

MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EMC data example when using the filter compliant with the EU EMC Directive shows as below.

< FR-E820 >

Conditions

The inverter conforms to EN61800-3/IEC61800-3 product standard.

The measurement was conducted based on the measurement conditions of 2nd Environment Category C3 described in EN61800-3/IEC61800-3.

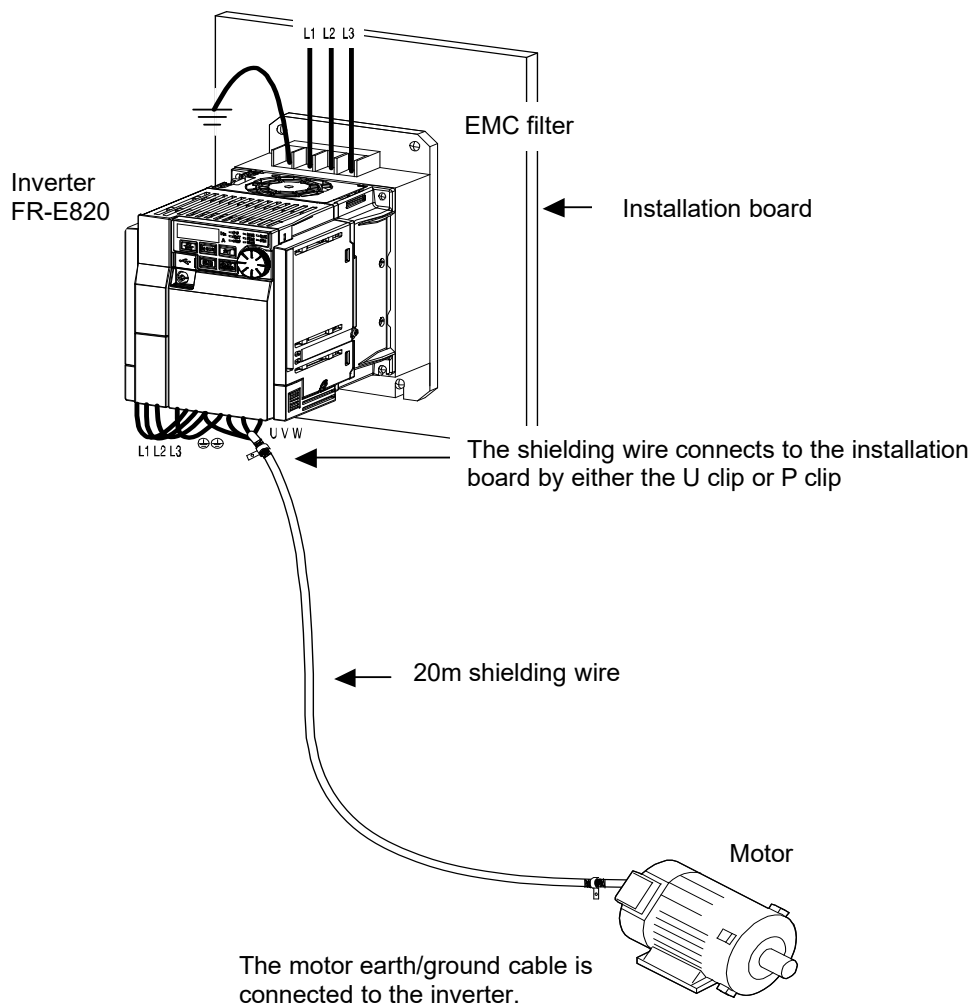
(NOTE)The following EMC data example is under the determination value of EN61800-3 as the most strict condition.

Output interconnection (motor) length :20m

Output cable type :Shielded cable

Inverter frequency :30Hz

Carrier frequency :Indicated above each graph



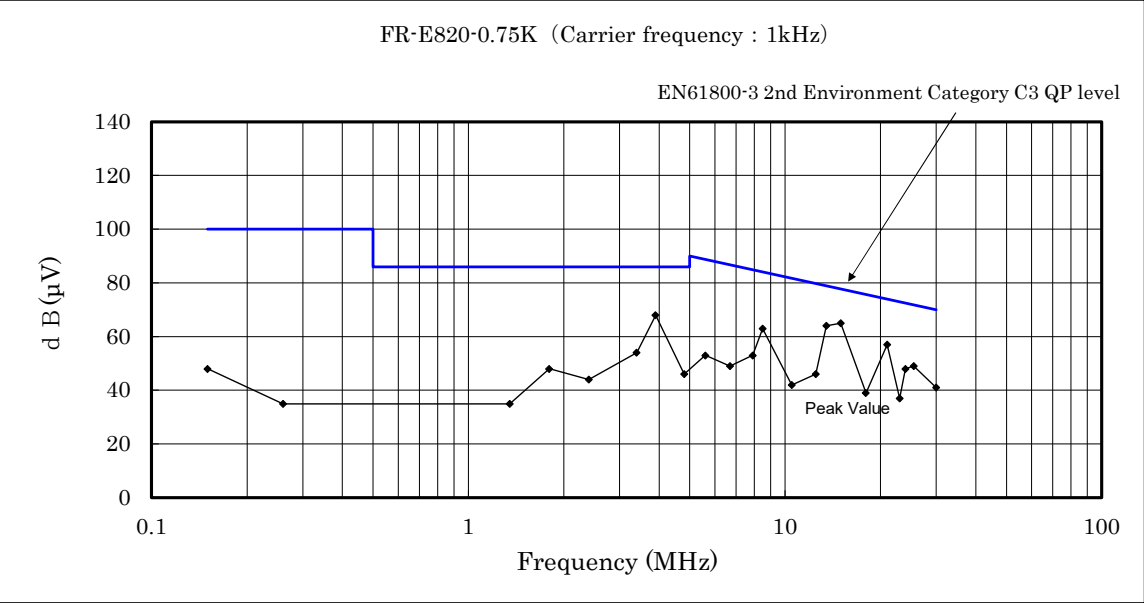
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

