

Quick Reference Card – Multi-Frequency Testing

PIM Master™ MW82119A/B-0700

Applies to PIM Master with Firmware Version 3.83 or higher.

Using Default Frequencies

Default Frequencies	Low Band	High Band
Frequency 1	734 MHz	734 MHz
Frequency 2	764 MHz	761 MHz
3 rd Order IM	704 MHz	788 MHz

Select Low Band and Calibrate:

1. Press **Measurements** → **PIM vs. Time**.
2. Press **Freq** → **Band Select** (Low should be underlined).
3. Validate correct frequencies (defaults from table above).
4. Press **Shift** → **Cal (2)** → **Start Calibration**.
5. Follow on-screen instructions to complete calibration.

Select High Band and Calibrate:

6. Press **Freq** → **Band Select** (High should be underlined).
7. Validate correct frequencies (defaults from table above).
8. Press **Shift** → **Cal (2)** → **Start Calibration**.
9. Follow the on-screen instructions to complete the calibration.

The PIM Master will now allow switching between Low and High bands without calibration.

Note The MW82119A calibration is reloaded when the red text on the left sidebar turns white.

Using Custom Frequencies

Note Setup files must be saved while in the PIM vs. Time measurement screen.

Select Low Band, Set Frequencies, and Calibrate:

1. Press **Measurements** → **PIM vs. Time**.
2. Press **Freq** → **Band Select** (Low should be underlined)
3. Press **Freq** → **Carrier F1** and/or **Freq** → **Carrier F2** and enter a new frequency.
4. Press **Shift** → **Cal (2)** → **Start Calibration**.
5. Follow the on-screen instructions to complete the calibration.

Save Setup File and Calibration for Low Band:

6. Press **Shift** → **File** → **Save**.
7. Change the *Filetype* to **Setup** and enter the filename.
8. Press **Enter**.

Select High Band, Set Frequencies, and Calibrate:

9. Press **Freq** → **Band Select**. (High should be underlined).
10. Press **Freq** → **Carrier F1** and/or **Freq** → **Carrier F2** and enter a new frequency.
11. Press **Shift** → **Cal (2)** → **Start Calibration**.
12. Follow the on-screen instructions to complete the calibration.

Save Setup File and Calibration for High Band:

13. Press **Shift** → **File** → **Save**.
14. Change the *Filetype* to **Setup** and enter the filename.
15. Press **Enter**.

The PIM Master will now allow you to recall either setup file without recalibration.

Recall a Setup file:

1. Press **Shift** → **File**.
2. Select the Setup file, then press **Enter**.

Note For MW82119A, after recalling the saved setup, go to **Swept PIM** to make the measurement; do not make a PIM vs. Time measurement until you have gone to **Swept PIM** first.

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