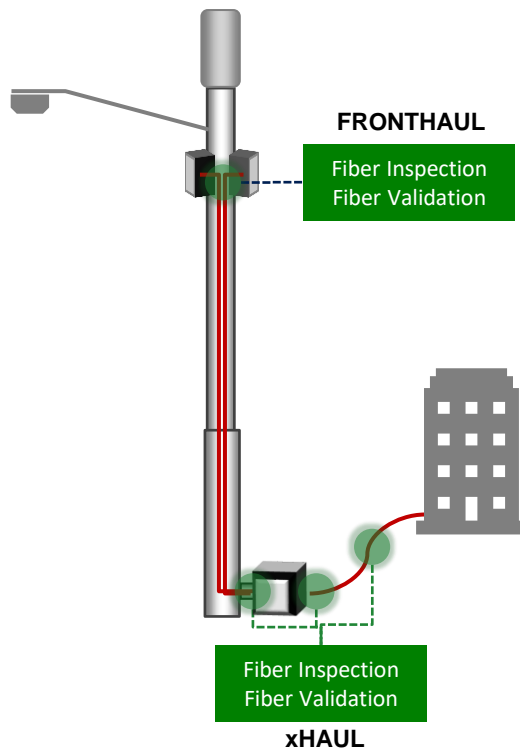
- Self-guided test sequence.
- Embedded report generation.
- Cloud services for asset and data management.

# OneAdvisor

## Cell Site Installation

### Small Cell Installation Tests:

- **Fiber x-Haul**
  - Fiber inspection
  - Fiber validation (OTDR)
  - Channel Checker (DWDM)
- **Service and Management**
  - Self-guided test sequence.
  - Embedded report generation.
  - Cloud services for asset and data management.



# OneAdvisor

## Cell Site Installation

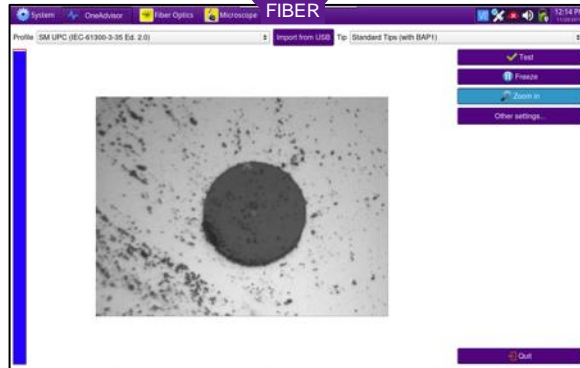
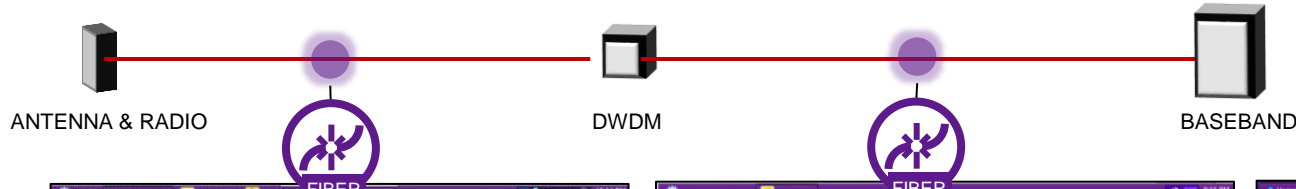
### Small Cell Installation Tests:



OneAdvisor  
(Fiber + DDWDM Channel)

