

No.: DQ2300005241-E

PSE TEST REPORT

Application No: DQ2300005241-E

Name of the sample: Clothes Dryer

Client / Applicant: Ningbo LESLI Industry Co., Ltd.

Classification of test: PSE Certification Test

Test Laboratory: Ningbo Customs District Technology Center

宁波海关技术中心
Ningbo Customs District Technology Center

PSE TEST REPORT

Name of product: Clothes Dryer	Trade mark: /
Type/Model: GDZ40-301E, GDZ40-302E, GDZ45-303E, GDZ45-305E, GDZ70-503E, GDZ80-603E, GDZ70-507E, GDZ80-607E, GDZ60-506E, GDZ80-606E, GDZ60-505E, GDZ80-605E	Sample status: 100V~, 50/60Hz; 830W for GDZ40-301E, GDZ40-302E, GDZ45-303E, GDZ45-305E 1350W for GDZ70-503E, GDZ80-603E, GDZ70-507E, GDZ80-607E, GDZ60-506E, GDZ80-606E, GDZ60-505E, GDZ80-605E
Manufacturer: Ningbo LESLI Industry Co., Ltd.	Client / Applicant : Ningbo LESLI Industry Co., Ltd.
Manufacturer address: No.68,DONGWU PART,YINXIAN AVENUE, YINZHOU, NINGBO,ZHEJIANG,CHINA	Client / Applicant address: No.68,DONGWU PART,YINXIAN AVENUE, YINZHOU, NINGBO,ZHEJIANG,CHINA
Quantity of sample: 2	Sampled by: /
Sample identification: /	Sampling at (place): /
Means of receiving: Submitted by the client	Means of sampling: /
Classification of test: PSE Certification Test	Sampling date: /
Receiving date: 2023.06.27	Completing date: 2023.07.27
Tested according to: J 55014-1(H27)	Test items: /
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Test conclusion: The EUT complied with the principal</p> <p>Test result: Pass</p> </div> <div style="width: 50%; text-align: center;"> <p>Requirements of J 55014-1(H27)</p>  <p>Seal of Ningbo Customs District Technology Center</p> <p>Date of issue: 2023.07.27</p> </div> </div>	

Reviewed by: Pan Hudi



Tested by: Ding xianming



Electromagnetic Emissions			
Test Item	Class	Standard	Result
Terminal disturbance voltage (Continuous disturbance)	/	J55014-1(H27)	P
Terminal disturbance voltage (Click)	/	J55014-1(H27)	P
Disturbance power	/	J55014-1(H27)	P
Radiated disturbance	/	J55014-1(H27)	N/A
Possible test case verdicts Test case does not apply to the test object.....: N/A Test item does meet the requirement.....: P(ass) Test item does not meet the requirement.....: F(ail)			
General remarks This report shall not be reproduced except in full without the written approval of the testing laboratory. The test results presented in this report relate only to the item(s) tested. “(see remark #)” refers to a remark appended to the report. “(see Annex #)” refers to an annex appended to the report. Throughout this report a comma is used as the decimal separator.			
Comments : Tested items are Clothes Dryer for household. All models share the same working principle and critical components. They are same except power and appearance. Since two different motor incorporated on the models. So we perform full EMC tests on models GDZ80-603E and GDZ45-305E, the test results are applicable to the other models.			

Section 1 General Information

1.1 EUT General and Technical Descriptions

EUT Name:	Clothes Dryer
EUT Model:	GDZ40-301E , GDZ40-302E , GDZ45-303E , GDZ45-305E , GDZ70-503E , GDZ80-603E , GDZ70-507E , GDZ80-607E , GDZ60-506E, GDZ80-606E, GDZ60-505E, GDZ80-605E
EUT Trademark:	--
Installation Mode:	--
Input Voltage/Frequency:	100V~ 50/60Hz
Clock Frequency:	<30MHz
Input Power/Current:	830W for GDZ40-301E, GDZ40-302E, GDZ45-303E, GDZ45-305E 1350W for GDZ70-503E, GDZ80-603E, GDZ70-507E, GDZ80-607E, GDZ60-506E, GDZ80-606E, GDZ60-505E, GDZ80-605E
Output (only for power supply):	--
Power Cable Description:	3pin, with power cable
Other Cables Description:	--
I/O Ports:	--
Function(s) Description:	--
Accessories Information:	--

