

MODELS: FR-A800

TITLE: EMC DATA EXAMPLE (FR-A820)

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

FR-A820

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.

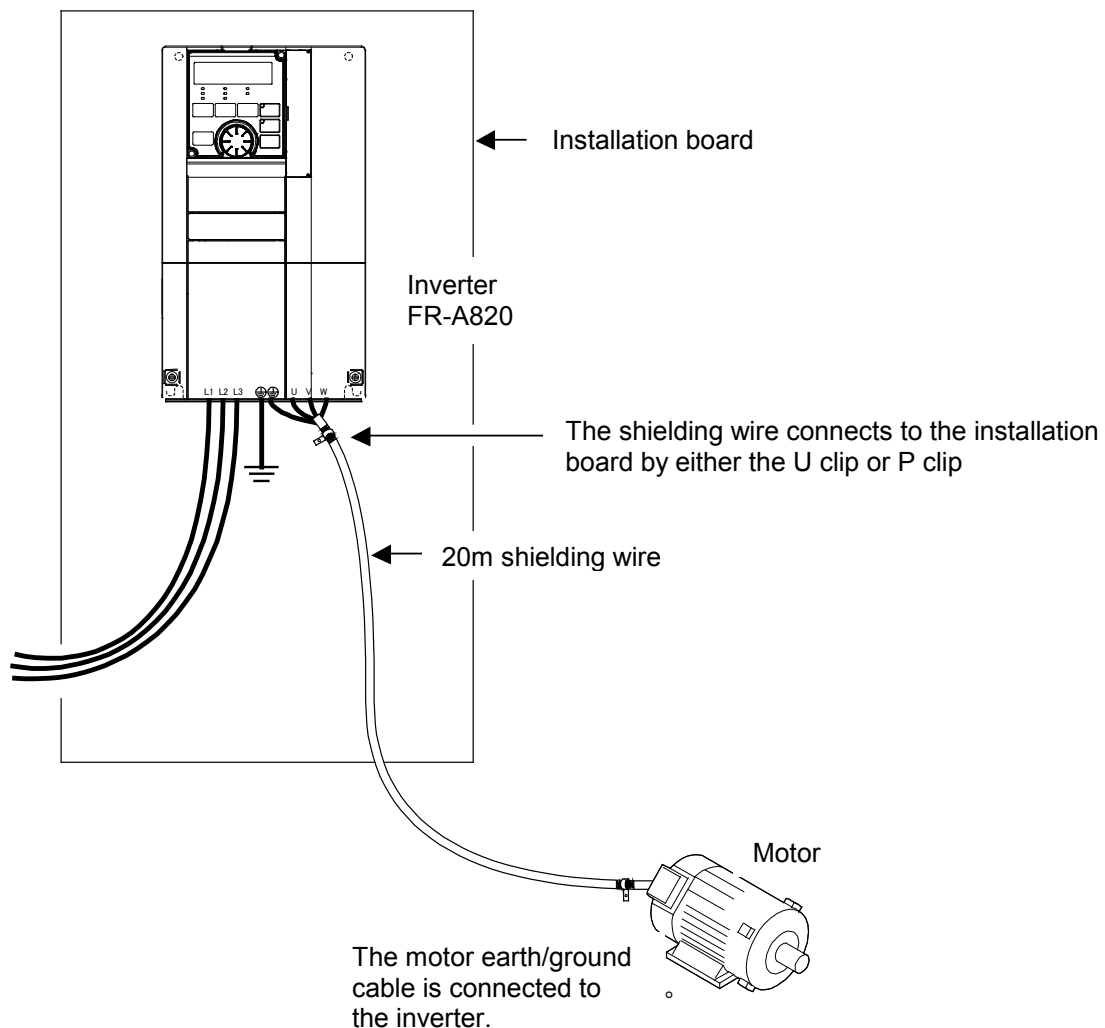
Output interconnection (motor) length :20m

Output cable type :Shielded cable

Inverter frequency :30Hz

Carrier frequency :Indicated above each graph

Control Panel :Without Door

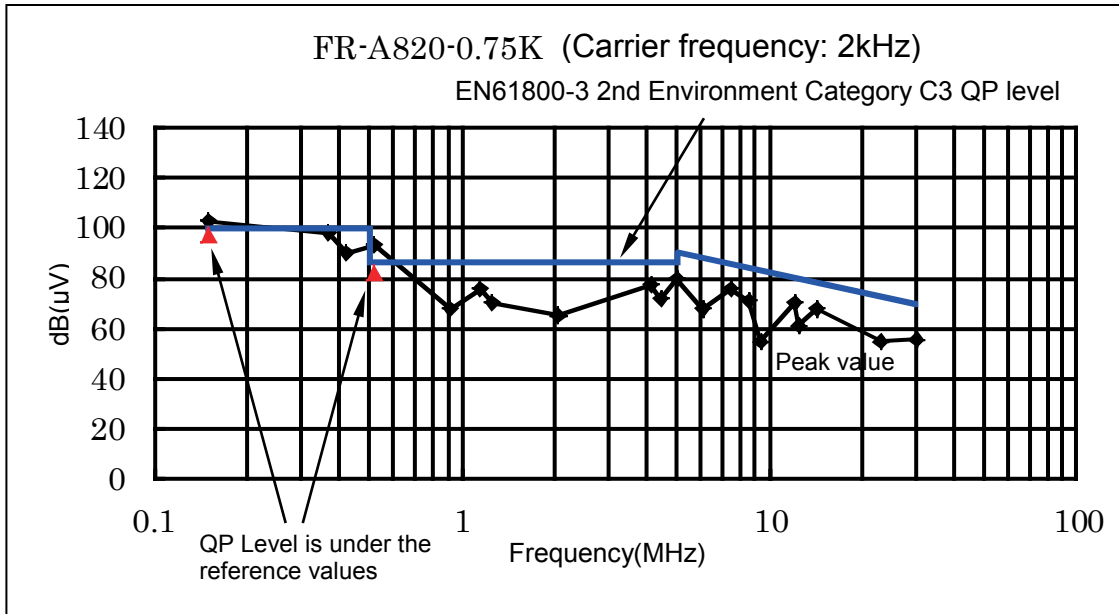


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EXAMPLE OF MEASUREMENT RESULTS

