

PIM32 Reporter Software and procedure

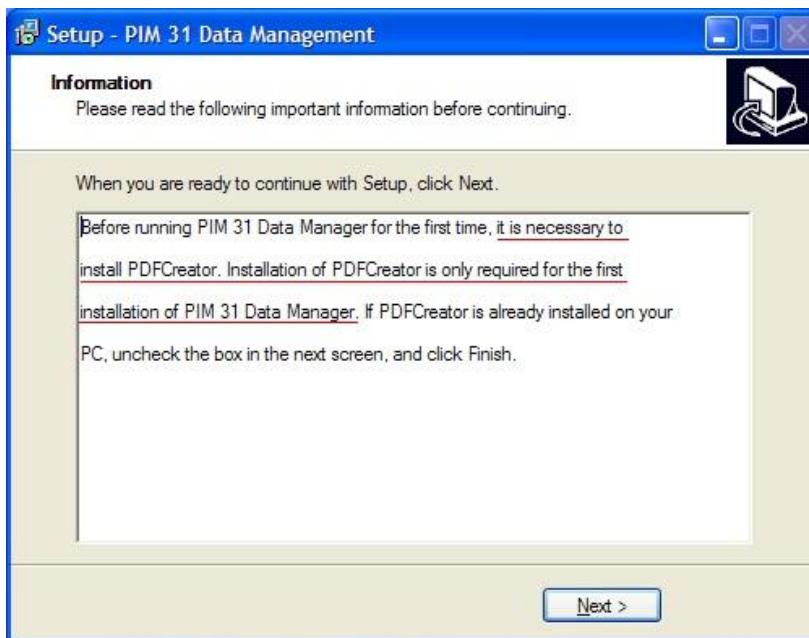
1 PIM31 Reporter Software

PIM31 Data Manager creates report files in a PDF format. This software allows to conveniently generating report files after collecting measurement data from a multitude of base stations and locations. This application can be downloaded from Boonton’s official website under product’s “Manuals & Software” section.

Note: To be processed, PIM31 log data has to be stored on a USB memory stick connected to one of the PC’s USB ports.

1.1 Installation

- During installation the user need to select the option to include PDF creator software which comes free with this installation file.

