MODELS: FR-D820

TITLE: EMC DATA EXAMPLE (FR-D820)

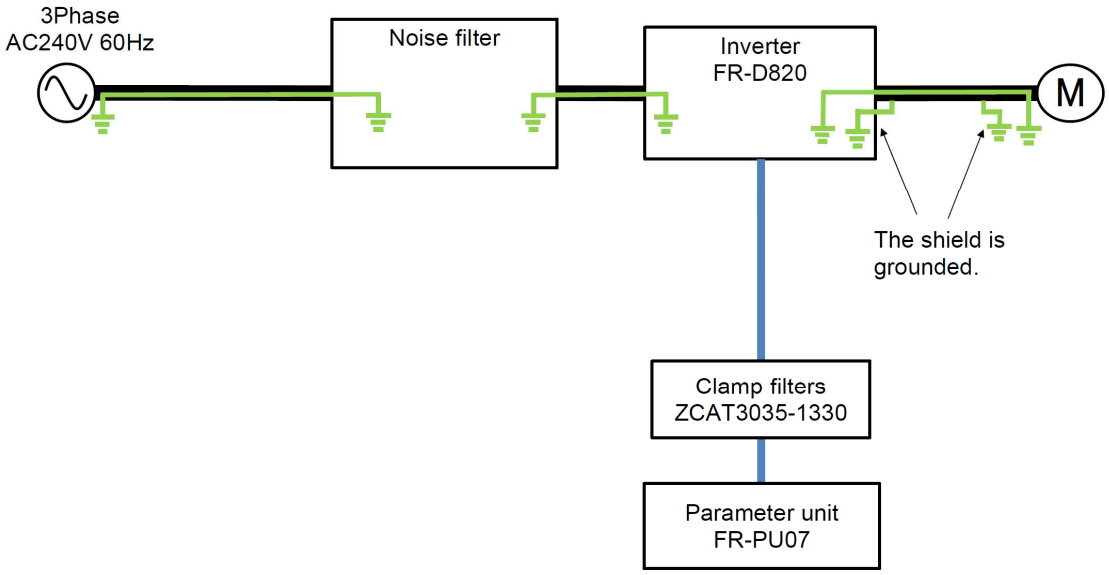
EMC data example when using Mitsubishi Electric general-purpose inverter FR-D820.