1.2 Details of Support Equipment(s)

Description	Manufacturer	Model No.	Connection Port	Working State
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/

1.3 EUT Photographs



GDZ80-603E



GDZ45-305E

品名:家庭用衣類乾燥機
型番: GDZ80-603E
定格電源:AC100V
定格周波数: 50/60Hz
定格消費電力:1350W
乾燥許容容量:8.0kg
IPX4



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品名:家庭用衣類乾燥機
型番: GDZ45-305E
定格電源:AC100V
定格周波数: 50/60Hz
定格消費電力:830W
乾燥許容容量:4.5kg
IPX4



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Other marking plates are same as above except for the model name, power input and dryer capacity.

Copy of marking plate

1.4 List of components that affect EMC

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
Motor	Cixi Xinhe Electrical Apparatus Factor	XDT-65	120V 50/60HZ 65W Class B	GB/T12350	Tested with appliance
Alternative Motor	Huzhou Nanxun Xinlong Motor Co., Ltd.	XD-65	120V 50/60HZ 65W Class B	GB/T12350	Tested with appliance
Filter Capacitor	Shenzhen Weidy Industrial Development Co., Ltd	MKP	0. 1 μ F 310 V~	IEC60384-14	VDE 40041066
Filter Capacitor	Shenzhen Weidy Industrial Development Co., Ltd	MKP	0. 047 μ F 310 V~	IEC60384-14	VDE 40041066
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

Section 2 Electromagnetic Emissions

2.1 Terminal Disturbance Voltage (Continuous Disturbance)

2.1.1 Terminal Disturbance Voltage Test Information

Ambient Temperature:	25℃	Relative Humidity:	50%
ATM Pressure:	102kPa	Artificial Hand:	-
Test Voltage/Frequency:	AC100V 50/60Hz	Test Frequency Range:	150kHz-30MHz
Operating Mode:	Working		

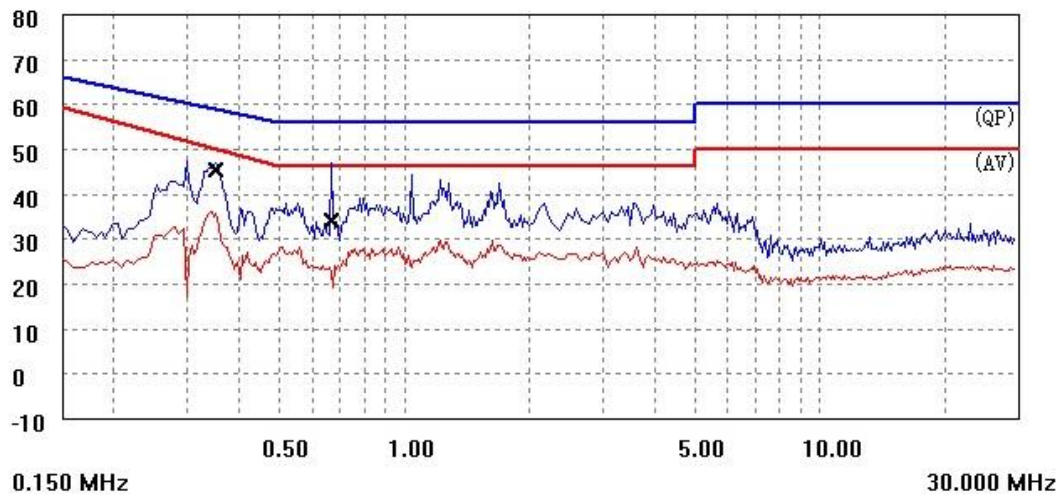
2.1.2 Measurement Equipments Used for Terminal Disturbance Voltage

