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AZISTA TEST FACILITY

- Testing as a Service...



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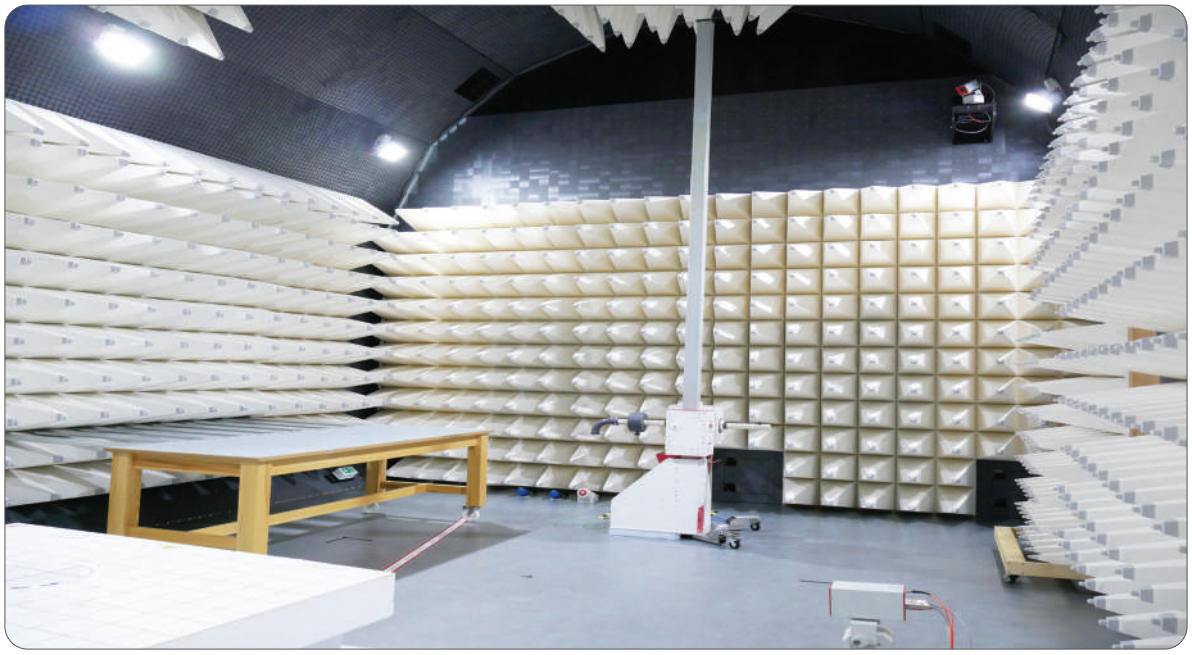
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EMI-EMC Test Facility

ABA Semi-Anechoic Chamber

The SAC-3 Plus is Frankonia's most versatile full compliant EMC testing solution at 3m measuring distance with a Quiet Zone up to ø 2m. It is adapted for full compliant emission and immunity testing. The innovatively shaped roof, called dome design, with its optimized absorber layout leads to minimized reflections and offers outstanding performance for NSA, SVSWR and FU.



The test facility supports EMI/EMC measurements and provides EMI/EMC evaluation of subsystems as per Military standard.

The following major tests can be performed :

- Conducted Emission
- Conducted Susceptibility
- Radiated Emission
- Radiated Susceptibility
- Electrostatic Discharge

The following tests can be performed with MIL STD 461 E/F/G standard.

S. No.	Test	Test Description	Frequency Range
1	CE101	Conducted Emission, Power leads	30 Hz to 10 KHz
2	CE102	Conducted Emission, Power leads	10 KHz to 10 MHz
3	CS101	Conducted Susceptibility, Power leads	30 Hz to 150 KHz
4	CS106	Conducted Susceptibility, Transients, Power leads	30 Hz to 20 GHz
5	CS109	Conducted Susceptibility, Structure Current	60 Hz to 100 KHz
6	CS114	Conducted Susceptibility, Bulk Cable Injection	4 KHz to 400 MHz
7	CS115	Conducted Susceptibility, Bulk Cable Injection	Impulse Excitation with 30ns pulse width
8	CS116	Conducted Susceptibility, Damped Sinusoidal Transients	10 KHz to 100 MHz
9	CS118/ IEC61000-4-2	Electrostatic Discharge test	Upto 30 KV
10	RE101	Radiated Emission, Magnetic field	30 Hz to 100 KHz
11	RE102	Radiated Emission, Electric field	10 KHz to 18 GHz
12	RS101	Radiated Susceptibility, Magnetic field	30 Hz to 100 KHz
13	RS103	Radiated Susceptibility, Electric field	10 MHz to 40 GHz

- **Anechoic Chamber Size**

  9.6m (length) x 6.8m (width) x 6m(height)

- **Shielding Effectiveness measurement**

  Frequency range : Up to 26.5 GHz

- **Chamber Shielding Effectivness**

  Better than 100 dB

- **Chamber frequency Range**

  Frequency range : 10kHz - 40 GHz

- **Antenna Radiation Pattern measurement**

  Frequency range : 1 GHz to 18 GHz

Flow of Activities

01 Testing Requirement
Assessing customer's specific needs via sales team

02 Requisition Form
Standardized documentation for detailed requirements

03 Quotation
Formal pricing proposal based on requisition

04 Agreement
Contract covering scope, terms & deliverables

05 PO & Payment
Processing service fees and invoicing

06 Testing
As per the Requisition forms

07 Test Reports
Certified reports as per NABL accreditation standards

08 Acknowledgement
Final confirmation of service delivery & acceptance

Standards & Certifications

- ISO 9001:2015
- AS9100D:2016
- ESA/ ECSS Standards
- IPC-A-610
- IPC/WHMA-A-620
- JSTD-001
- In-House IPC Trainer
- ISO 14001:2015
- ISO 27001:2022
- CMMI Level 5
- ISO 45001:2018
- ISO 13485:2016
- NABL Certified
- ISRO-PAX-300 for PCBA
- ISRO-PAX-305 for MIC Assembly
- Test & Evaluation Facility

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Document Number: AZSTF Release A (10 February 2026)