GENESYS™
GH1.5kW
EMI
DATA

<table>
<thead>
<tr>
<th>APPD</th>
<th>CHK</th>
<th>DWG</th>
</tr>
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<tbody>
<tr>
<td>CYPRUS</td>
<td>URI M</td>
<td>MICHAEL C.</td>
</tr>
<tr>
<td>791081M</td>
<td>19/8/19</td>
<td>18.08.2019</td>
</tr>
</tbody>
</table>

TDK-LAMBDA
1. TEST METHOD ____________________________________ R-1
2. TEST DATA
   2-1. Conducted emission ____________________________ R2
   2-2. Radiated emission _____________________________ R18

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

(1) Conducted Emission

Shielded room

- EMI receiver
- EMI TEST RECEIVER: ESPI (ROHDE & SCHWARZ)
- Power supply
- LISN: ENV4200 (ROHDE & SCHWARZ)
- EUT was placed 40 cm from the nearest conductive reference plane (wall)
- Wooden table
- Power cord

(2) Radiated Emission

Anechoic chamber

- RF absorbing material
- EUT: LPA2530 (ELECTROMETRIX)
- Ground plane
- Test distance
- EMI TEST RECEIVER: 85462A (HEWLETT. PACKARD)
- Auxiliary equipment
- Power supply
- PC
- SPECTRUM ANALYZER: MS2601A (ANRITSU)
- BICONICAL ANTENNA: 3110BA30/200 (EMCO)
- LOG-PERIODIC ANTENNA: LP200000 (ELECTROMETRIX)
2. Test Data

2.1 Conducted Emission

| MODEL: GH10-150 |

(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>0.18934</td>
<td>43.65</td>
<td>54.07</td>
<td>10.42</td>
</tr>
<tr>
<td>N</td>
<td>0.23685</td>
<td>42.82</td>
<td>52.21</td>
<td>9.39</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: GH10-150

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

2.1 Conducted Emission

| MODEL: GH10-150 |

(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.

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<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>0.23732</td>
<td>41.88</td>
<td>52.19</td>
<td>10.31</td>
</tr>
<tr>
<td>N</td>
<td>0.23685</td>
<td>42.54</td>
<td>52.21</td>
<td>9.67</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: GH10-150

Conditions: Vin: 1PHASE 230VAC
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: GH60-25

(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.

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<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>0.19028</td>
<td>47.09</td>
<td>54.02</td>
<td>6.93</td>
</tr>
<tr>
<td>N</td>
<td>0.23637</td>
<td>41.17</td>
<td>52.22</td>
<td>11.05</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: GH60-25

Conditions: Vin: 1PHASE 100VAC
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

(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.

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<tr>
<td></td>
<td>MHz</td>
<td>dBμV</td>
<td>dBμV</td>
<td>dBμV</td>
</tr>
<tr>
<td>L</td>
<td>0.18915</td>
<td>46.78</td>
<td>54.07</td>
<td>7.29</td>
</tr>
<tr>
<td>N</td>
<td>0.23732</td>
<td>40.57</td>
<td>52.19</td>
<td>11.62</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

**MODEL: GH60-25**

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

**Line**

**Neutral**
2. Test Data

2.1 Conducted Emission

MODEL: GH150-10

(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>
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<tr>
<th>PHASE</th>
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<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>27.47497</td>
<td>41.21</td>
<td>50.00</td>
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<tr>
<td>N</td>
<td>27.80649</td>
<td>39.23</td>
<td>50.00</td>
<td>10.77</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

MODEL: GH150-10

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: GH150-10

(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.

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<table>
<thead>
<tr>
<th>PHASE</th>
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<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>26.71671</td>
<td>41.39</td>
<td>50.00</td>
<td>8.61</td>
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<tr>
<td>N</td>
<td>28.22651</td>
<td>39.51</td>
<td>50.00</td>
<td>10.49</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

| MODEL: GH150-10 |

Conditions: Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C
2. Test Data

2.1 Conducted Emission

MODEL: GH600-2.6

(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.

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<table>
<thead>
<tr>
<th>PHASE</th>
<th>FREQ</th>
<th>RESULT</th>
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<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>0.23637</td>
<td>43.83</td>
<td>52.22</td>
<td>8.39</td>
</tr>
<tr>
<td>N</td>
<td>28.79644</td>
<td>36.23</td>
<td>50.00</td>
<td>13.77</td>
</tr>
</tbody>
</table>
2. Test Data

2.1 Conducted Emission

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

MODEL: GH600-2.6

![Line Emission Graph]

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

![Neutral Emission Graph]

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

2.1 Conducted Emission

MODEL: GH600-2.6

(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.

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<tbody>
<tr>
<td></td>
<td>MHz</td>
<td>dBµV</td>
<td>dBµV</td>
<td>dBµV</td>
</tr>
<tr>
<td>L</td>
<td>29.14390</td>
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<td>12.52</td>
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</tbody>
</table>
2. Test Data

2.1 Conducted Emission

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

**MODEL:** GH600-2.6

**Line**

**Neutral**
2. Test Data

2.2 Radiated Emission

MODEL: GH10-150

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

Conditions: Vin: 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C
2. Test Data

2.2 Radiated Emission

MODEL: GH60-25

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

FCC Class A
EN55022A

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

FCC Class A
EN55022A
2. Test Data

2.2 Radiated Emission

MODEL: GH150-10

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

Conditions: Vin: 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C
2. Test Data

2.2 Radiated Emission

**MODEL: GH600-2.6**

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

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