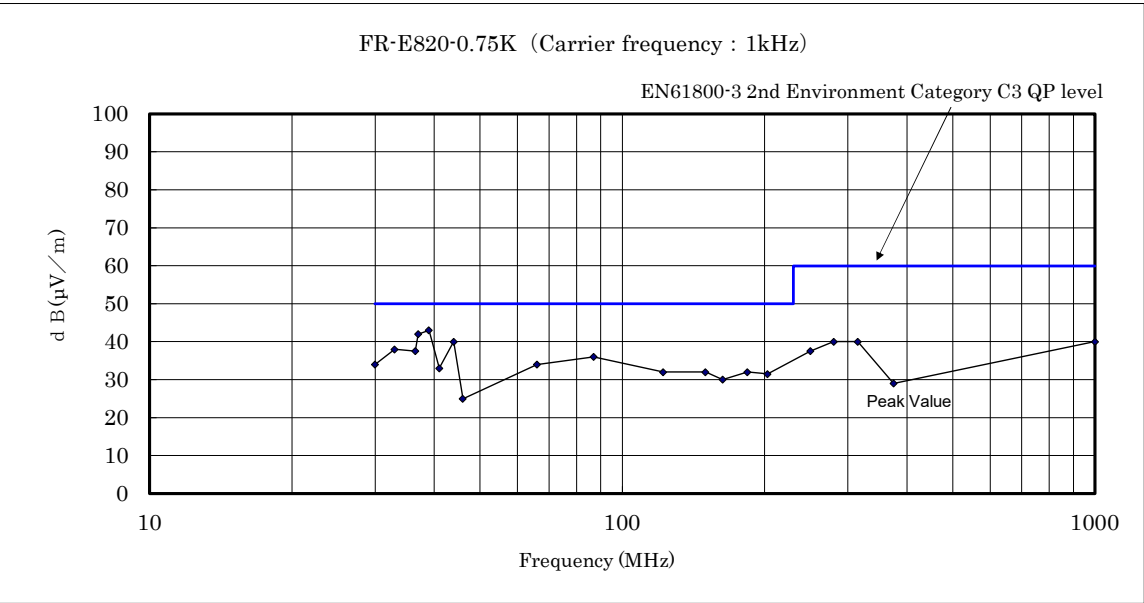
FR-E820-0.75K、SF1306

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

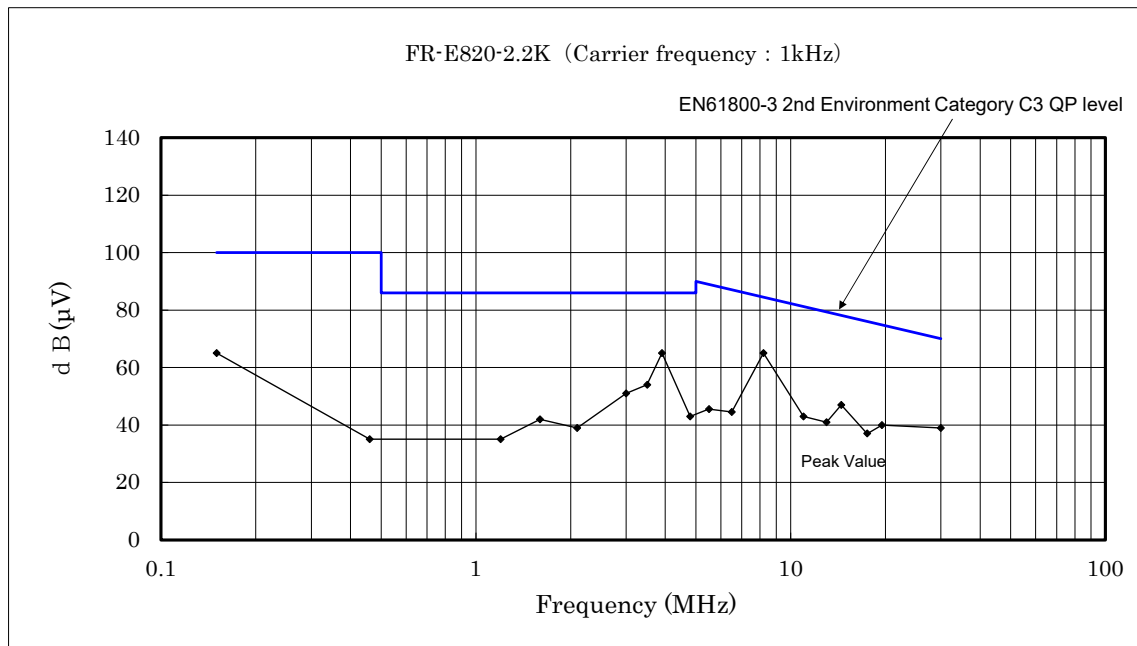
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

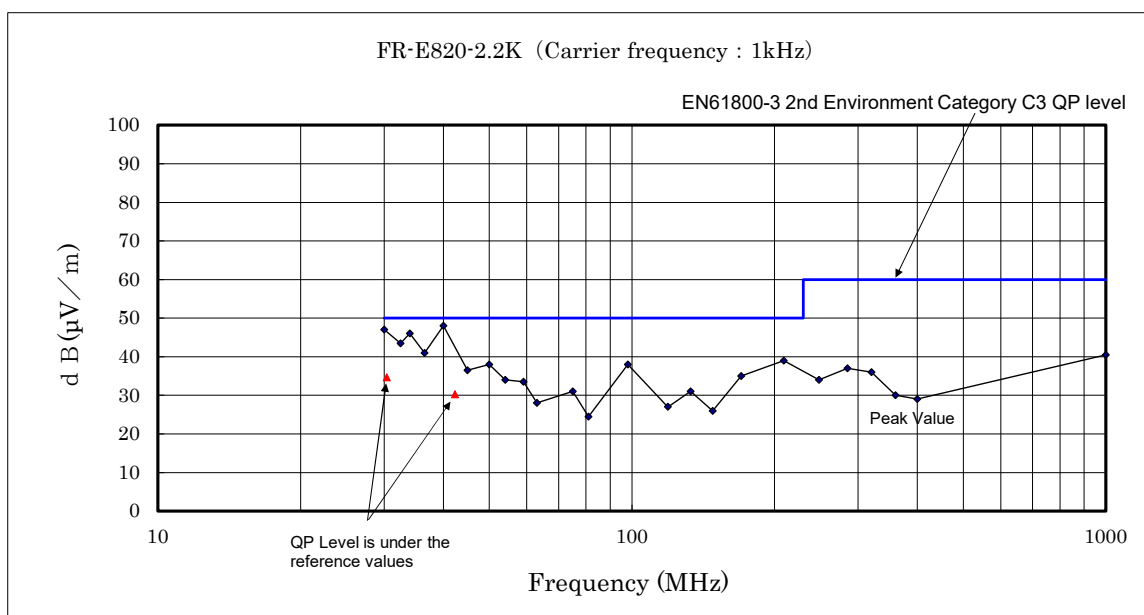
FR-E820-2.2K, SF1309

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

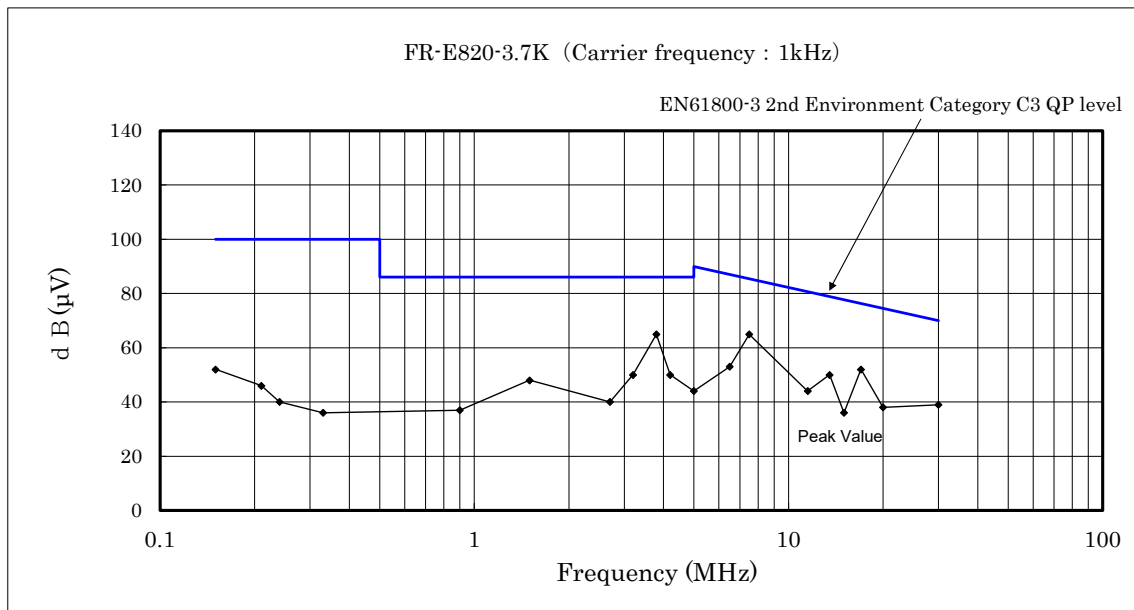
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

