

**MODELS: FR-A800**

**TITLE: EMC DATA EXAMPLE (FR-A840)**

The EMC data examples when the inverter is used with the EMC filter on are shown below.

FR-A840<sup>\*1</sup>

Conditions

The inverter conforms to EN61800-3 product standard.

The measurement was conducted based on the measurement conditions of 2nd Environment Category C3 described in EN61800-3.

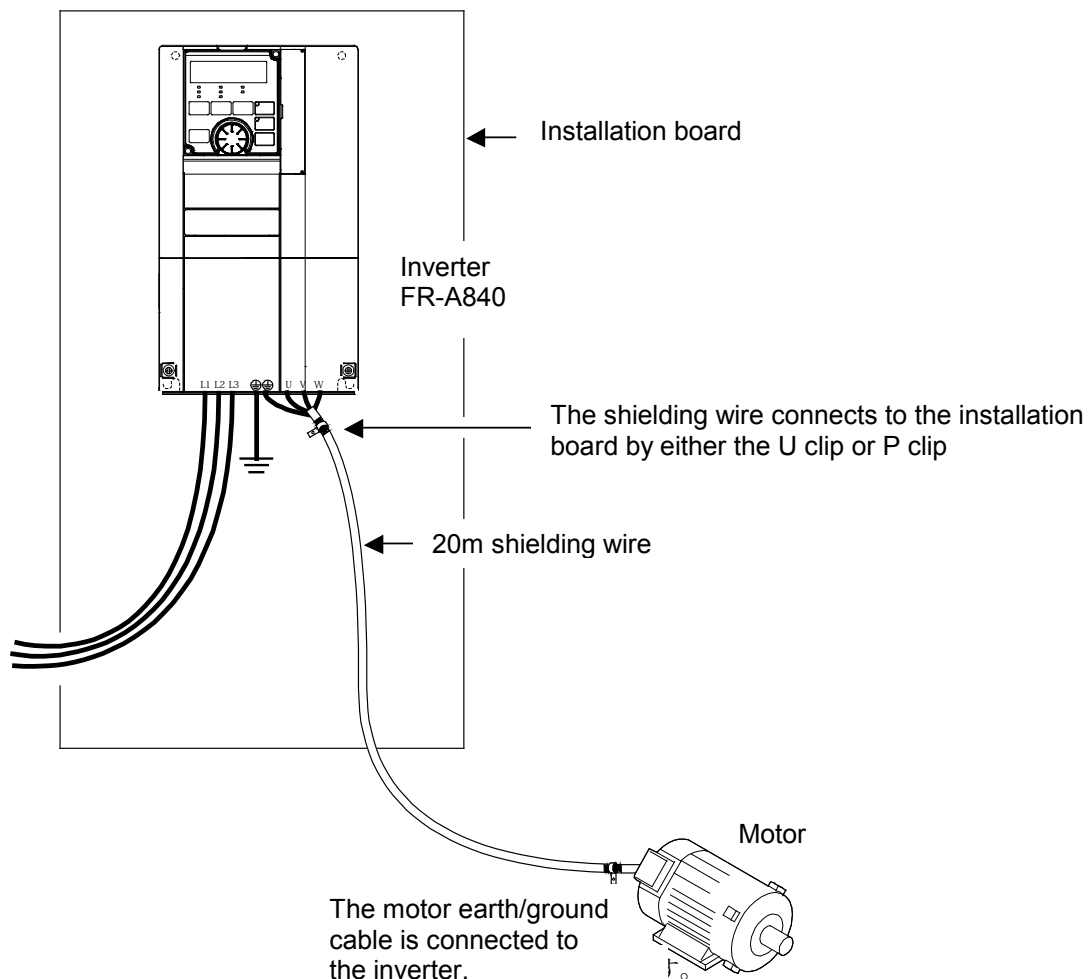
Output interconnection (motor) length :20m

Output cable type :Shielded cable

Inverter frequency :30Hz

Carrier frequency :Indicated above each graph

Control Panel :Without Door



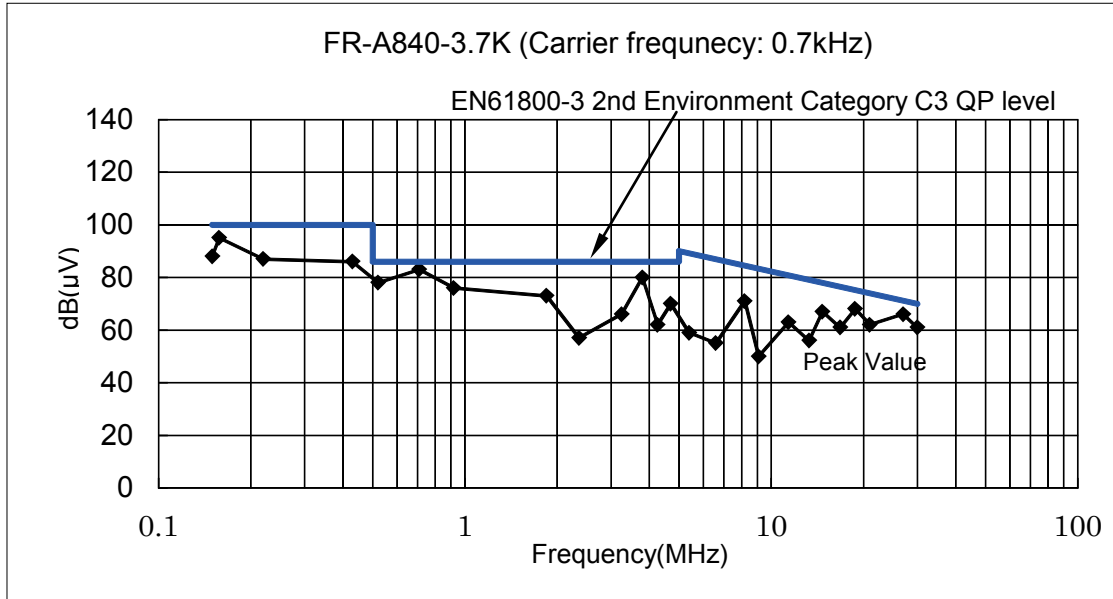
<sup>\*1</sup>: The 315K or higher models are the converter separated type (FR-A842+FR-CC2).

**MODELS: FR-A800**

EXAMPLE OF MEASUREMENT RESULTS

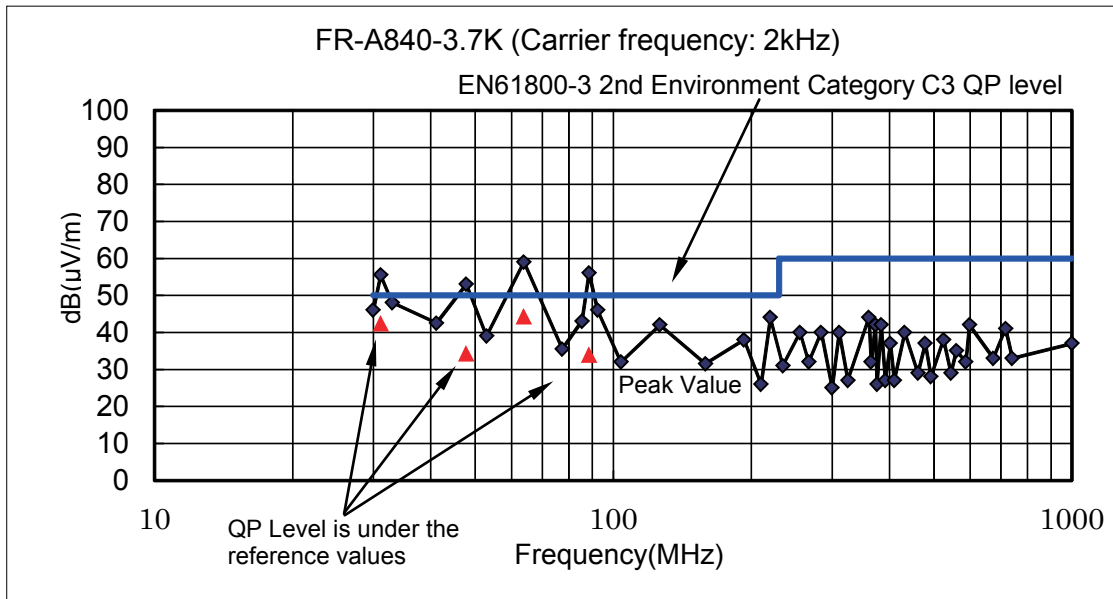
FR-A840-3.7K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

