The Study of Anechoic Chamber Properties Using Ferrite Absorber Tiles

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ABSTRACT

The electronic products have changes with each new day, with the frequency higher and higher. Testing electronic devices radiate electromagnetic waves increasing demand for EMC anechoic chamber. Therefore, the establishment of the anechoic chamber is very important, and anechoic chamber facilities in the main material for ferrite absorber. Because of its characteristics related to the success or failure of the anechoic chamber. At present, this product more for Japan, Korea, and Europe and the United States and other manufactures produced. There is no domestic manufactures of products features can compete with foreign manufactures.

This study and development of this technology to improve the reflection loss, increase complex permeability and designed to improve the absorption properties of ferrite absorber tiles and the practical application of the product.

This study is the use of neural network algorithm to complete the ferrite absorber tiles features to enhance and complete the certification of the specifications requirements, to verify the idea of this study.

Keyword: anechoic chamber   ferrite   artificial neural network