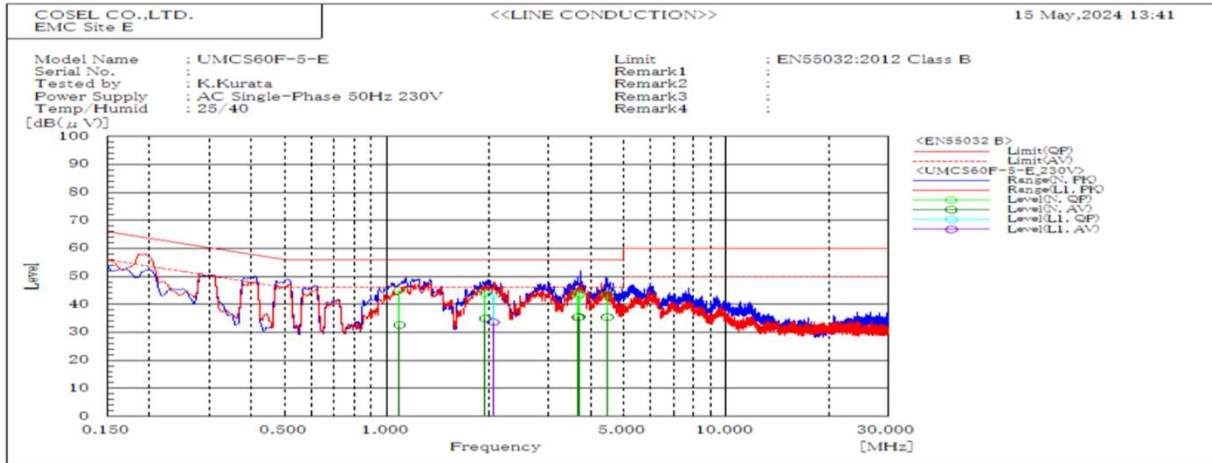
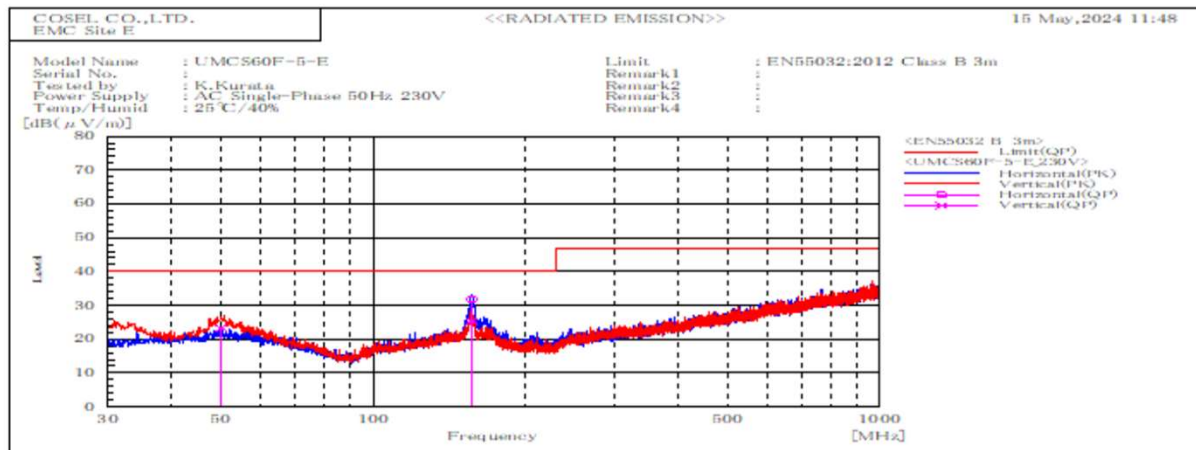


| DATA SHEET |  | Date      | 27-Aug-24  |
|------------|--|-----------|------------|
| Model      | UMCS60F-5-E                                | Temp.     | 25 degreeC |
| Test       | EMI<br>Line conduction & Radiated emission | Humid.    | 40 %RH     |
|            |  | Tested by | K.Kurata   |