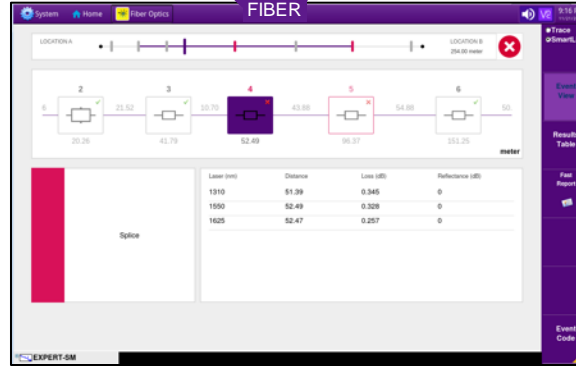


FiberCheck



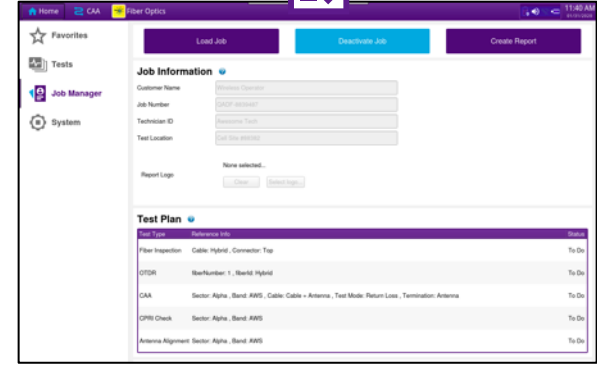
#### Fiber Verification

- Fiber inspection
- Fiber validation (OTDR)



#### Fiber Verification

- Fiber inspection
- Fiber validation (OTDR – DWDM Channel)



#### Workflow Automation

- Self-guided test sequence.
- Embedded report generation.
- Cloud services for asset and data management.

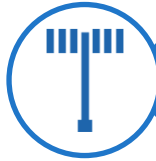
# Topics



OneAdvisor Overview



Cell Site Installation



Cell Site Maintenance



Workflow Automation

# OneAdvisor

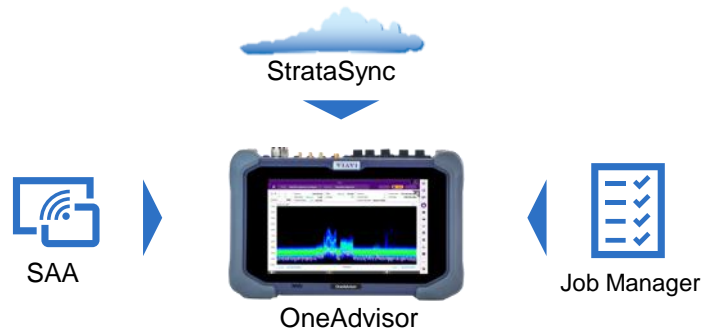
## OneAdvisor: Cell Site Installation and Maintenance Test Solution

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OneAdvisor **Cell Site Maintenance** Test Functions:

- **Real-time Spectrum Analysis**
- **Spectrum Analysis (Gated)**
- **Interference Analysis**
- **LTE OTA Signal Analysis**
- **5G OTA Signal Analysis**
- **xHaul Verification (Coax and Fiber)**



### OneAdvisor Workflow Automation

- *StrataSync*: asset management, test configuration, test data management
- *JobManager*: built-in guidance with pass/fail results and a single report package ready for closeout
- *SmartAccessAnywhere*: Remote access and support

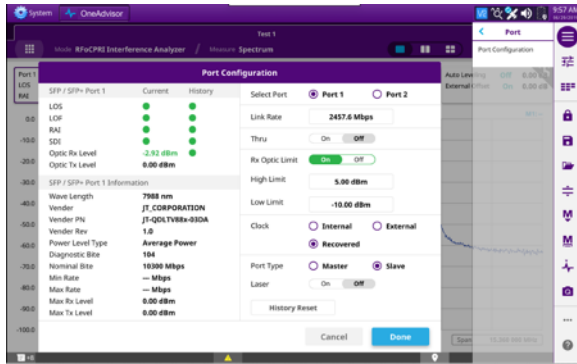
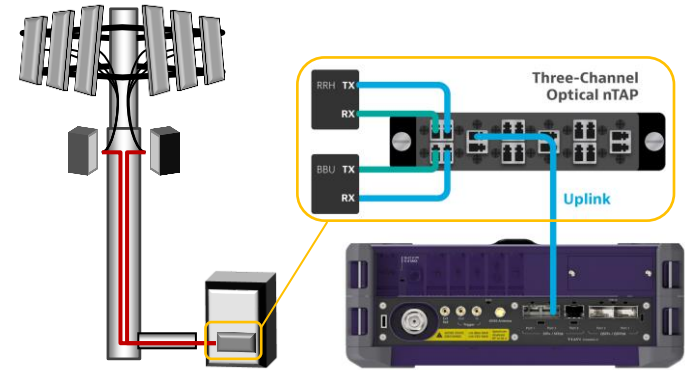
*\*Roadmap*