Test Equipment	Model	Serial No.	Manufacturer	Cal. Due
EMI receiver	KH3939	390426	Beijing Kehuan	2024-05-23
Artificial mains network	NNB42	04/10051	Schaffner	2024-05-23
/	/	/	/	/

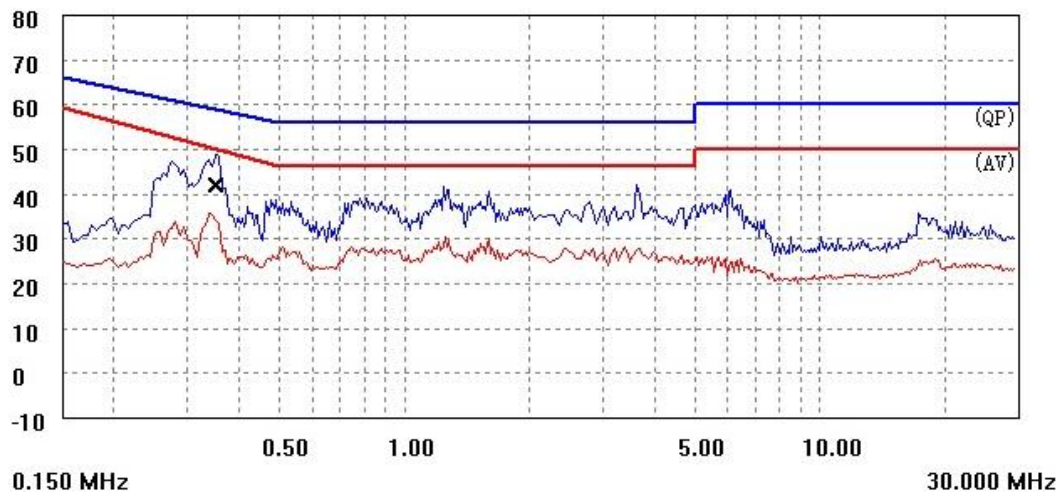
2.1.3 Test Data

Model:GDZ80-603E					
L Line					
No.	Frequency (MHz)	Corrected QP Level (dBμV)	Limits QP (dBμV)	Corrected AV Level (dBμV)	Limits AV (dBμV)
1	0.352	45.2	58.9	/	/
2	0.667	34.0	56.0	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
N Line					
No.	Frequency (MHz)	Corrected QP Level (dBμV)	Limits QP (dBμV)	Corrected AV Level (dBμV)	Limits AV (dBμV)
1	0.352	42.1	58.9	/	/
2	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