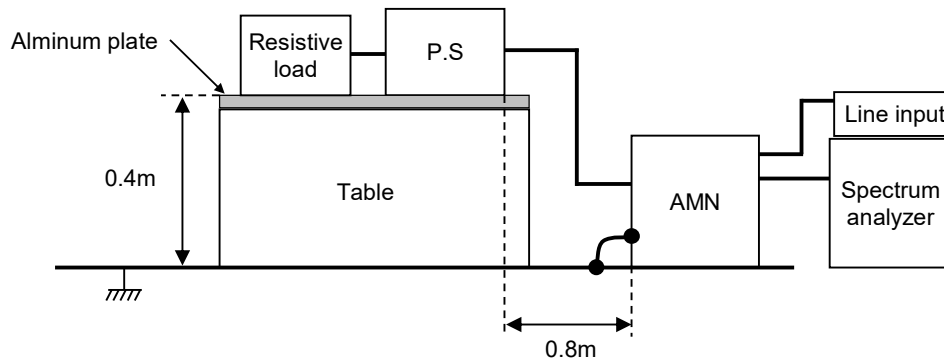
| Frequency | Line | Level  |      | Limit  |    | Margin |      | Pass/Fail | Remark |
|-----------|------|--------|------|--------|----|--------|------|-----------|--------|
| MHz       |      | dB(μV) |      | dB(μV) |    | dB     |      |           |        |
|           |      | QP     | AV   | QP     | AV | QP     | AV   |           |        |
| 1.091     | N    | 45     | 32.7 | 56     | 46 | 11     | 13.3 | Pass      |        |
| 3.66      | N    | 43.1   | 35.4 | 56     | 46 | 12.9   | 10.6 | Pass      |        |
| 3.681     | N    | 43.8   | 35.5 | 56     | 46 | 12.2   | 10.5 | Pass      |        |
| 4.462     | N    | 43.5   | 35.5 | 56     | 46 | 12.5   | 10.5 | Pass      |        |
| 1.95      | N    | 44     | 35   | 56     | 46 | 12     | 11   | Pass      |        |
| 2.055     | L1   | 43.4   | 33.6 | 56     | 46 | 12.6   | 12.4 | Pass      |        |



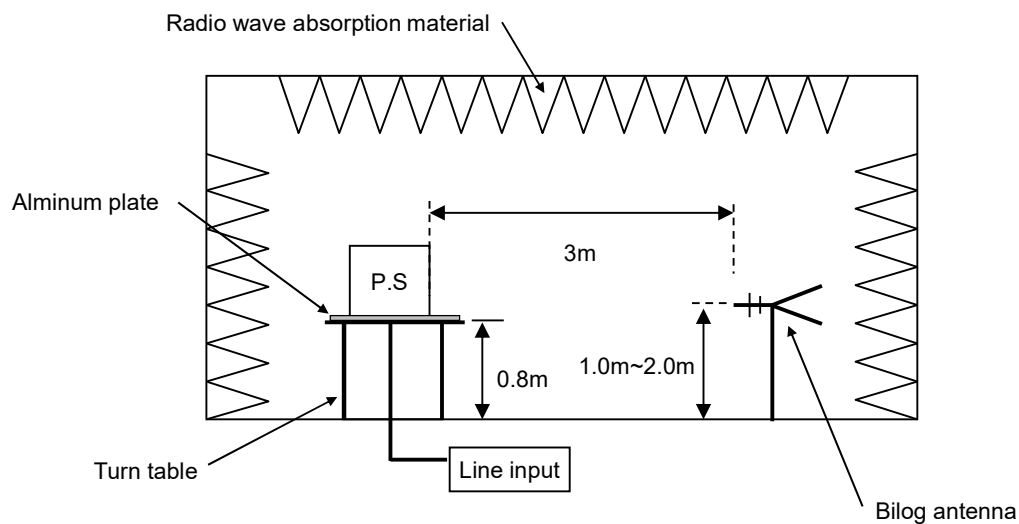
| Frequency | Polarization | Stability | Level    | Limit    | Margin | Pass/Fail | Height | Angle | Remark |
|-----------|--------------|-----------|----------|----------|--------|-----------|--------|-------|--------|
| MHz       |              |           | dB(μV/m) | dB(μV/m) | dB     |           |        |       |        |
|           |              |           | QP       | QP       | QP     |           | cm     | deg   |        |
| 50.115    | V            | Stable    | 23.3     | 40       | 16.7   | Pass      | 100    | 350.8 |        |
| 156.64    | H            | Stable    | 31.7     | 40       | 8.3    | Pass      | 200    | 21.8  |        |
| 156.485   | V            | Stable    | 25.3     | 40       | 14.7   | Pass      | 200    | 117.2 |        |

| DATA SHEET |  | Date      | 27-Aug-24  |
|------------|--|-----------|------------|
| Model      | Circuit used for measurement               | Temp.     | 25 degreeC |
| Test       | EMI<br>Line conduction & Radiated emission | Humid.    | 40 %RH     |
|            |  | Tested by | K.Kurata   |

### 1. Line conduction



### 2. Radiated emission



**Conditions**

Test : EMI  
Model Name : UMCS60F-5-E

○Photographs of Test Set-Up

**LINE CONDUCTION**



**RADIATED EMISSION**

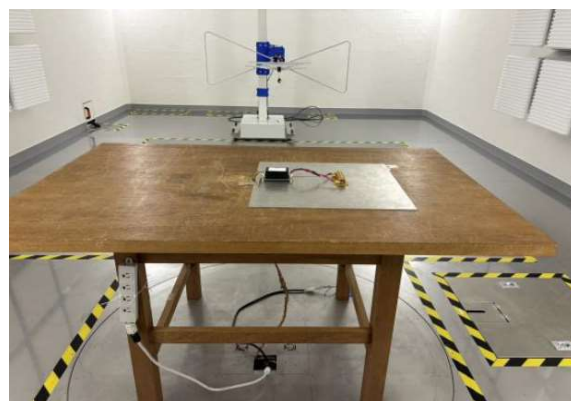


Fig.1 Testing circuitry