# OneAdvisor

## RFoCPRI Interference Analysis

### OneAdvisor RFoCPRI Interference Analysis

- CPRI rates: 1 to 8
- Quad-Spectrum and Quad-Active Trace
- Dual 3D Spectrogram



RFoCPRI Configuration



Quad-Spectrum



Dual-Spectrogram

\*Roadmap

# OneAdvisor

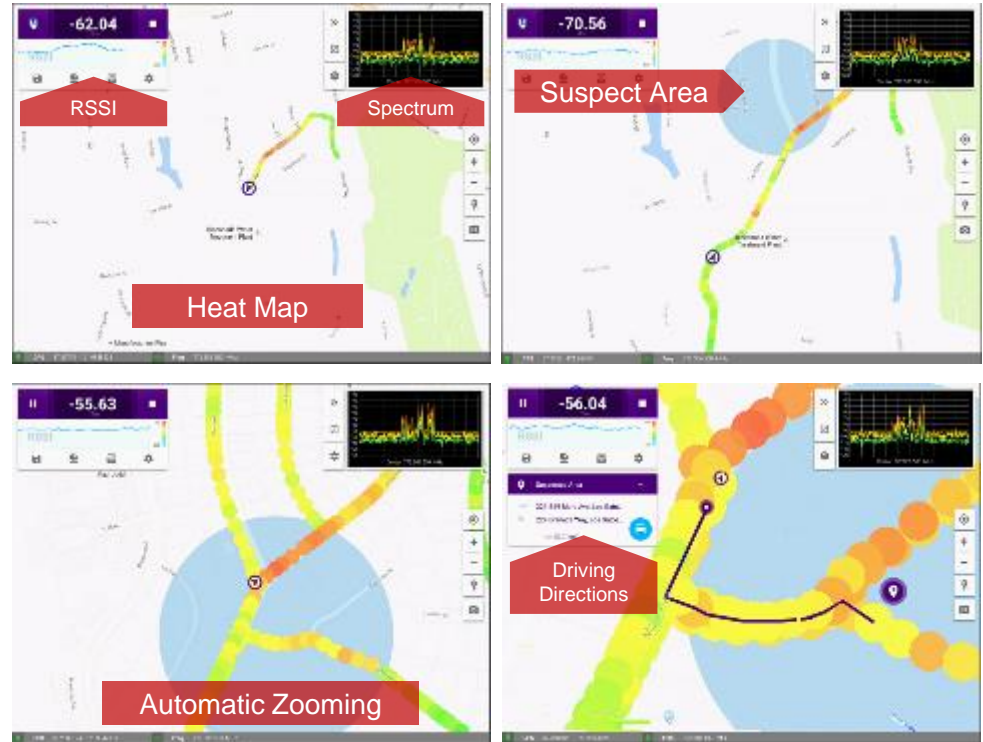
## Interference Location

### InterferenceAdvisor

- Creates heat-maps of interference signal
- Indicates area of interference
- Zooms into suspect area
- Prompts driving direction to the suspect area



