GENESYS™ 1.7kW

EMI

DATA

<table>
<thead>
<tr>
<th>APPD</th>
<th>CHK</th>
<th>DWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sergey M</td>
<td>URL M</td>
<td>Michael G.</td>
</tr>
</tbody>
</table>

TDK-LAMBDA
The above data is typical value data.
The values are considered to be actual capability data.
1. Test Method

(1) Conducted Emission

EMI TEST RECEIVER
ESPI (ROHDE & SCHWARZ)
LISN
ENV4200 (ROHDE & SCHWARZ)

(2) Radiated Emission

SPECTRUM ANALYZER
EMI TEST RECEIVER
BICONICAL ANTENNA
LOG-PERIODIC ANTENNA
MS2601A
85462A
3110BA30/200
LP200000
(ANRITSU)
(HEWLETT. PACKARD)
(EMCO)
(EFFECTOMETRIX)
(EFFECTOMETRIX)
2. Test Data

2.1 Conducted Emission

| MODEL: G10-170 1P |

(1) Test condition

- Input voltage/frequency: 1PHASE 100VAC/50Hz
- Output current: 100%
- Output voltage: 100%
- Ambient temperature: 25°C
- Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBμV</td>
<td>dBμV</td>
<td>dBμV</td>
</tr>
<tr>
<td>L</td>
<td>0.23685</td>
<td>45.37</td>
<td>52.21</td>
<td>6.84</td>
</tr>
<tr>
<td>N</td>
<td>0.23708</td>
<td>44.33</td>
<td>52.20</td>
<td>7.87</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: G10-170 1P

Vin: 1PHASE  100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line

Neutral
2. Test Data

2.1 Conducted Emission

**MODEL: G10-170 1P**

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz  
Output current: 100%  
Output voltage: 100%  
Ambient temperature: 25°C  
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>0.23708</td>
<td>45.19</td>
<td>52.20</td>
<td>7.01</td>
</tr>
<tr>
<td>N</td>
<td>0.23708</td>
<td>44.43</td>
<td>52.20</td>
<td>7.77</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: G10-170 1P

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

- EN55022-B (QP)
- EN55022-B (AV)
- FCC Class B

150 kHz  | 1 MHz  | 10 MHz  | 30 MHz
---|---|---|---
Line dBuV
Neutral dBuV

TDK-LAMBDA

R-5
2. Test Data

2.1 Conducted Emission

| MODEL: G60-28 1P |

(1) Test condition

- Input voltage/frequency: 1PHASE 100VAC/50Hz
- Output current: 100%
- Output voltage: 100%
- Ambient temperature: 25 °C
- Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>0.18971</td>
<td>43.61</td>
<td>54.05</td>
<td>10.44</td>
</tr>
<tr>
<td>N</td>
<td>0.23685</td>
<td>43.80</td>
<td>52.21</td>
<td>8.41</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

- MODEL: G60-28 1P

**Line**

**Neutral**

EN55022-B (QP)
EN55022-B (AV)
FCC Class B
2. Test Data

2.1 Conducted Emission

**MODEL: G60-28 1P**

(1) Test condition

<table>
<thead>
<tr>
<th>Input voltage/frequency:</th>
<th>1PHASE 230VAC/50Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output current:</td>
<td>100%</td>
</tr>
<tr>
<td>Output voltage:</td>
<td>100%</td>
</tr>
<tr>
<td>Ambient temperature:</td>
<td>25°C</td>
</tr>
<tr>
<td>Regulation:</td>
<td>FCC Class B, IEC61204-3</td>
</tr>
</tbody>
</table>

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>0.18877</td>
<td>42.92</td>
<td>54.09</td>
<td>11.17</td>
</tr>
<tr>
<td>N</td>
<td>0.23708</td>
<td>43.28</td>
<td>52.20</td>
<td>8.92</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

| MODEL: G60-28 1P |

Conditions: Vin: 1PHASE 230VAC  
Iout: 100%  
Vout: 100%  
Ta: 25°C

EN55022-B (QP)  
EN55022-B (AV)  
FCC Class B

EN55022-B (QP)  
EN55022-B (AV)  
FCC Class B
2. Test Data

2.1 Conducted Emission

| MODEL: G150-11.2 1P |

(1) Test condition

<table>
<thead>
<tr>
<th>Input voltage/frequency:</th>
<th>1PHASE 100VAC/50Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output current:</td>
<td>100%</td>
</tr>
<tr>
<td>Output voltage:</td>
<td>100%</td>
</tr>
<tr>
<td>Ambient temperature:</td>
<td>25 °C</td>
</tr>
<tr>
<td>Regulation:</td>
<td>FCC Class B, IEC61204-3</td>
</tr>
</tbody>
</table>

