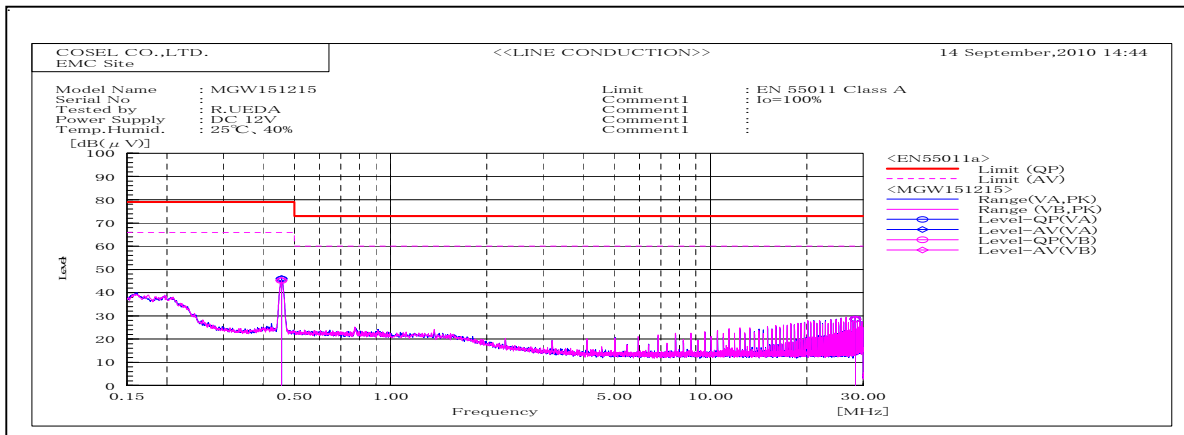
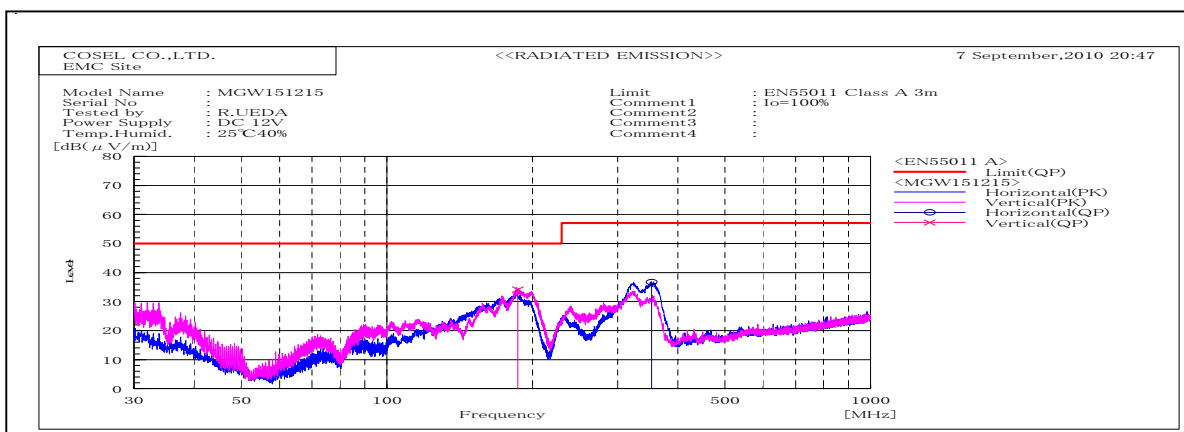


| DATA SHEET | | Date | 21-Sep-10 |
|------------|--|-----------|------------|
| Model | MGW151215 | Temp. | 25 degreeC |
| Test | EMI Line conduction & Radiated emission | Humid. | 40 %RH |
| | | Tested by | R.Ueda |



