Power Measurement Solutions

### Universal USB Power Sensors
- **MA24208A**: 10 MHz to 8 GHz
- **MA24218A**: 10 MHz to 18 GHz
  - Measurement range: -60 dBm to +20 dBm
  - Power range: 0.1 µW to 200 mW
  - Sample rate: >11,000 readings/s buffered
  - Max power: +30 dBm avg

### Microwave CW USB Power Sensors
- **MA24330A**: 10 MHz to 33 GHz
- **MA24340A**: 10 MHz to 40 GHz
- **MA24350A**: 10 MHz to 50 GHz
  - Measurement range: -70 dBm to +20 dBm
  - Power range: 1 mW to 100 mW
  - Sample rate: >5,600 readings/s buffered
  - Max power: +26 dBm avg

### Peak Power USB Sensors
- **MA24406A**: 50 MHz to 6 GHz
- **MA24408A**: 50 MHz to 8 GHz
- **MA24418A**: 50 MHz to 18 GHz
  - Measurement range: -40 dBm to +20 dBm
  - Power range: 0.1 µW to 100 mW
  - VBW: Up to 195 MHz

### True RMS USB Power Sensors
- **MA24105A**: 350 MHz to 4 GHz
  - Forward and Reverse Measurements
  - Measurement range: +3 dBm to 51.76 dBm
  - Power range: 2 mW to 150 W

- **MA24106A**: 50 MHz to 6 GHz
  - Measurement range: -40 dBm to +23 dBm
  - Power range: 0.1 µW to 200 mW

- **MA24108A**: 10 MHz to 8 GHz
  - Measurement range: -40 dBm to +20 dBm
  - Power range: 0.1 µW to 100 mW

### Power Meters
- **ML2437A & ML2438A**: 100 kHz to 65 GHz
  - Measurement range: -70 dBm to +20 dBm
  - Power range: 1 nW to 100 mW
  - Sample rate: >5,600 readings/s buffered
  - Max power: +26 dBm avg

### Pulse Power Meters
- **ML2495A & ML2496A**: 100 kHz to 65 GHz
- **MA249xA**, **MA2411B**
  - Measurement range: -40 dBm to +20 dBm
  - Power range: 0.1 µW to 100 mW
  - Sample rate: >11,000 readings/s buffered
  - Max power: +30 dBm avg

### Recommended Sensors
- **MA247xD**, **MA244xD**, **MA248xD**, **MA2400xA**, **MA249xA**
- **MA249xA**, **MA2411B**
## Power Measurement Solutions

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<td>(1) Frequency and Dynamic Range depend upon the model number of the sensor.</td>
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| Frequency (GHz)(1) | -50 to +20 | -70 to +20 | -60 to +20 | -40 to +20 | 0.05 to 40 | 0.01 to 50 | 0.01 to 18 | 0.35 to 4 | 0.01 to 50 | 0.01 to 18 | 0.01 to 50 | 0.01 to 18 | 0.01 to 50 |
| Dynamic Range (dBm)(1) | -50 to +20 | -70 to +20 | -60 to +20 | -40 to +20 | +3 to +38, 51.76 peak | -30 to +20 | -60 to +20 | -70 to +20 | -67 to +20 | -60 to +20 | -20 to +20 |
| VBW                  | Up to 195 MHz | 50 kHz | 100 Hz (avg), 4 MHz peak | 100 kHz | 100 kHz | 20 MHz | 50 MHz |
| Average              | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           |
| Peak Power & CrestFactor | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           |
| CCDF & PDF           | ■           | ■           | CCDF MA24105A only | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           |
| PAE Measurement      | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           |
| NIST Traceable Calibration | Up to 18 GHz | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■           |
| Applications         | Pulse profiling, Any modulation | CW | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | CW, Pulse, Any Modulation | General Purpose, CW | General Purpose, CW | CW, Pulse, Any Modulation | Pulse Profiling, Any Modulation |
| Compatible Power Meters | PC with Windows 7 or higher | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | PC with Windows 2000 or higher, Site Master, Cell Master, Spectrum Master, VNA Master, BTS Master | ML24xxA/B | ML24xxA/B | ML24xxA/B | ML24xxA/B | ML24xxA/B, ML249xA | ML24xxA/B, ML249xA |

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