

MODELS: FR-A870

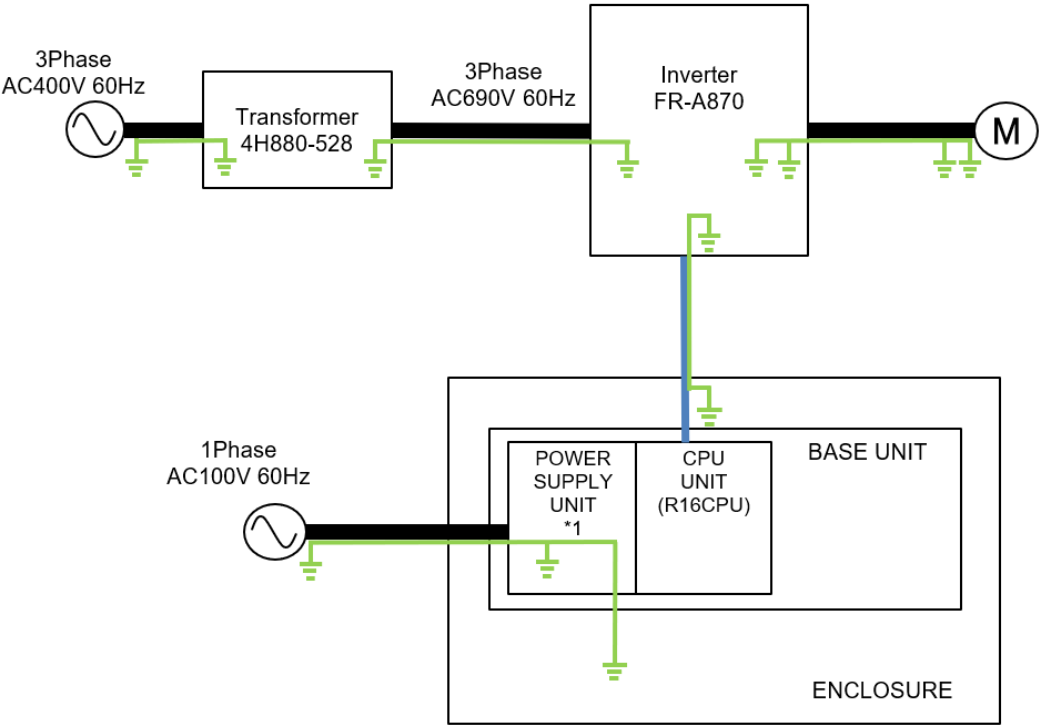
TITLE: EMC DATA EXAMPLE (FR-A870)

EMC data example when using Mitsubishi Electric general-purpose inverter FR-A870.

Conditions

The inverter complies with the product standards of EN 61800-3.
The measurement conditions were based on the 2nd Environment Category C3 specified in EN 61800-3.

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



*1 55K,200K...R62P 75K~132K...R64P

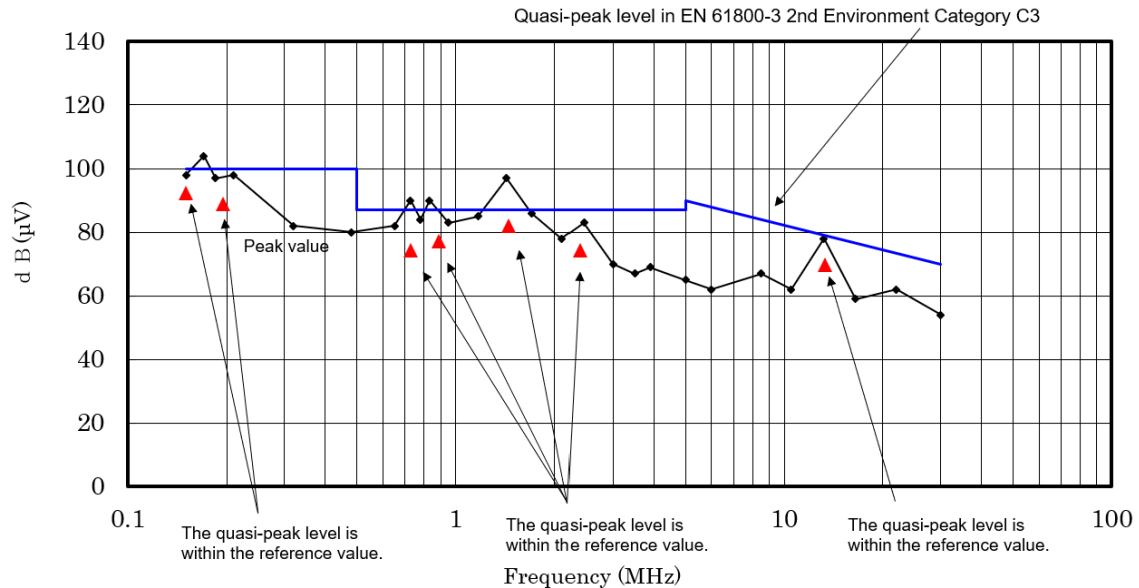
Wiring of the power supply and the motor	
Control/communication cable	
Earthing (grounding) cable	

MODELS: FR-A870

FR-A870-55K-E1-60B

◆ Conducted noise

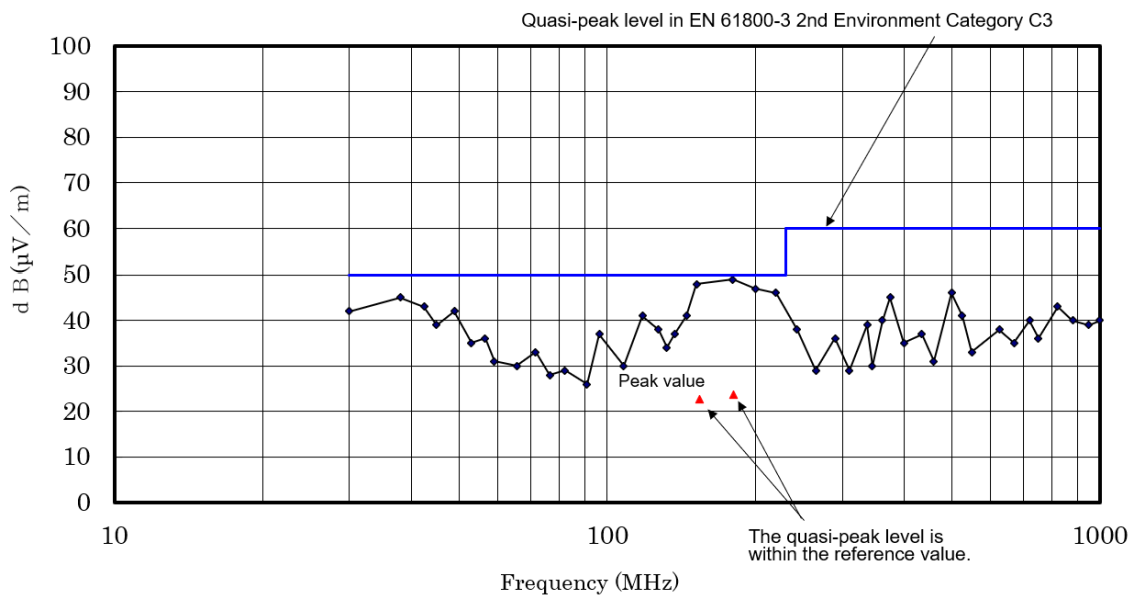
FR-A870-55K-E1-60B (Carrier frequency : 0.7kHz)



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

◆ Radiated noise

FR-A870-55K-E1-60B (Carrier frequency : 0.7kHz)



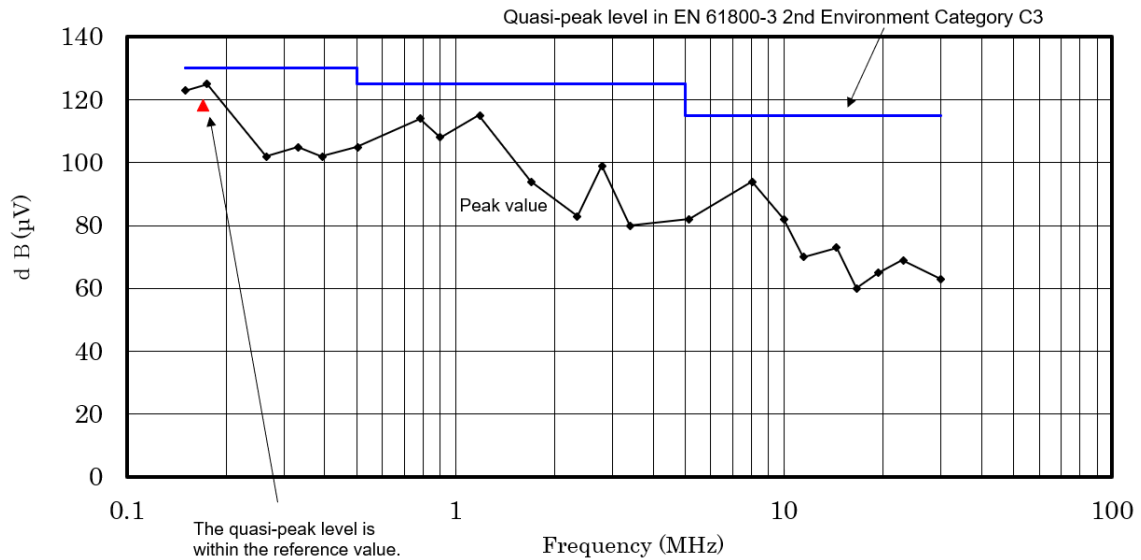
(Note) The quasi-peak value is never higher than the peak value.

MODELS: FR-A870

FR-A870-75K

◆ Conducted noise

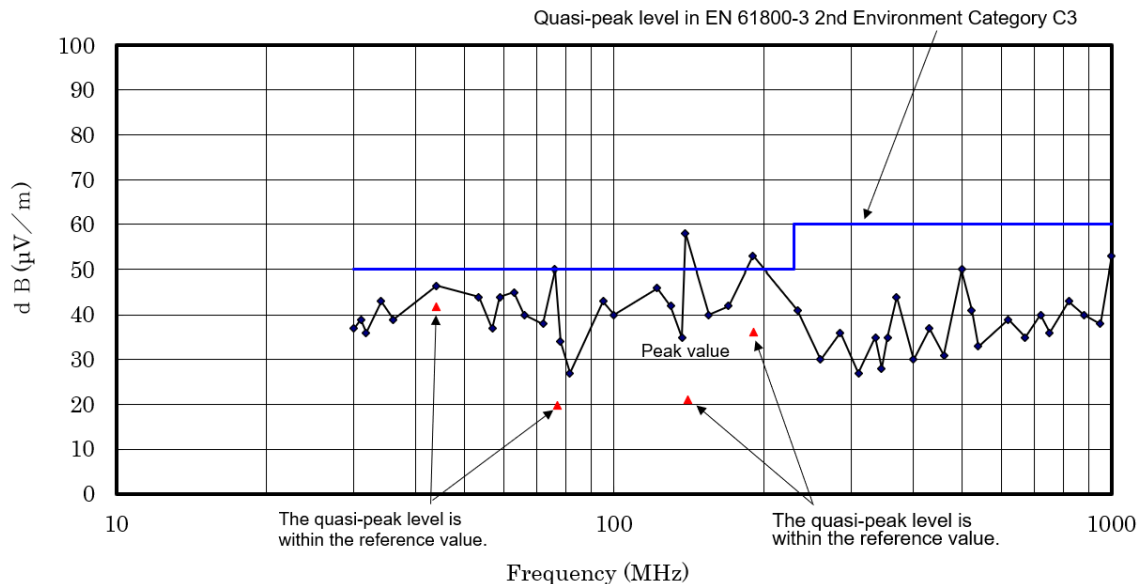
FR-A870-75K (Carrier frequency : 2kHz)



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

◆ Radiated noise (10m site)

FR-A870-75K (Carrier frequency : 2kHz)



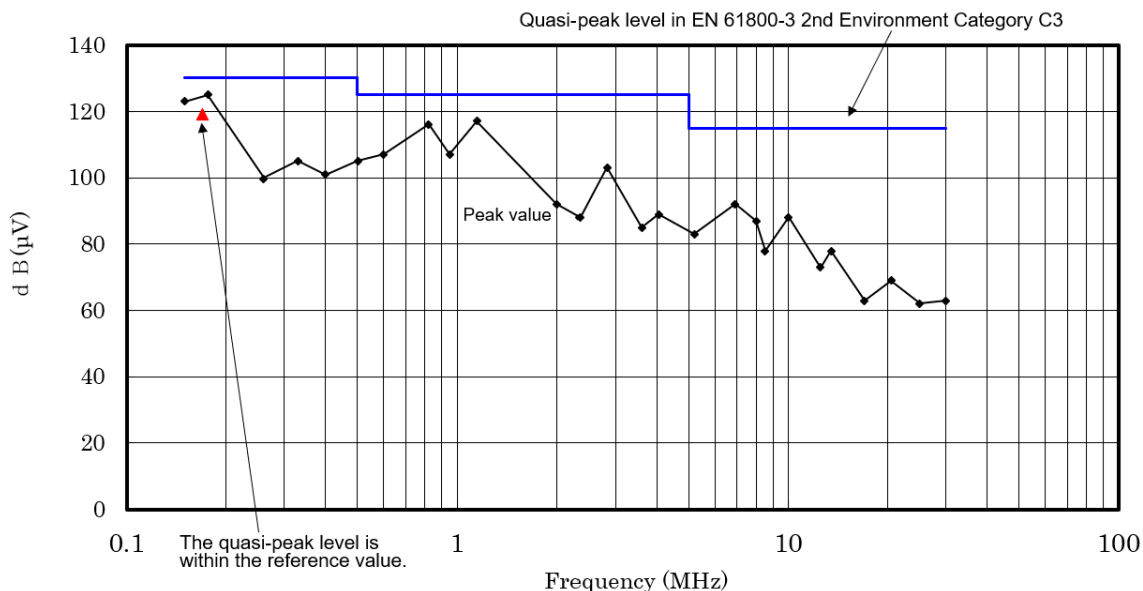
(Note) The quasi-peak value is never higher than the peak value.

MODELS: FR-A870

FR-A870-90K

◆ Conducted noise

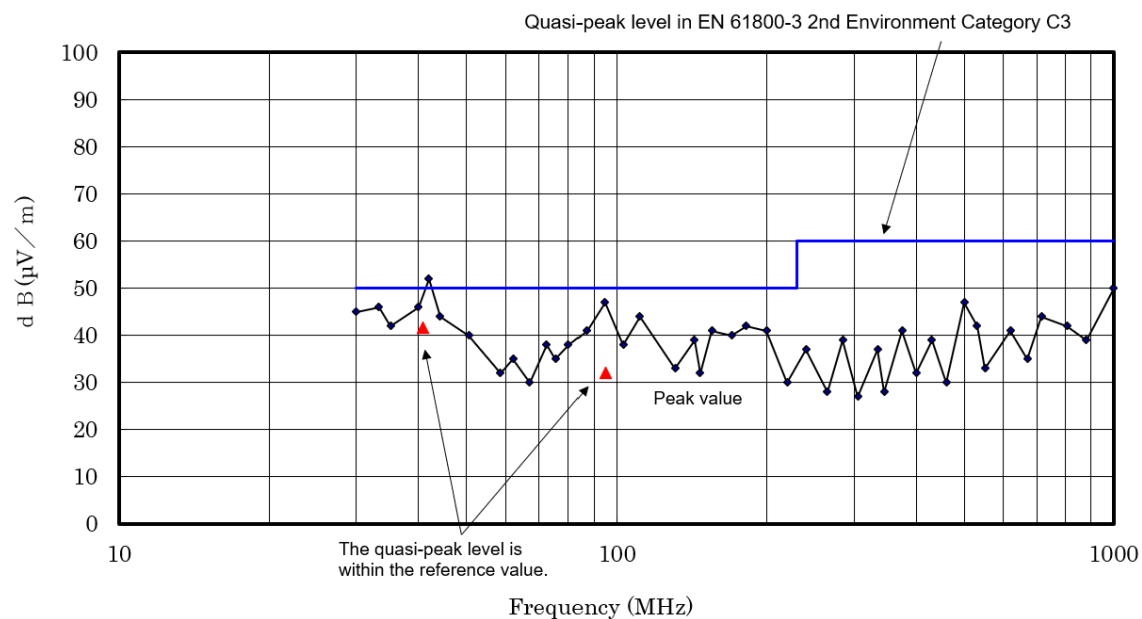
FR-A870-90K (Carrier frequency : 2kHz)



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

◆ Radiated noise (10m site)

FR-A870-90K (Carrier frequency : 2kHz)



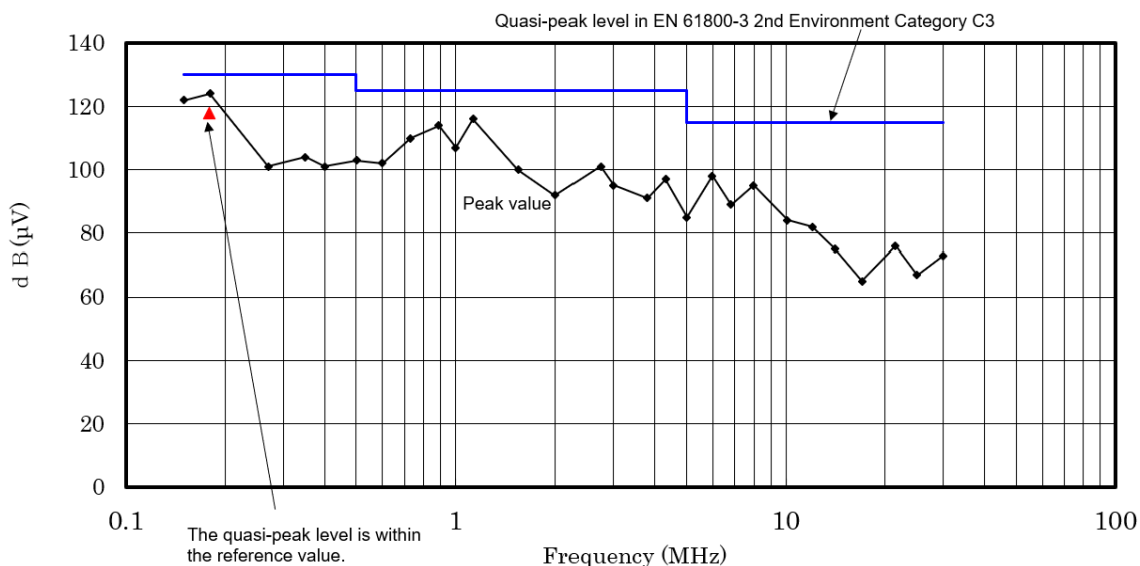
(Note) The quasi-peak value is never higher than the peak value.

MODELS: FR-A870

FR-A870-132K

◆ Conducted noise

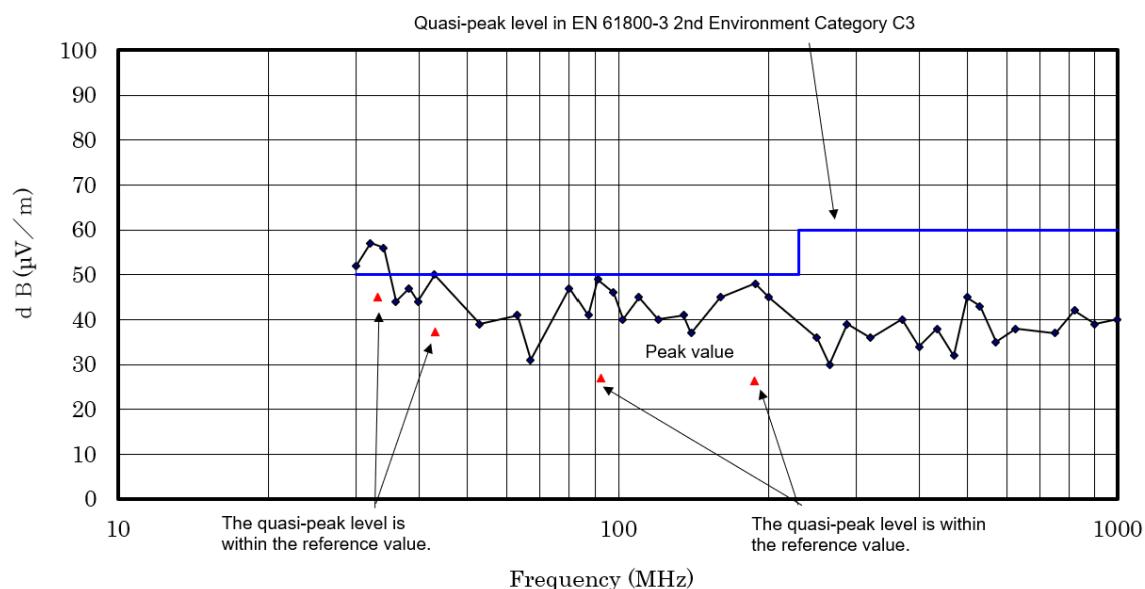
FR-A870-132K (Carrier frequency : 2kHz)



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

◆ Radiated noise (10m site)

FR-A870-132K (Carrier frequency : 2kHz)



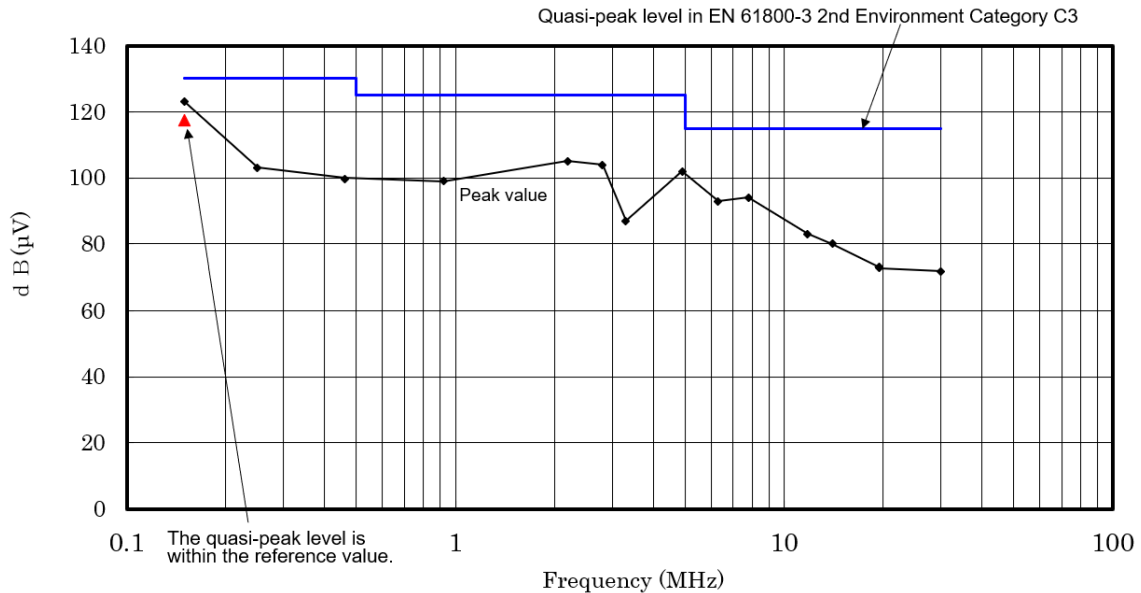
(Note) The quasi-peak value is never higher than the peak value.

MODELS: FR-A870

FR-A870-200K

◆ Conducted noise

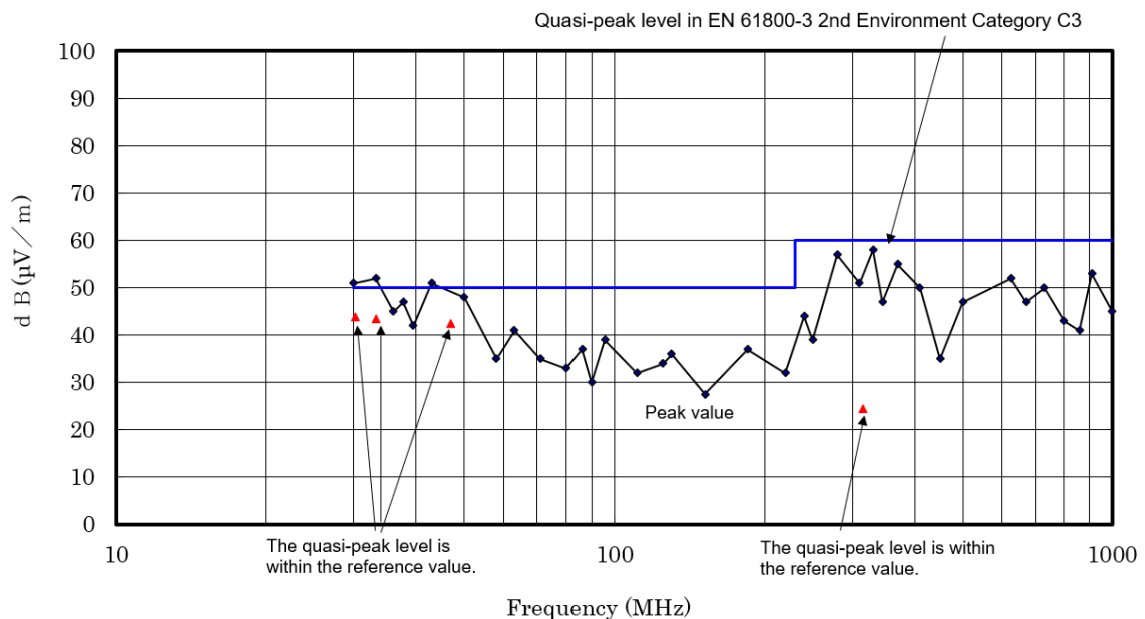
FR-A870-200K (Carrier frequency : 2kHz)



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

◆ Radiated noise (10m site)

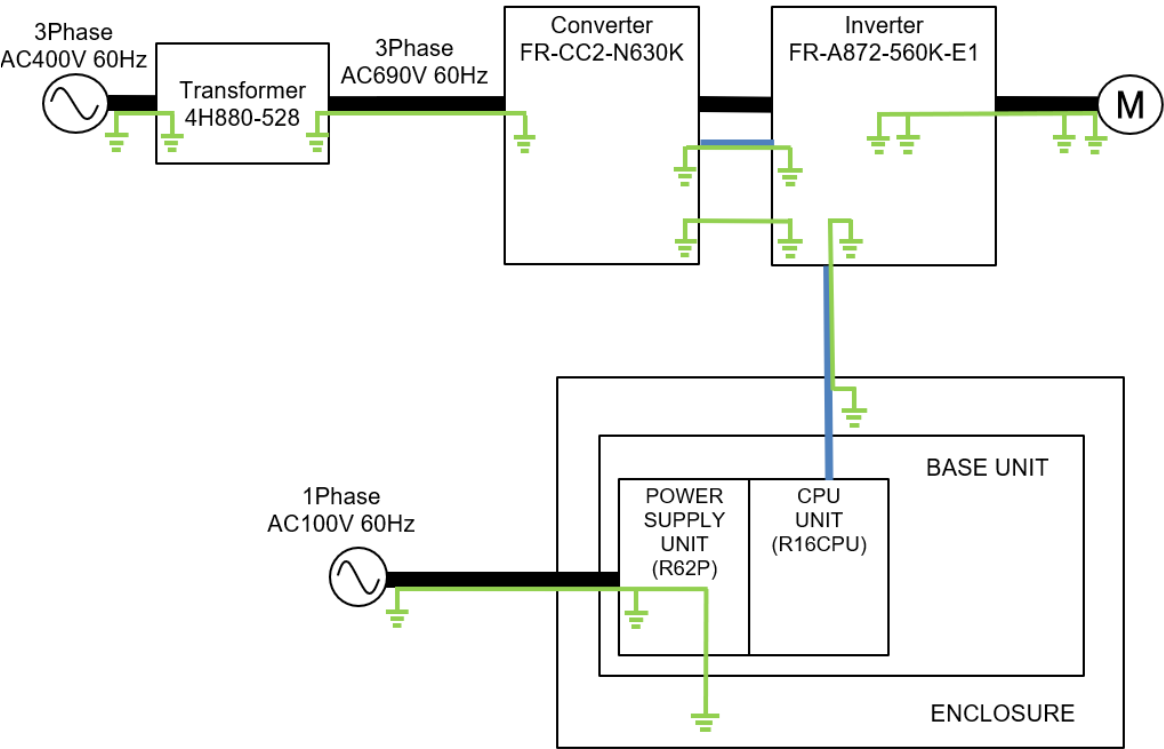
FR-A870-200K (Carrier frequency : 2kHz)



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

MODELS: FR-A870

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	

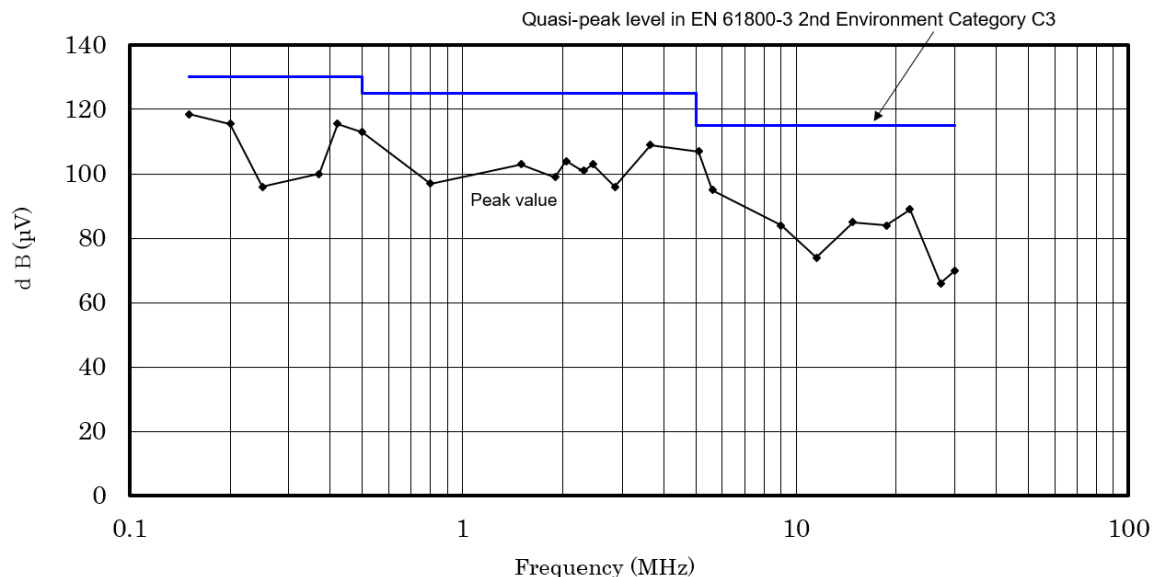
MODELS: FR-A870

FR-A872-560K-E1

FR-CC2-N630N

◆ Conducted noise

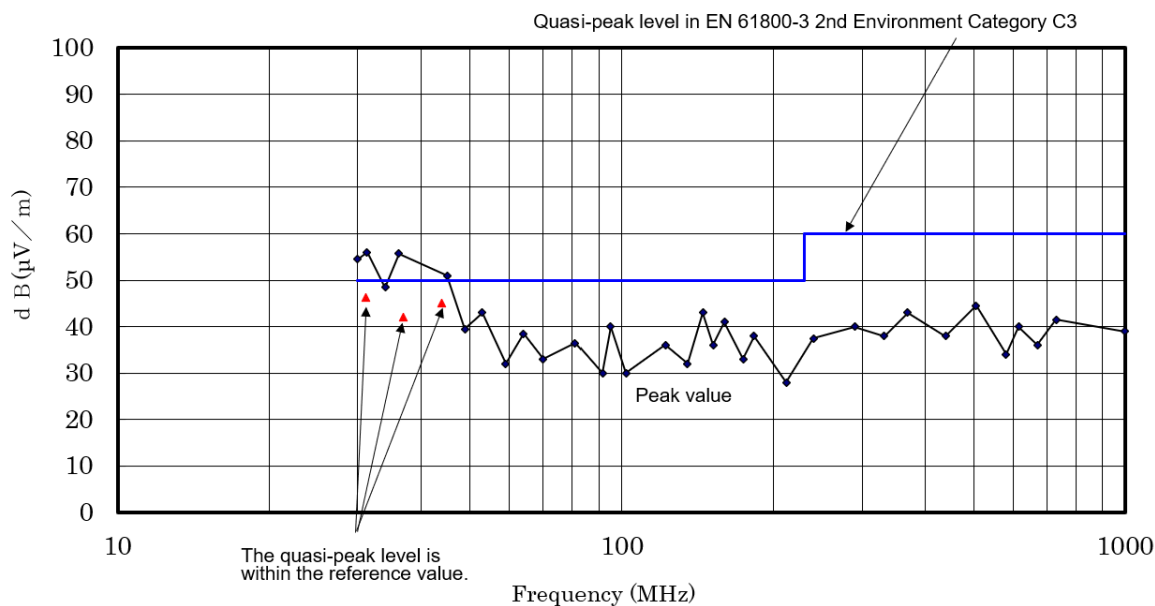
FR-A872-560K-E1 (Carrier frequency : 2kHz)



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

◆ Radiated noise

FR-A872-560K-E1(Carrier frequency : 0.7kHz)



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