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

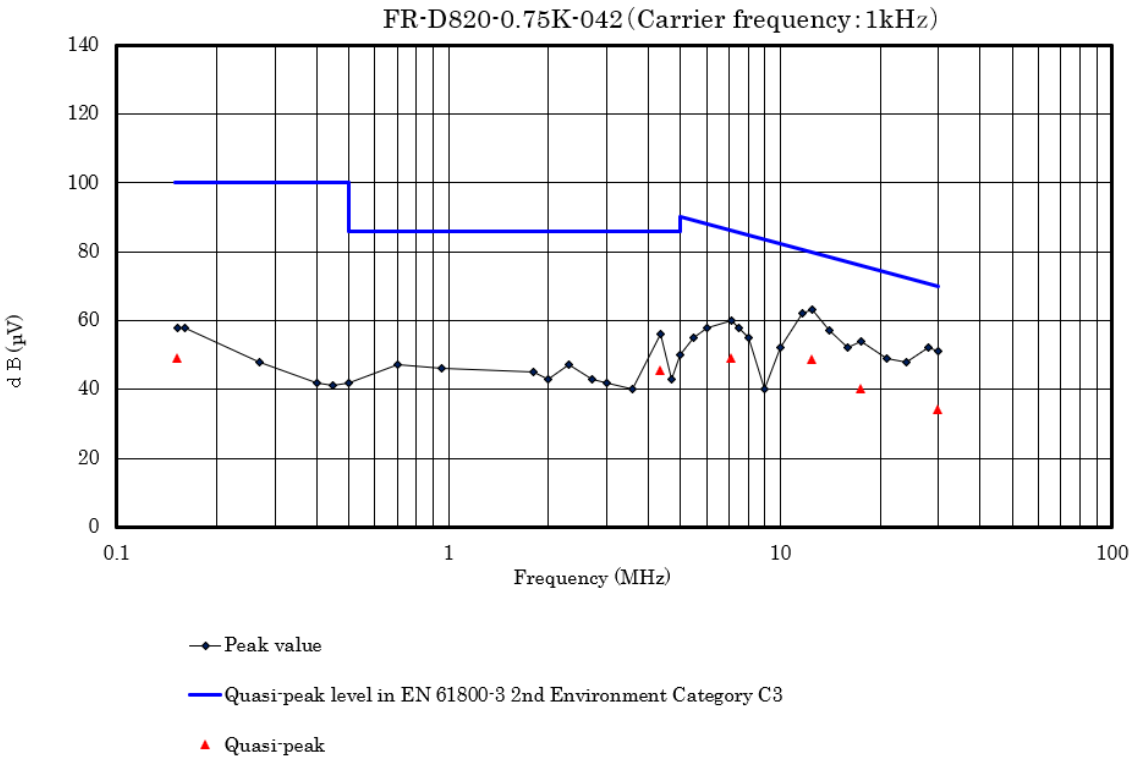


Wiring of the power supply and the motor	
Control/communication cable	
Earthing (grounding) cable	