2.1.4 Test Curves



L Line Conducted Emission Graph

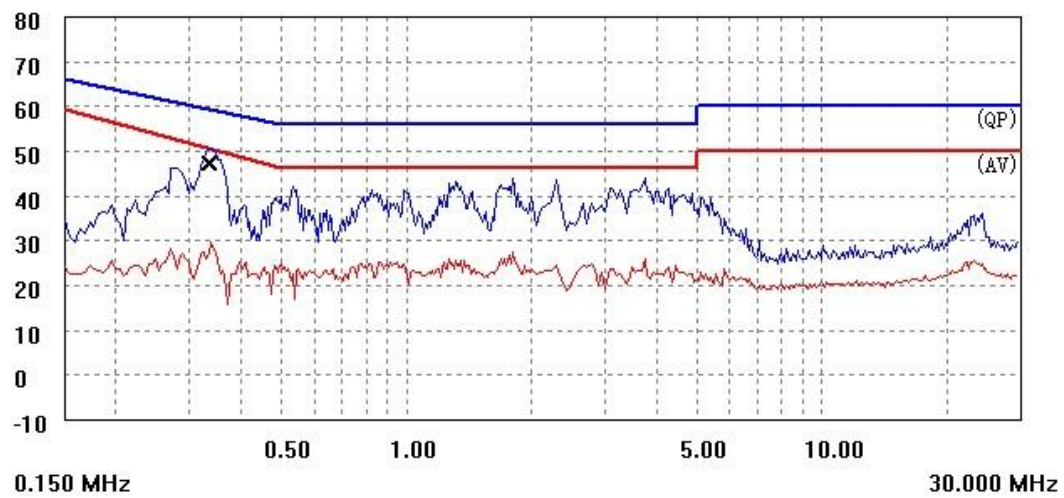


N Line Conducted Emission Graph

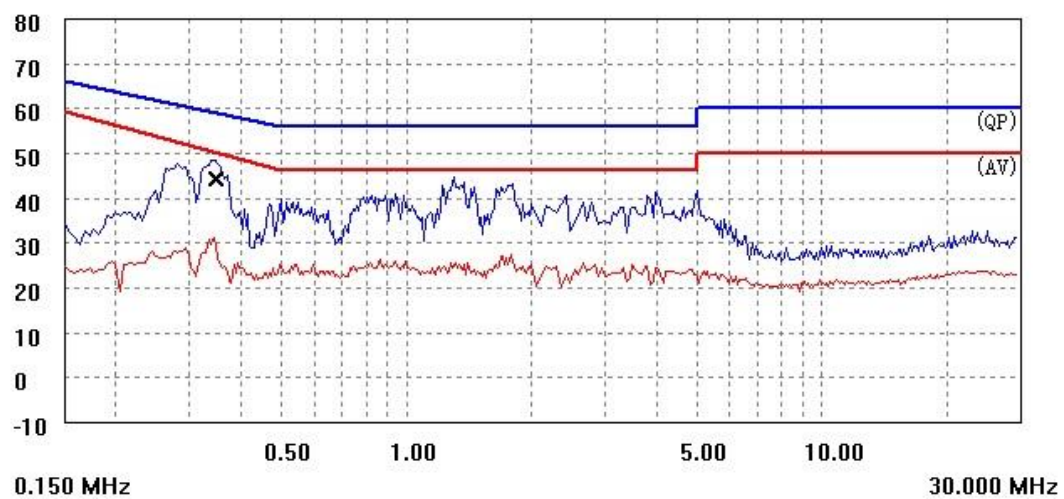
2.1.5 Test Data

Model:GDZ45-305E					
L Line					
No.	Frequency (MHz)	Corrected QP Level (dBμV)	Limits QP (dBμV)	Corrected AV Level (dBμV)	Limits AV (dBμV)
1	0.334	47.0	59.3	/	/
2	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
N Line					
No.	Frequency (MHz)	Corrected QP Level (dBμV)	Limits QP (dBμV)	Corrected AV Level (dBμV)	Limits AV (dBμV)
1	0.348	44.1	59.0	/	/
2	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

2.1.6 Test Curves



L Line Conducted Emission Graph



N Line Conducted Emission Graph

2.1.7 Test Setup



GDZ80-603E



GDZ45-305E

2.2 Terminal Disturbance Voltage (Click)**2.2.1 Terminal Disturbance Voltage Test Information**

Ambient Temperature:	25℃	Relative Humidity:	50%
ATM Pressure:	102kPa	Artificial Hand:	-
Test Voltage/Frequency:	AC100V 50/60Hz	Test Frequency Range:	150kHz-30MHz
Operating Mode:	Working		

2.2.2 Measurement Equipments Used for Terminal Disturbance Voltage

Test Equipment	Model	Serial No.	Manufacturer	Cal. Due
Click Analyzer	DIA1512D	21556	Schaffner	2024-05-23
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/

