EMI Noise Reduction for PFC Converter with Improved Efficiency and High Frequency Clock

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PFC improvement points
- EMI noise reduction
- Switching loss decrease

PFC: Power Factor Correction

Solution
- Noise spectrum spread
- SiC (Silicon Carbide) usage

Very good AC-DC converter!

EMI noise reduction at clock generator

Reduction by 17.3dB

9.5 V

1.3 V