

고전압트랜스포머의 진공이 방사선출력 노이즈에 미치는 영향

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Electric power characteristic test of diagnostic X-ray high voltage transformer by input power condition

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Abstract : High voltage transformer of Diagnostic X-ray system has been contributed to wiping out disease to get a good quality images from patients. High voltage transformer of diagnostic X-ray system has been usefully used for diagnostic purpose but if high voltage transformer performances are deteriorated, low quality image will be archived. In this case, operator has to exposure to get a more good quality images. In this case, unexpected radiation could be exposed to patient and it is very harmful to the patient. And I would like to design and make equipment to checkable high voltage transformer performance after that I wish to test and study what it is most influences in radiation output quality.

Key Words : Transformer, X-ray system, Noise