

Electric & Dielectrical Lab: EMI shielding

Principle

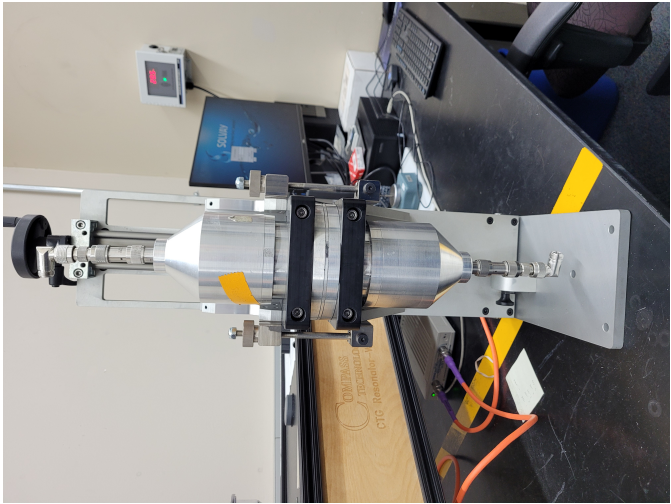
EMI shielding, of high importance in the electronics industry, measures the effectiveness of a material to protect signals from being disrupted by external electromagnetic signals, as well as preventing generated signals from interfering with surrounding components.

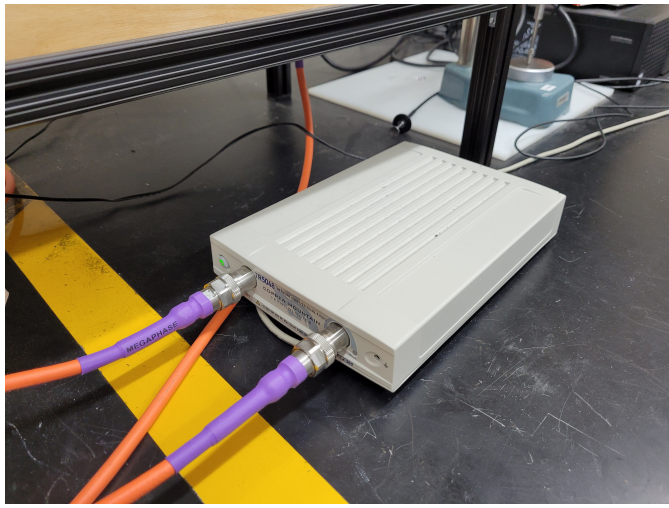
Capabilities

20KHz - 15.GHz

- ASTM D4935
- Repeated sweeps are made across the frequency range and averaged for both the shield and blank specimens
- 6" square sample or larger (minimum 4 required)
- Testing temperatures (lab ambient)

Equipment

	Equipment Type	Information
	Custom fixture for 20KHz-1.5 GHz	<ul style="list-style-type: none">• Frequency range is swept• Shield is compared to blank• Samples are modified to fit



Copper Mountain TR-5048 VNA

- Connects to fixture coaxially
- Utilizes TRVNA software