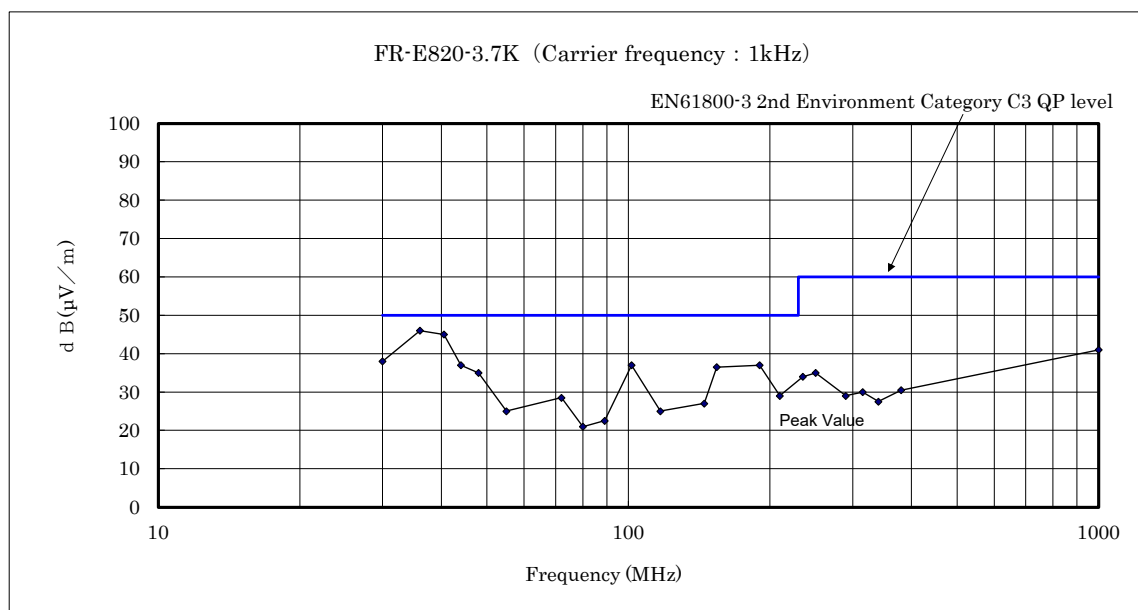
FR-E820-3.7K, SF1309

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

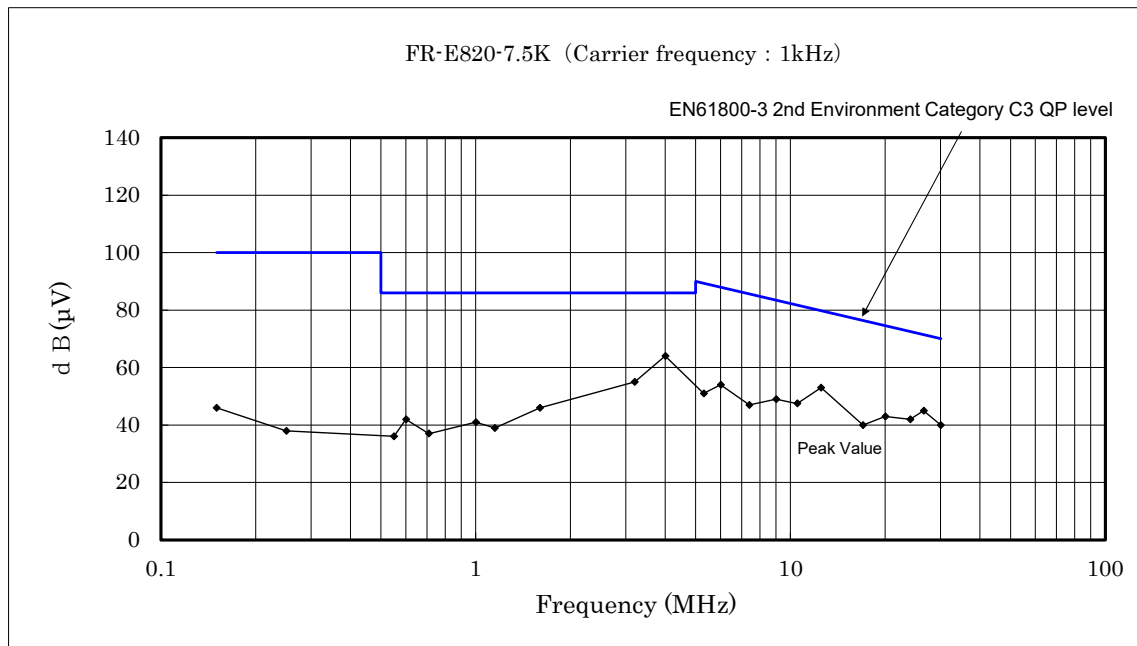
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

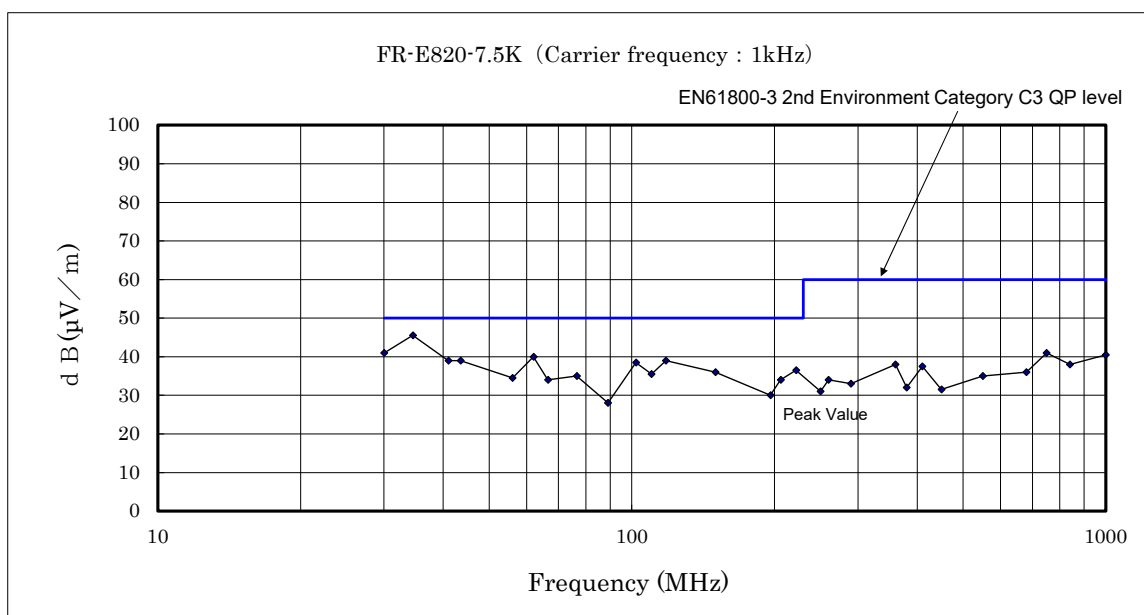
FR-E820-7.5K, SF1260

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

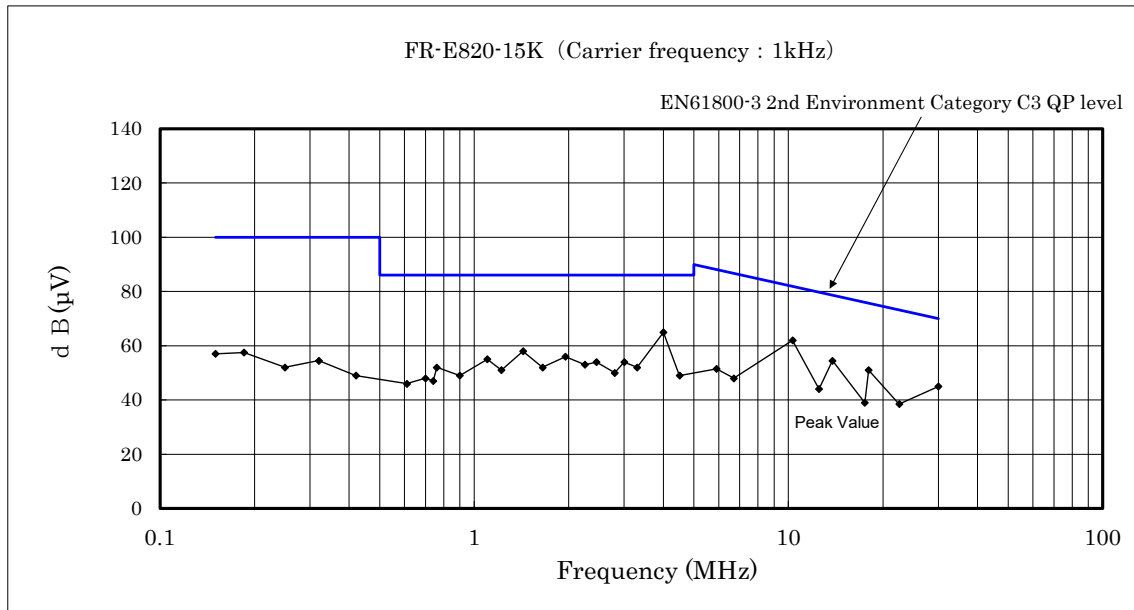
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