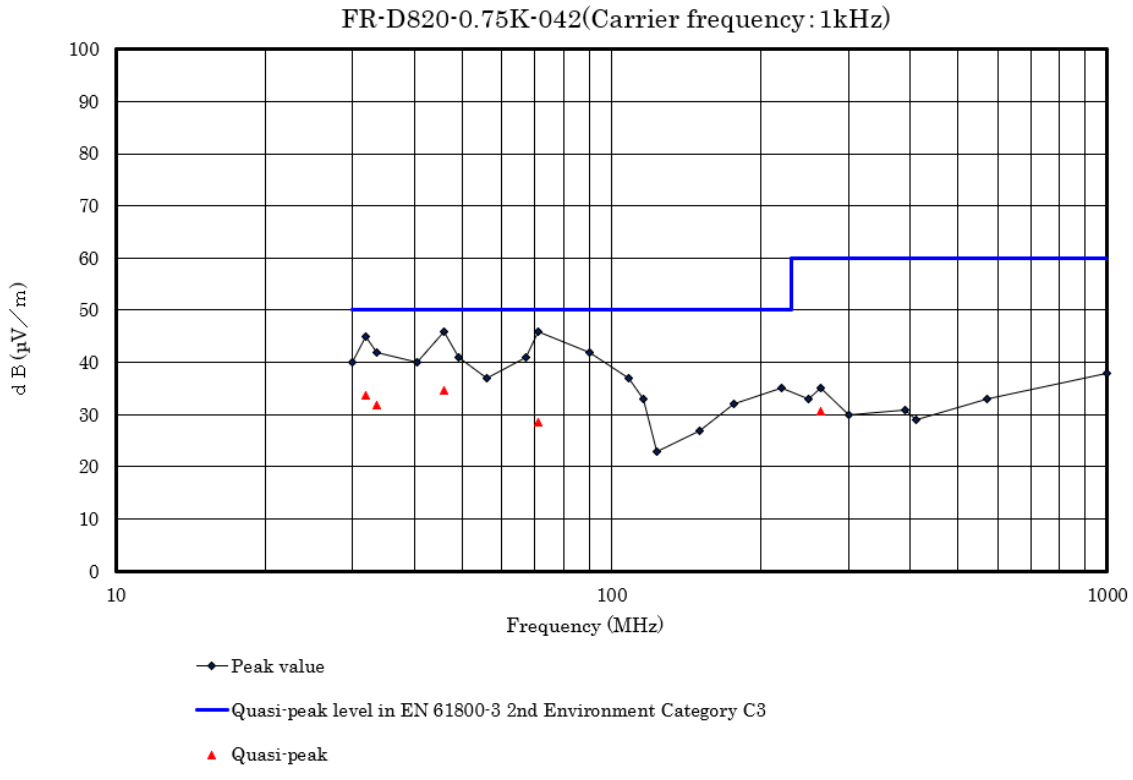
MODELS: FR-D820

FR-D820-0.75K-042 FN3288-10-44-C21-R65

◆ Conducted noise



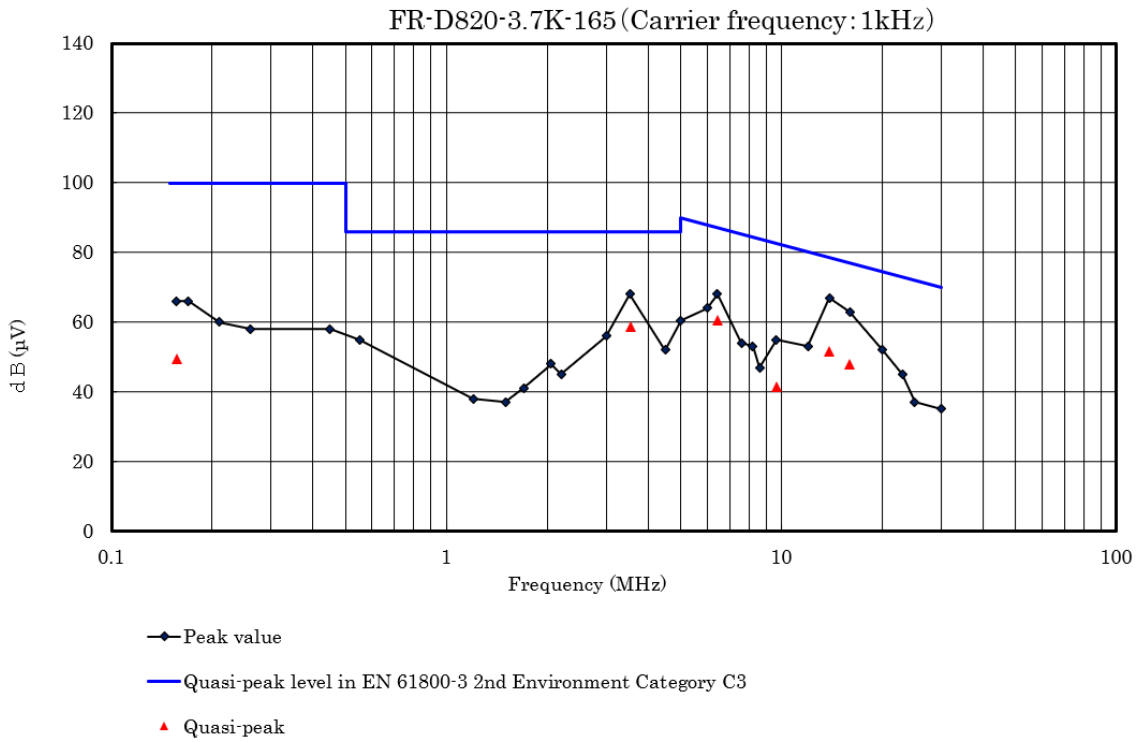
◆ Radiated noise



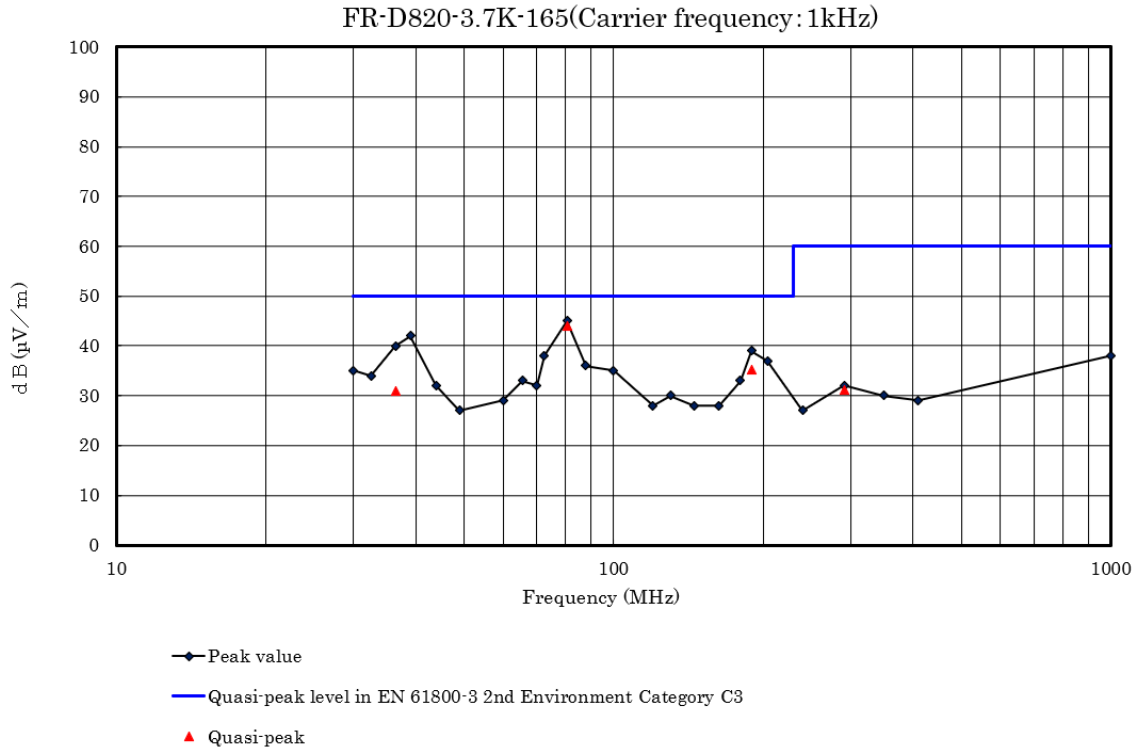
