



TECHNOLOGY INNOVATION HUB (TIH) IN ADVANCED COMMUNICATION SYSTEMS

RF ANECHOIC CHAMBER

IIITB COMET Foundation, a TIH in Advanced Communication Systems, specializes in translational research in design and development of wireless communication technologies for civilian and defense applications. The RF anechoic chamber at IIITB COMET Foundation is built to test and characterize the performance of antennas, smart surfaces, and other RF devices.

1. OBJECTIVE:

The facility is to test and characterize the performance of antennas, smart surfaces, microwave devices, and other RF devices. This anechoic chamber can be utilized for multiple activities such as:

- a. Academic and commercial R&D activities and projects.
- b. Demo of prototypes and products to third-parties.

2. SPECIFICATIONS:

Chamber dimensions	10 m (L) x 10 m (W) x 7.5 m (H)
Frequency range	700 MHz to 8 GHz
Test distance	8 m
Near field or far field	Far field

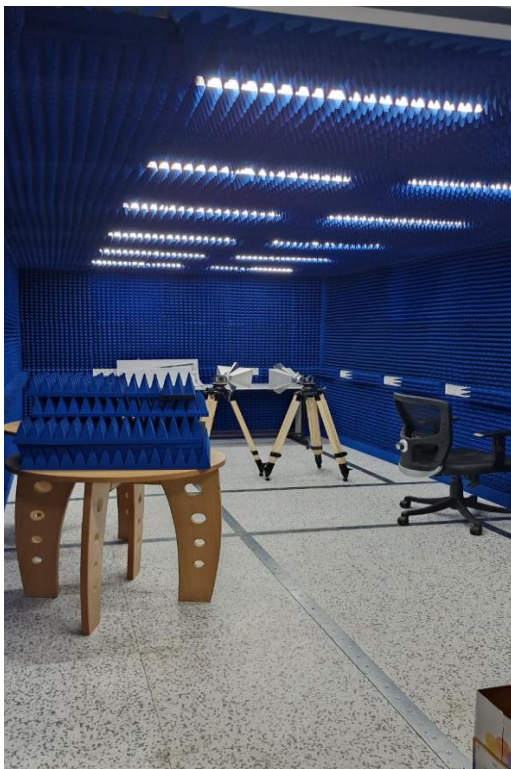
3. TEST EQUIPMENT AVAILABLE:

- a. Vector Network Analyzer: R&S ZNB3020 VNA (9 KHz to 20 GHz)
- b. Horn Antennas: 2 x R&S HF907 Double-ridged waveguide horn antenna (800MHz to 18GHz) with tripod stands

4. RENTAL FACILITY:

The anechoic chamber and the equipment are available for research scholars, faculty, and commercial and not-for-profit entities on payment basis:

Duration / Nature of entity	Academia / not-for-profit	Commercial
0 – 4 hours	INR 3,000 + GST	INR 6,000 + GST
4 – 8 hours	INR 6,000 + GST	INR 12,000 + GST





To book our facility Write to us at “comet@jiitb.ac.in”