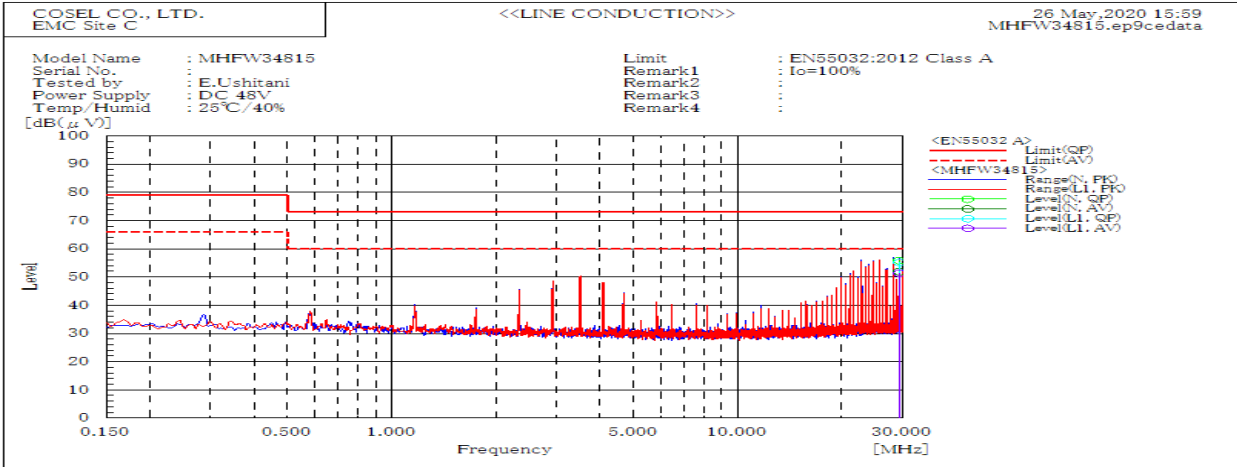
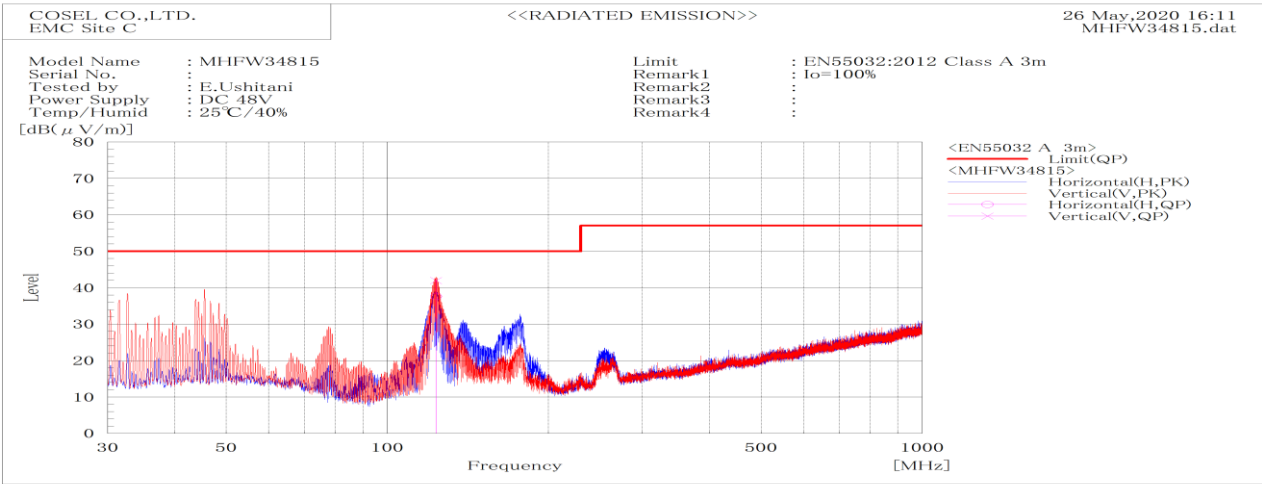


| DATA SHEET | | Date | 04-Jun-20 |
|------------|--|-----------|------------|
| Model | MHFW34815 | Temp. | 25 degreeC |
| Test | EMI Line conduction & Radiated emission | Humid. | 40 %RH |
| | | Tested by | E.Ushitani |