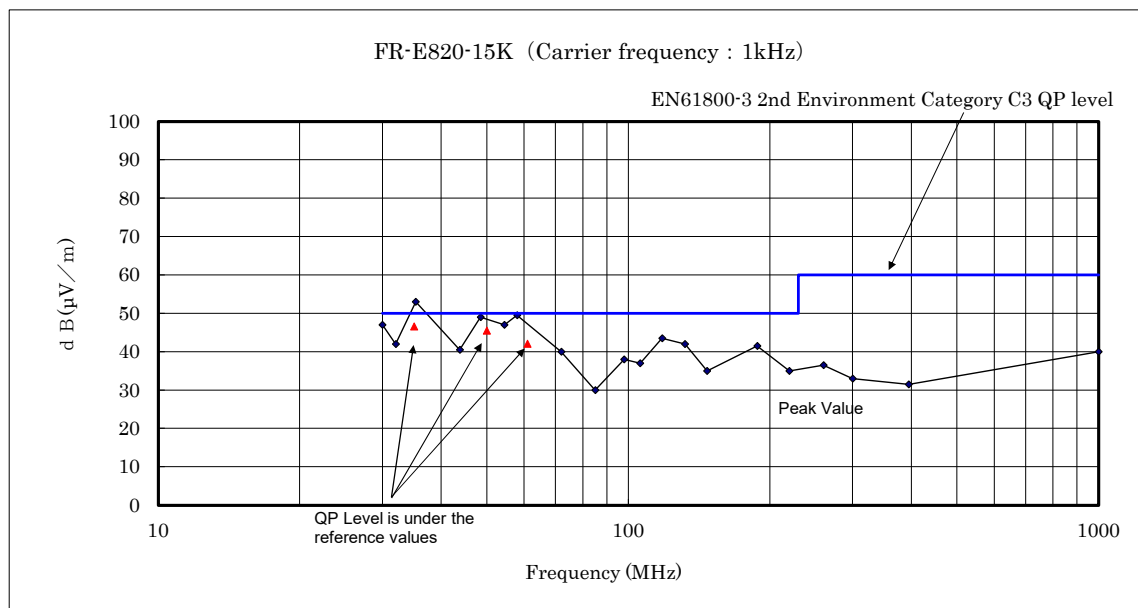
FR-E820-15K、SF1261

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

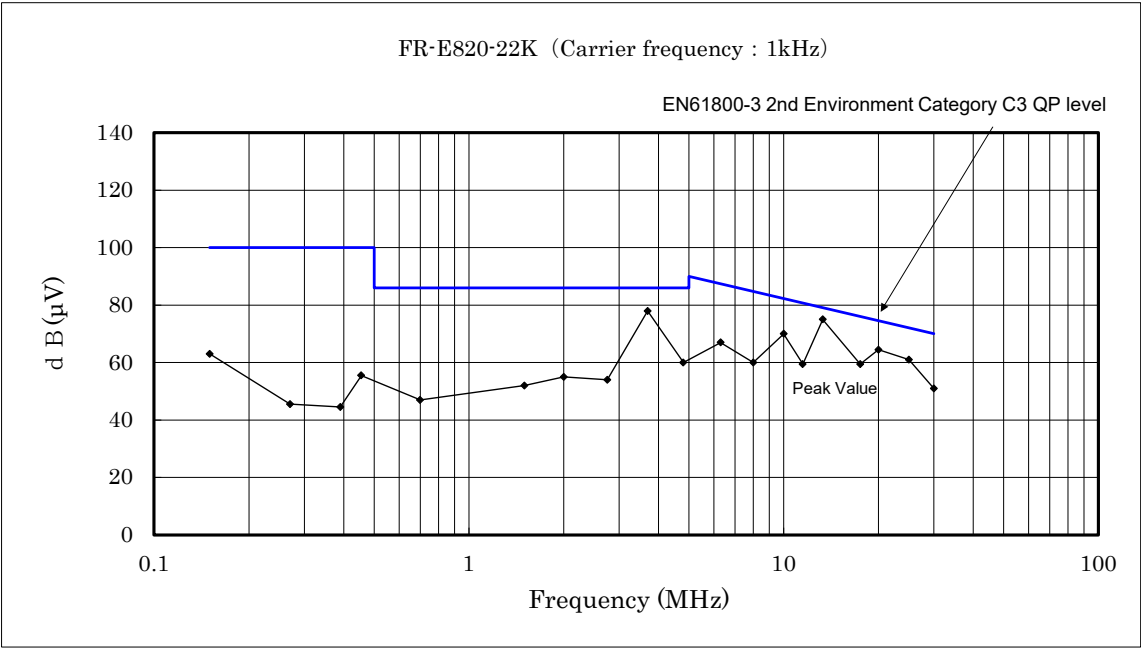
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

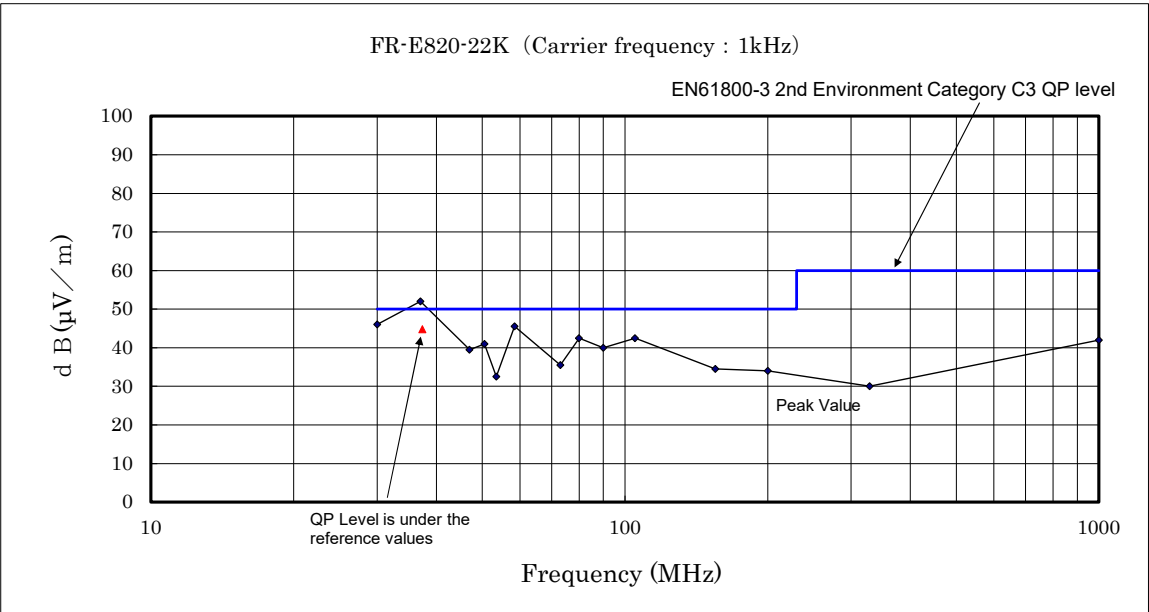
FR-E820-22K、SF1262

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-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EMC data example when using the filter compliant with the EU EMC Directive shows as below.

< FR-E820S >

Conditions

The inverter conforms to EN61800-3/IEC61800-3 product standard.