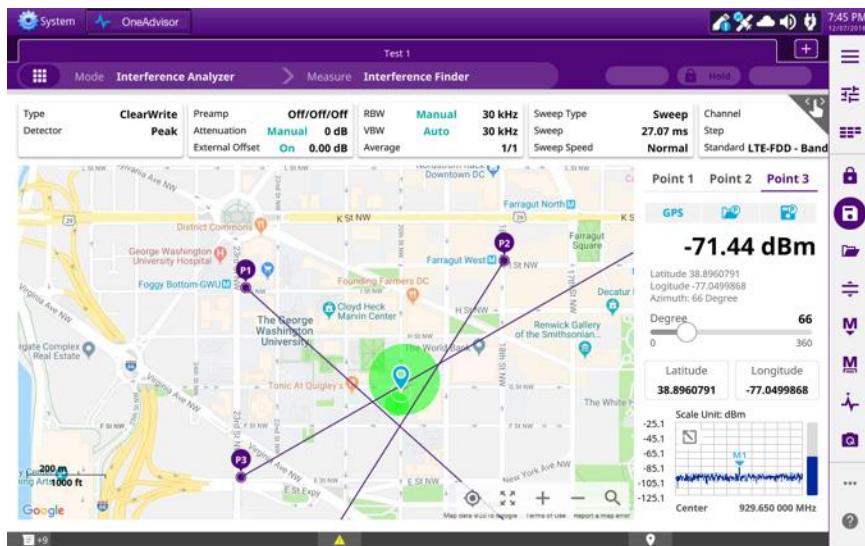
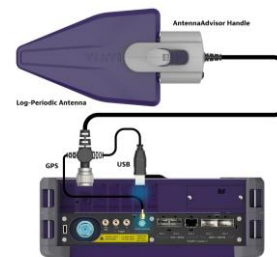
*\*Roadmap*