| Frequency MHz | Harm | Line Phase | Reading dB(uV) | | Factor dB | Level dB(uV) | | Limit dB(uV) | | Margin dB | | Pass/ Fail | Remark |
|------------------|------|---------------|-------------------|------|--------------|-----------------|------|-----------------|----|--------------|------|---------------|--------|
| | | | QP | AV | | QP | AV | QP | AV | QP | AV | | |
| 0.45674 | | VA | 35.8 | 36 | 10.1 | 45.9 | 46.1 | 79 | 66 | 33.1 | 19.9 | Pass | |
| 0.4562 | | VB | 35.2 | 35.3 | 10 | 45.2 | 45.3 | 79 | 66 | 33.8 | 20.7 | Pass | |
| 28.34605 | | VB | 17.7 | 17.5 | 11 | 28.7 | 28.5 | 73 | 60 | 44.3 | 31.5 | Pass | |
| 28.34325 | | VA | 18 | 17.9 | 10.7 | 28.7 | 28.6 | 73 | 60 | 44.3 | 31.4 | Pass | |

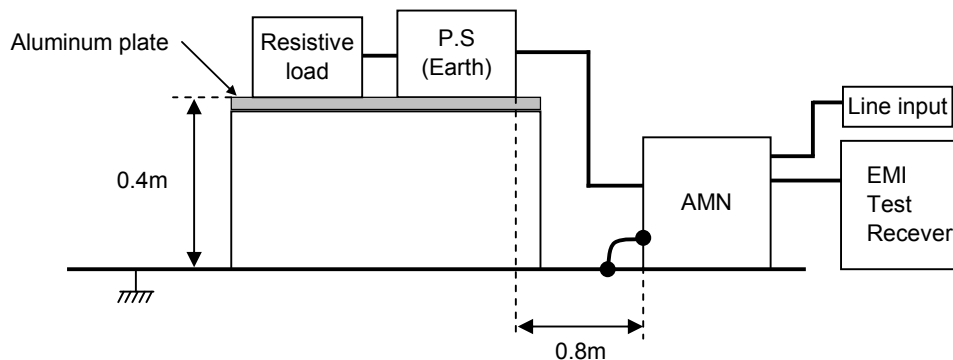


| Frequency MHz | Polarization | Stability | Reading dB(uV) | | Space Loss dB | Level dB(mW) | | Limit dB(mW) | Margin dB | Pass/Fail | Height cm | Angle deg | Remark |
|------------------|--------------|-----------|-------------------|-------|---------------------|-----------------|----|-----------------|--------------|-----------|--------------|--------------|--------|
| | | | QP | AV | | QP | AV | | | | | | |
| 186.387 | V | Stable | 56.3 | -22.2 | | 34.1 | | 50 | 15.9 | Pass | 125 | 276 | |
| 353.046 | H | Stable | 52.9 | -16.2 | | 36.7 | | 57 | 20.3 | Pass | 108 | 154 | |