MODELS: FR-D820

FR-D820-3.7K-165 FN3288-40-33-C21-R65

◆ Conducted noise



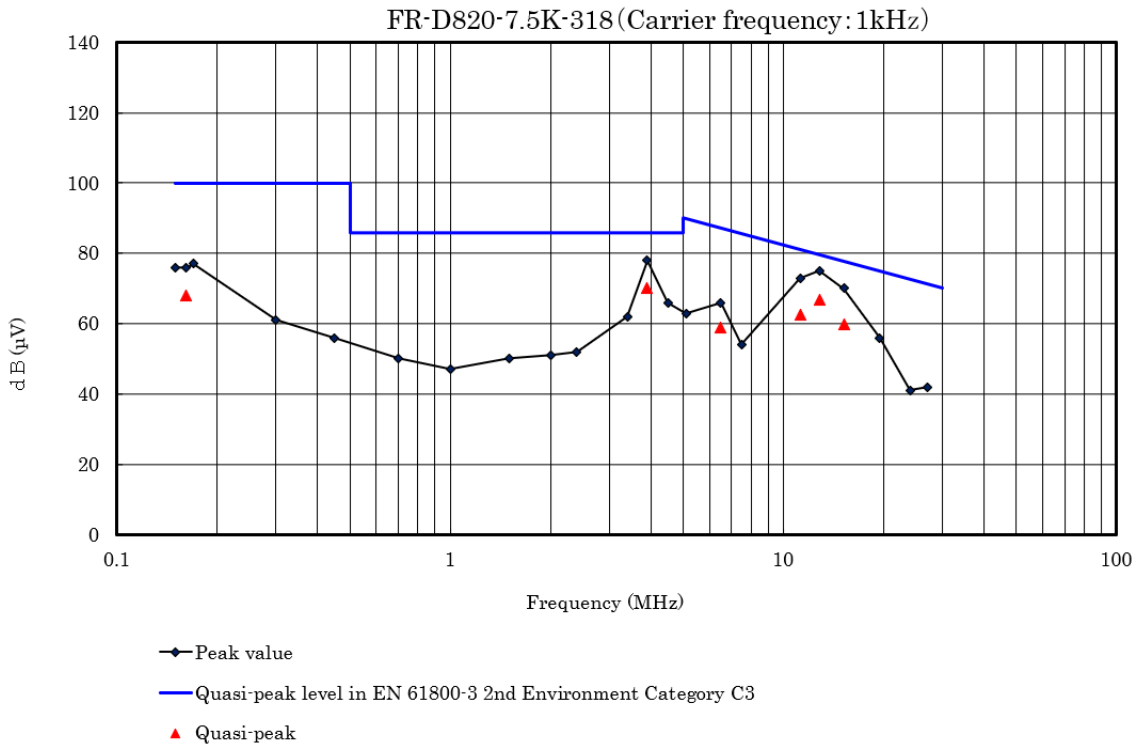
◆ Radiated noise



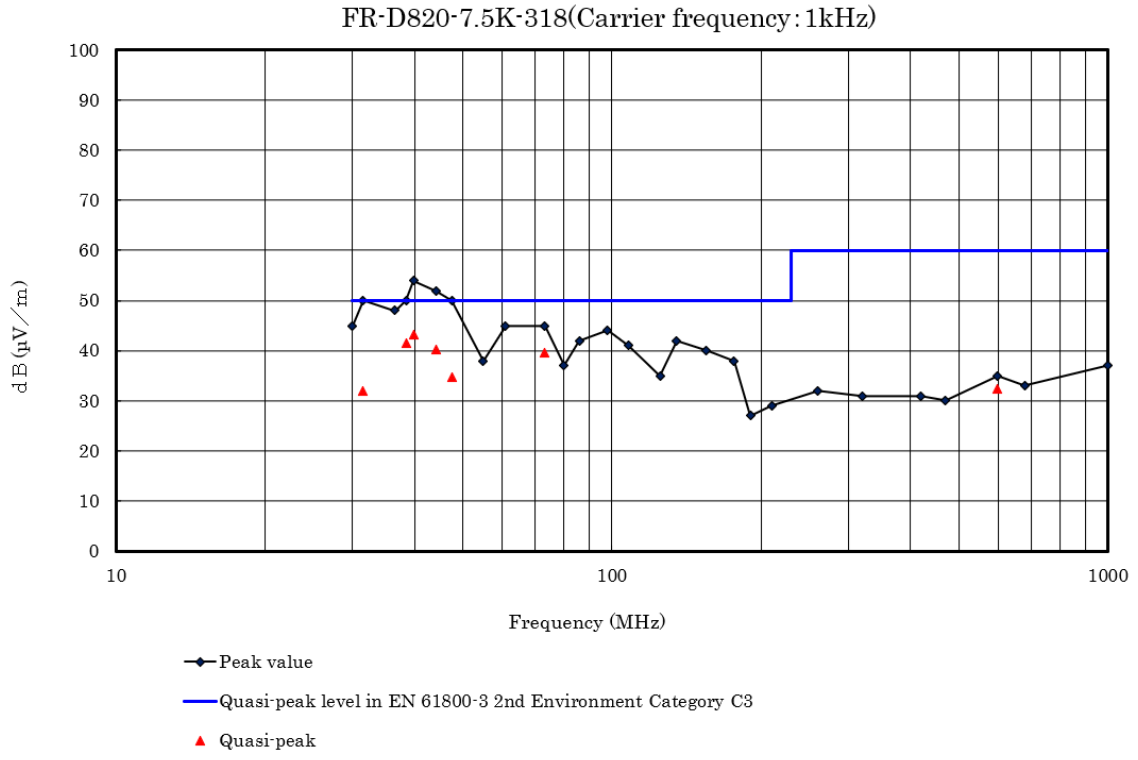
MODELS: FR-D820