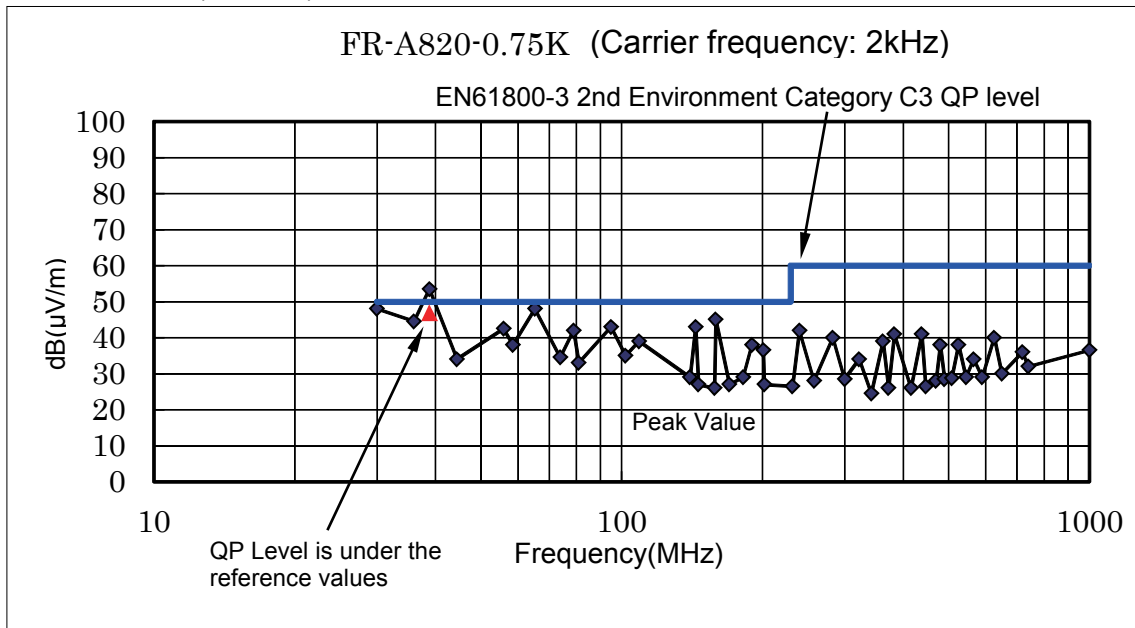
FR-A820-0.75K

Conducted noise



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

Radiated noise (10m site)

