

MODELS: FR-D810W

TITLE: EMC DATA EXAMPLE (FR-D810W)

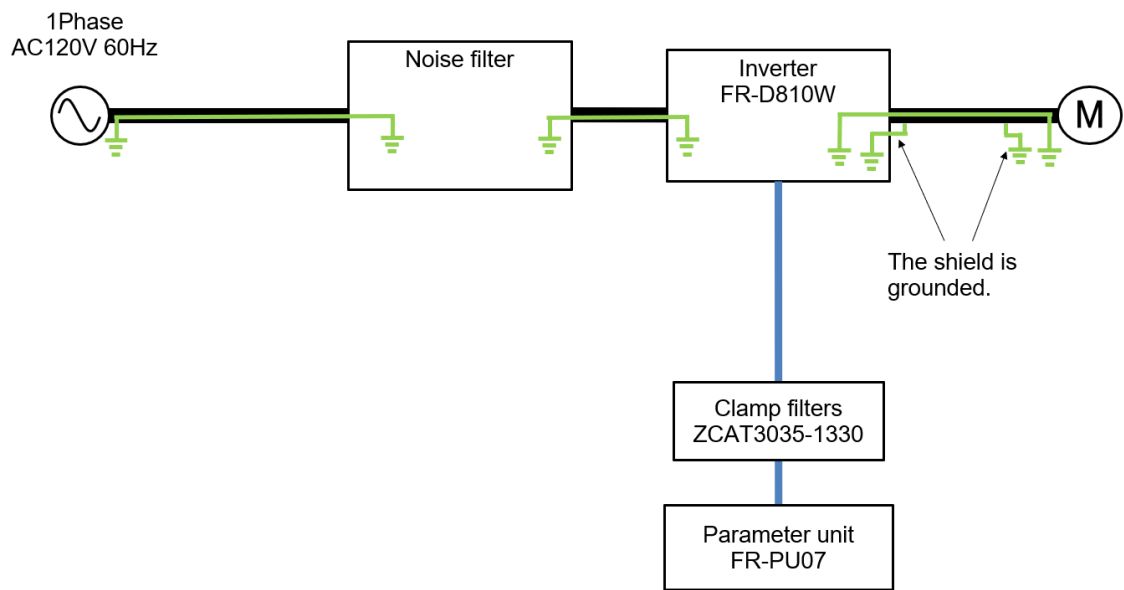
EMC data example when using Mitsubishi Electric general-purpose inverter FR-D810W.

Conditions

The measurement conditions were based on the 2nd Environment Category C3 specified in EN 61800-3 / IEC 61800-3.

(NOTE)The following EMC data example is under the determination value of EN61800-3 as the most strictest condition.

- Output interconnection (motor) length : 20m
- Output cable type : Shielded cable
- Inverter frequency : 30Hz
- Carrier frequency : Noted for each graph



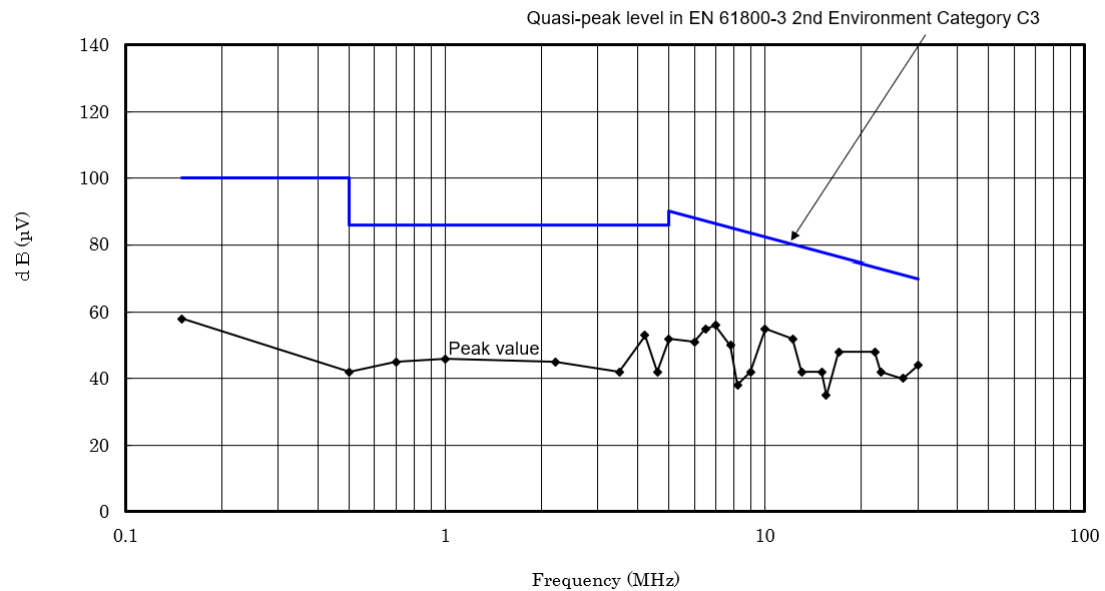
Wiring of the power supply and the motor	
Control/communication cable	
Earthing (grounding) cable	