The measurement was conducted based on the measurement conditions of 2nd Environment Category C3 described in EN61800-3/IEC61800-3.

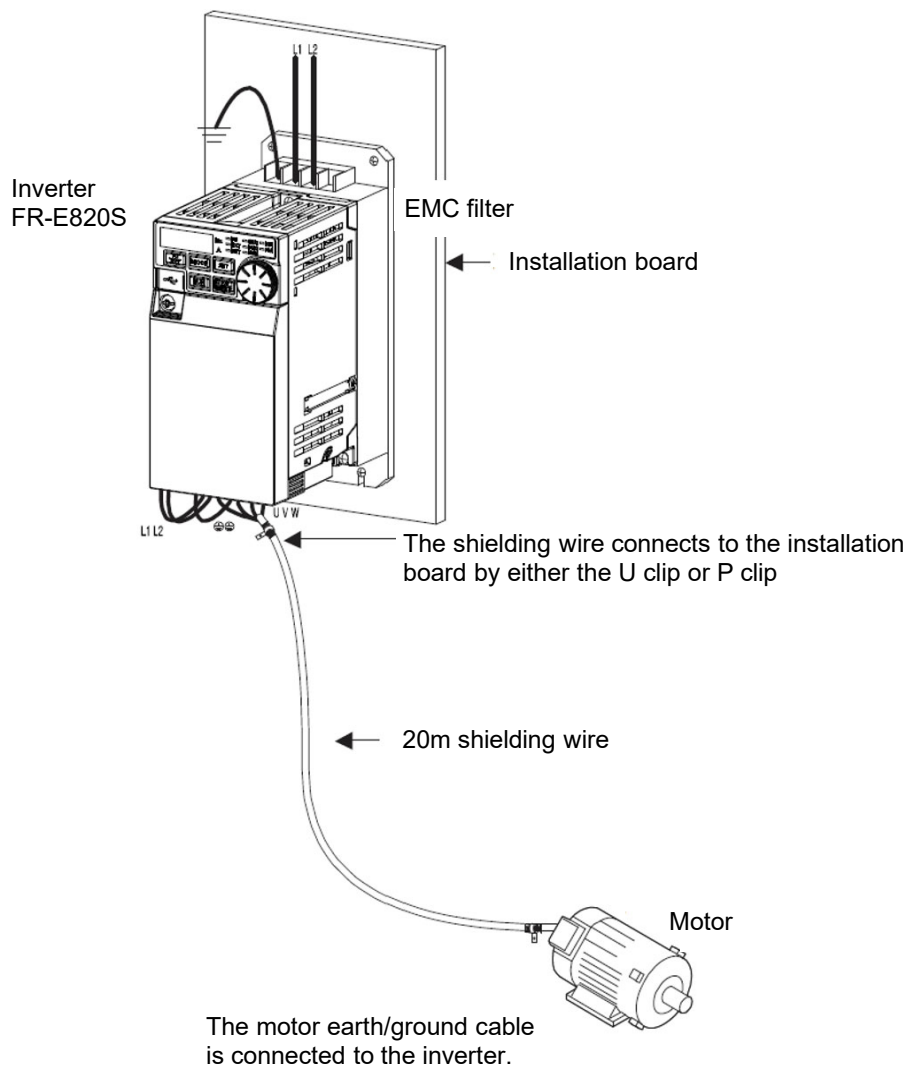
(NOTE)The following EMC data example is under the determination value of EN61800-3 as the most strict condition.

Output interconnection (motor) length :20m

Output cable type :Shielded cable

Inverter frequency :30Hz

Carrier frequency :Indicated above each graph



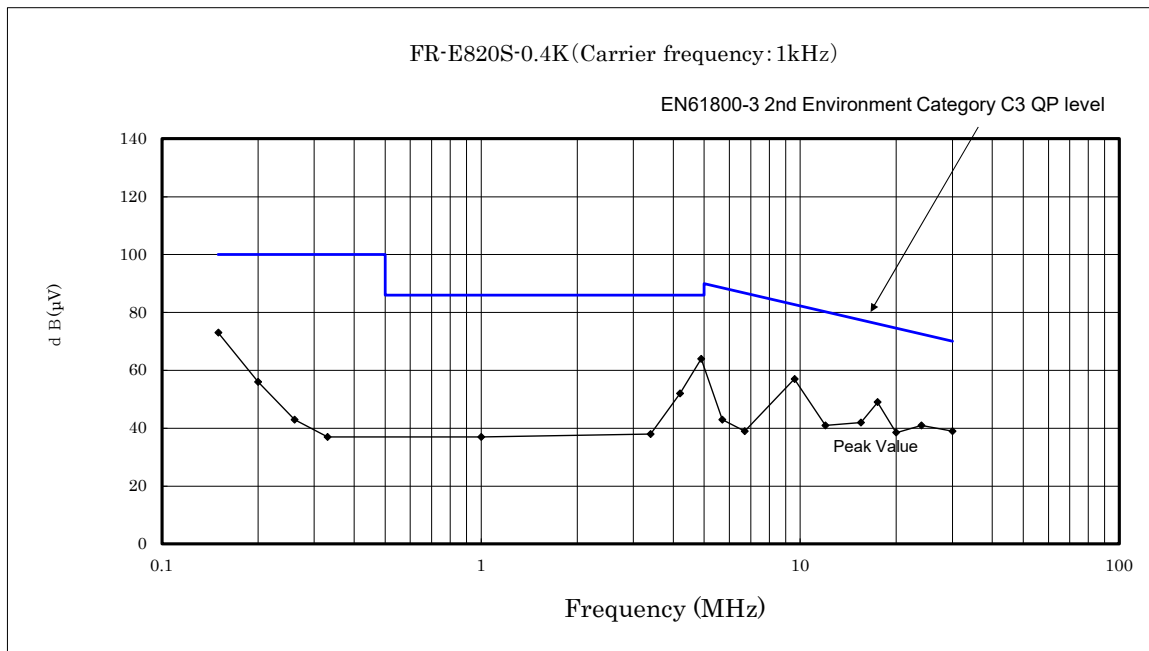
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

