

List of all equipment available in the Microwave Engineering Lab, Tezpur University

1. Vector network analyzer, Agilent E8362C (10 MHz-20 GHz)
2. Vector network analyzer; Anritsu MS46322B-043 (1 MHz - 43.5 GHz)
3. Network analyzer, Copper Mountain Technologies (0.3 MHz-1.3GHz)
4. Spectrum analyzer, Anritsu MS2719B (9 KHz- 20 GHz)
5. Analog signal generator, Agilent MXG N5183A (100 KHz-20 GHz)
6. Spectrum analyzer, Aaronia AG
7. Vector Signal generator, Aaronia AG VSG240X
8. Power meter, Agilent E4418B
9. Microwave average power sensor, Agilent N8481B (10 MHz - 18 GHz)
10. Antenna measurement setup; Diamond Engineering
11. Log periodic antenna, Hyper Log 60250; (680 MHz-25 GHz)
12. Horn Antenna, Aaronia AG Power Log 40400 (4 GHz-40 GHz)
13. Horn Antennas (L, S, C, X)
14. EM probes
15. Optical Power Meter; FOP-01; (Range -70 dBm - +10 dBm)
16. Digital Storage Oscilloscope; Agilent- DSO-X-2022A
17. Dielectric measurement setup
18. Conductivity measurement setup
19. Automated X-band microwave bench Microwave high power measurement system in X- band (Developed under the BRNS-DAE project)
20. Human phantom
21. SPEAG exposure acquisition system
22. Four probe measurements setup
23. Room temperature hysteresis loop tracer, magneto-optic setup and magneto resistance setup
24. Saturation magnetization and curie temperature measurement setup (Pulsed field magnetometer)
25. Advanced Flexible Microwave Synthesis platform
26. Three axis milling machine and compression molder
27. Muffle Furnace
28. Laser cutter
29. 3d printer
30. Automated Hydraulic Press
31. CNC milling machine
32. Hot Air Oven
33. Centrifugal Mill
34. Mortar Grinder