Observe all Safety Requirements

- Maximum Ambient Temperature: 55 °C.
- Do not cover or block the cooling fins on the casing.
- Antenna inputs are ESD sensitive. Use appropriate safeguards.
- Do not mount this unit or its antennas under or near power lines.
- The included +15VDC power supply (P/N N6841A-SP1 or N6841-64501) is safe for indoor use only, and the cable from either of these supplies must not be run outdoors.
- If the RF Sensor is installed outdoors, use a Class 2, outdoor-rated 24VDC supply.

To Install the Keysight RF Sensor:

1) Secure the sensor to mounting bracket using the four tapped mounting holes on either the front or rear faces.

2) Connect the grounding strap and all antenna grounding connectors to the M4 grounding connection on the end panel. Observe all local safety codes.

3) Connect optional lightning surge arresters to the two antenna inputs. These arresters are for ESD protection as well as lightning discharge protection. Keysight recommends L-COM AL6-NMNFBW-9

4) Connect the antenna connectors to their appropriate connections on the end panel.

5) Connect the GPS antenna to the GPS antenna connection. If unused, leave the GPS protective cap in place on this connector.

6) Connect the LAN cable to the Ethernet connection.

7) Connect the LAN cable to a safety-certified LAN switch.

8) Connect the power cable to the power connection.

9) Connect the power supply to the power mains with the country-specific power cord.

10) Make note of the unit’s Serial Number. This allows easier recovery if you make a configuration error.
To Install the Keysight RF Sensor Software:

1) Either, place the RF Sensor DVD into the appropriate computer drive that will be used to control the unit, or download the N6829BS software from the Keysight Web www.keysight.com/find/N6829BS-SW.

2) If the PC has the autorun option enabled, the software installation program starts automatically. If the autorun option is disabled, from the DVD drive, run the setup.exe.

To run the Keysight RF Sensor Software:

1) Click on the start menu, go to the Keysight RF Sensor folder and click on the Sensor Management Tool.

2) Select the Discover Sensors tab on the right side of the window.

3) Click the “Find Sensors on Local Subnet” button. (Note that the button legend becomes “Refresh sensor list.”)

4) Locate the serial number of the newly-installed sensor.

To discover sensors on the subnet, from the SMT window, use the following steps:

1) Click on the Configuration icon.

2) From the list of available sensors in the Configuration window, select the sensor you wish to use and click on it to highlight its entry.

3) At the bottom of the Configuration window, click on the button marked, “Add to SMS.”

4) Expand the All Sensors list

   The sensor icon appears, followed by the sensor’s name, the sensor and SMS are communicating.

   Sensor colors indicate: Green (communicating, functioning properly), Gray (not communicating, or powered off), Red (problem with sensor). Hover over the sensor icon for more details.

To add an available sensor on the list of SMS-available sensors:

1) From the list of available sensors in the Configuration window, select the sensor you wish to use and click on it to highlight its entry.