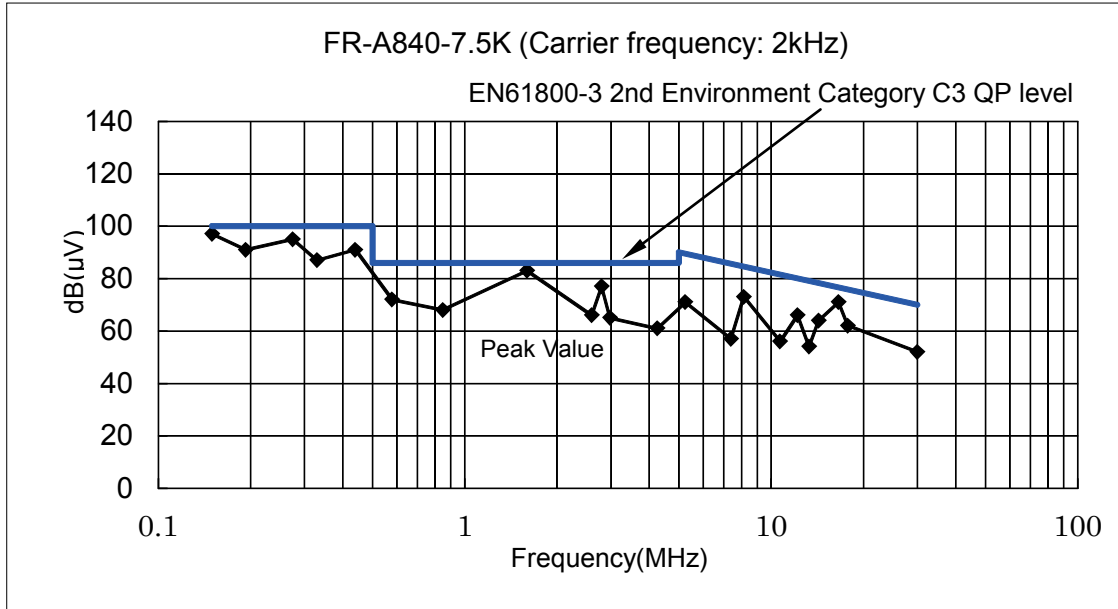


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

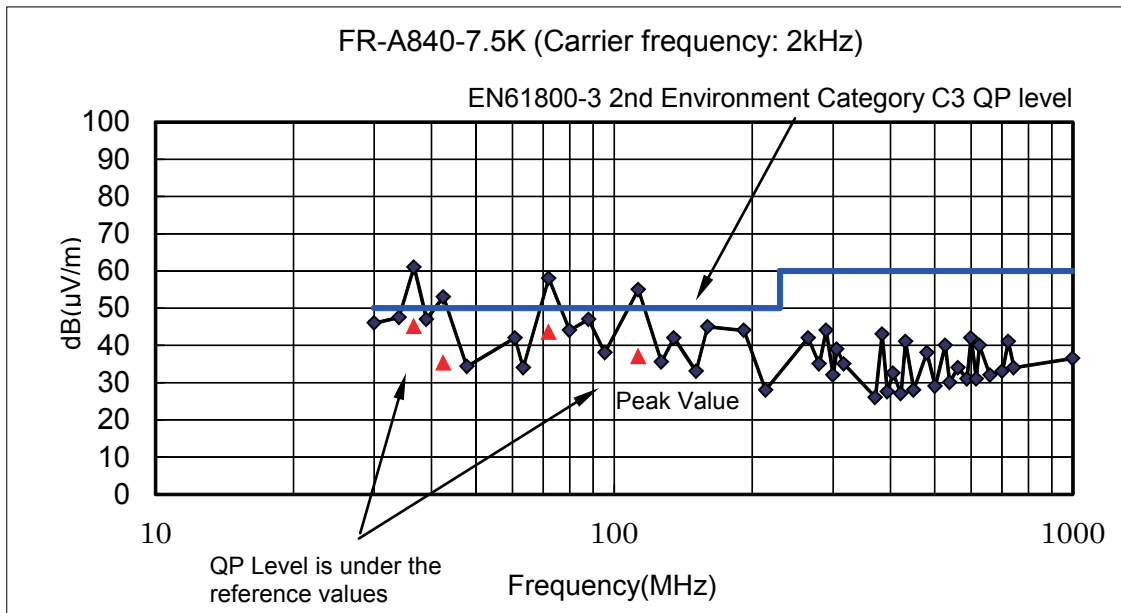
FR-A840-7.5K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

