

Additional Conducted Noise Improvements

Our TPP product series are certified according to the medical safety standard (60601-1) as well as its EMC part (60601-1-2). All of them fulfil the required class B limits without external components.

If the measurements at the final application are worse than in the power supply standalone operation and a solution to improve EMC behaviour is required, the below shall help to design a solution to be used in customer's final application.

Used Filter Parts

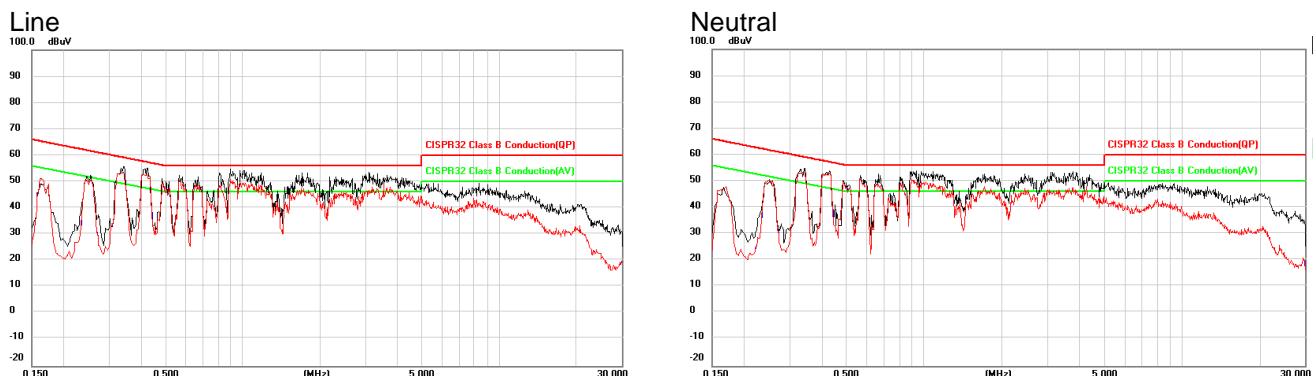
TPP 15 series	Schaffner FN9244B-3-06
TPP 30 series	Schaffner FN9244B-3-06, FN2030B-8-06
TPP 150 series	Schaffner FN2030B-8-06
TPP 450 series	Schaffner FN2030B-8-06

Results (Examples)

The following examples show conducted noise measurement results with and without power line filter together with different models of our TPP series.

TPP 15-105

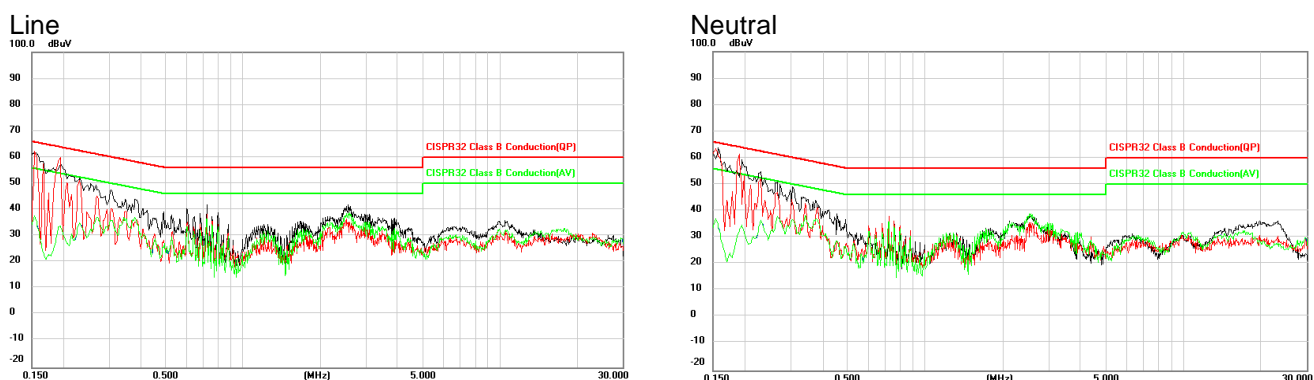
Vin= 230VAC; Full load; Conducted Emission



Black line: without external filter; Red line: with Schaffner FN9244B-3-06

TPP 30-112

Vin= 230VAC; Full load; Conducted Emission

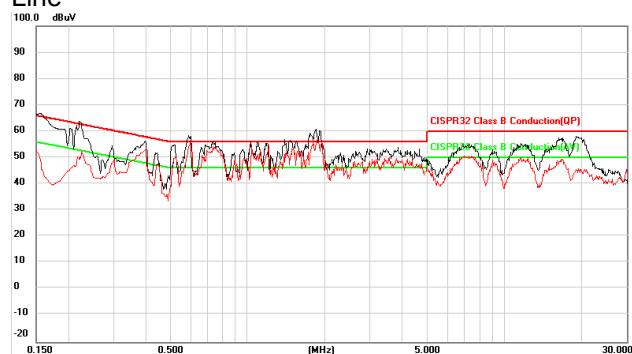


Black line: without external filter; Red line: with FN9244B-3-06; Green line: with FN2030B-8-06

TPP 150-112

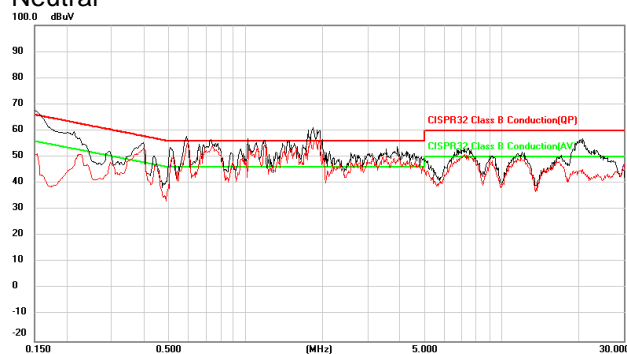
Vin= 230VAC; Full load; Conducted Emission

Line



Black line: without external filter; Red line: with FN2030B-8-06

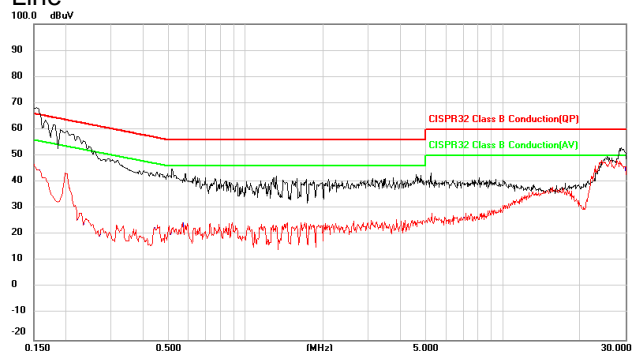
Neutral



TPP 450-124

Vin= 230VAC; Full load; Conducted Emission

Line



Black line: without external filter; Red line: with FN2030B-8-06

Neutral

