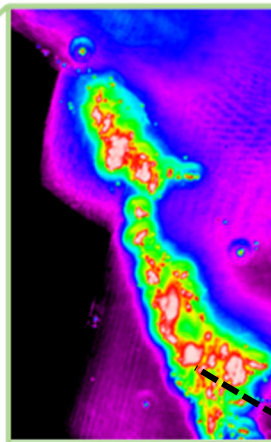
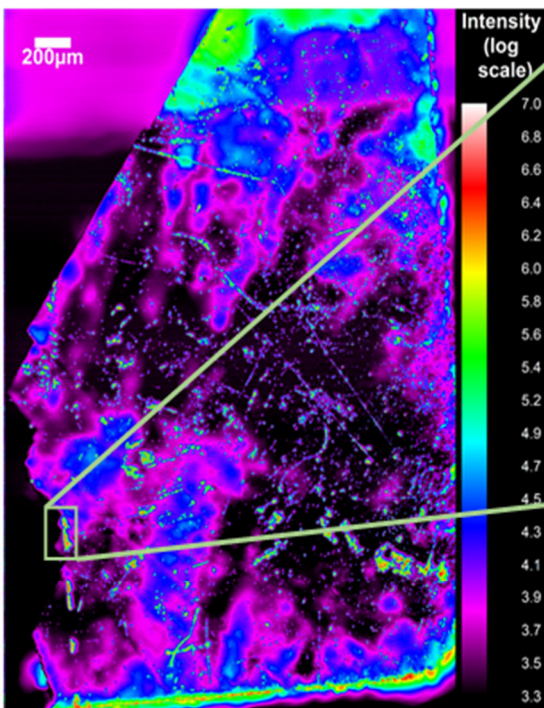


The Klar Mini Pro: Spectroscopic Microscopy with multi-scan capability from the DUV-near IR



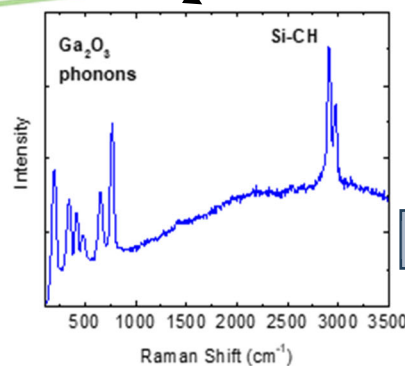
- 266 nm PL kit
- 532 nm Raman or PL kit
- 975 nm PL kit
- **Multi-scanning**
 - Scan
 - Change kit, and/or
 - Change resolution, and/or
 - Change start/end position
 - Rescan
- **Maintains registration**



Raman spectroscopy was performed on a UV emitting region and Si-CH contaminants were discovered.

2

From "Photoluminescence and Raman mapping of β -Ga₂O₃," *AIP Advances* (2021).



3

1. Using UV kit, take hi-resolution PL scan
2. Replace UV kit with Raman kit (5 min) and take Raman spectra from brightest emitters
3. Identify hydrogen-annealing damage

1 PL mapping revealed defects on gallium oxide. From "Localized UV emitters on the surface of Ga₂O₃," *Scientific Reports* (2020).