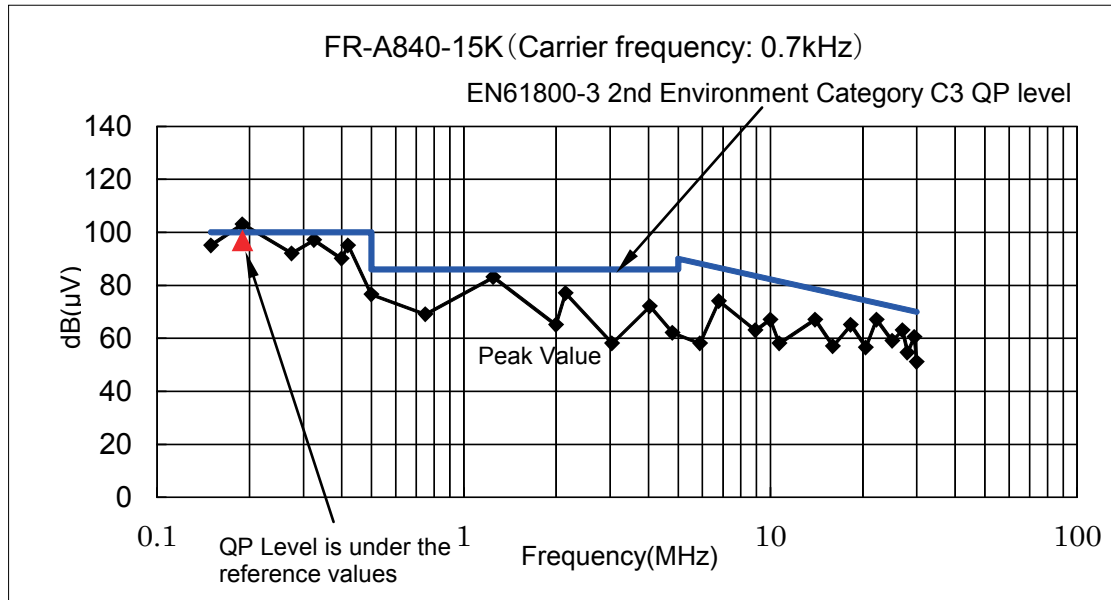


(Note) The QP value will not exceed the peak value

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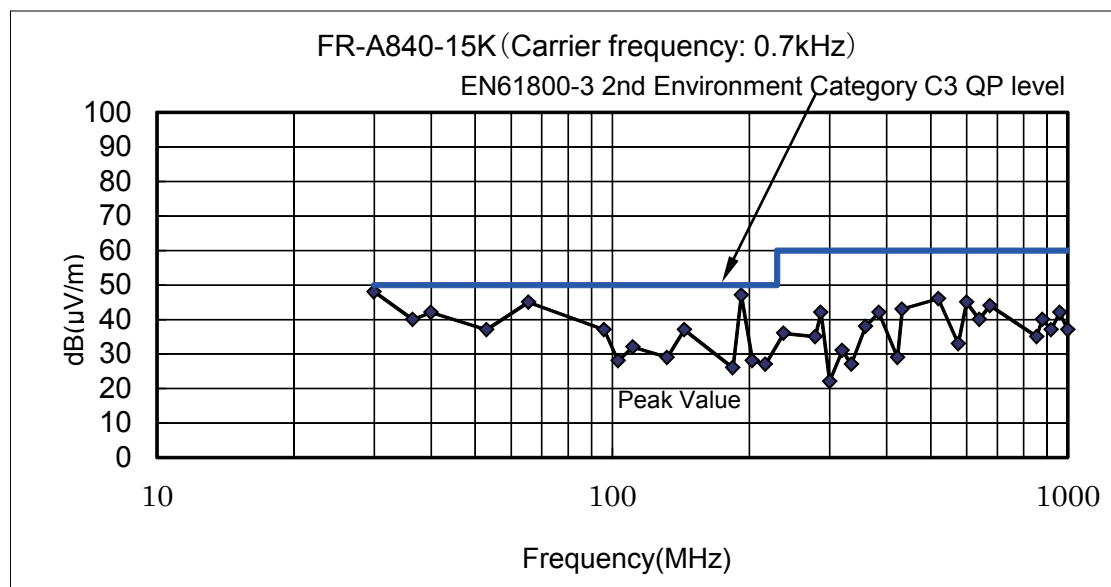
FR-A840-15K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

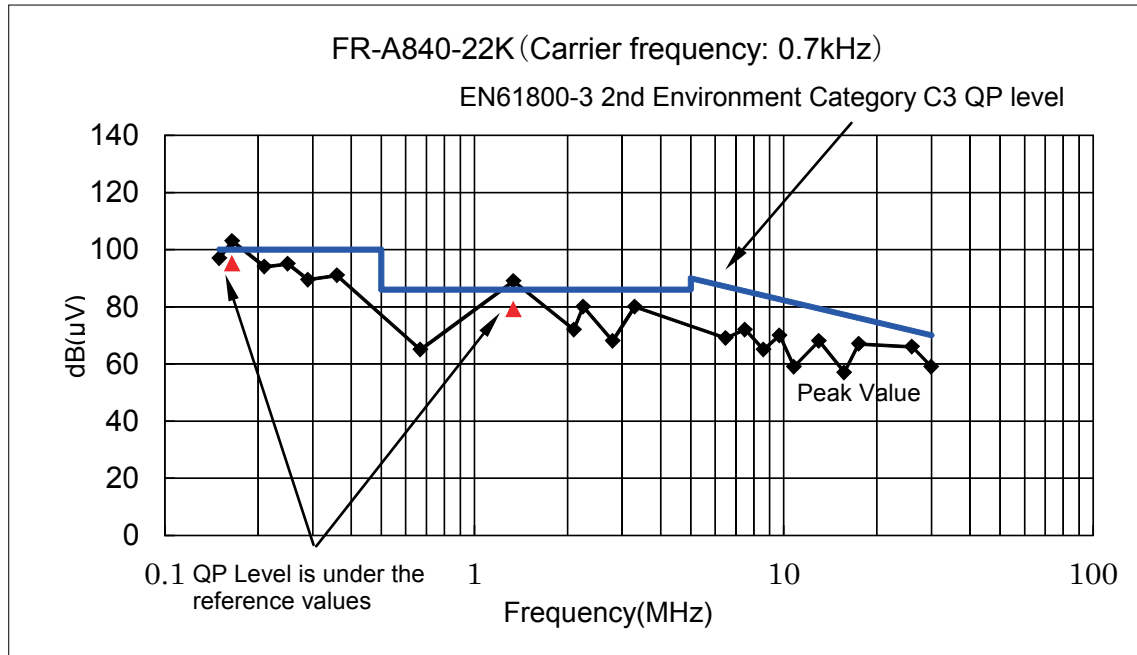


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

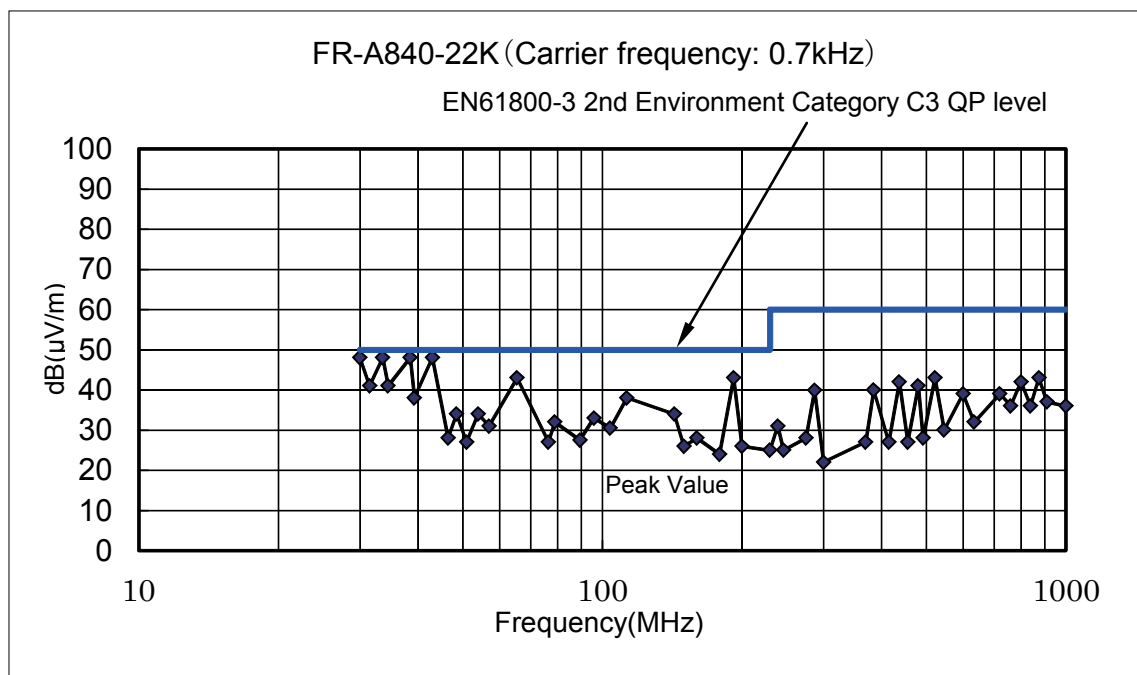
FR-A840-22K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

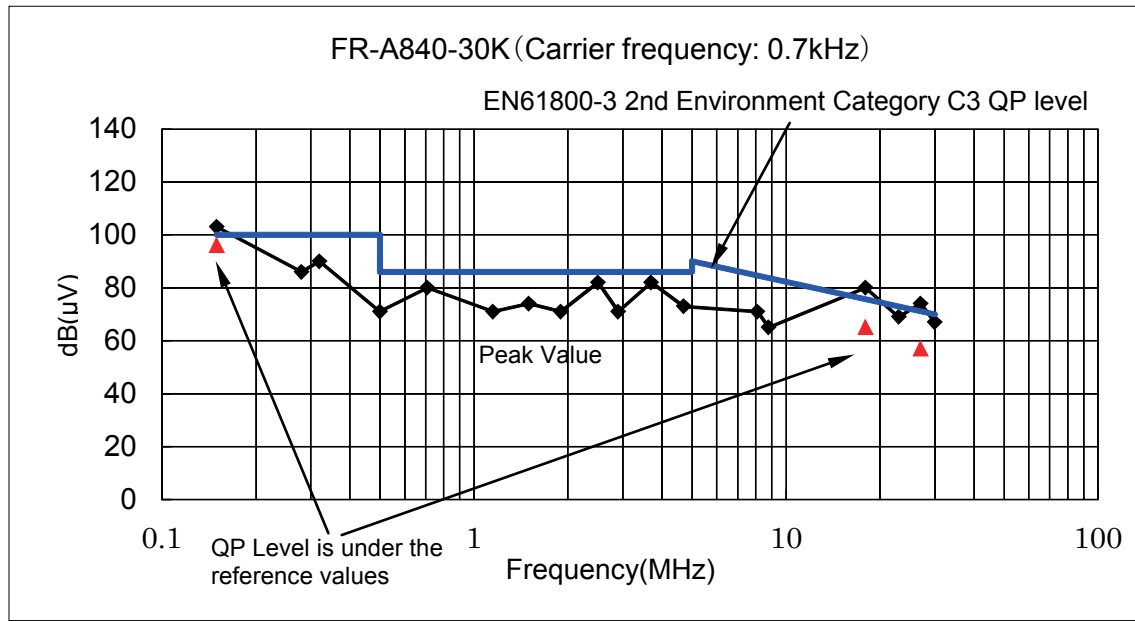


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

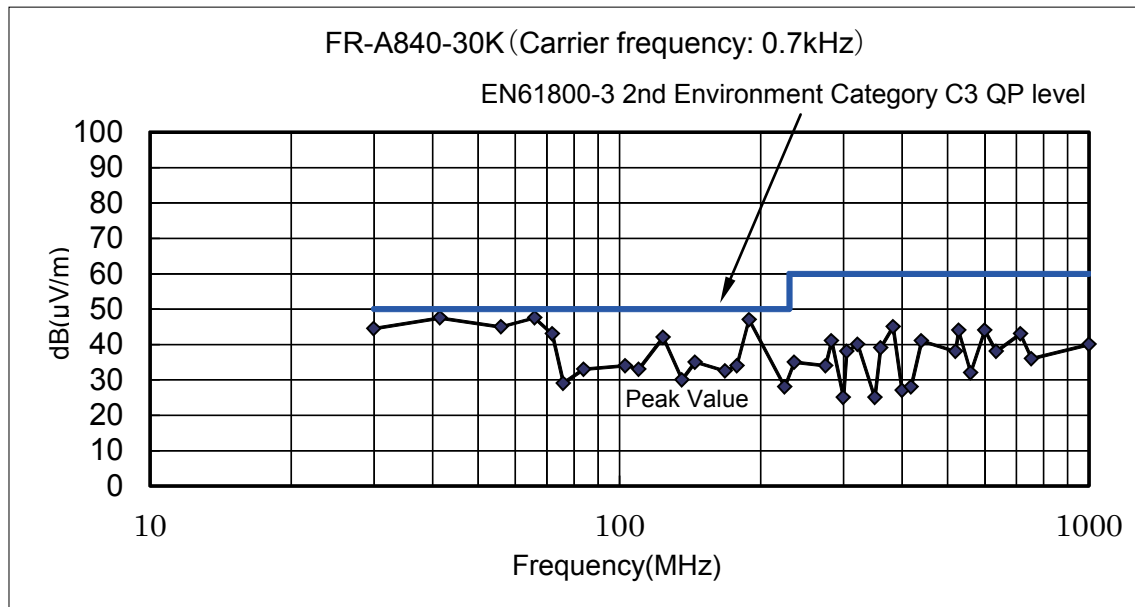
FR-A840-30K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

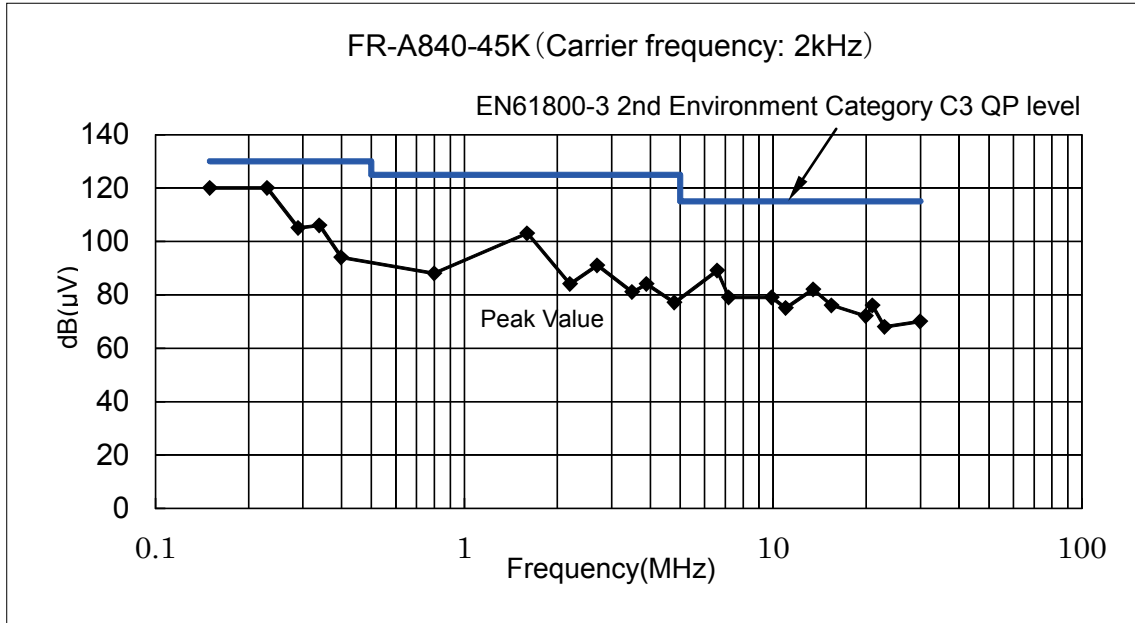


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

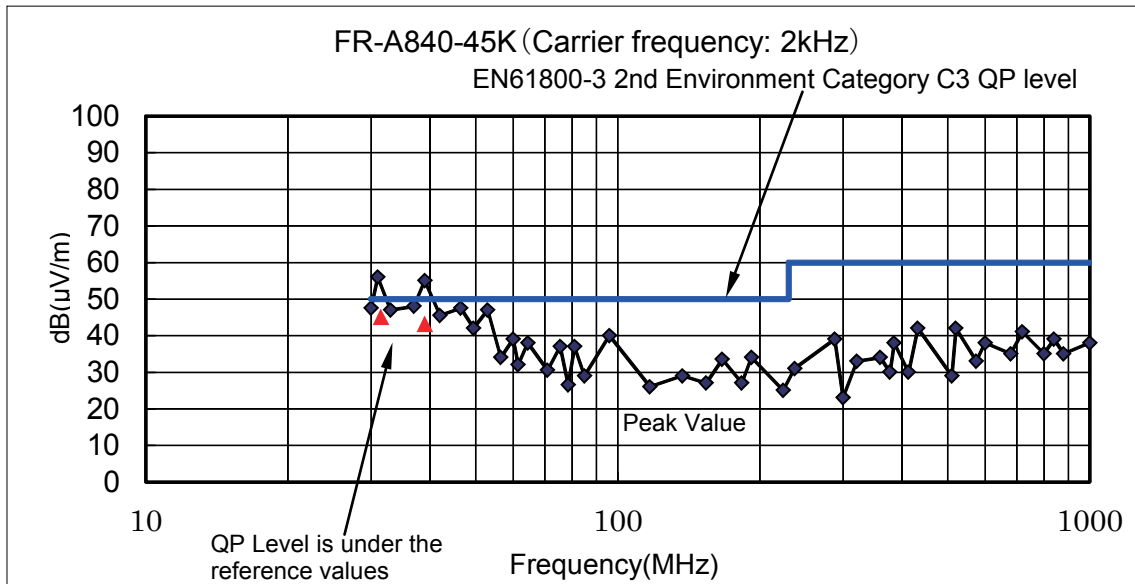
FR-A840-45K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

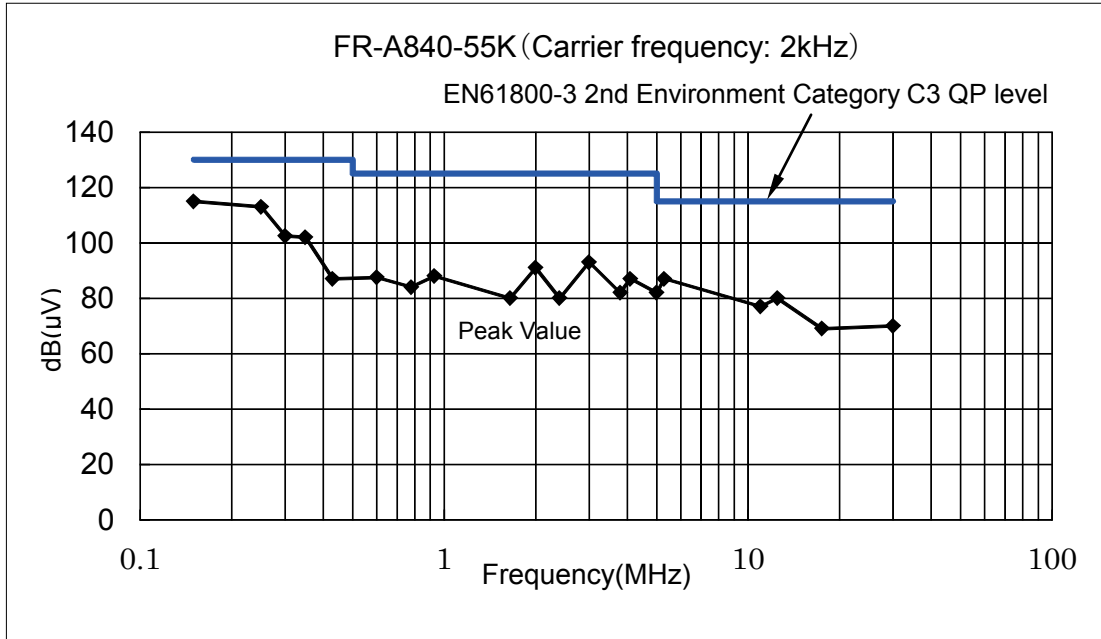


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

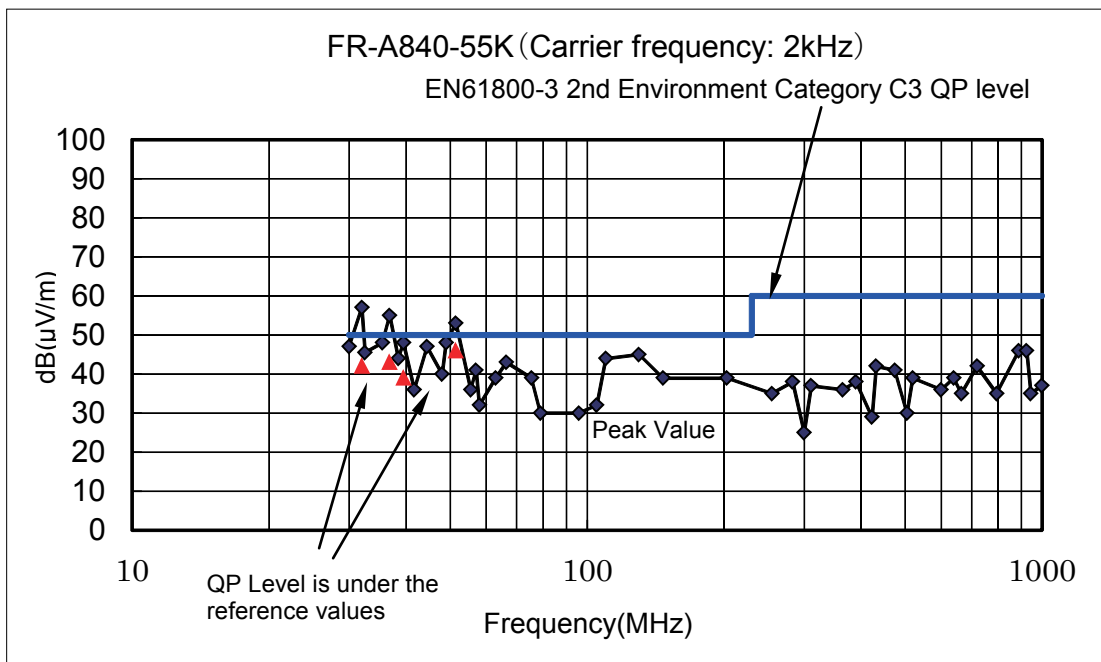
FR-A840-55K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)



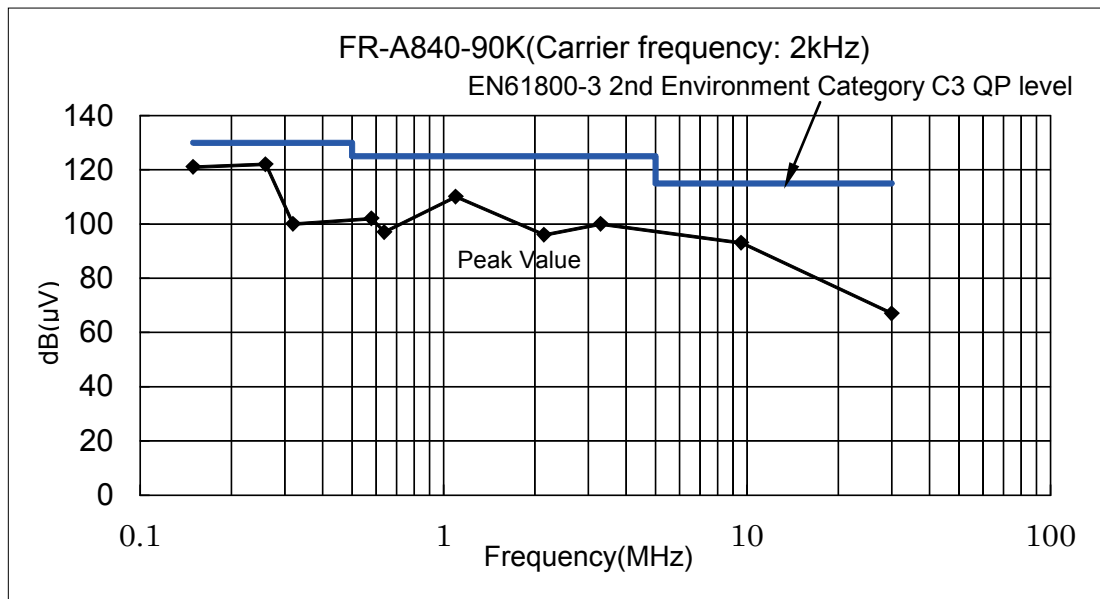
(Note) The QP value will not exceed the peak value



**MODELS: FR-A800**

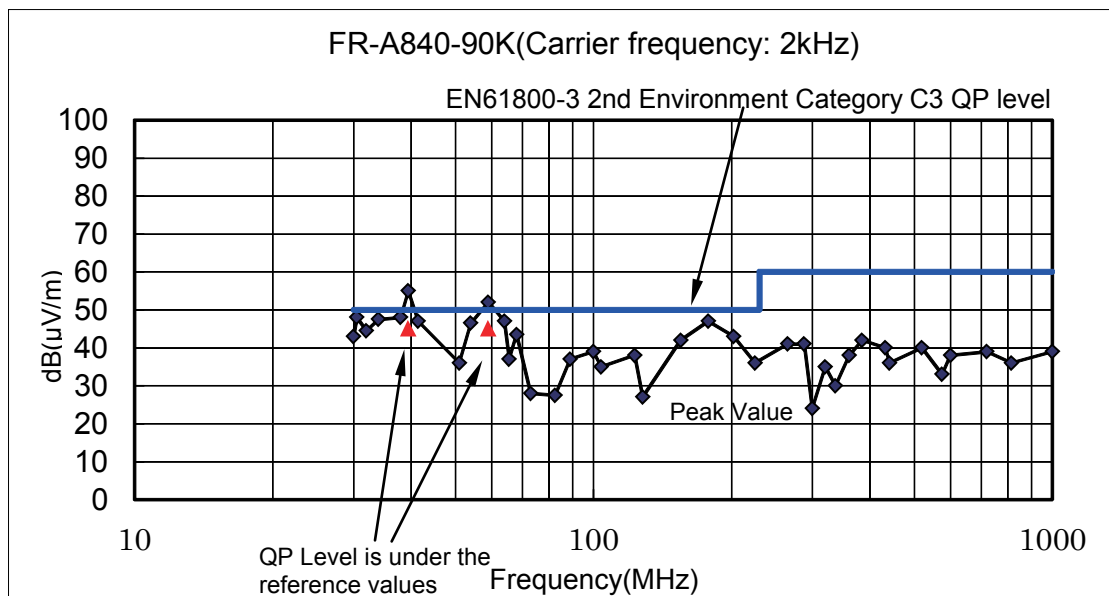
FR-A840-90K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

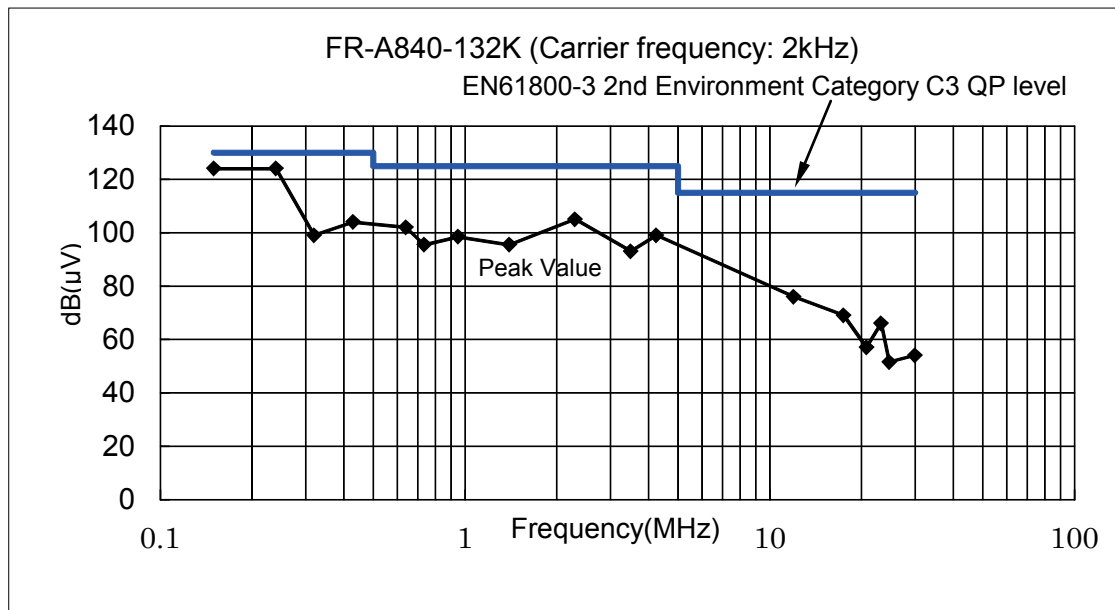


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

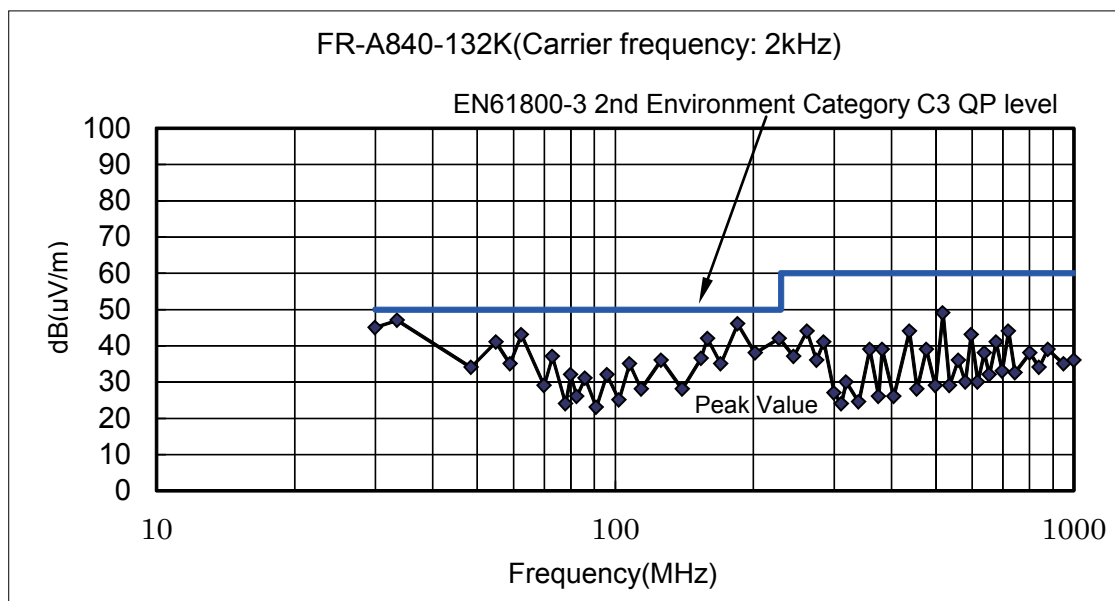
FR-A840-132K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