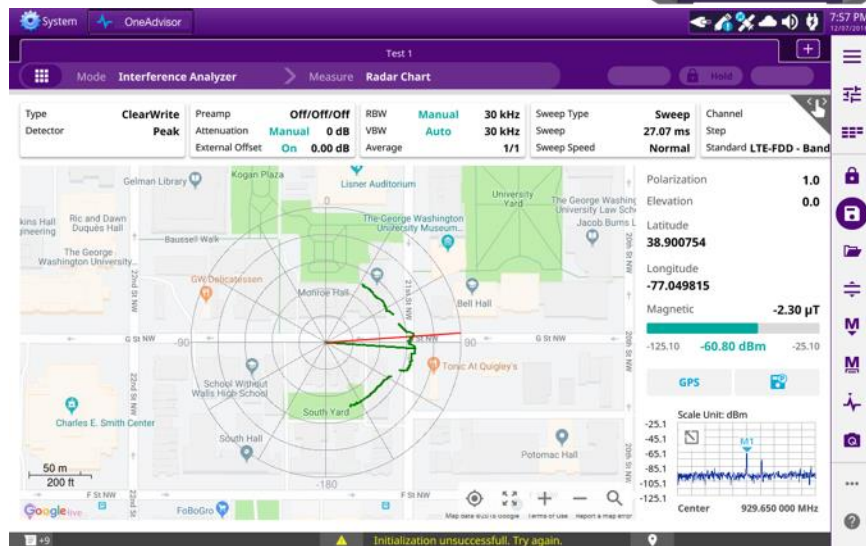


# OneAdvisor

## Interference Finding



**Interference Finding**  
Location: Triangulation



**Interference Finding**  
Location: Radar Chart

\*Roadmap

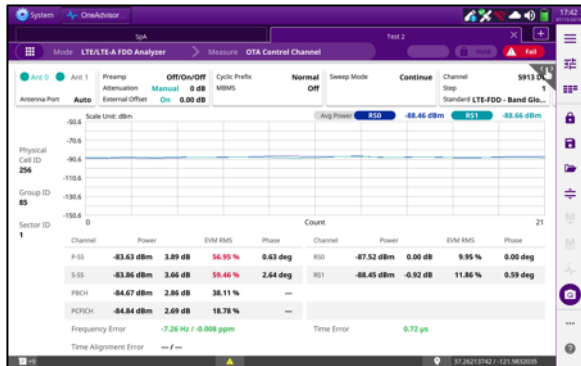
# OneAdvisor

## LTE OTA Signal Analysis

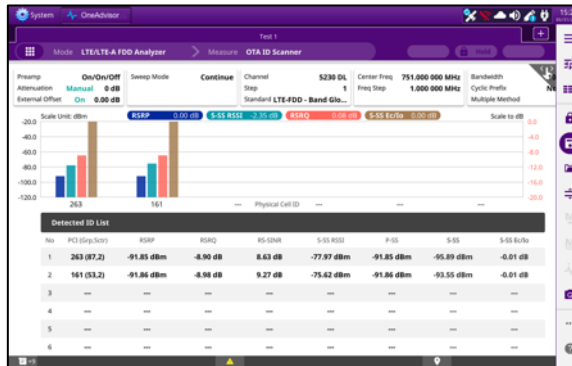


## OneAdvisor LTE Over The Air Signal Analysis

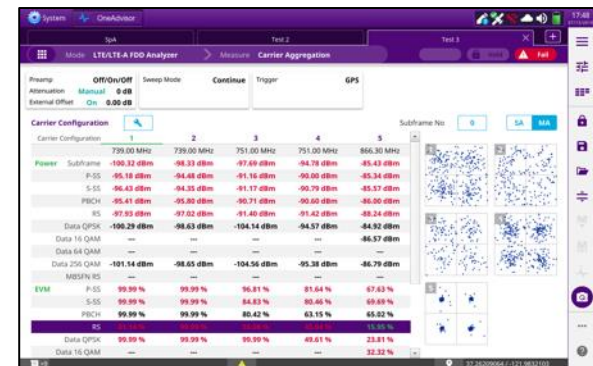
- LTE Over the Air Control Channel: MIMO Analysis
- LTE Over the Air ID Scanner: PCI Dominance
- LTE Carrier Aggregation: Carrier Aggregation Quality Assessment (LTE CC 5x, MIMO 4x and LAA)



LTE OTA Control Channel



LTE OTA ID Scanner



LTE Carrier Aggregation

\*Roadmap

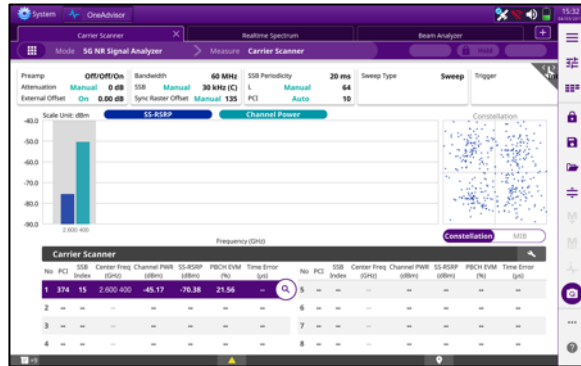
# OneAdvisor

## 5G OTA Signal Analysis

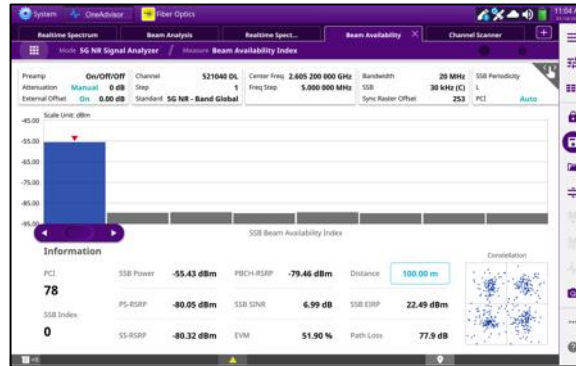


## OneAdvisor 5G Over The Air Signal Analysis

- 5G Carrier Scanner: Carrier Aggregation (any band, any channel bandwidth)
- 5G Beam Availability: Beams available and quality indicator
- 5G Route Map: Coverage performance