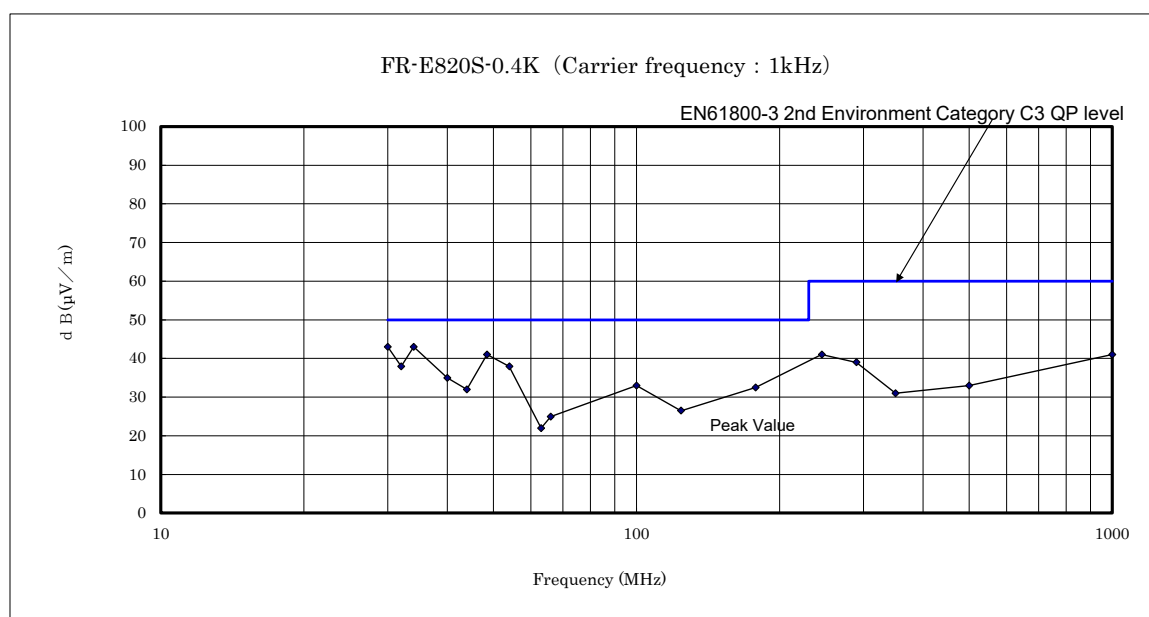
FR-E820S-0.4K、SF1320

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

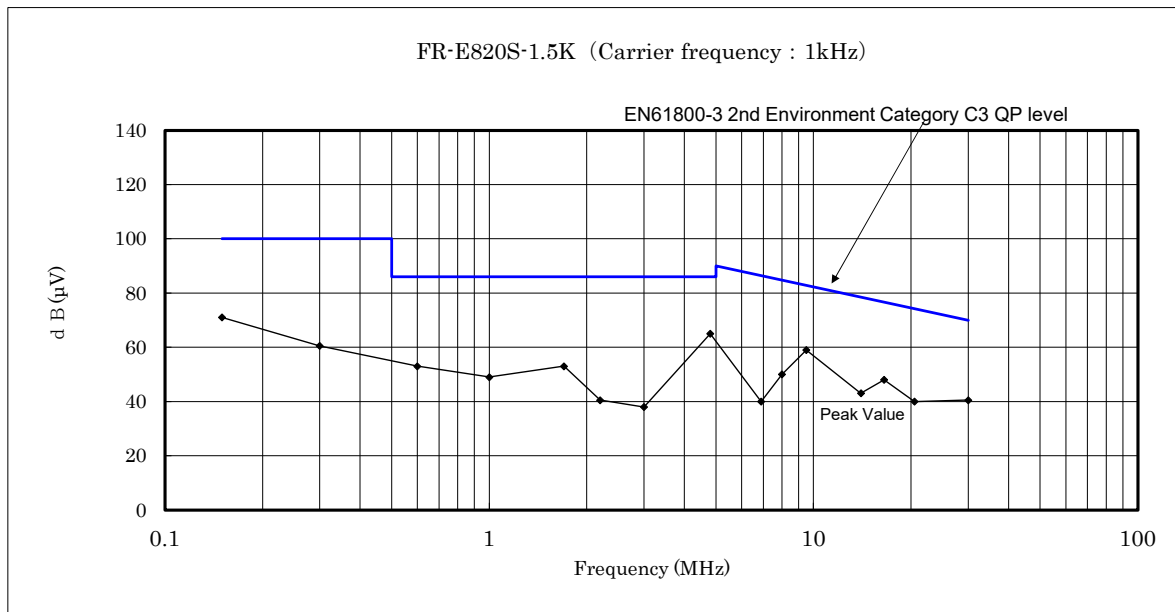
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

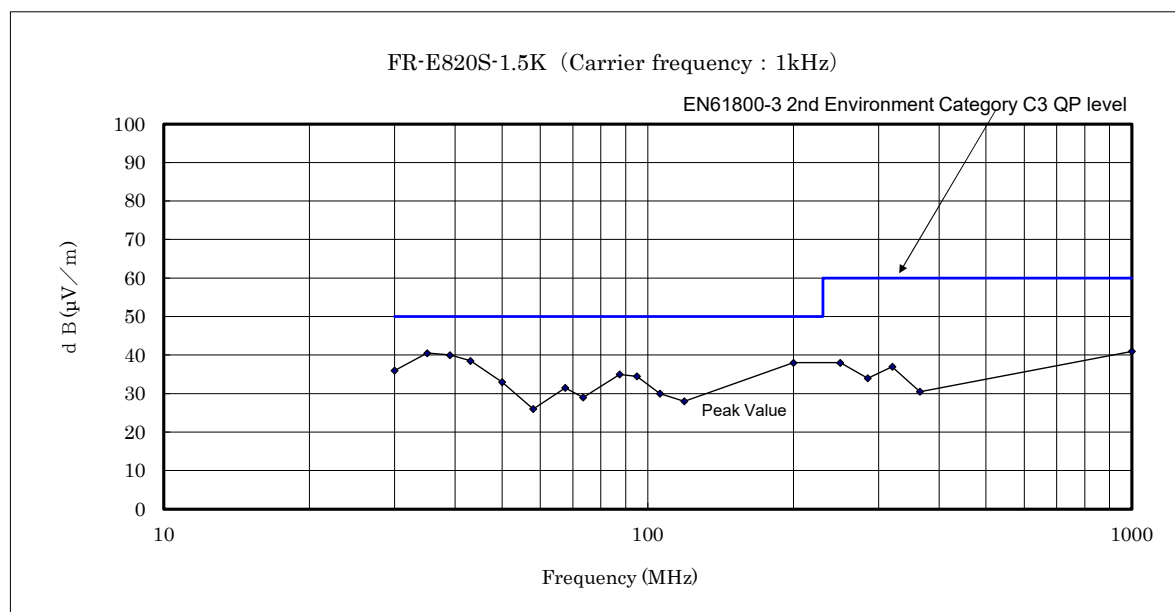
FR-E820S-1.5K, FR-S5NFS-1.5K

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

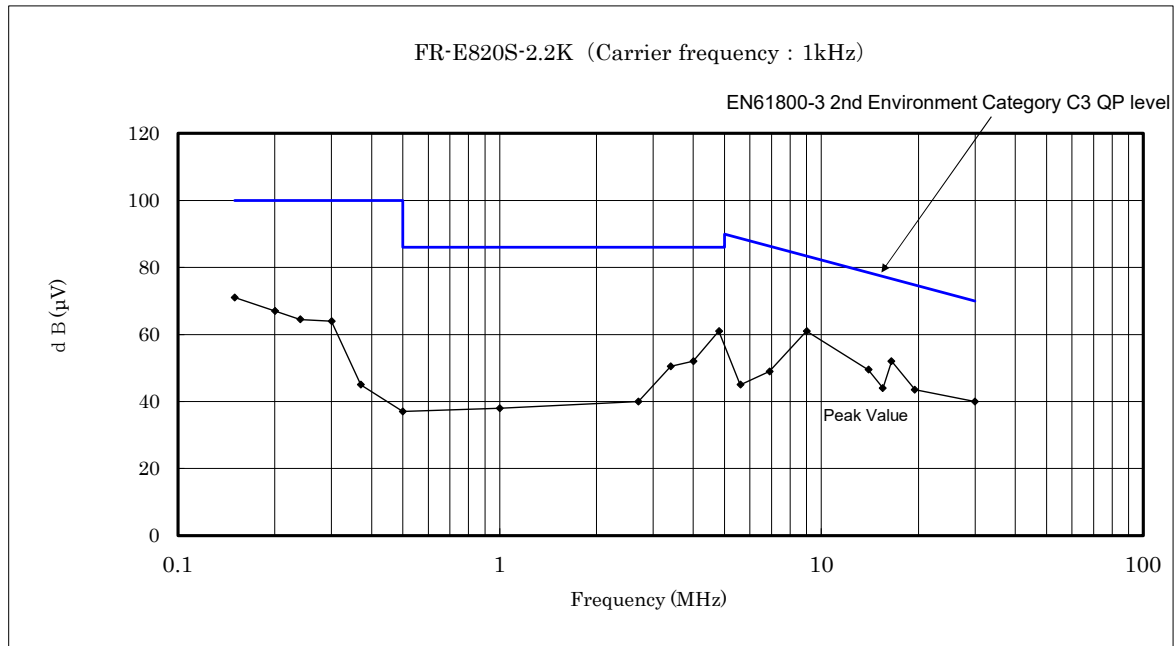
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

