

Examination expense chart

Examination name	Outline	Specification	Equipment usage fee	Initial cost	Operator fee ※3	Results transfer fee※4	Remarks/Notes
EMC testing	Antenna pattern measurement. Electromagnetic emission test.	Wave absorber inside dimension : 6.0mx5.2mx5.0m	10,000 yen/day	20,000 yen/day	30,000 yen/day	20,000 yen/day	Consumables cost (actual cost) is collected separately. ※1
Vibration test	Verify standing Vibration when Launching of Rocket.	Maximum 24 points can be used. Need consultation if need more.	15,000 yen/day		30,000 yen/day	20,000 yen/day	Consumables cost (actual cost) is collected separately. ※1 In case of clean booth usage※2
Shock test	Verify standing separation shock during separation from Rocket.	Shock Test Limit : 10cm cubic and 50cm cubic Satellites only	20,000 yen/day		30,000 yen/day	20,000 yen/day	Consumables cost (actual cost) is collected separately. ※1 In case of clean booth usage※2
Thermal vacuum chamber (large)	Verify satellite performance under the temperature environment more strict than orbit condition.	Liquid Nitrogen shroud's internal diameter : 1.5m, Pressure : 1.0x10 ⁻⁵ Pa.	12,000 yen/day	50,000 yen/day	30,000 yen/day	20,000 yen/day	Consumables cost (actual cost) is collected separately. ※1 In case of clean booth usage※2
Thermal vacuum chamber (small)	Verify satellite performance under the temperature environment more strict than orbit condition.	DUT.(Max) : 15cm x 15cm x 30 cm (Inside LN2 Shroud), Pressure : 1.0x10 ⁻⁵ Pa.	12,000 yen/day	30,000 yen/day	30,000 yen/day	20,000 yen/day	Consumables cost (actual cost) is collected separately. ※1 In case of clean booth usage※2
Thermal cycle (large)	Verify the Durability of the exposed Satellite or Satellite Components to high & low temperature.	Temperature Range : -190~+200°C. Can be set any optional profile within this range	12,000 yen/day	10,000 yen/day	10,000 yen/day	10,000 yen/day	Consumables cost (actual cost) is collected separately. ※1
Thermal cycle (small)	Verify the Durability of the exposed Satellite or Satellite Components to high & low temperature.	Temperature Range : -190~+200°C. Can be set any optional profile within this range	12,000 yen/day	10,000 yen/day	10,000 yen/day	10,000 yen/day	Consumables cost (actual cost) is collected separately. ※1
Outgas Measurement	Testing of Component's outgasing (TML,TVC,etc.)	Based on ASTM E-595	100,000 yen/time		300,000yen/time	—	Consumables cost is included with apparatus usage fee. Measurable up to 6 samples at a time. One week may require per measurement.
Thermo-optics property	Measurement of Sunlight Absorptance & Vertical Emissivity	Measurement Wavelength Range Sunlight Absorptance Range : 0.25~2.5 μm Vertical Emissivity Range : 2.5~100 μm	12,000 yen/data (two times of Alpha and Epsilon measurement, total price is 12,000x4=48,000 yen per sample)		—	—	Consumables cost is included with apparatus usage fee and operator fee. Sample irregularity premium→permitted upon request. Only Kyushu Institute of Technology operator.Time for delivery: One month or more.
Satellite assembly room (Clean room)	Usage fees of satellite assembly room		4,000 yen/day		—	—	

Usage fee is subject to change without any notice.

Operation charge will increase if any consultant wants to change the plan during the on-going test (Example: While one test is running if any change is recommended by consultant/expert)

※1 : Refers to consumable cost of liquid nitrogen, making of dedicated Jig, additional portion of sensors, etc....

※2 : In the case of clean booth, fee of 10,000 yen/time of usage will be counted.

※3 : If equipment is operated by KIT staff, additional cost may count based on 8 hours/day/person

※4 : Immediately after test, result can be claimed after paying transfer fees. No test result will be released outside.