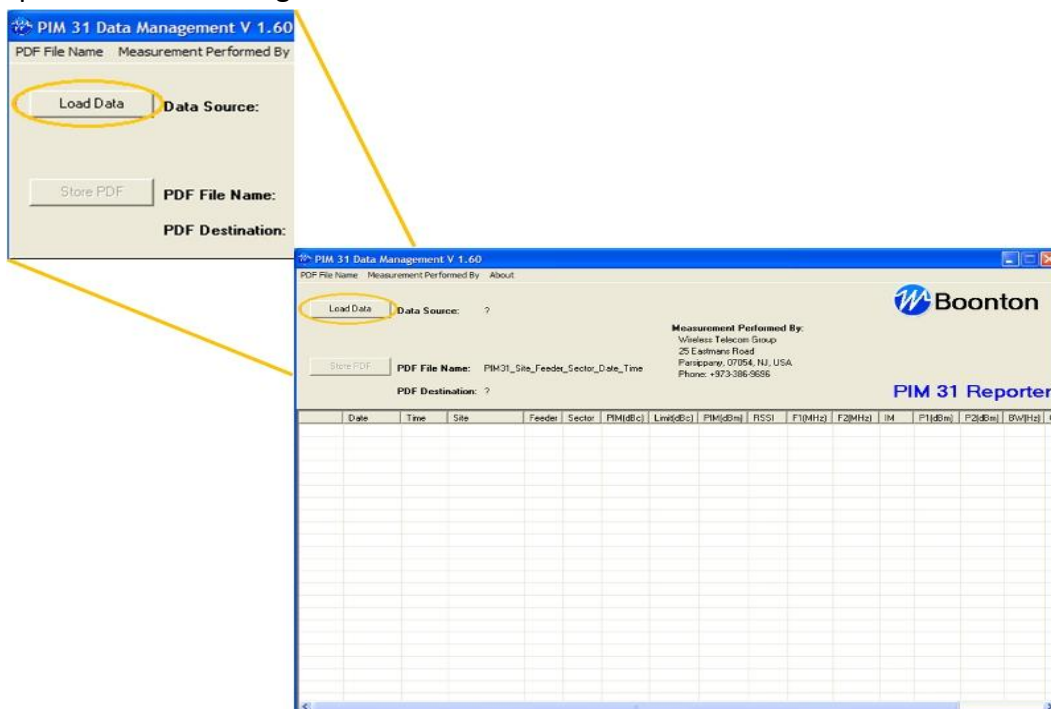


- Check the box during installation progress for PDF creator as below



1.2 PIM 31 Reporter settings

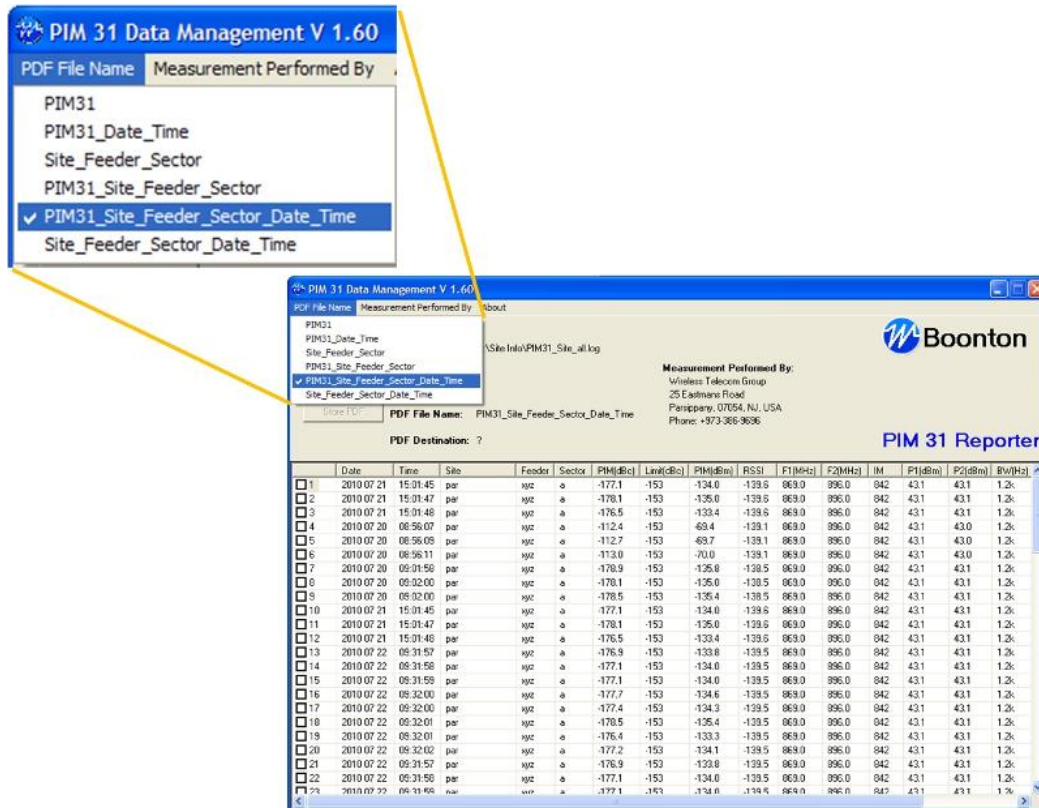
- Copy the log file from the PIM31 unit by using any USB memory stick and transfer them into the PC by creating any folder
- Select the “Load Data” button from the PIM31 Data Management Software in order to open the collected log file.



- Open the collected log file name from the folder location of your PC.



- **File Menu** “PDF File Name” allows selecting desired naming conventions for the PDF report file.



- Select the measurement(s) you want to have as PDF report by checking the appropriate box(es).