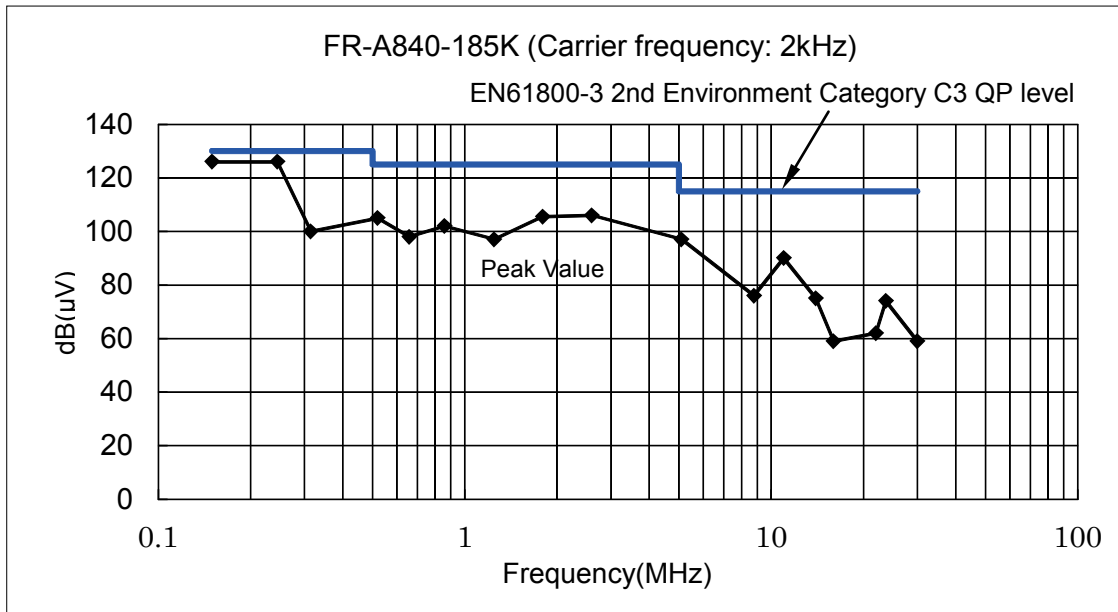


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

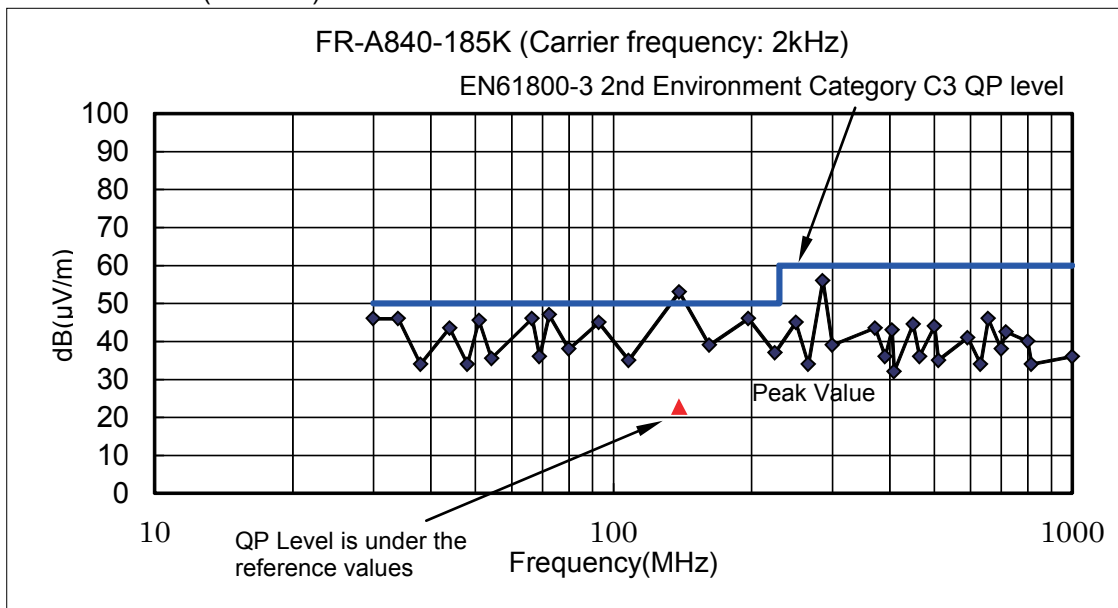
FR-A840-185K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

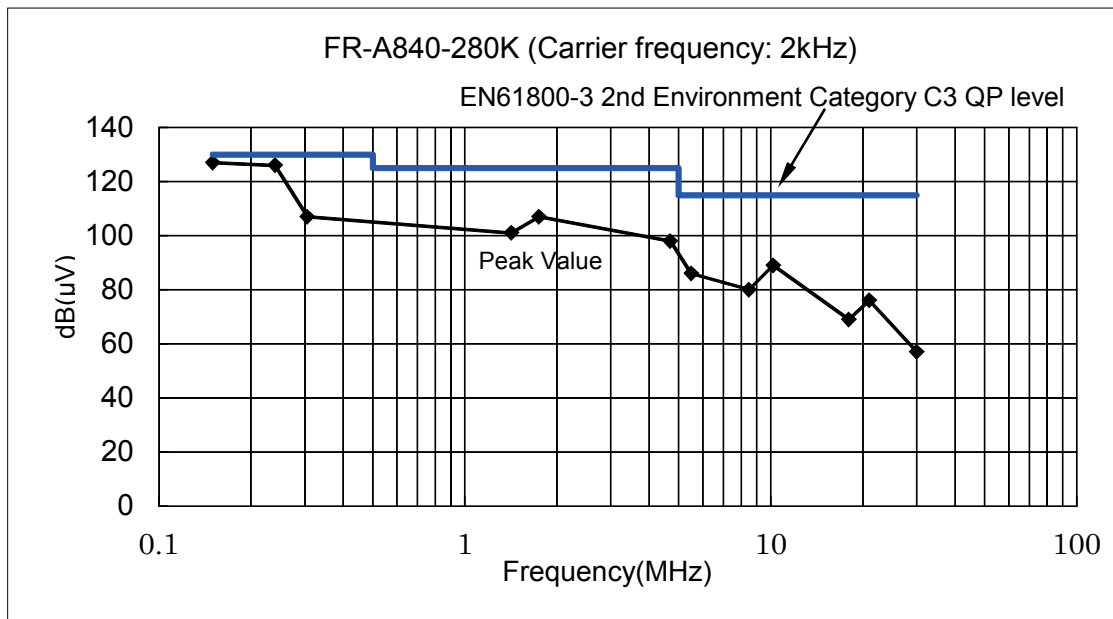


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

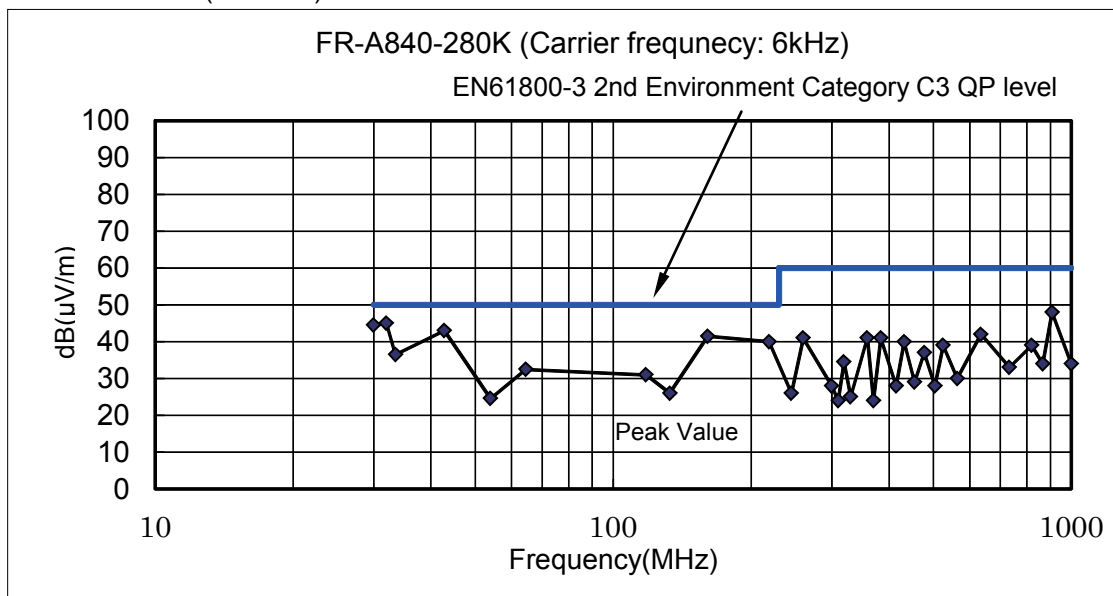
FR-A840-280K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