**MODELS: FR-D810W**

**FR-D810W-0.4K-025 FN3288-10-44-C21-R65**

◆ Conducted noise

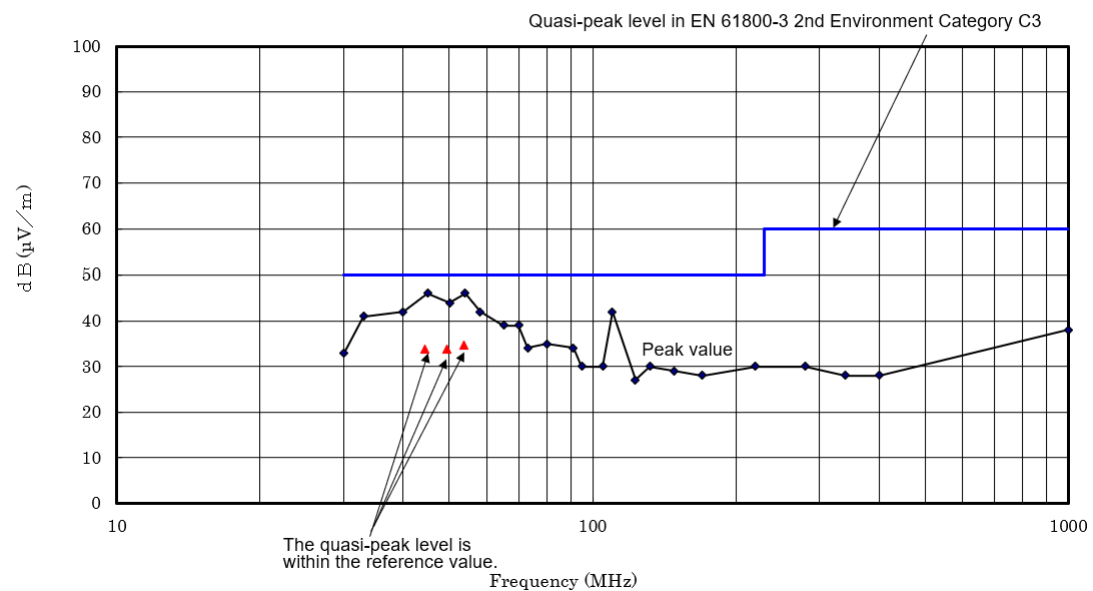
FR-D810W-0.4K-025 (Carrier frequency: 1kHz)



(Note) The quasi-peak value is never higher than the peak value.

◆ Radiated noise

FR-D810W-0.4K-025(Carrier frequency : 1kHz)