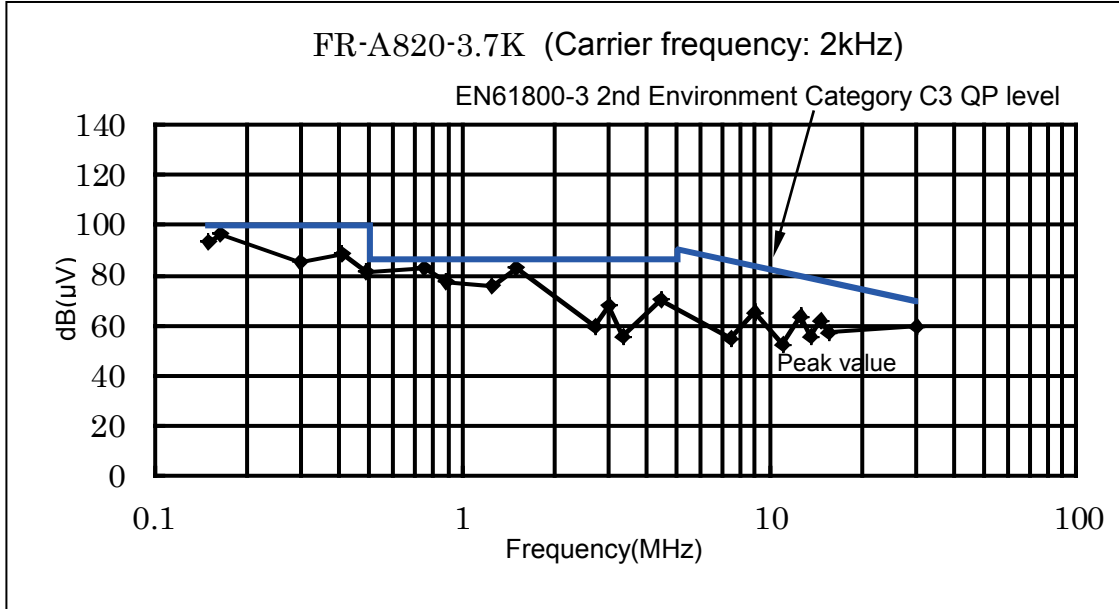


(Note) The QP value will not exceed the peak value

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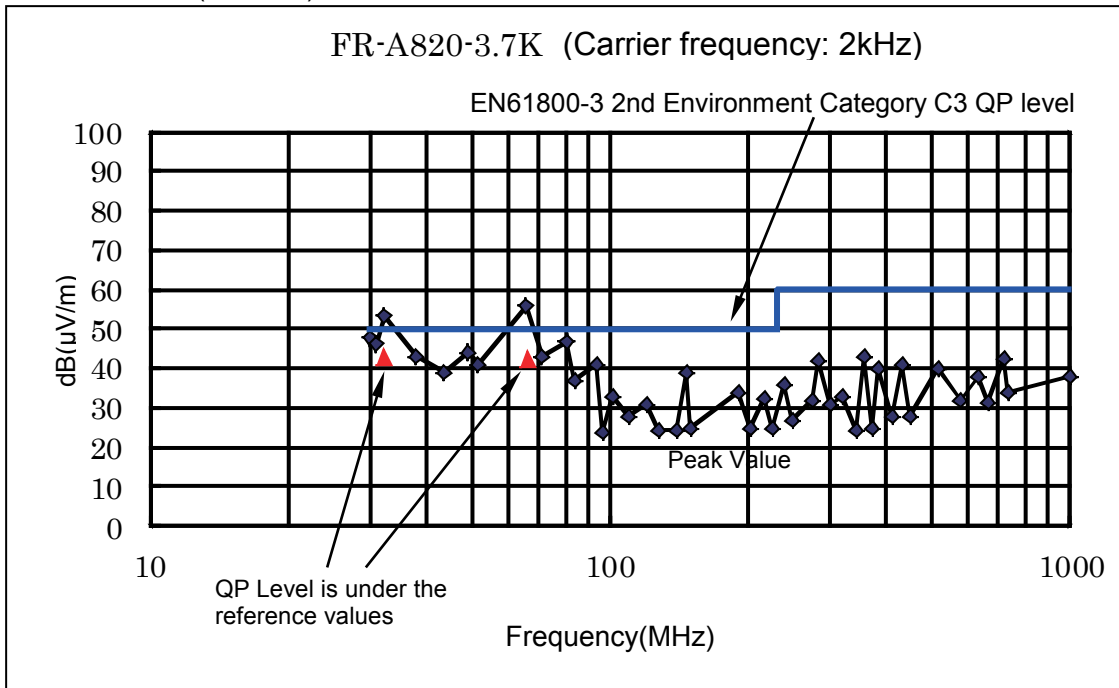
FR-A820-3.7K

Conducted noise



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

Radiated noise (10m site)

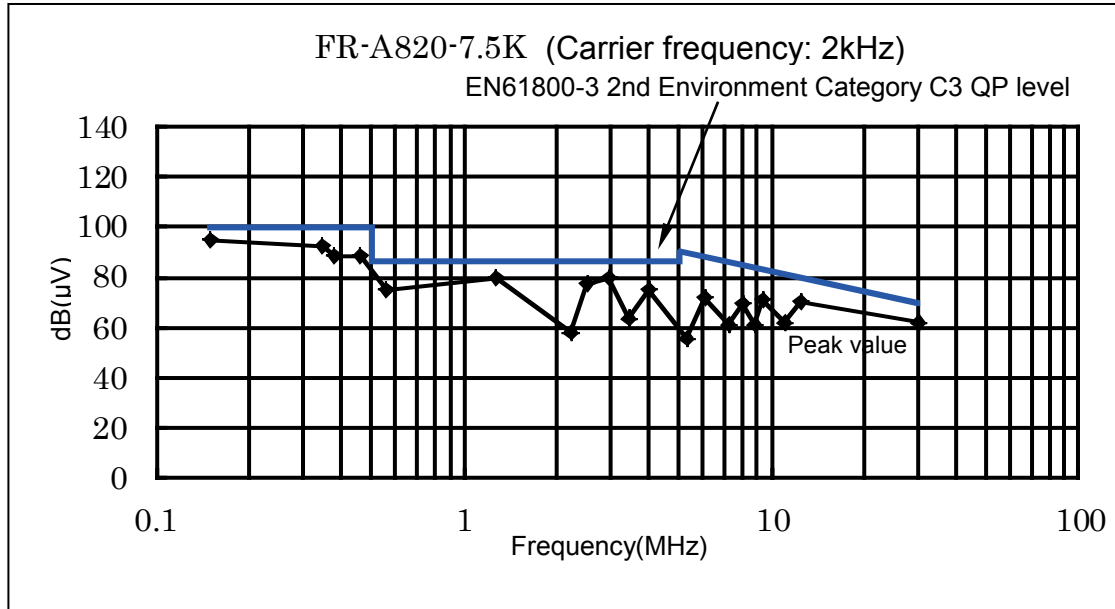


(Note) The QP value will not exceed the peak value

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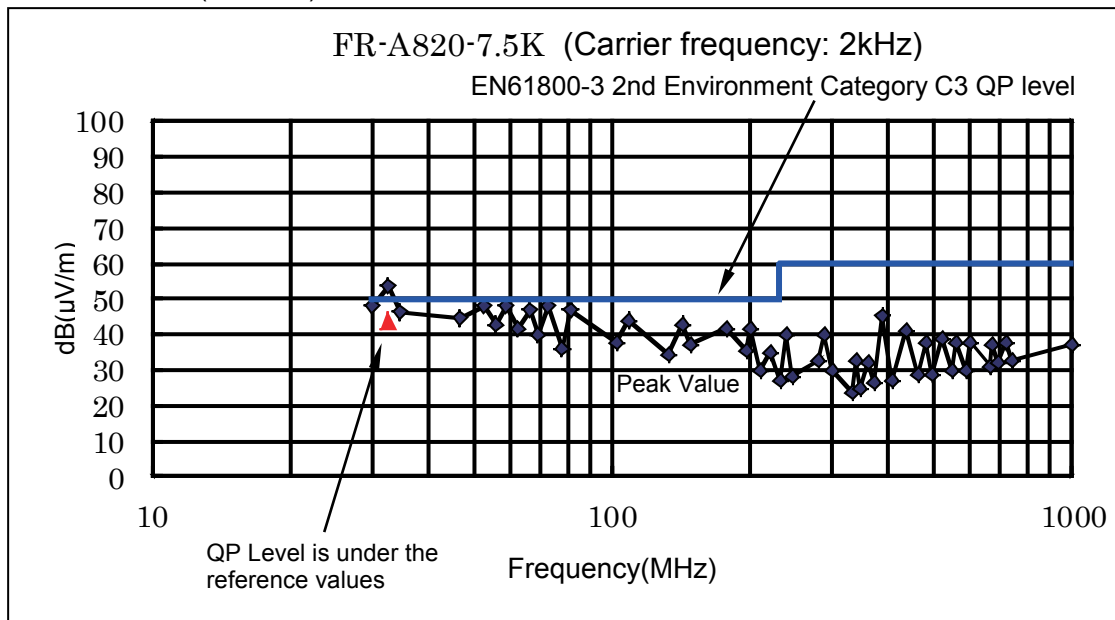
FR-A820-7.5K

