

Displaying Multiple Graphs

1 Tap Graph.

2 Tap New.

3 Select the Type and Source of the graph and tap OK.

4 Tap on a blue positioning bar where the new graph will be inserted in relation to the other graph(s).

Recording Traces

1 Tap. Alternatively tap Source then Record.

2 Select a file name and tap OK.

Playing Recorded Traces

1 Tap the source field and select either File1 or File2.

2 Tap. Alternatively tap Source then Playback.

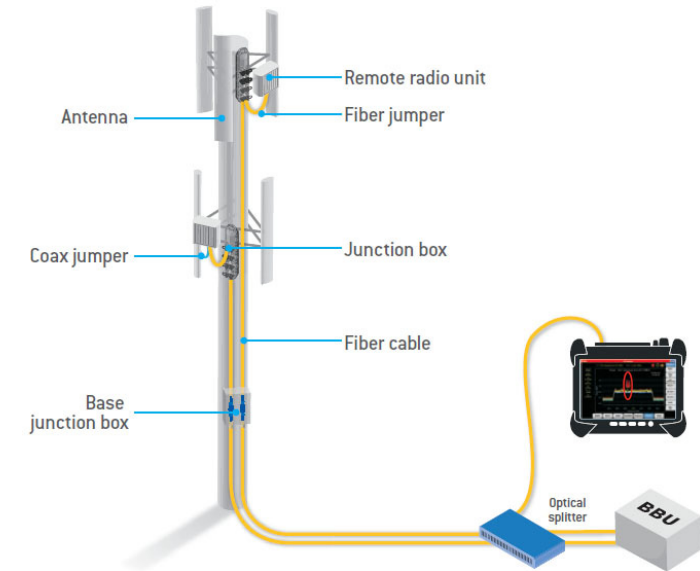
3 Select a file name and tap OK.

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Connecting to the RAN

The module's SFP+ P1 or P2 port (SFP28 A1 or A2 port on 88260) is used to connect to the Radio Access Network (RAN). Supported rates are: CPRI 1.2, 2.4, 3.1, 4.9, 6.1, 9.8, and 10.1 Gbit/s.



To Connect to the RAN:

Insert an optical splitter, if not already installed, as follows:

- ▶ If required, lock down the sector to be tested.
- ▶ Insert an optical splitter (it is recommended to connect RRH to port A and BBU to port B).
- ▶ Ensure the sector is unlocked.

Connect the module to the optical splitter as follows:

- ▶ To display the uplink, connect the A side of the splitter's AB port to the RX SFP+ P1 or P2 port (A1 or A2 port on 88260) of the module (generally marked with an in arrow).
- ▶ To display the downlink, connect the B side of the splitter's AB port to the RX SFP+ P1 or P2 port (A1 or A2 port on 88260) of the module (generally marked with an in arrow).

Note: Make sure to insert the proper SFP/SFP+ and carefully connect the optical fiber cable to the transceiver IN (RX) port.

For more information,
 refer to the user guide.



Starting the Application

From **Mini ToolBox X** (NetBlazer) or **ToolBox X** (Power Blazer), tap the OpticalRF application button.



Quick Test Setup Procedure

This procedure described is a simple test sequence using a live source and the Classic menu.

1 Tap **Source**.

2 Tap **Source** to select the port-antenna: [port]-AxCn. The configuration file defining the parameters used by the application to decode and display the RF data.

3 Tap **Link Rate** and select either the link rate or **Auto** for automatic detection.

4 Tap **Mapping** and select the mapping.

5 Tap **Graph** then **Type** and select the desired graph type.

6 Tap **Amplitude** then **Full Scale** to enable full scale.

7 Tap **Traces**.

8 Tap **Trace** and select the trace overlay to be displayed on the graph. **Minimum**, **Maximum**, **Average**, and the **Source** traces are available by default.

9 Tap **Overlay** to add trace overlays on the same graph.

10 Tap **Enable** to activate the selected trace overlay on the graph.

Global Status: P1 No Alarm

Source: Port1-AxC1

Mapping: Ericsson-5MHz

Link: Active -6.5 dBm

Rate: 2.456 Gbps

Channel BW: 5 MHz

Center: 0 Hz

Span: 7.68 MHz

RBW: 234.375 Hz

VBW: 4 MHz

Ref Level: 47 dB

Scale: 16 dB/div

Power Spectrum

RealTime - Port1-AxC0: -1.249 MHz

RealTime - Port1-AxC1: -47.527 dB

Power (dBm) vs Frequency (MHz)

Buttons: Source, Calibrate (0 dBm/bit), Link Rate (2.456 Gbps), Mapping, Record, Playback

Bottom Menu: System, Source, Graph, Amplitude, Frequency, Markers, Traces, Measures

Measurement of RF-PWR and PIM (Passive Intermodulation).

Mapping Dialog:

Description: Preset-ALU-Nokia-20MHz

AxC#	Bandwidth (MHz)
All	20

Buttons: Auto-Detect, Preset, Aggregation, OK, Cancel