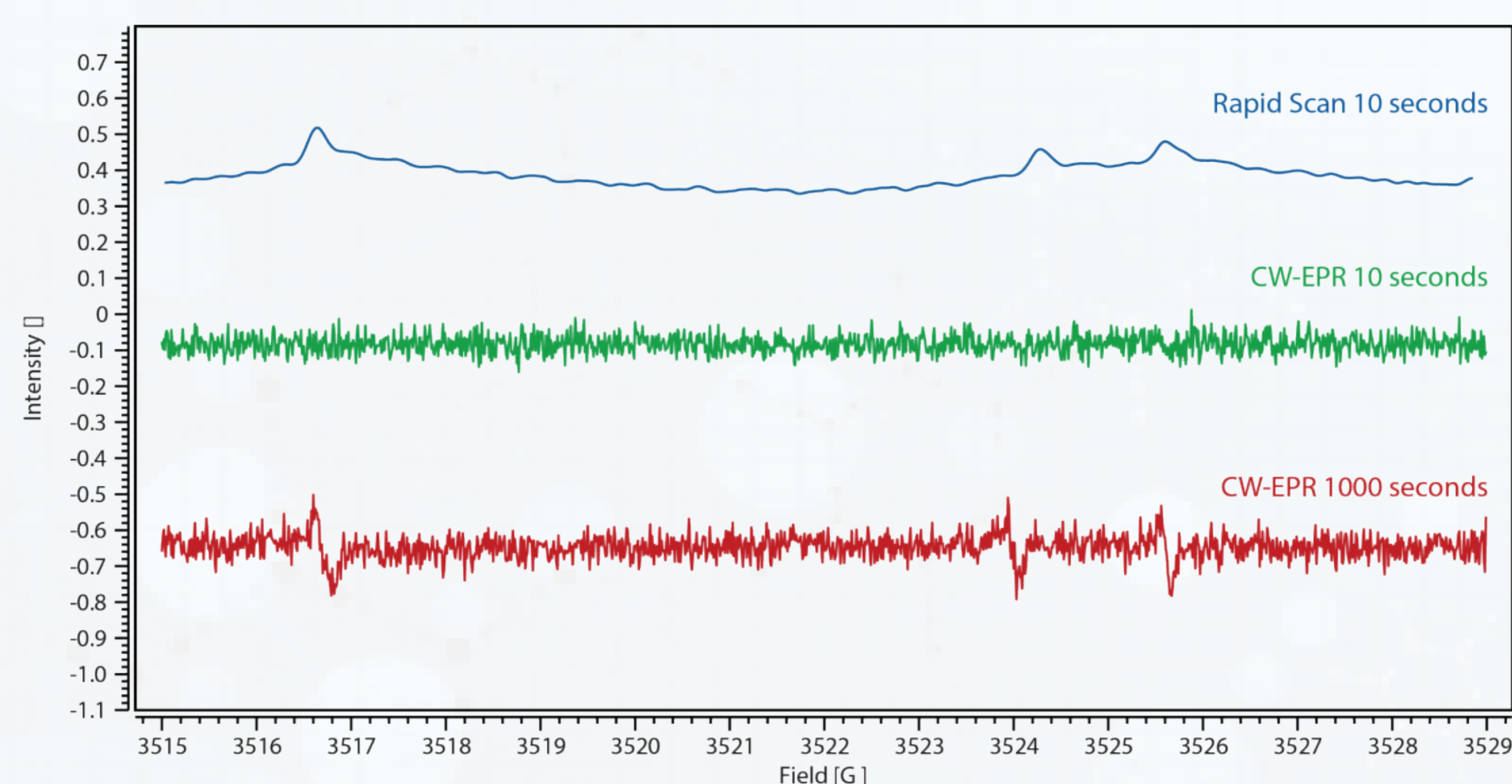
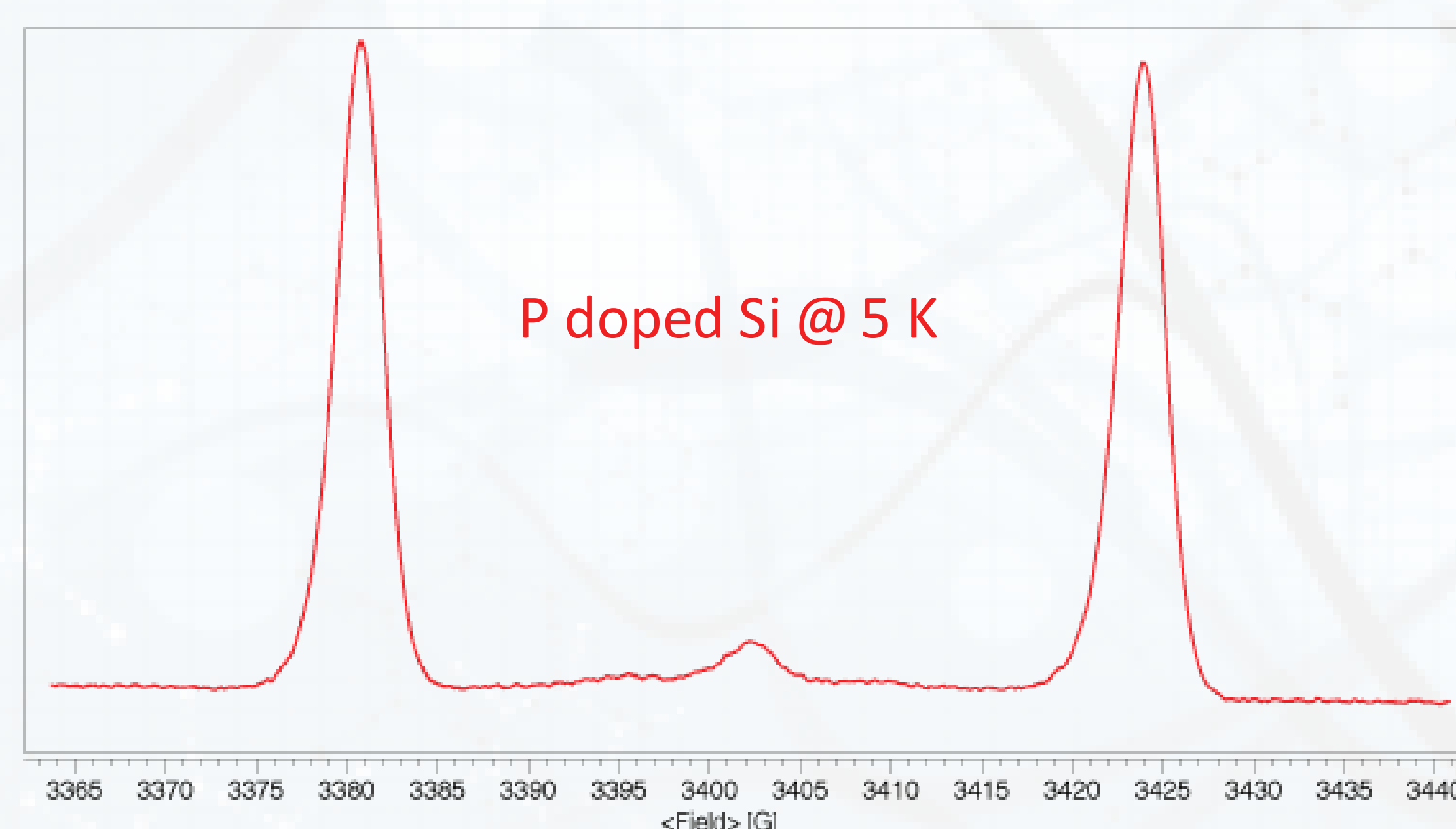


Seeing the unseen



High field part of P1 center in diamond

Exploiting the full range of temperature



Rapid Scan Accessory

- **Overcoming Saturation Limitations**

Rapid Scan strongly reduces saturation effects by having very short transit times through the EPR line. When compared to CW EPR, this results in a higher signal to noise for RS-EPR in the same total experimental time.

At low temperature there is a competition between gain due to the Boltzmann effect and increased relaxation times. This is a disadvantage in classical CW-EPR. However, Rapid Scan overcomes that bottleneck and the full advantage of low temperature is realized.