

EMC Measurement and Environmental Consulting Operation

We will come up to your test site and do consulting and characteristic improvement for your new / existing anechoic chamber.

1. Consulting for anechoic chamber

1.1 Variety of measurements and consulting

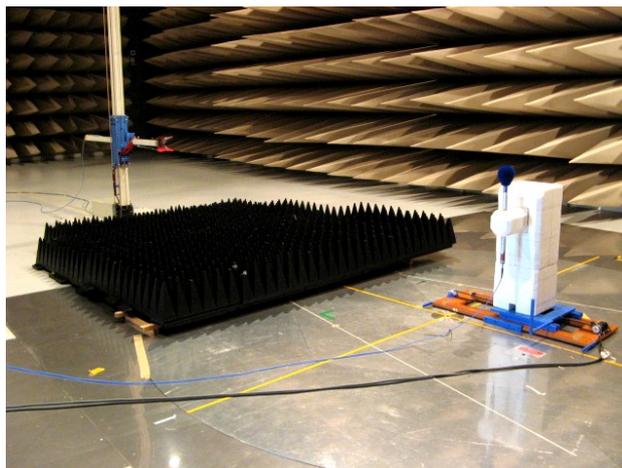
A) NSA attribution: 30M-1GHz CISPR16-1-4, VCCI

Lifting antenna mast / Countermeasure for reflectors, installation of absorbers in chamber and consulting conclusion most suitable measurement axis.



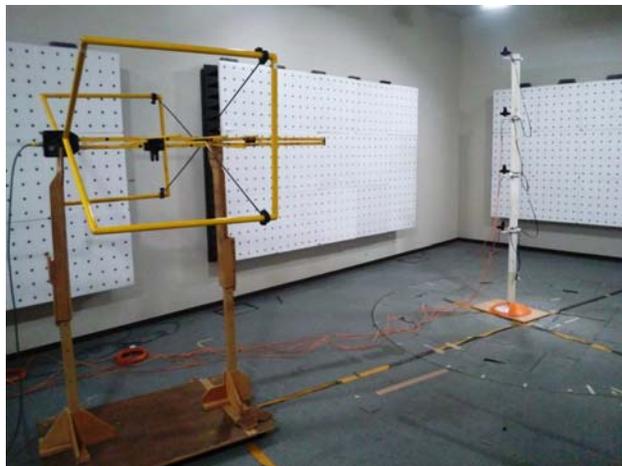
B) SVSWR attribution: 1GHz-6(18)GHz CISPR16-1-4, VCCI

- Consults your most suitable layout for floor absorbers in order to fit your test volume.
- Consults your selection of Horn antenna for EUT, measurement axis and layout of the wall absorbers.



C) Uniformity Radiation Electric Field: 80MHz-6(18)GHz IEC61000-4-3

- Consults and selects your most suitable floor absorbers and its layout.
- Consulting select of most suitable antenna (Selection for best antenna having radiating pattern meet with its uniformity) and power amplifier which fitting applied field intensity (Power).



D) Shielding attribution: 10k-40GHz IEEE Std 299-2006, EN 50147-1:1997

- The rightness countermeasure consulting and identify the problem points using the search coil.
- Most suitable countermeasure for electrical wave leaks based on our experience by our case of customer (doors, filters, connector panels, access panels, honeycomb filter for HVAC outlet and more)

**1.2 Consulting for anechoic chamber construction****A) Consulting for anechoic chamber construction**

- Sizing of chamber, selection of absorber and ferrite tile / layout, power filter / cabling, grander door layout, conclusion of axis and more.

B) Dark noise measurement: 9k~40GHz

- Dark noise measurement before chamber construction and its reduction countermeasure.
- Most suitable selection of cables and pre-amplifier for dark noise reduction.
- Plotting out to evaluation test contents before construction of the chamber for automotive testing.
- Reduction consulting for radiation noise from chassis dynamometer and mobile equipment.
- Radiation noise consulting for opening and closing position such as gantry antenna etc.

2. Electrical noise environmental measurement for building or factory etc.

- Electrical noise environmental measurement for factory facility: 9k~40GHz
- Electrical noise environmental measurement on open space before anechoic chamber construction.
- Electrical noise environmental measurement in the facility.

3. EMC training

- Basic technical education for EMC by our skilled engineer.
- From EMC standards to measurement as basic training and we also do countermeasure training based on our long time experience, it is also good for beginners of industry.
- Characteristic of anechoic chamber (NSA, SVSWR, Uniformity, Shield) training

*Please do not hesitate ask us about quotation because it depend on your suite condition. We are offering very much reasonable price by each of your order.

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