Conducted noise



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

Radiated noise (10m site)



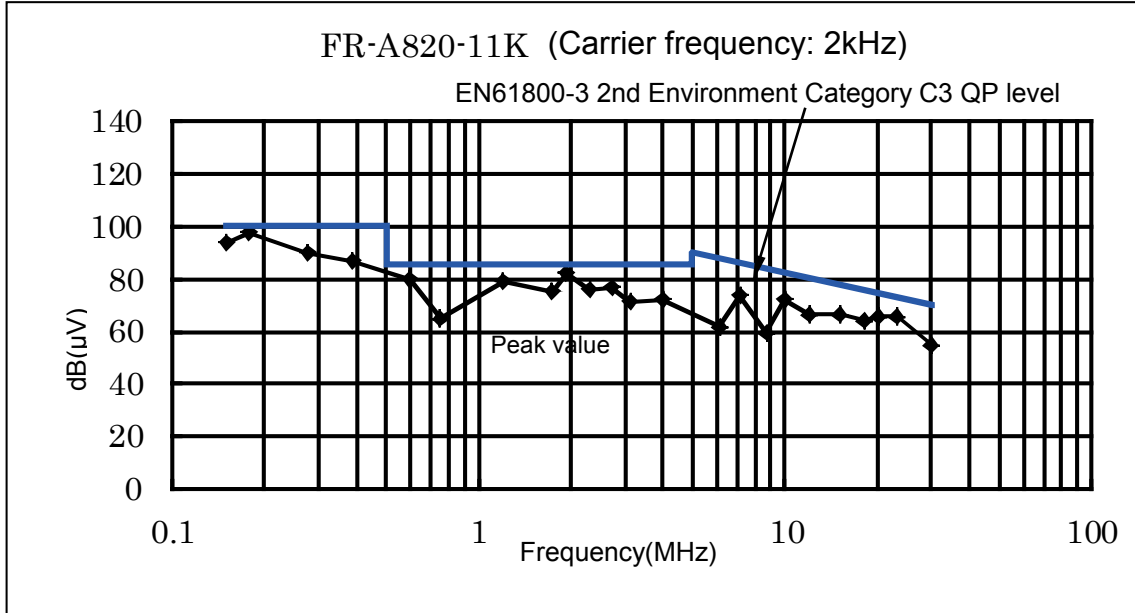
QP Level is under the reference values

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

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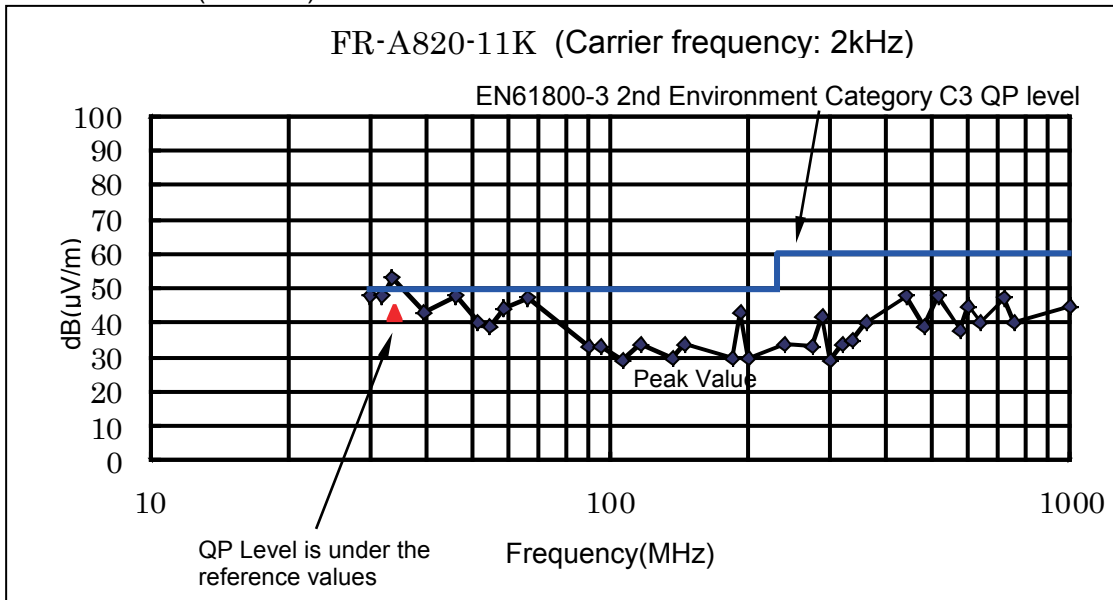
FR-A820-11K

Conducted noise



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

Radiated noise (10m site)