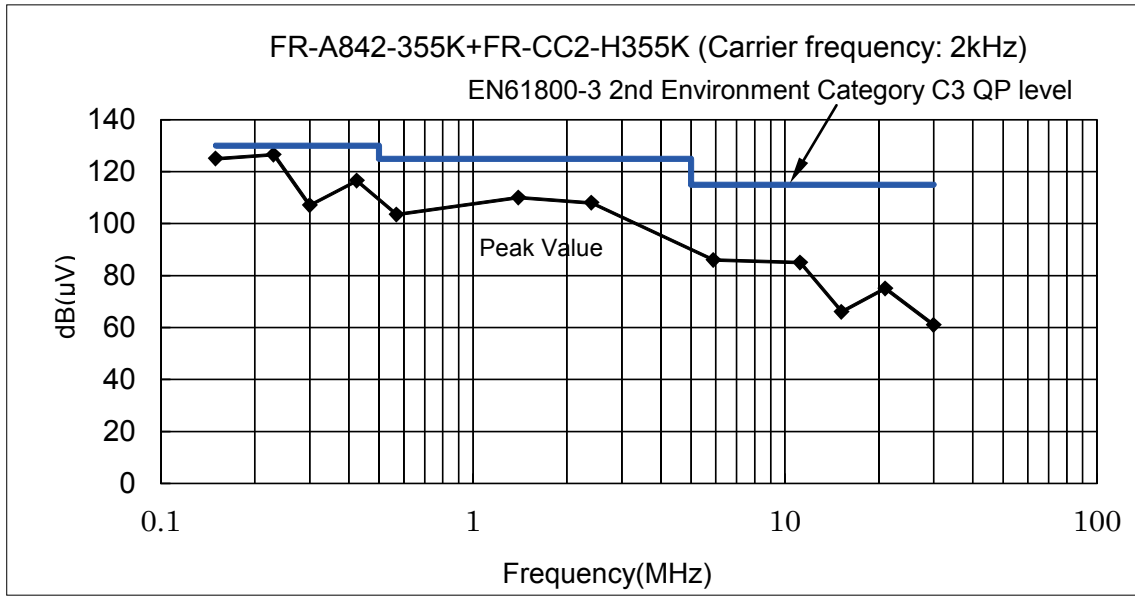


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

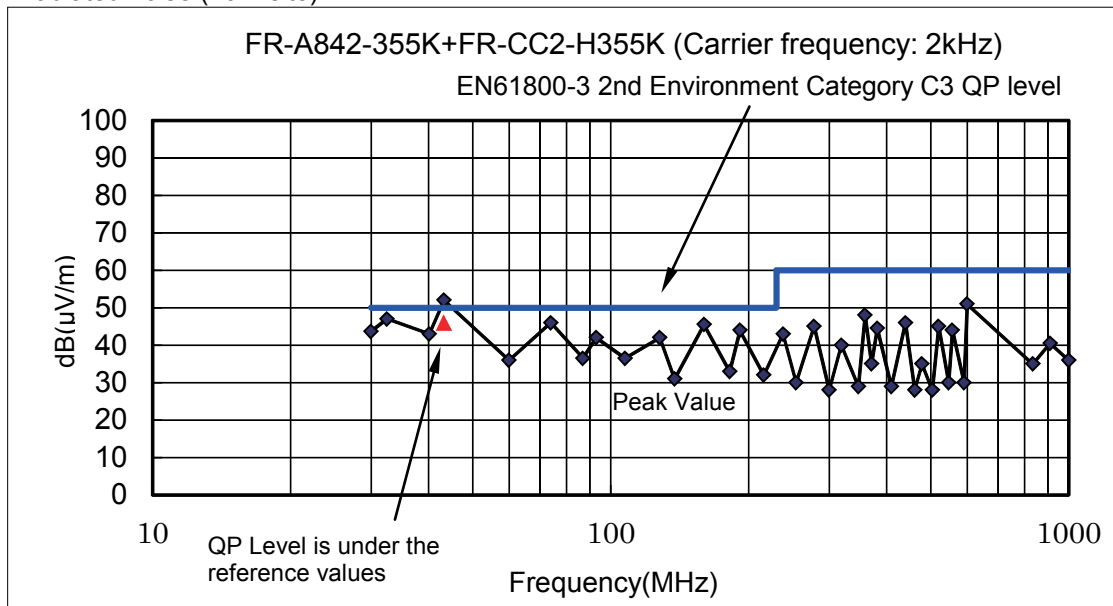
FR-A842-355K  
 FR-CC2-H355K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)

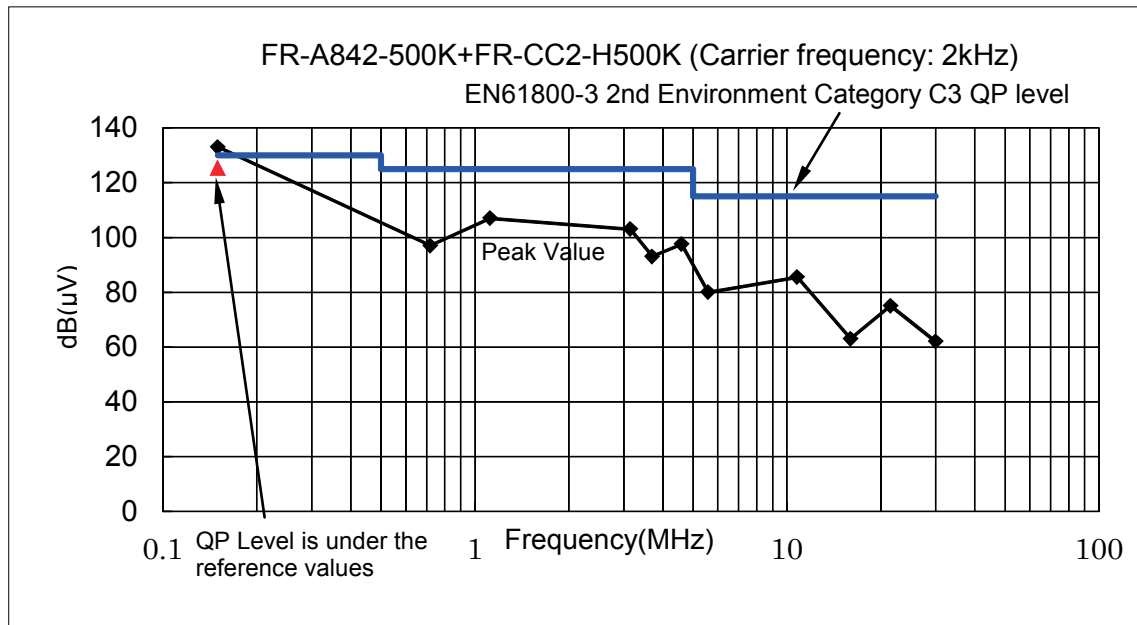


(Note) The QP value will not exceed the peak value

**MODELS: FR-A800**

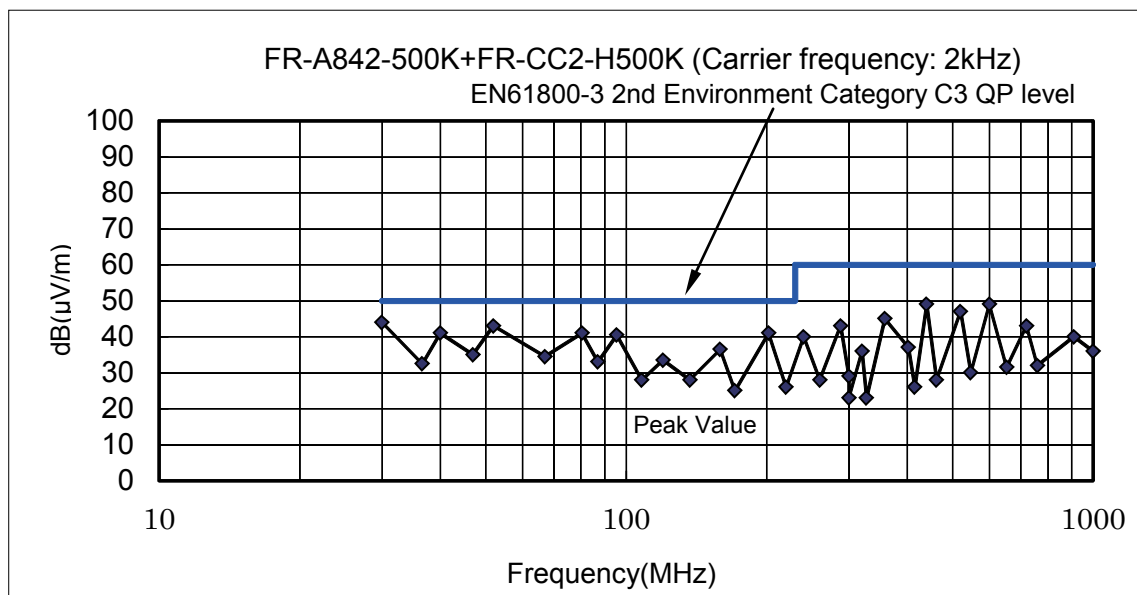
FR-A842-500K  
 FR-CC2-H500K

Conducted noise



(Note) The QP value will not exceed the peak value

Radiated noise (10m site)



(Note) The QP value will not exceed the peak value