PIM 31 Data Management V 1.60

PDF File Name: Measurement Performed By: About

Load Data Data Source: D:\Site Info\PIM31_Site_all.log

Measurement Performed By:
Wireless Telecom Group
25 Eastmans Road
Parsippany, 07054, NJ, USA
Phone: +973-386-9696

Store PDF PDF File Name: PIM31_Site_Feeder_Sector_Date_Time

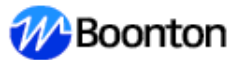
PDF Destination: C:\Documents and Settings\mlam\Desktop\

PIM 31 Reporter

| | Date | Time | Site | Feeder | Sector | PIM(dBc) | Limit(dBc) | PIM(dBm) | RSSI | F1(MHz) | F2(MHz) | IM | P1(dBm) | P2(dBm) | Bw(Hz) |
|-------------------------------------|------------|----------|------|--------|--------|----------|------------|----------|--------|---------|---------|-----|---------|---------|--------|
| <input checked="" type="checkbox"/> | 2010 07 21 | 15:01:45 | par | xyz | a | -177.1 | -153 | -134.0 | -139.6 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 21 | 15:01:47 | par | xyz | a | -178.1 | -153 | -135.0 | -139.6 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 21 | 15:01:48 | par | xyz | a | -176.5 | -153 | -133.4 | -139.6 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 20 | 08:56:07 | par | xyz | a | -112.4 | -153 | -69.4 | -139.1 | 869.0 | 896.0 | 842 | 43.1 | 43.0 | 1.2k |
| <input type="checkbox"/> | 2010 07 20 | 08:56:09 | par | xyz | a | -112.7 | -153 | -69.7 | -139.1 | 869.0 | 896.0 | 842 | 43.1 | 43.0 | 1.2k |
| <input type="checkbox"/> | 2010 07 20 | 08:56:11 | par | xyz | a | -113.0 | -153 | -70.0 | -139.1 | 869.0 | 896.0 | 842 | 43.1 | 43.0 | 1.2k |
| <input type="checkbox"/> | 2010 07 20 | 09:01:58 | par | xyz | a | -178.9 | -153 | -135.8 | -138.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 20 | 09:02:00 | par | xyz | a | -178.1 | -153 | -135.0 | -138.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 20 | 09:02:00 | par | xyz | a | -178.5 | -153 | -135.4 | -138.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 21 | 15:01:45 | par | xyz | a | -177.1 | -153 | -134.0 | -139.6 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 21 | 15:01:47 | par | xyz | a | -178.1 | -153 | -135.0 | -139.6 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 21 | 15:01:48 | par | xyz | a | -176.5 | -153 | -133.4 | -139.6 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:31:57 | par | xyz | a | -176.9 | -153 | -133.8 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:31:58 | par | xyz | a | -177.1 | -153 | -134.0 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:31:59 | par | xyz | a | -177.1 | -153 | -134.0 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:32:00 | par | xyz | a | -177.7 | -153 | -134.6 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:32:00 | par | xyz | a | -177.4 | -153 | -134.3 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:32:01 | par | xyz | a | -178.5 | -153 | -135.4 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:32:01 | par | xyz | a | -176.4 | -153 | -133.3 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:32:02 | par | xyz | a | -177.2 | -153 | -134.1 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:31:57 | par | xyz | a | -176.9 | -153 | -133.8 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:31:58 | par | xyz | a | -177.1 | -153 | -134.0 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |
| <input type="checkbox"/> | 2010 07 22 | 09:31:59 | par | xyz | a | -177.1 | -153 | -134.0 | -139.5 | 869.0 | 896.0 | 842 | 43.1 | 43.1 | 1.2k |

- “Store PDF” creates and stores a PDF report file. It can be saved at any folder location of your PC.

The example on the next page shows a typical report file.



PIM Test Protocol

Site: **NYC Time Square**

FAIL

Feeder: **4**
Sector: **Alpha**

PIM Level: **-149.1** dBc (Limit: **-153** dBc)
-106.1 dBm

RSSI: **-144.7** dBm (Measured before PIM test)

Settings:

Test system:

PIM31-F05

Frequency 1: **869.0** MHz
Frequency 2: **896.0** MHz
IM Frequency: **842** MHz

Serial Number: **S/N 00000000**

Firmware: **V1.2.0**
Hardware: **V00000000**

Power F1: **43.0** dBm
Power F2: **43.0** dBm

Cal Date: **00000000**

Bandwidth: **1.2k** Hz
(default: 1.2 kHz)

Measurement performed by:

Wireless Telecom Group
25 Eastmans Road
Parsippany, 07054, NJ, USA
Phone: +973-386-9696

Date: 2010 02 24
Time: 13:02:55
Operator: WTG

Comment:
