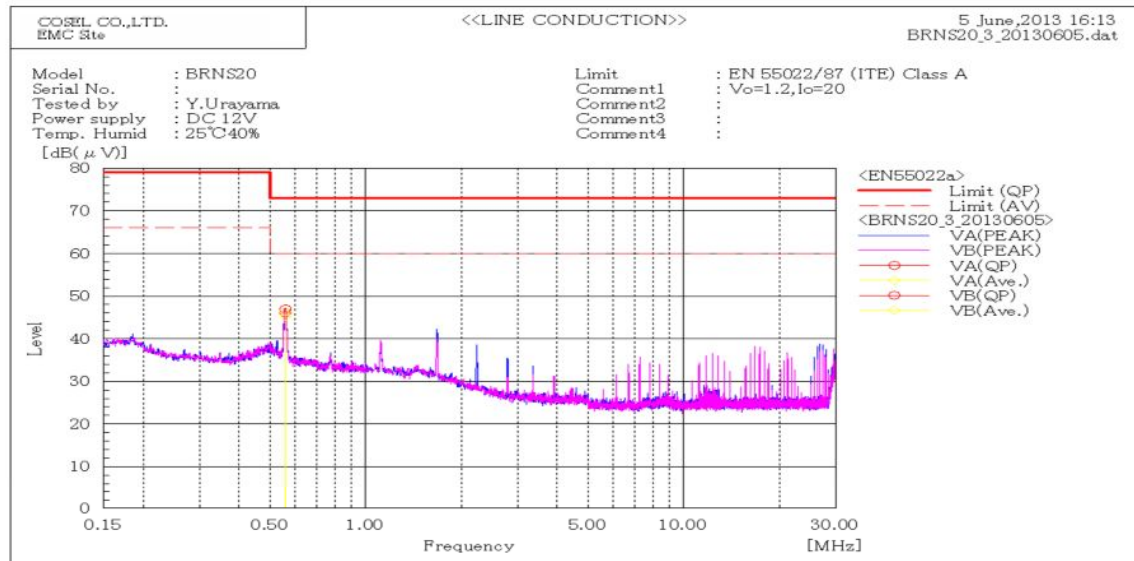
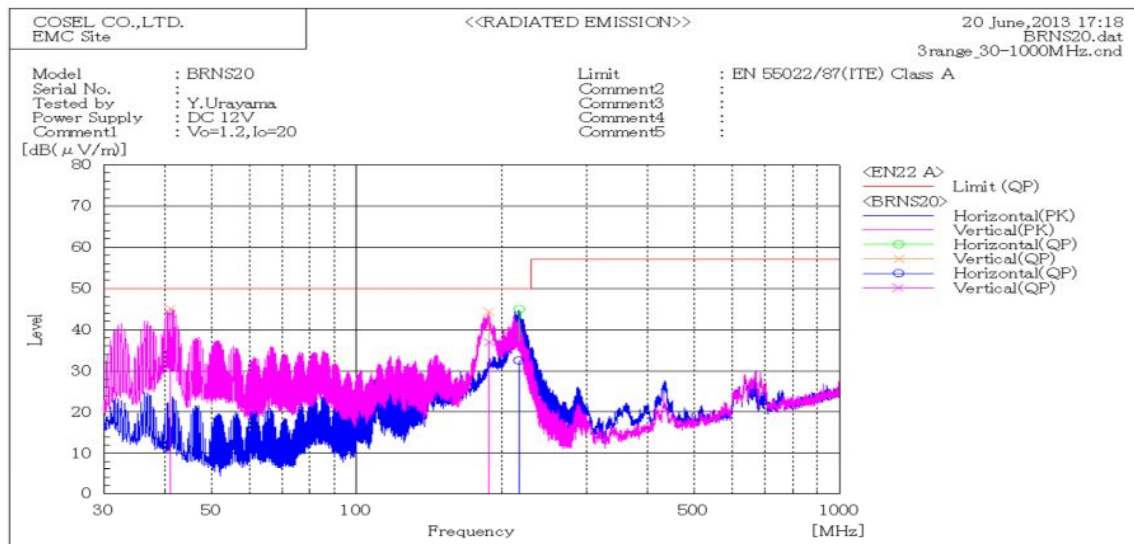


DATA SHEET

| | | | |
|-------|--------------------------------------------|-----------|------------|
| Model | BRNS20 | Date | 20-Jun-13 |
| Test | EMI Line conduction & Radiated emission | Temp. | 25 degreeC |
| | | Humid. | 40 %RH |
| | | Tested by | Y.Urayama |



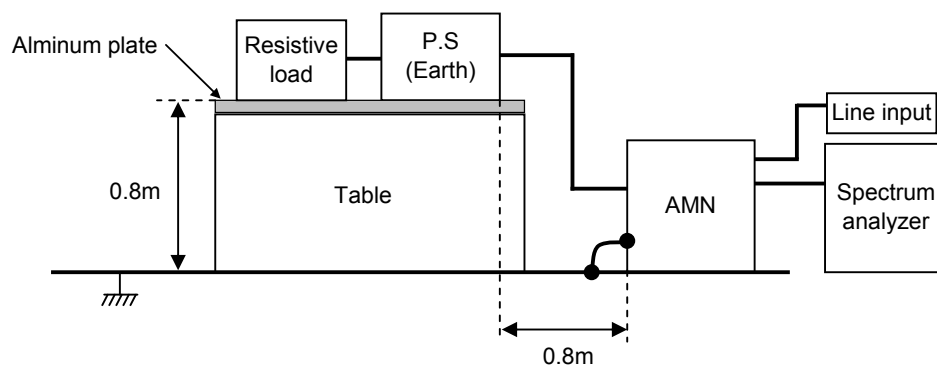
| Frequency MHz | Line Phase | Reading dB(μV) | | Factor dB | Level dB(μV) | | Limit dB(μV) | | Margin dB | | Pass/ Fail |
|------------------|---------------|-------------------|------|--------------|-----------------|------|-----------------|----|--------------|------|---------------|
| | | QP | AV | | QP | AV | QP | AV | QP | AV | |
| 0.55946 | VB | 27 | 26.4 | 20 | 47 | 46.4 | 73 | 60 | 26 | 13.6 | Pass |
| 0.55899 | VA | 26.1 | 25.3 | 20 | 46.1 | 45.3 | 73 | 60 | 26.9 | 14.7 | Pass |



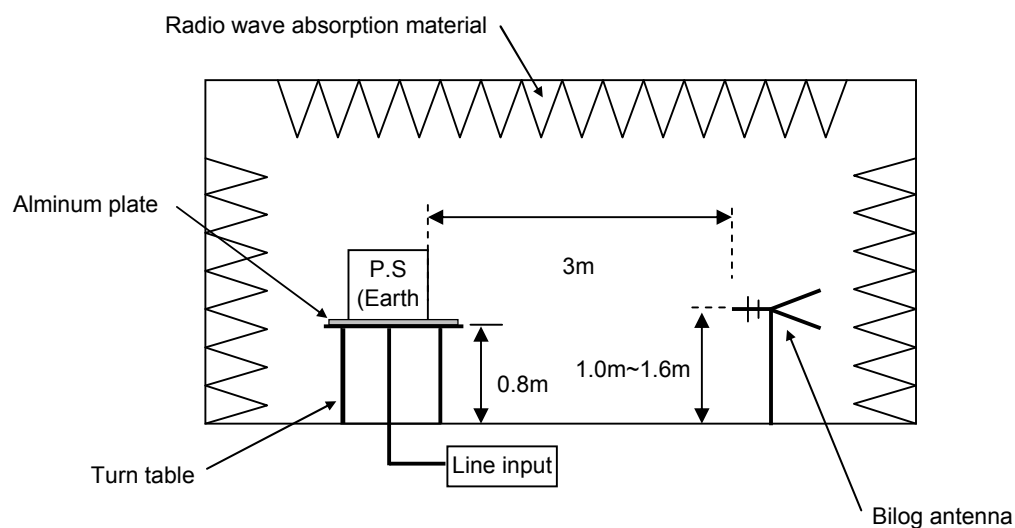
| Frequency MHz | Polarization | Stability | Reading dB(μV) | Factor dB(1/m) | Level dB(μV/m) | Limit dB(μV/m) | Margin dB | Pass/Fail | Height cm | Angle deg |
|------------------|--------------|-----------|-------------------|-------------------|-------------------|-------------------|--------------|-----------|--------------|--------------|
| | | | QP | | QP | QP | QP | | | |
| 41.109 | V | Stable | 59.4 | -15.6 | 43.8 | 50 | 6.2 | Pass | 108 | 344 |
| 187.992 | V | Stable | 52.8 | -15.9 | 36.9 | 50 | 13.1 | Pass | 104 | 350 |
| 216.837 | H | Stable | 53.1 | -20.6 | 32.5 | 50 | 17.5 | Pass | 119 | 268 |