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>26.00536</td>
<td>43.60</td>
<td>50.00</td>
<td>6.40</td>
</tr>
<tr>
<td>N</td>
<td>26.00536</td>
<td>42.62</td>
<td>50.00</td>
<td>7.38</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: G150-11.2 1P

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C
2. Test Data

2.1 Conducted Emission

**MODEL: G150-11.2 1P**

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>26.00536</td>
<td>43.63</td>
<td>50.00</td>
<td>6.37</td>
</tr>
<tr>
<td>N</td>
<td>26.00536</td>
<td>42.68</td>
<td>50.00</td>
<td>7.32</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: G150-11.2 1P

Conditions: Vin: 1PHASE 230VAC
            Iout: 100%
            Vout: 100%
            Ta: 25°C

EN55022-B (QP)
EN55022-B (AV)
FCC Class B

Line

Neutral

EN55022-B (QP)
EN55022-B (AV)
FCC Class B
2. Test Data

2.1 Conducted Emission

| MODEL: G600-2.8 1P |

(1) Test condition

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input voltage/frequency</td>
<td>1PHASE 100VAC/50Hz</td>
</tr>
<tr>
<td>Output current</td>
<td>100%</td>
</tr>
<tr>
<td>Output voltage</td>
<td>100%</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>25°C</td>
</tr>
<tr>
<td>Regulation</td>
<td>FCC Class B, IEC61204-3</td>
</tr>
</tbody>
</table>

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>29.08570</td>
<td>42.36</td>
<td>50.00</td>
<td>7.64</td>
</tr>
<tr>
<td>N</td>
<td>0.23756</td>
<td>46.61</td>
<td>52.18</td>
<td>5.57</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: G600-2.8 1P

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Line

Neutral

EN55022-B (QP)
EN55022-B (AV)
FCC Class B

EN55022-B (QP)
EN55022-B (AV)
FCC Class B
2. Test Data

2.1 Conducted Emission

MODEL: G600-2.8 1P

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
Output current: 100%
Output voltage: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line. Refer to the following interference wave list and next page for spectrum data.

Interference wave list

<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
<th>LIMIT</th>
<th>MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>AV</td>
<td>AV</td>
<td>AV</td>
</tr>
<tr>
<td>L</td>
<td>29.08570</td>
<td>42.40</td>
<td>50.00</td>
<td>7.60</td>
</tr>
<tr>
<td>N</td>
<td>0.23708</td>
<td>45.71</td>
<td>52.20</td>
<td>6.49</td>
</tr>
</tbody>
</table>

FCC Class B, IEC61204-3
2. Test Data

2.1 Conducted Emission

**MODEL: G600-2.8 1P**

Conditions: Vin: 1PHASE 230VAC  
Iout: 100%  
Vout: 100%  
Ta: 25°C

**Line**

**Neutral**

- EN55022-B (QP)
- EN55022-B (AV)
- FCC Class B
2. Test Data

2.2 Radiated Emission

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

MODEL: G10-170 1P

HORIZONTAL

VERTICAL

Frequency (MHz)

Level (dBuV/m)
2. Test Data

2.2 Radiated Emission

MODEL: G10-170 1P

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

HORIZONTAL

VERTICAL

FCC Class A
EN55022 A

TDK-LAMBDA
2. Test Data

2.2 Radiated Emission

Conditions: Vin: 1PHASE 100VAC
I_out: 100%
V_out: 100%
Ta: 25°C

MODEL: G60-28 1P

---

**HORIZONTAL**

![Graph showing radiated emissions in horizontal orientation.]

**VERTICAL**

![Graph showing radiated emissions in vertical orientation.]

---

**Frequency (MHz)**

**Level (dBuV/m)**

**EN55022A**

**FCC Class A**
2. Test Data

2.2 Radiated Emission

MODEL: G60-28 1P

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Frequency (MHz)

Level (dBuV/m)

FCC Class A
EN55022A

HORIZONTAL

VERTICAL

FCC Class A
EN55022A
2. Test Data

2.2 Radiated Emission

MODEL: G150-11.2 1P

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

HORIZONTAL

Frequency (MHz)

Level (dBuV/m)

FCC Class A
EN55022A

VERTICAL

Frequency (MHz)

Level (dBuV/m)

FCC Class A
EN55022A
2. Test Data

2.2 Radiated Emission

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

Model: G150-11.2 1P

HORIZONTAL

VERTICAL

FCC Class A
EN55022A

FCC Class A
EN55022A
2. Test Data

2.2 Radiated Emission

MODEL: G600-2.8 1P

Conditions: Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C

HORIZONTAL

Frequency (MHz)

Level (dBuV/m)

VERTICAL

Frequency (MHz)

Level (dBuV/m)
2. Test Data

2.2 Radiated Emission

MODEL: G600-2.8 1P

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C

HORIZONTAL

VERTICAL

FCC Class A
EN55022 A

TDK-LAMBDA R-25