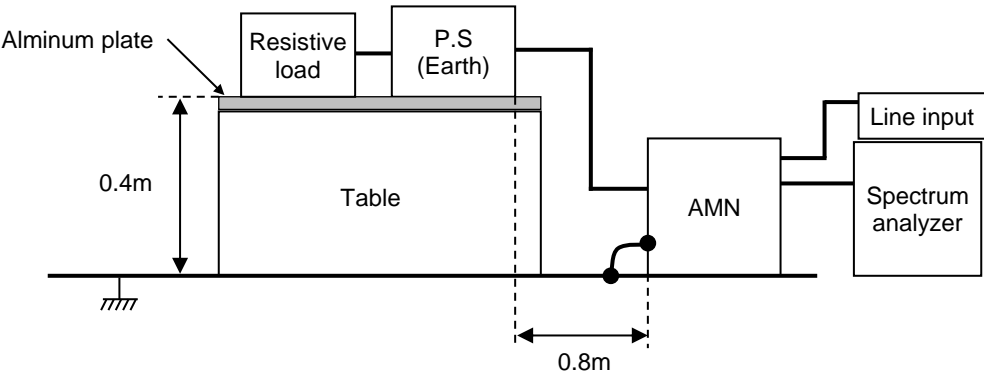
| Frequency MHz | Line | Level dB(μV) | | Limit dB(μV) | | Margin dB | | Pass/Fail | Remark |
|------------------|------|-----------------|------|-----------------|----|--------------|-----|-----------|--------|
| | | QP | AV | QP | AV | QP | AV | | |
| 29.219 | L1 | 55.2 | 51.3 | 73 | 60 | 17.8 | 8.7 | Pass | |
| 29.219 | N | 55.8 | 51.9 | 73 | 60 | 17.2 | 8.1 | Pass | |



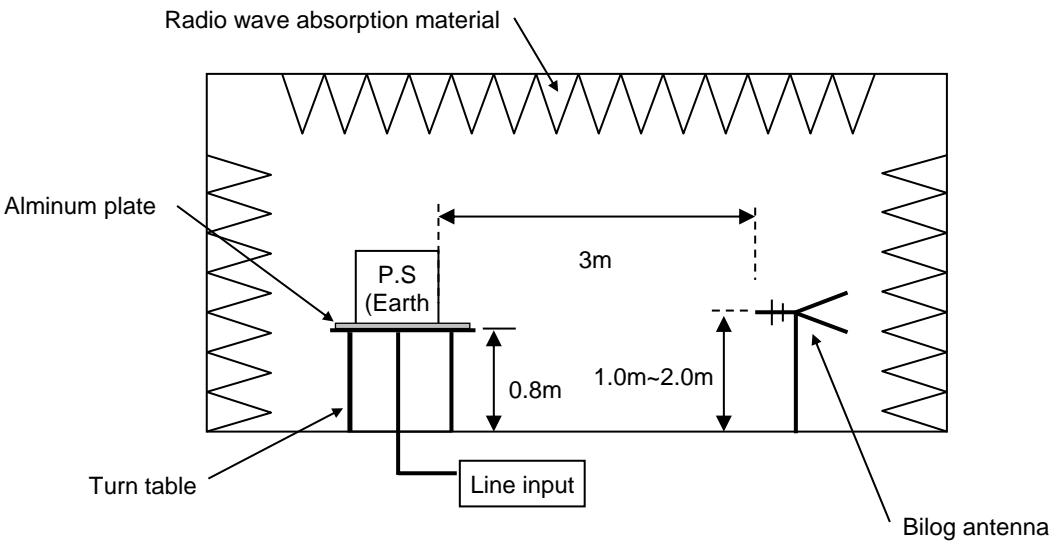
| Frequency MHz | Polarization | Stability | Level dB(uV/m) | Limit dB(uV/m) | Margin dB | Pass/Fail | Height cm | Angle deg | Remark |
|------------------|--------------|-----------|-------------------|-------------------|--------------|-----------|--------------|--------------|--------|
| | | | QP | QP | QP | | | | |
| 123.349 | H | Stable | 37.6 | 50 | 12.4 | Pass | 200 | 338.8 | |
| 123.325 | V | Stable | 42 | 50 | 8 | Pass | 143.8 | 261 | |

| DATA SHEET | | Date | 04-Jun-20 |
|------------|--|-----------|------------|
| Model | Circuit used for measurement | Temp. | 25 degreeC |
| Test | EMI Line conduction & Radiated emission | Humid. | 40 %RH |
| | | Tested by | E.Ushitani |