2.2.3 Test Data

Model: GDZ80-603E				
Run A Observation time T1=120 mins 0 secs				
Switching Operation :		Factor :		
Frequency (MHz)	150kHz	500kHz	1.4MHz	30MHz
Limit value (L) (dBμV)	66	56	56	60
Short clicks (≤10ms)	10	10	9	0
long clicks (10ms~20ms)	0	0	0	0
long clicks (20ms~200ms)	0	0	0	0
Total (short + long) n	10	10	9	0
Click Rate :	0.08	0.08	0.07	0.00
<input checked="" type="checkbox"/> EUT has a click rate N of not more than five and which has instantaneous switching(duration of all clicks <20ms, and 90% of them with a duration <10ms) shall be deemed to comply the limits, independent of the amplitude of the clicks.				
Run B Observation time T2=				
Frequency (MHz)	150kHz	500kHz	1.4MHz	30MHz
Limit value (L) (dBμV)	/	/	/	/

Short clicks ($\leq 10\text{ms}$)	/	/	/	/
long clicks ($10\text{ms} \sim 200\text{ms}$)	/	/	/	/
Total (short + long) n	/	/	/	/
Limit=Run A/4	/	/	/	/
Total (short + long) n	/	/	/	/
Limit=Run A/4	/	/	/	/

2.2.4 Test Data

Model: GDZ45-305E				
Run A Observation time T1=120 mins 0 secs				
Switching Operation :		Factor :		
Frequency (MHz)	150kHz	500kHz	1.4MHz	30MHz
Limit value (L) (dB μ V)	66	56	56	60
Short clicks ($\leq 10\text{ms}$)	17	18	9	0
long clicks ($10\text{ms} \sim 20\text{ms}$)	0	0	0	0
long clicks ($20\text{ms} \sim 200\text{ms}$)	0	0	0	0
Total (short + long) n	17	18	9	0
Click Rate :	0.14	0.15	0.07	0.00
<input checked="" type="checkbox"/> EUT has a click rate N of not more than five and which has instantaneous switching(duration of all clicks $< 20\text{ms}$, and 90% of them with a duration $< 10\text{ms}$) shall be deemed to comply the limits, independent of the amplitude of the clicks.				
Run B Observation time T2=				
Frequency (MHz)	150kHz	500kHz	1.4MHz	30MHz
Limit value (L) (dB μ V)	/	/	/	/
Short clicks ($\leq 10\text{ms}$)	/	/	/	/

long clicks (10ms~200ms)	/	/	/	/
Total (short + long) n	/	/	/	/
Limit=Run A/4	/	/	/	/
Total (short + long) n	/	/	/	/
Limit=Run A/4	/	/	/	/

2.2.5 Test Setup



GDZ80-603E



GDZ45-305E

2.3 Disturbance Power

2.3.1 Disturbance Power Test Information

Ambient Temperature:	25℃	Relative Humidity:	50%
ATM Pressure:	102kPa	Test Frequency Range:	30MHz-300MHz
Test Voltage/Frequency:	AC100V 50/60Hz		
Operating Mode:	Working		

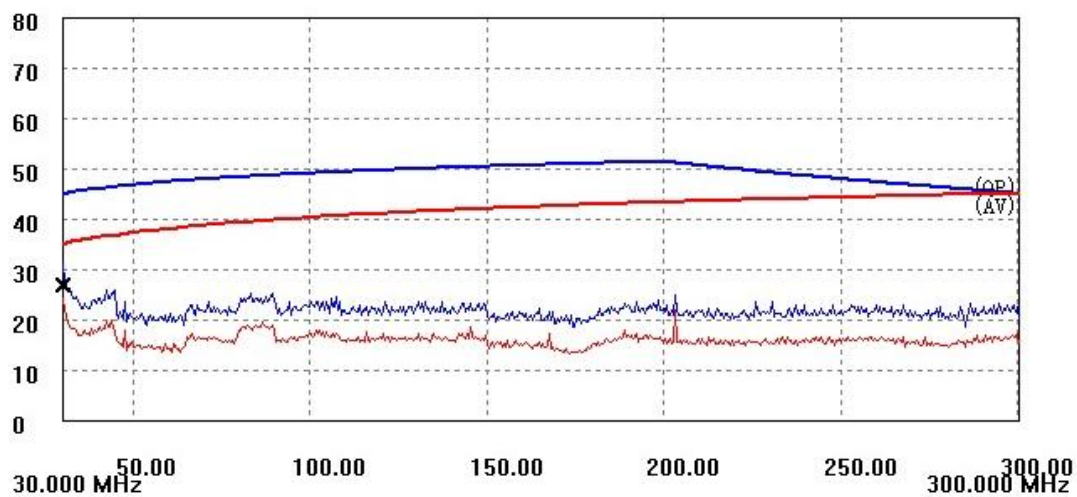
2.3.2 Measurement Equipments Used for Disturbance power

Test Equipment	Model	Serial No.	Manufacturer	Cal. Due
EMI receiver	KH3939	390426	Beijing Kehuan	2024-05-23
Absorbing clamp	AMZ41	20795	Schaffner	2024-05-23
/	/	/	/	/

2.3.3 Test Data

Model:GDZ80-603E					
AC Input Line					
No.	Frequency (MHz)	Corrected QP Level (dBpW)	Limits QP (dBpW)	Corrected AV Level (dBpW)	Limits AV (dBpW)
1	30.00	26.8	45.0	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
Interconnection Line					
No.	Frequency (MHz)	Corrected QP Level (dBpW)	Limits QP (dBpW)	Corrected AV Level (dBpW)	Limits AV (dBpW)
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

2.3.4 Test Curves

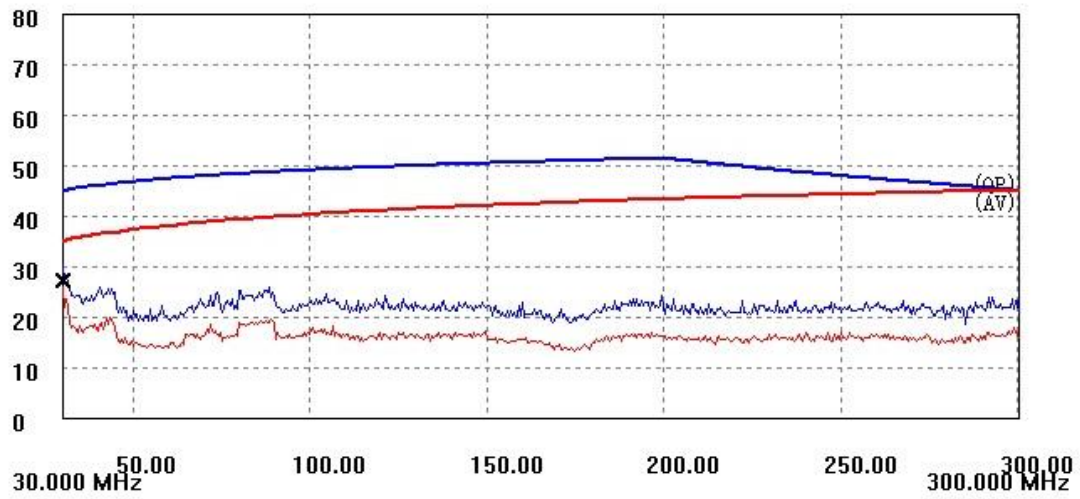


AC Input Line

2.3.5 Test Data

Model:GDZ45-305E					
AC Input Line					
No.	Frequency (MHz)	Corrected QP Level (dBpW)	Limits QP (dBpW)	Corrected AV Level (dBpW)	Limits AV (dBpW)
1	30.06	27.1	45.0	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
Interconnection Line					
No.	Frequency (MHz)	Corrected QP Level (dBpW)	Limits QP (dBpW)	Corrected AV Level (dBpW)	Limits AV (dBpW)
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

2.3.6 Test Curves



AC Input Line

2.3.7 Test Setup



GDZ80-603E



GDZ45-305E

END OF THE TEST REPORT

Declaration

This report applies to the tested sample only.

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