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## Production status of power coupler in MEXT-ATD/ITN

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At KEK, from FY2023, new 5-year plan for SRF technology development has started under MEXT-ATD program partly related to ITN. Power coupler is one of them, basically same as E-XFEL design. We chose the ceramics material developed by collaboration of KEK-KYOCERA. And, we changed some design from E-XFEL. We have done the RF simulation to evaluate the effect of these changes. In FY2024, we will produce four sets of power coupler including connecting waveguide. We will also perform necessary quality control/assurance using some samples. In this presentation, we will report the recent progress.

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