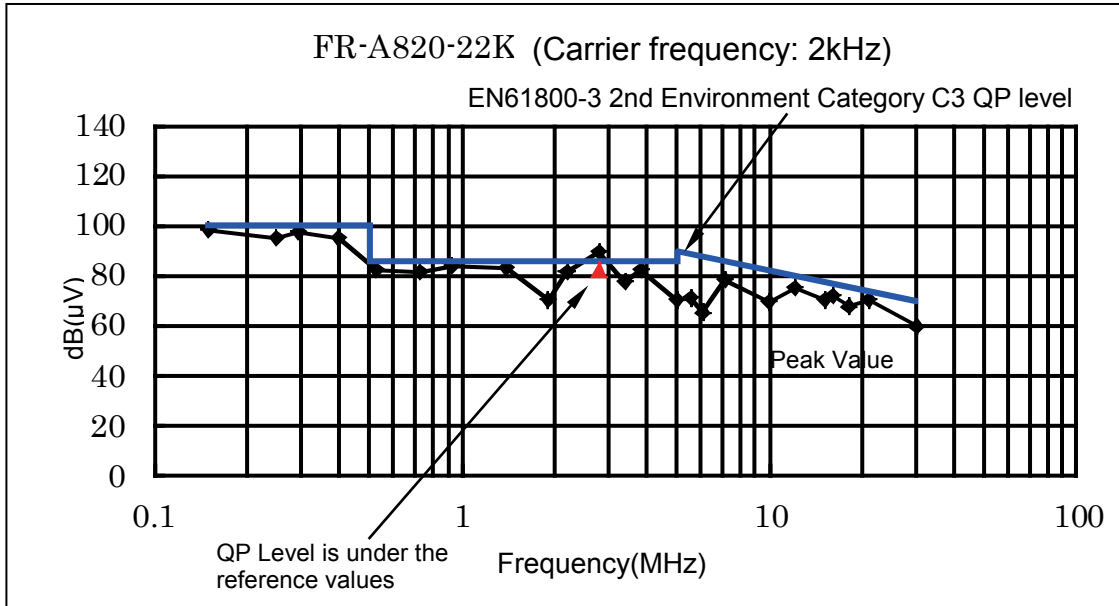


(Note) The QP value will not exceed the peak value

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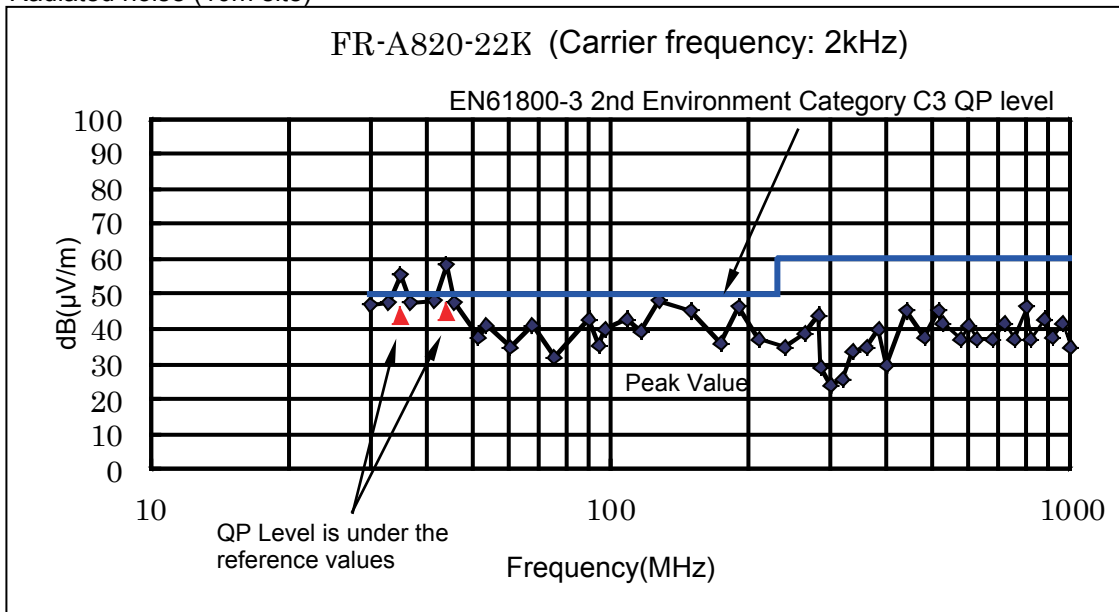
FR-A820-22K

Conducted noise



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

Radiated noise (10m site)