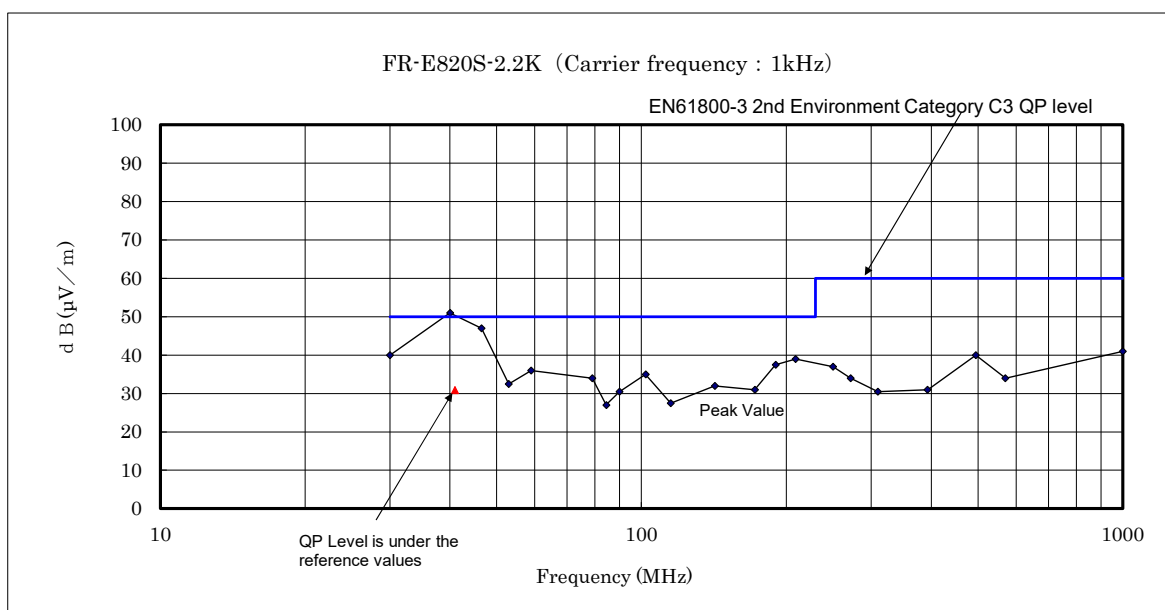
FR-E820S-2.2K、SF1309

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-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EMC data example when using the filter compliant with the EU EMC Directive shows as below.

< FR-E810W >

Conditions

The inverter conforms to EN61800-3/IEC61800-3 product standard.

The measurement was conducted based on the measurement conditions of 2nd Environment Category C3 described in EN61800-3/IEC61800-3.

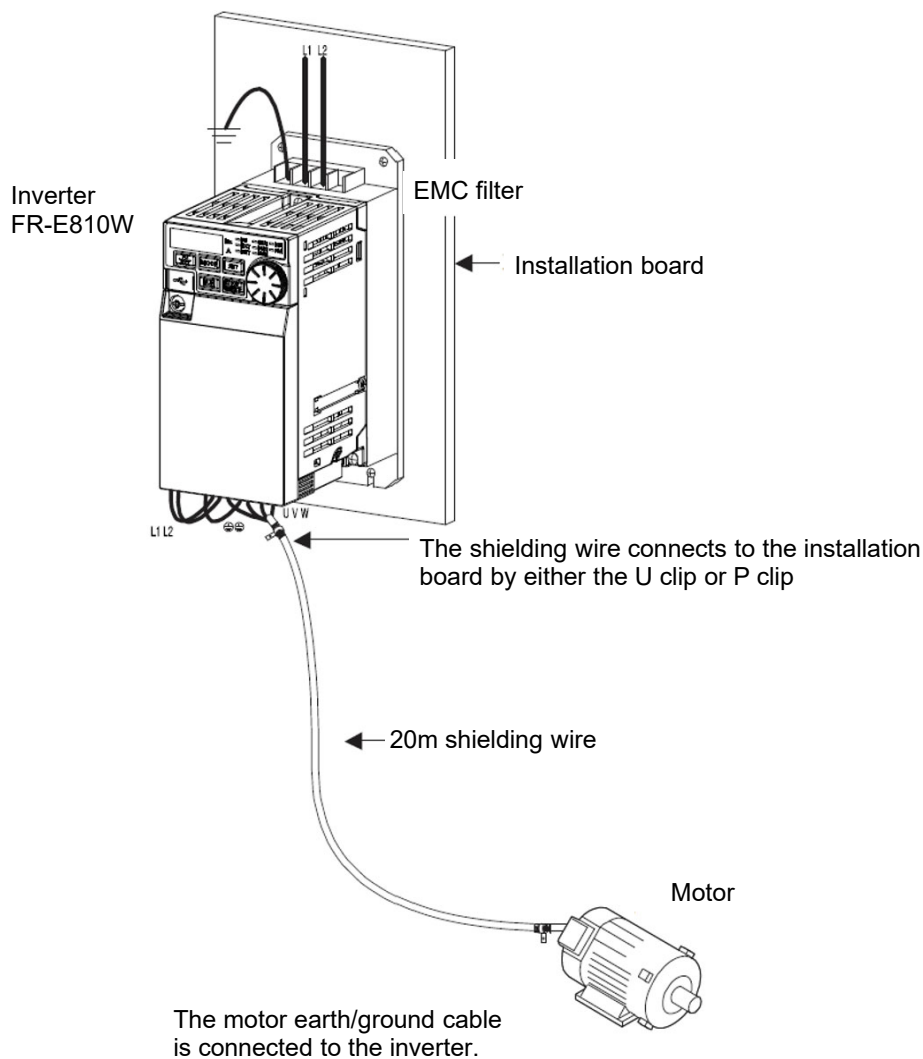
(NOTE)The following EMC data example is under the determination value of EN61800-3 as the most strict condition.

Output interconnection (motor) length :20m

Output cable type :Shielded cable

Inverter frequency :30Hz

Carrier frequency :Indicated above each graph



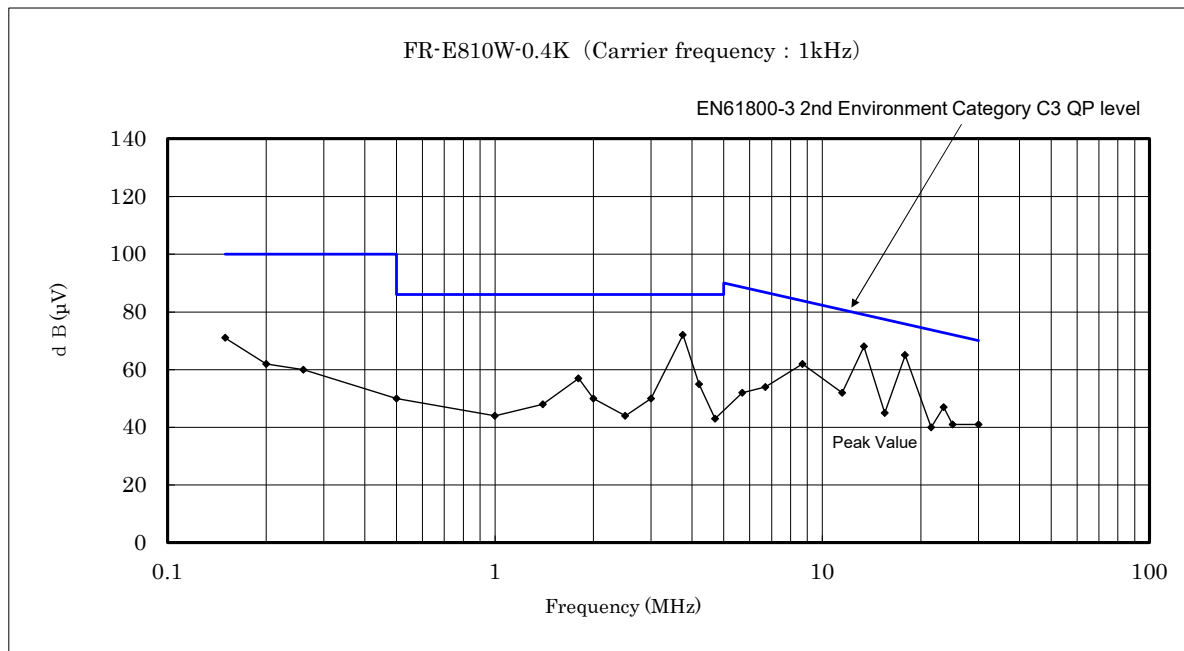
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