FR-D820-7.5K-318 FN3288-63-53-C21-R65

◆ Conducted noise



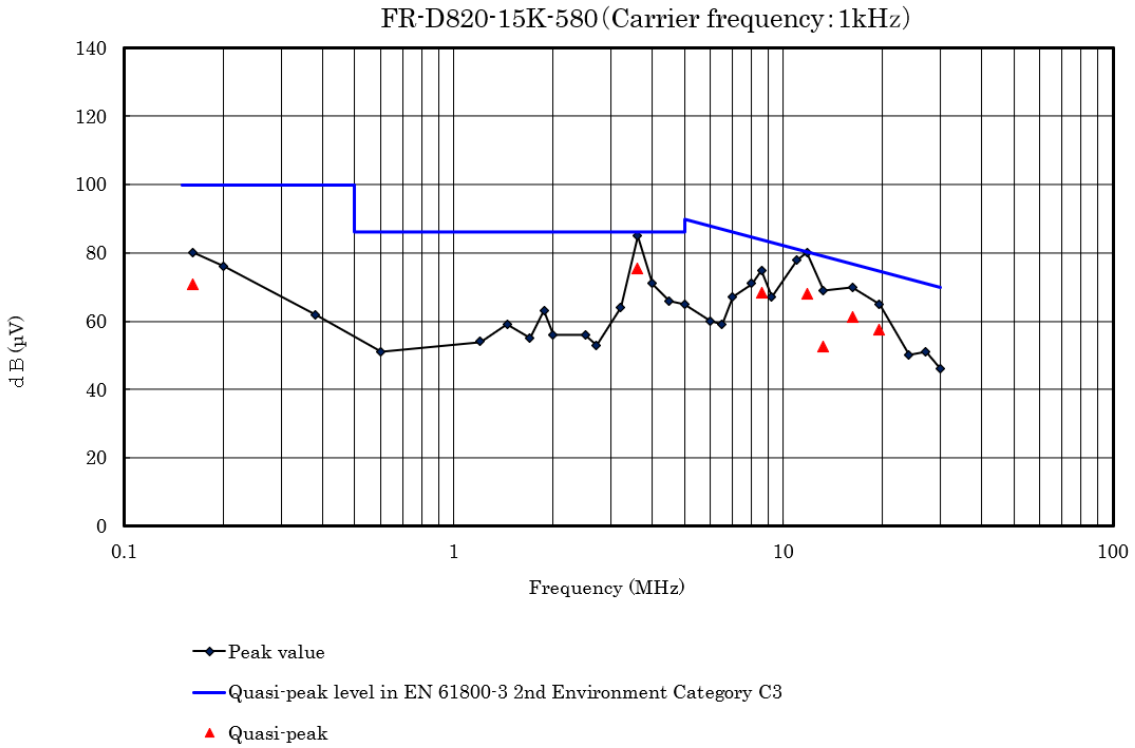
◆ Radiated noise



MODELS: FR-D820

FR-D820-15K-580 FN3288-100-35-C21-R65

◆ Conducted noise



◆ Radiated noise