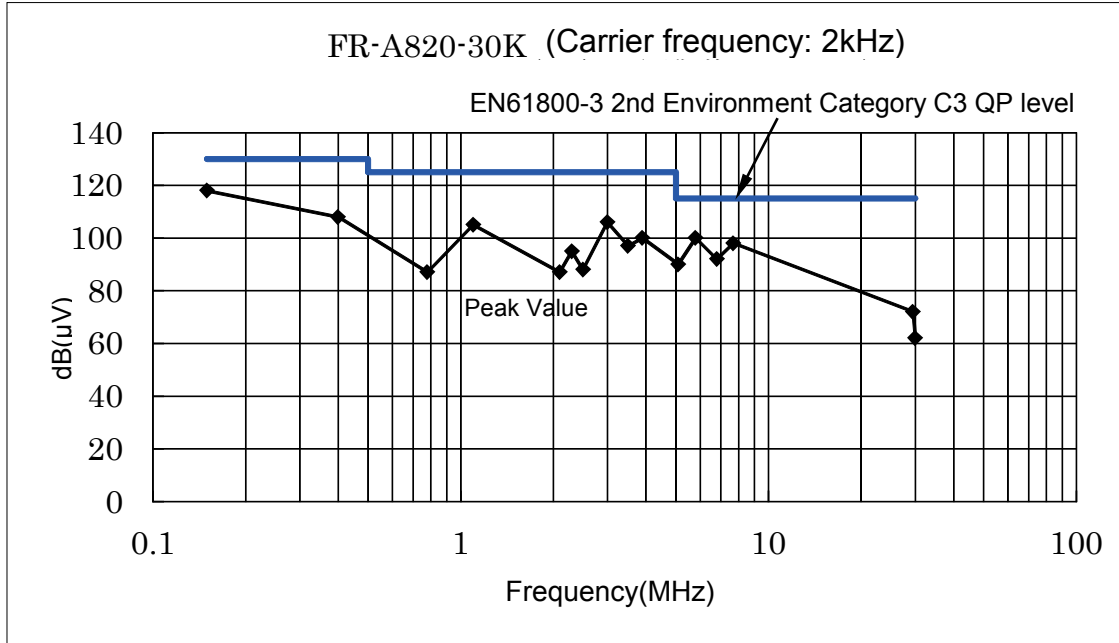


(Note) The QP value will not exceed the peak value

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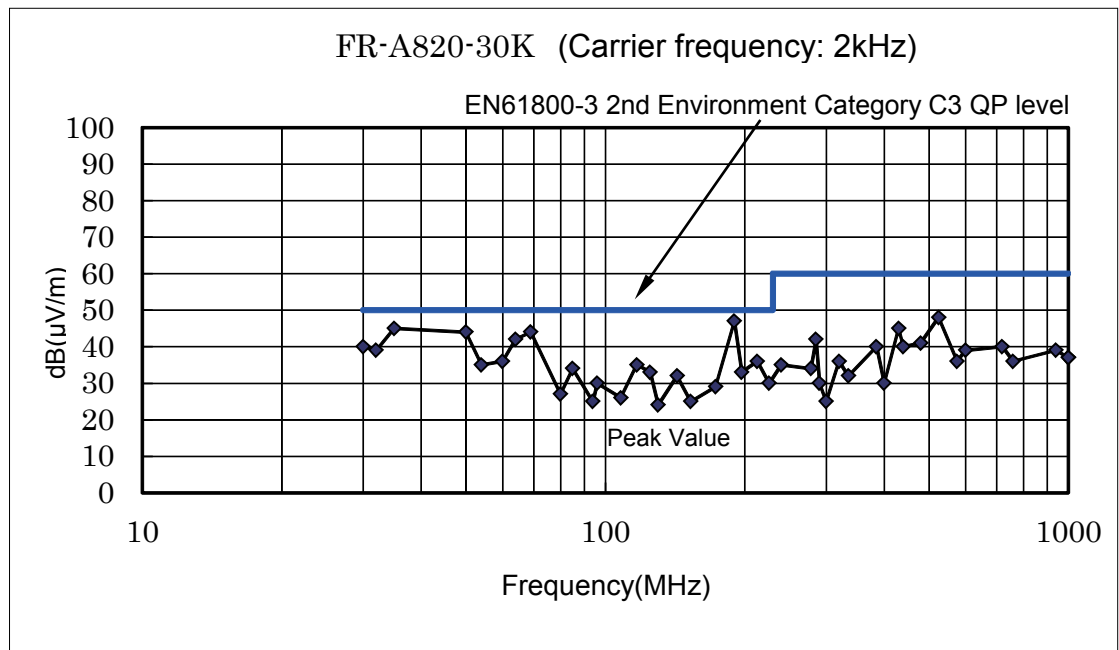
FR-A820-30K

Conducted noise



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

Radiated noise (10m site)