1. Line conduction



2. Radiated emission

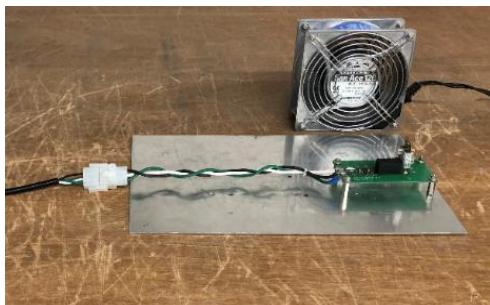


Conditions

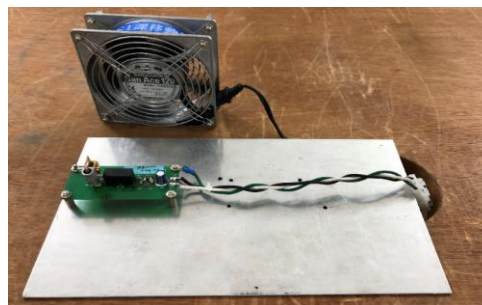
Test : EMI
Model Name: MHFW3□□

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

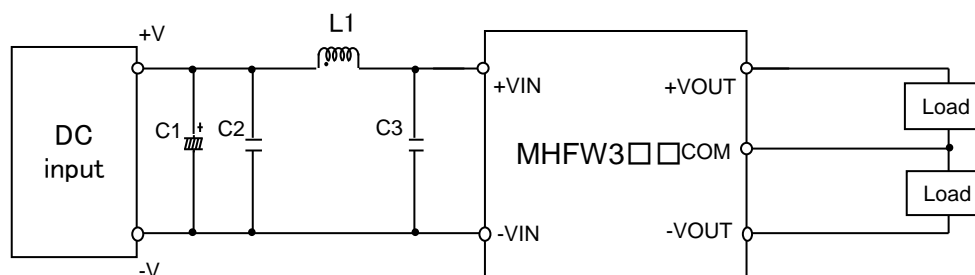


Fig.1 Testing circuitry

| | | |
|------|-----------|--|
| C1 : | MHFW312□□ | 50V 100μ F Electric capacitor (LXZseries NIPPON CHEMI-CON) |
| | MHFW324□□ | — |
| | MHFW348□□ | — |
| C2 : | MHFW312□□ | 25V 10μ F Ceramic capacitor (GRM31CR71E106K MURATA MANUFACTURING) |
| | MHFW324□□ | 50V 4.7μ F Ceramic capacitor (GRM31CR71H475K MURATA MANUFACTURING) |
| | MHFW348□□ | 100V 2.2μ F Ceramic capacitor (HMK316AC7225KLHTE TAIYO YUDEN) |
| C3 : | MHFW312□□ | 25V 10μ F Ceramic capacitor (GRM31CR71E106K MURATA MANUFACTURING) |
| | MHFW324□□ | 50V 4.7μ F Ceramic capacitor (GRM31CR71H475K MURATA MANUFACTURING) |
| | MHFW348□□ | 100V 2.2μ F Ceramic capacitor (HMK316AC7225KLHTE TAIYO YUDEN) |
| L1 : | MHFW312□□ | 1200mA 4.7μ H Inductor(LQH32PN4R7NNCL MURATA MANUFACTURING) |
| | MHFW324□□ | 900mA 10μ H Inductor(LQH32PN100MNCL MURATA MANUFACTURING) |
| | MHFW348□□ | 550mA 22μ H Inductor(LQH32PN220MNCL MURATA MANUFACTURING) |