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## Design of a power supply system for a solid state RF transmitter

*Wednesday 4 June 2025 16:00 (2 hours)*

Design a power supply system for an 80kW solid-state RF system, incorporating power monitoring and protection features. The operating power for the SSPA module is supplied by an AC/DC power supply. Therefore, designing an appropriate power monitoring system is crucial. The system must include power protection control and monitoring features to ensure equipment safety and electrical security. Additionally, power information and system status can be easily accessed by remote operators through Modbus network communication.

### Footnotes

### Paper preparation format

Word

### Region represented

Asia

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