

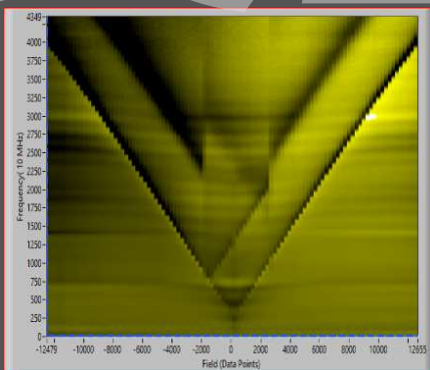
The MagSpectra FMR-40 is designed to be a turnkey solution that is forward compatible with MagVision® by utilizing existing microscope and electromagnet systems. Using state-of-the-art hardware components supporting broadband microwave frequencies of up to 40 GHz, the utmost care and accuracy can be readily achieved for ultra-sensitive spintronic devices.

The included GUI software provides recipe-based measurements and comprehensive data analysis in tandem with the latest research and development. It can be further integrated with the MMP Stage™ to allow for automated measurements of the devices within a single sample.

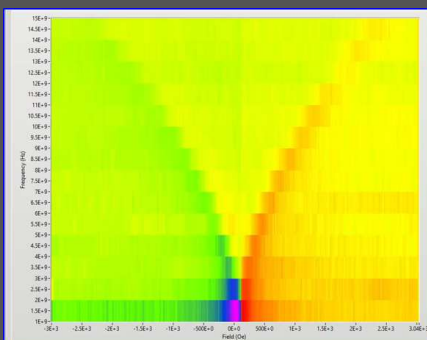


## FEATURES

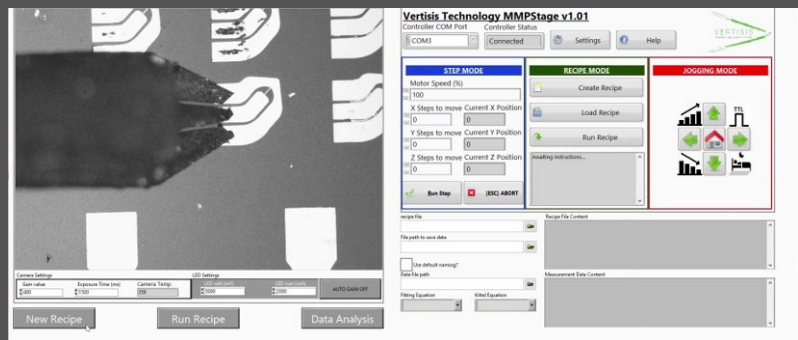
- Microwave frequencies: **0.01 to 40 GHz, step size of 10 MHz**
- Microwave power : **- 20 dBm to 15 dBm, step size of 1dBm**
- OOP magnetic field : **400 mT, step size of 1mT**
- IP magnetic field : **400 mT, step size of 1mT**
- Bias current : **- 1 to 1 A, step size of 1 mA**  
- **0.05% accuracy @10mA**
- Noise : **< 3 nV/√Hz @ 1 kHz LIA bandwidth**
- Graphical GUI with recipe-based management system
- Compatible with MagVision® System



MTJ for spin diode applications



Pt(5)/Co(5) bilayer stack on oxidized Si substrate



Graphical GUI