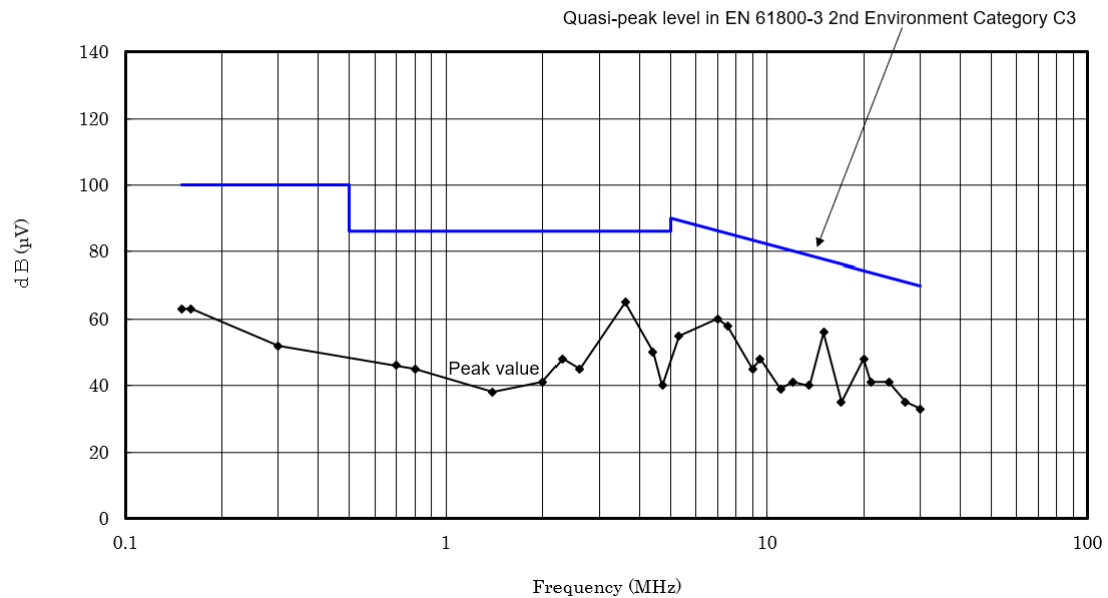
(Note) The quasi-peak value is never higher than the peak value.

**MODELS: FR-D810W**

**FR-D810W-0.75K-042 FN3288-25-33-C21-R65**

◆ **Conducted noise**

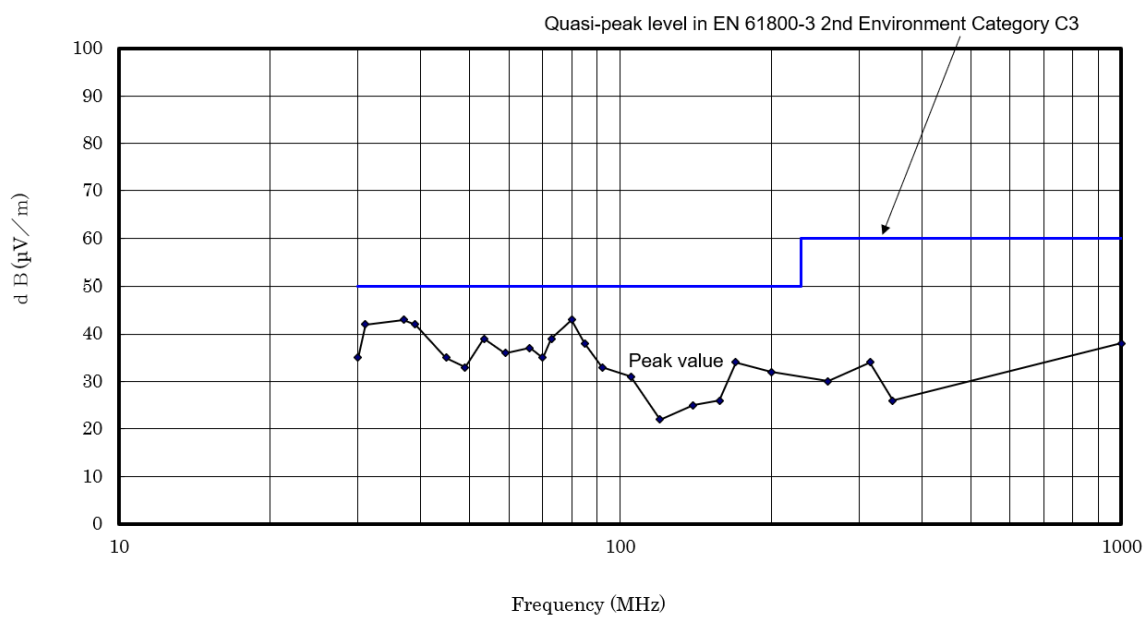
FR-D810W-0.75K-042 (Carrier frequency: 1kHz)



(Note) The quasi-peak value is never higher than the peak value.

◆ **Radiated noise**

FR-D810W-0.75K-042 (Carrier frequency : 1kHz)



(Note) The quasi-peak value is never higher than the peak value.