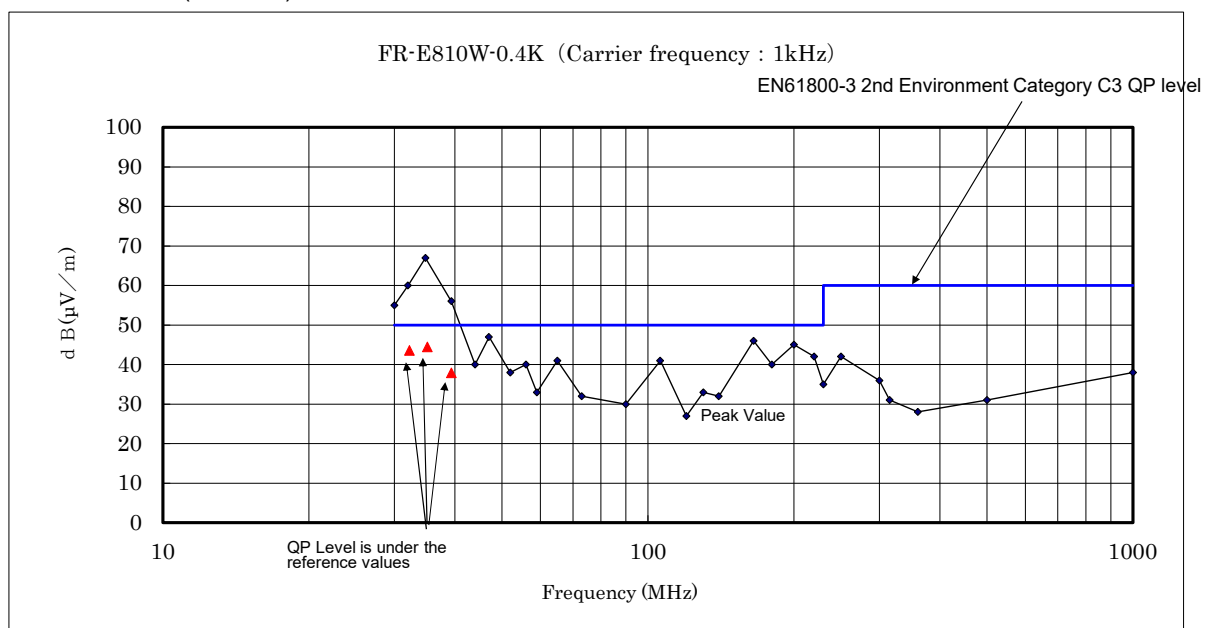
FR-E810W-0.4K、FR-S5NFSA-0.75K

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

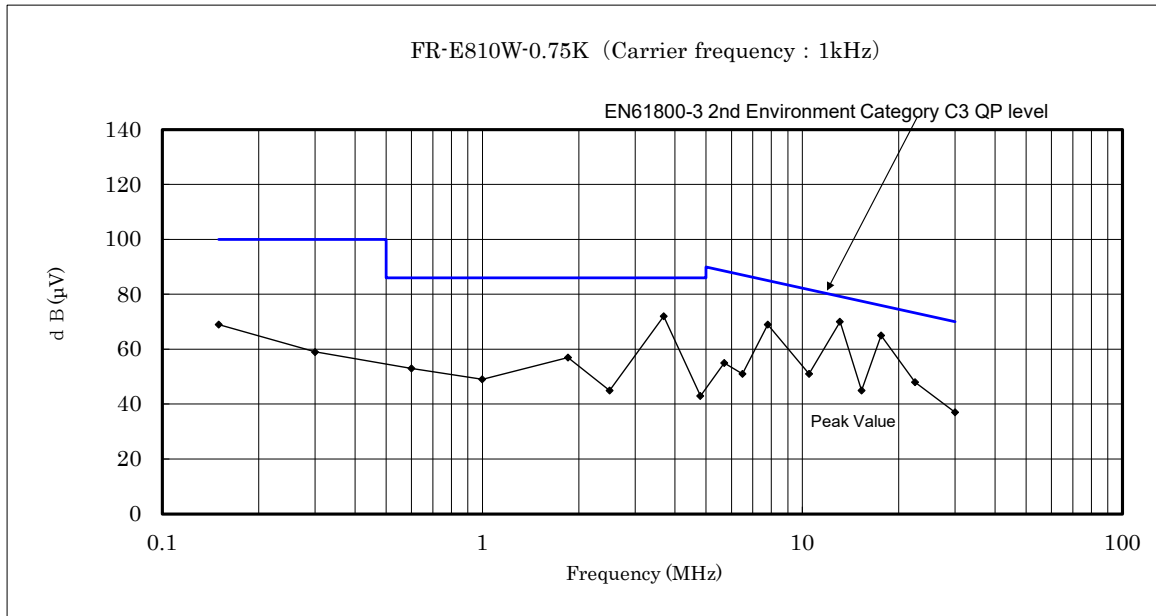
MODELS: FR-E800

TITLE: EMC DATA EXAMPLE (FR-E820/FR-E820S/FR-E810W)

EXAMPLE OF MEASUREMENT RESULTS

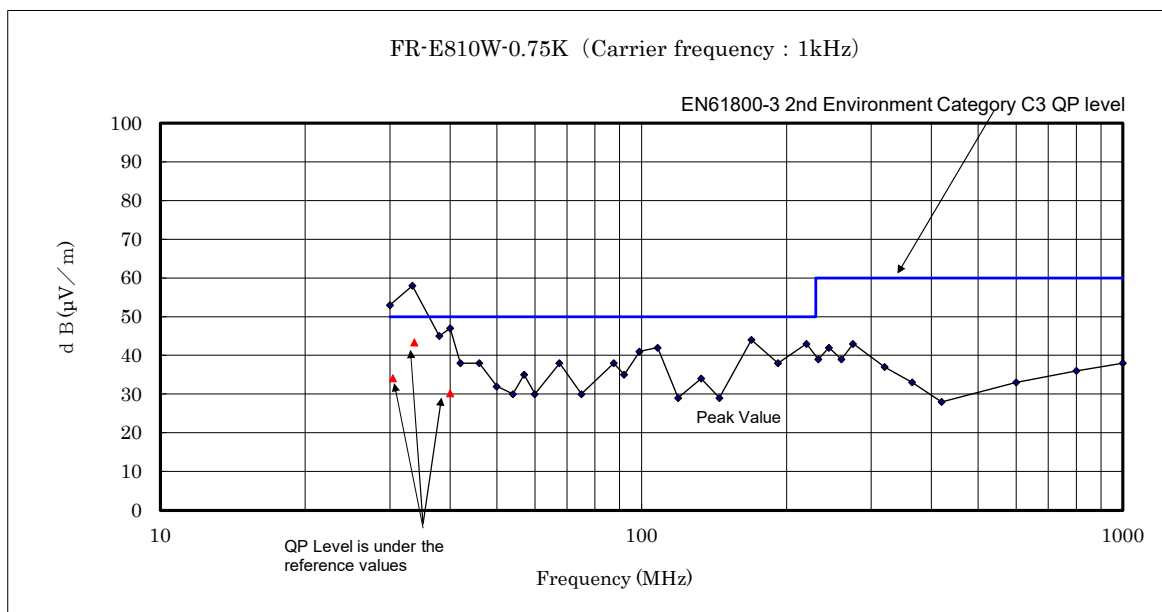
FR-E810W-0.75K、FR-S5NFSA-1.5K

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