

Antenna Testing Facility – Anechoic Chamber

In 2023, the Electronics & Communication Engineering department was sanctioned an Antenna Testing Anechoic Chamber by DoTE to advance the research in RF and Microwave system design, as well as to provide RF industry consulting services. The unit consisting of an 800 MHz to 20 GHz, operatable up to 40GHz antenna chamber, 6 GHz Network Analyzer primarily focuses on the analysis, design, simulation, integration, antenna testing, and radiation immunity testing of RF products for applications in telecommunications, navigation, and sensors.

The facility is equipped to measure a variety of radiation parameters, including Azimuth and Elevation Radiation Patterns, Co-Polarization, Cross Polarization, Gain, Radiation Efficiency, Directivity, Half Power Beam Width, Front-to-Back Ratio, Linear Polarization, Reflection Coefficient (Return Loss), SWR, Transmission Parameters, and Port Impedance Profile.