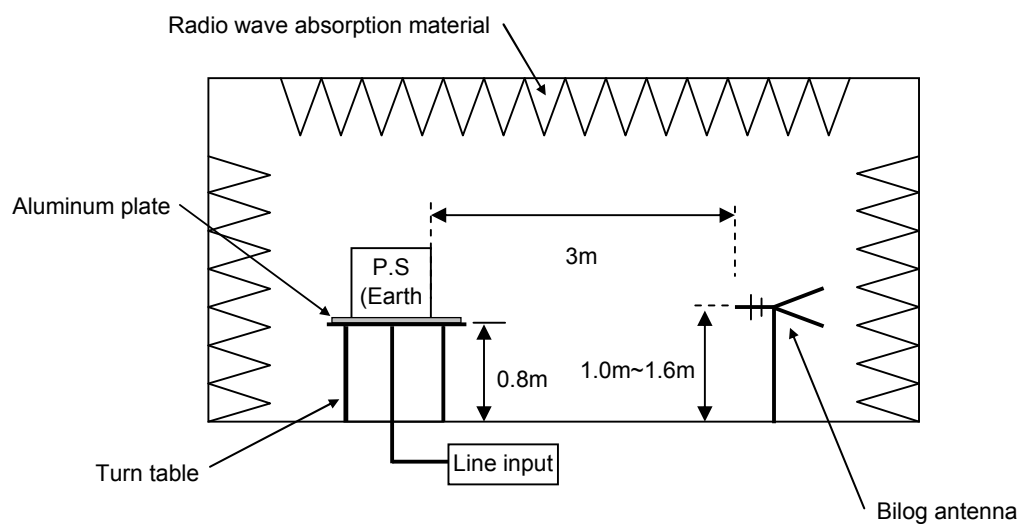
DATA SHEET

| | |
|-------|--|
| Model | Circuit used for measurement |
| Test | EMI Line conduction & Radiated emission |

1. Line conduction



2. Radiated emission



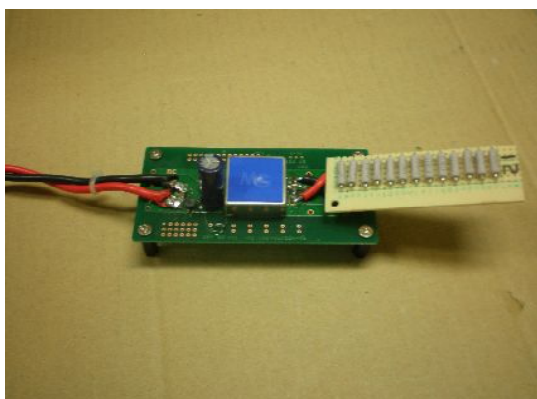


Conditions

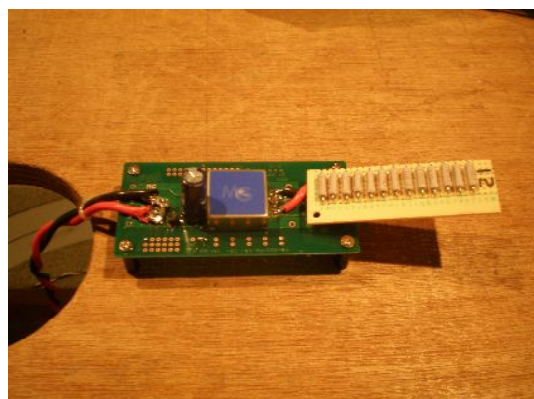
Test : EMI
Model Name : MGS1512□□/MGW1512□□

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

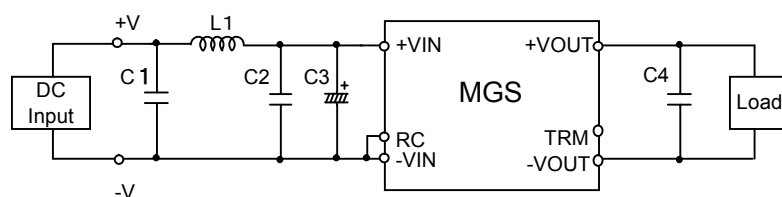


Fig.1 Testing circuitry 1

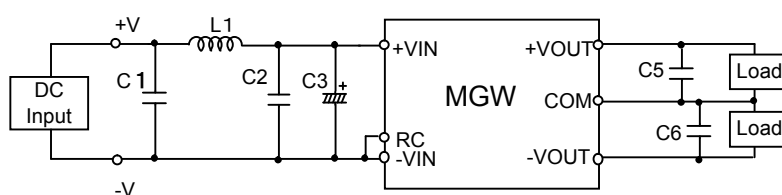


Fig.2 Testing circuitry 2

| | | | | |
|----------|---|-----------------|-----------------|---------------------|
| L1 | : | 0.5 μ H | CI4C-0R5 | (KORIN ELECTRONICS) |
| C1,C2 | : | 25V 10 μ F | CM316X5R106K25A | (KYOCERA) |
| C3 | : | 50V 220 μ F | LXY50VB220M | (NIPPON CHEMI-CON) |
| C4,C5,C6 | : | 25V 22 μ F | CM32X5R226K25A | (KYOCERA) |