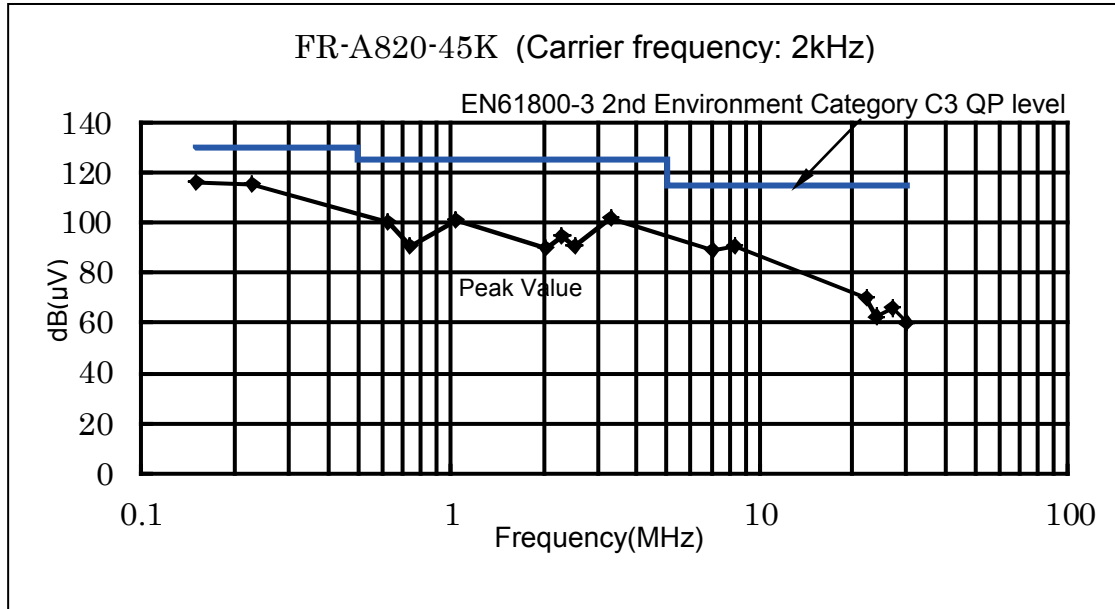


(Note) The QP value will not exceed the peak value

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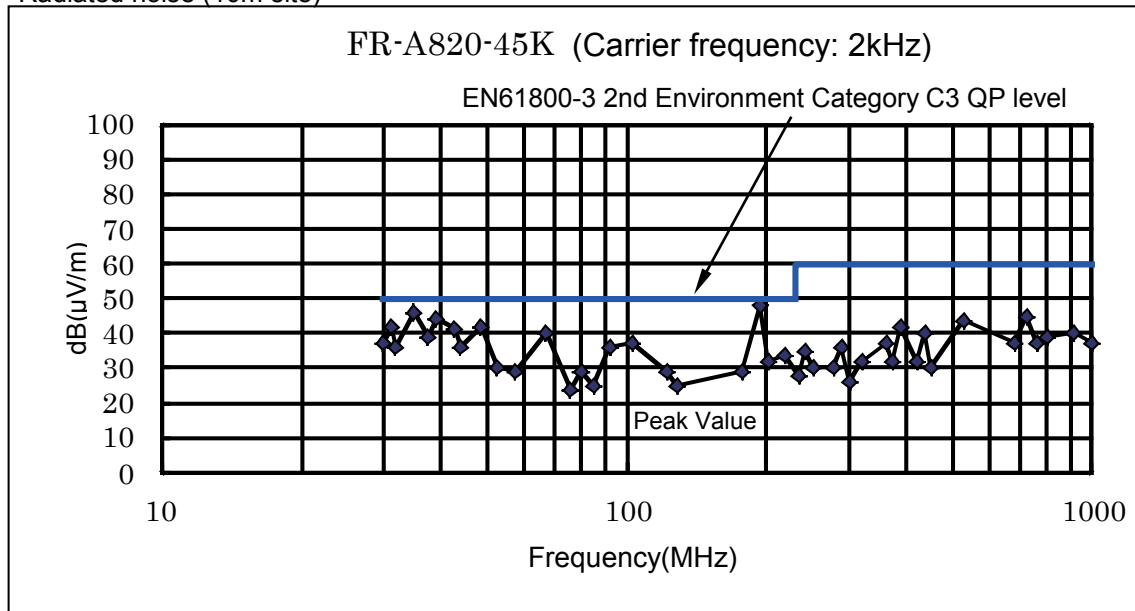
FR-A820-45K

Conducted noise



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

Radiated noise (10m site)

