

Wavelength Calibration Data For Model 2103 HDR Power Sensor

| Product Name | Model No. | Serial No. | Operator |
|---------------------------------|-----------|------------|----------|
| High Dynamic Range Power Sensor | 2103 | 2311 | Tram |

Data Fitting: V_{CAL} (V) vs. Wavelength λ (μm)

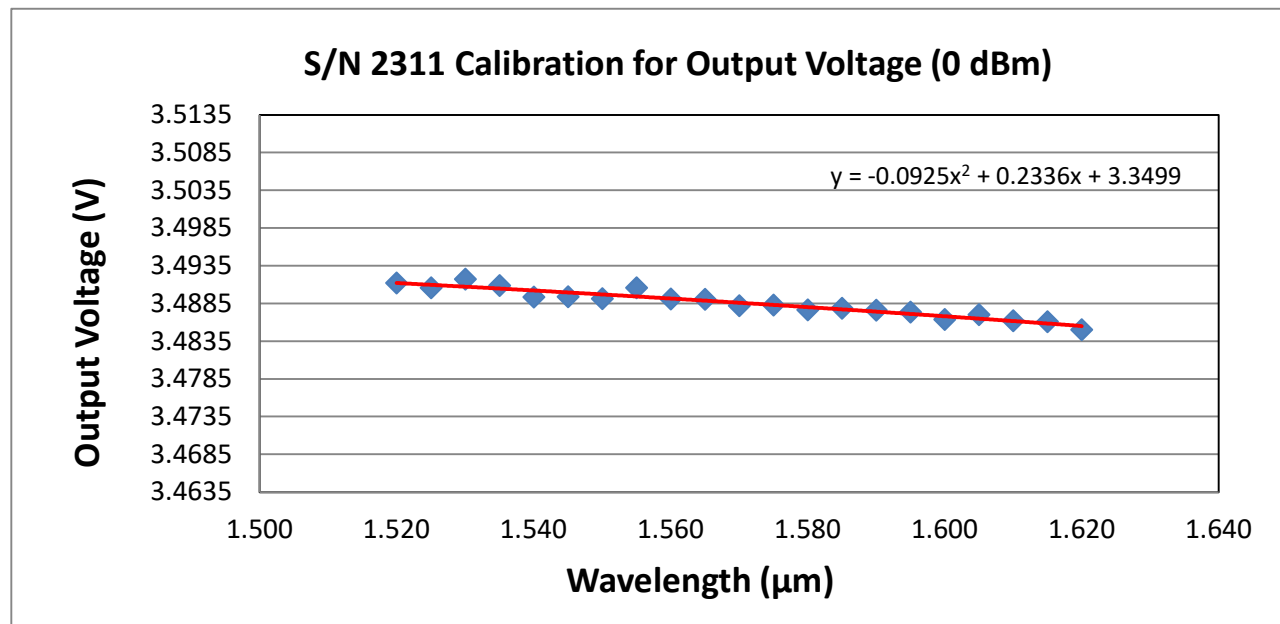
$$V_{CAL}(\lambda) = -A*\lambda^2 + B*\lambda + C \text{ (V)}$$

Where λ is in unit of μm . Calibration is at 0 dBm input power level

Measured Data: V_{CAL} (V) vs. Wavelength λ (μm)

| Wavelength (μm) | V_{CAL} (V) | Wavelength (μm) | V_{CAL} (V) |
|------------------------------|---------------|------------------------------|---------------|
| 1.52 | 3.4912 | 1.575 | 3.4883 |
| 1.525 | 3.4906 | 1.58 | 3.4877 |
| 1.53 | 3.4917 | 1.585 | 3.4879 |
| 1.535 | 3.4909 | 1.59 | 3.4876 |
| 1.54 | 3.4894 | 1.595 | 3.4874 |
| 1.545 | 3.4894 | 1.6 | 3.4864 |
| 1.55 | 3.4892 | 1.605 | 3.4870 |
| 1.555 | 3.4906 | 1.61 | 3.4862 |
| 1.56 | 3.4891 | 1.615 | 3.4861 |
| 1.565 | 3.4891 | 1.62 | 3.4851 |
| 1.57 | 3.4882 | | |

Graph: V_{CAL} (V) vs. Wavelength λ (μm)



Calculation Optical Power

$$P \text{ (dBm)} = 20 \times (V_{\text{meas}} - V_{\text{cal}})$$