5G Carrier Scanner



5G Beam Availability & Quality



5G Beam Availability

\*Roadmap

# Topics



OneAdvisor Overview



Cell Site Installation



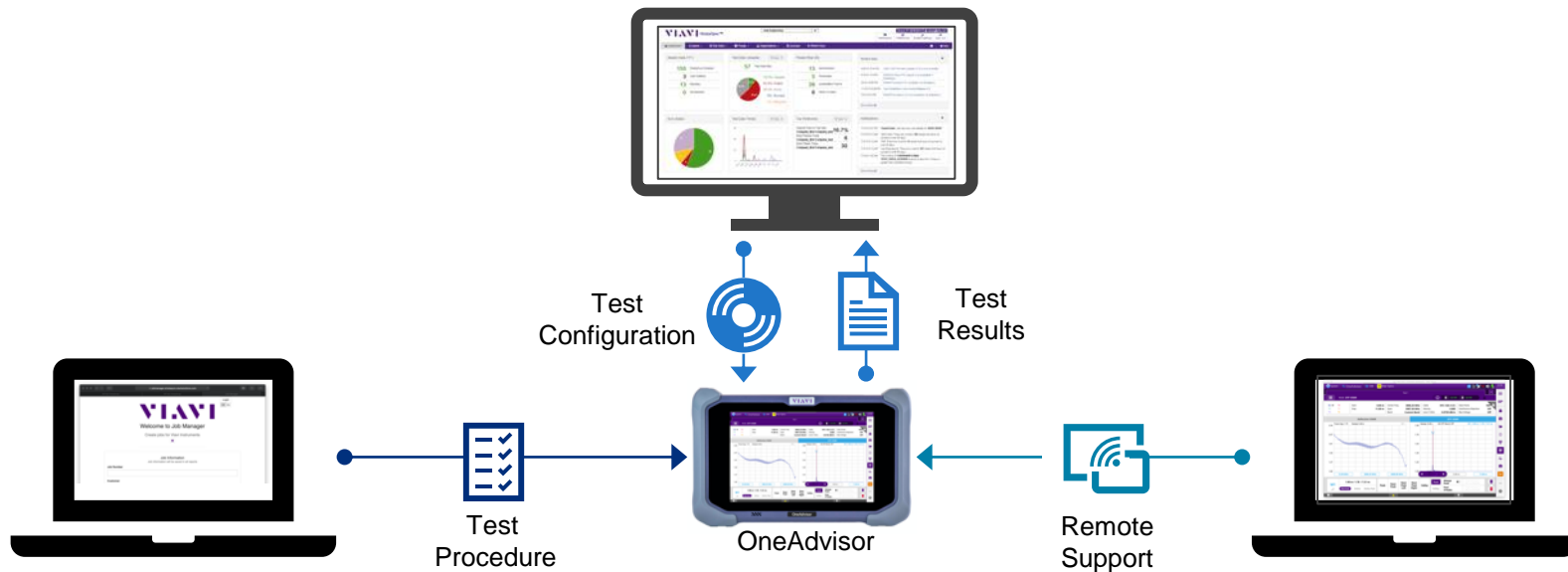
Cell Site Maintenance



Workflow Automation

# VIAVI Workflow Automation

## OneAdvisor



### Job Manager

- ✓ Job as a set of individual tests
- ✓ Web-tool to define & customize jobs
- ✓ Coordinates tasks & results across test tools
- ✓ Instrument displays step-by-step instructions
- ✓ Shows test progress and results

### StrataSync

- ✓ Centralized Management
  - Organize and push job assignments & test configurations to instrument
  - Auto collection and organization of Test Results
- ✓ KPI Dashboards

### SmartAccessAnywhere

- ✓ Remote access and control
- ✓ File transfer



# VIAVI

VIAVI Solutions