| DATA SHEET | | Date | 20-Jun-13 |
|------------|--------------------------------------------|-----------|------------|
| Model | Circuit used for measurement | Temp. | 25 degreeC |
| Test | EMI Line conduction & Radiated emission | Humid. | 40 %RH |
| | | Tested by | Y.Urayama |

1. Line conduction



2. Radiated emission

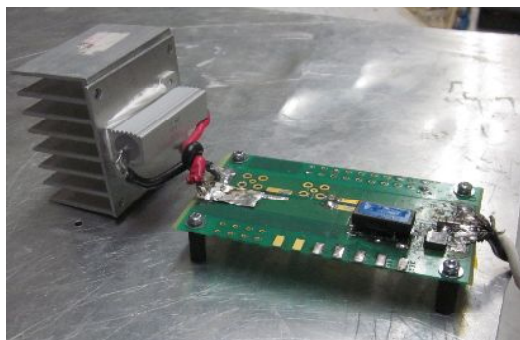


Conditions

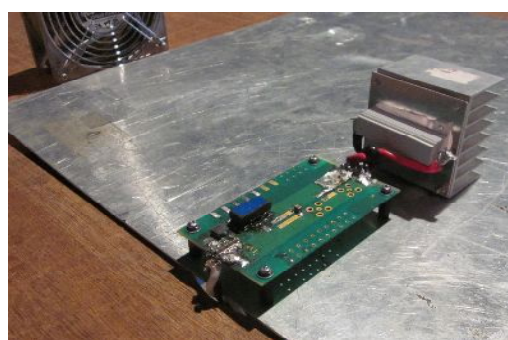
Test : EMI
Model Name : BRNS20

○Photographs of Test Set-Up

LINE CONDUCTION

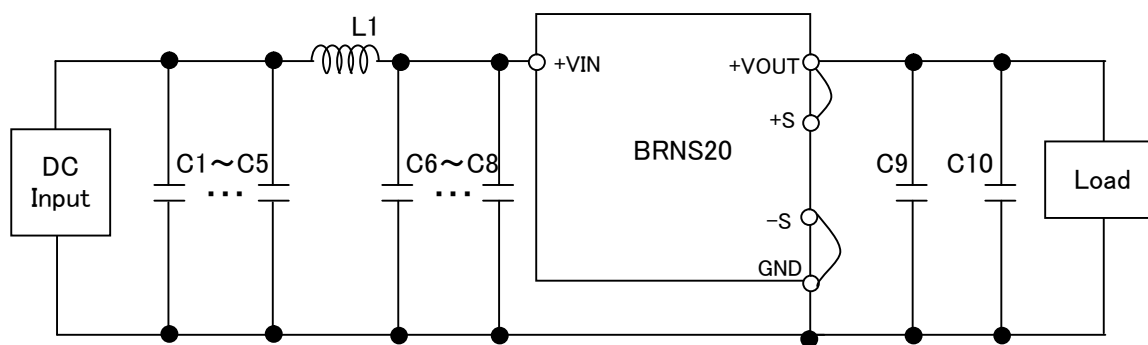


RADIATED EMISSION



○Testing circuitry

○Test Circuit



| | | | |
|---------|---------------|--------------|-------------------|
| C1~C5 | : 16V | 22 μ F | Ceramic capacitor |
| C6~C8 | : 16V | 22 μ F | Ceramic capacitor |
| C9, C10 | : 6.3V | 100 μ F | Ceramic capacitor |
| L1 | : 0.2 μ H | PCMB063T-0R2 | (SUSUMU CO.,LTD.) |