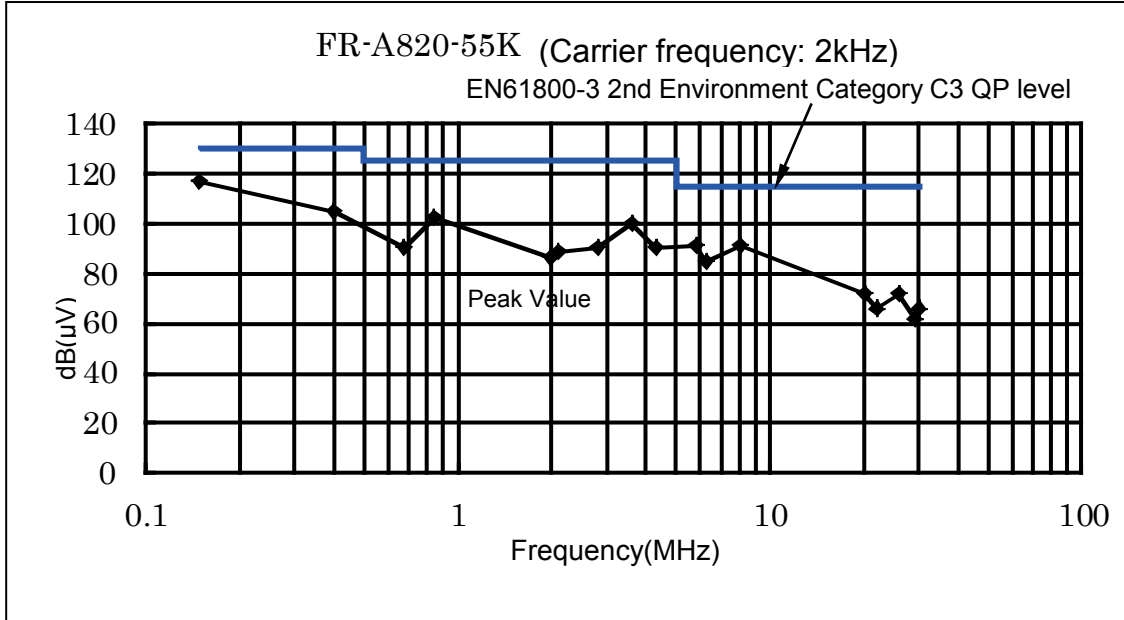


(Note) The QP value will not exceed the peak value

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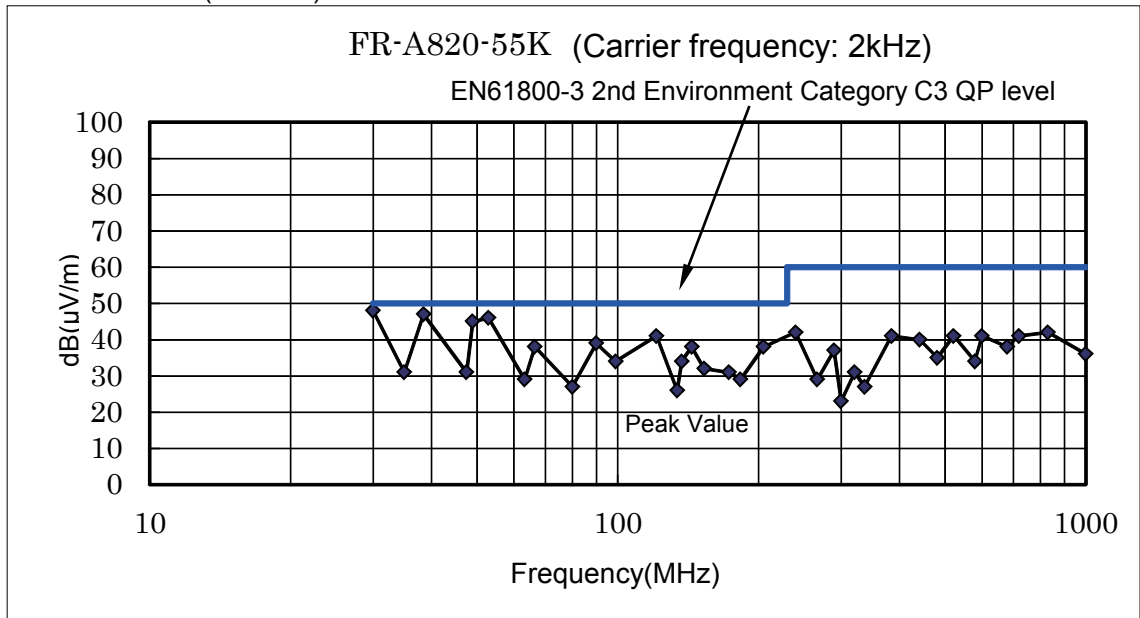
FR-A820-55K

Conducted noise



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

Radiated noise (10m site)

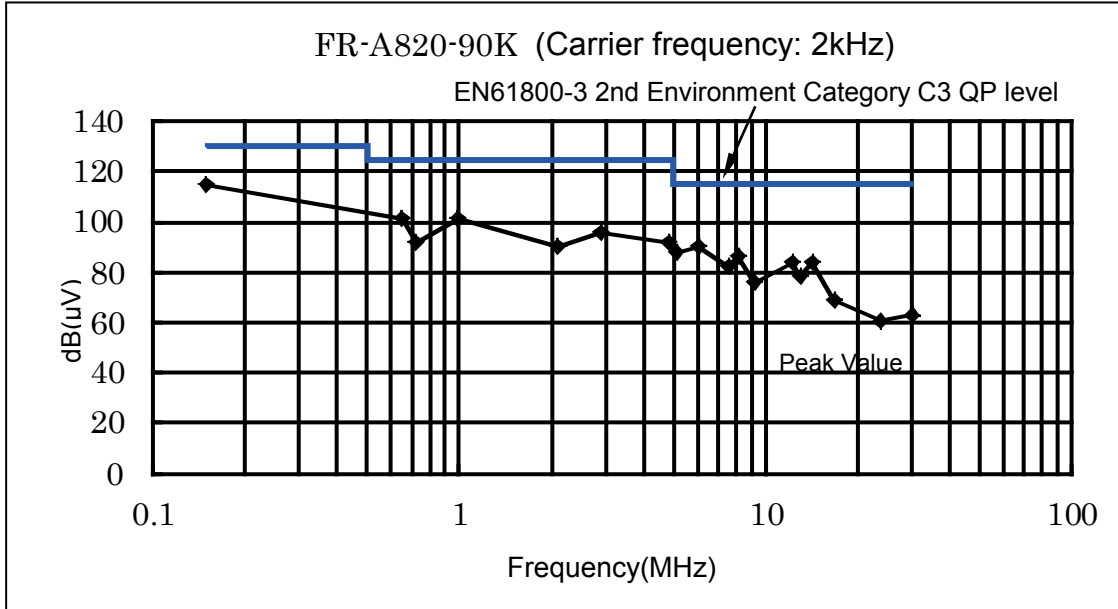


(Note) The QP value will not exceed the peak value

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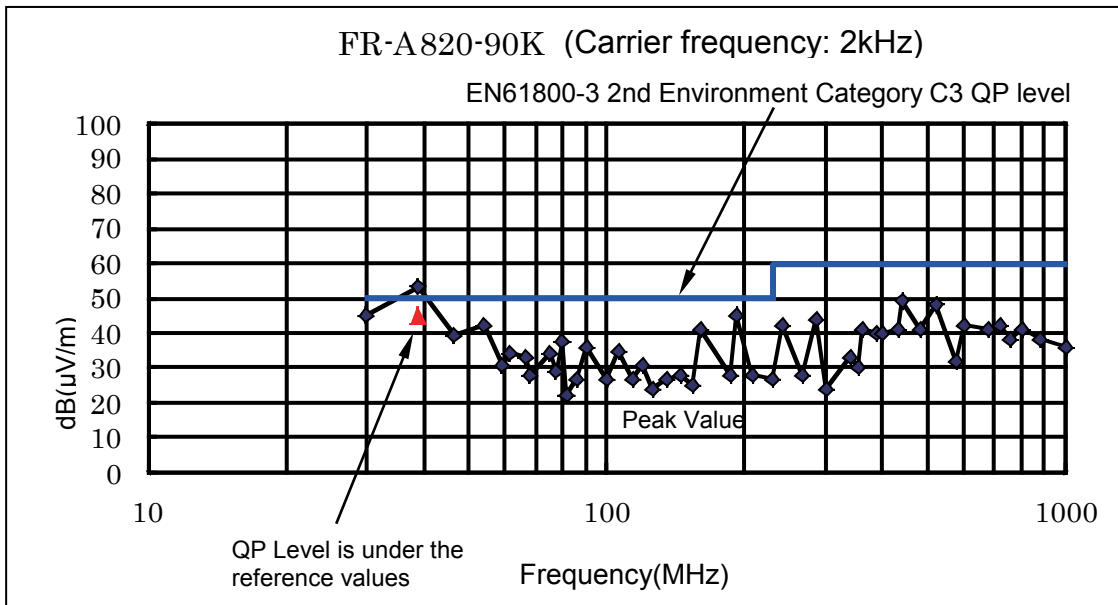
FR-A820-90K

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