



TEST REPORT

SANS 941: 2020 Energy efficiency of electrical and electronic apparatus	
Report Number : Date of issue : Test Result :	TRSE01969/22 04/11/2022 Pass
Name of testing laboratory : Address :	iSERT (Pty) Ltd. 129 Khai-Apple Street, Montana, Pretoria, South Africa, 0182
Applicant's name : Address :	Parrot Products (Pty) Ltd. 22 Cleveland Rd, Cleveland, Johannesburg, 2000
Test specification Standard(s) :	SANS 941:2020 SANS 62087-1:2017 / IEC 62087-1:2015
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DOCUMENT CONTROL

Revision	Date	Author	Pages affected	Change proposal
1.0	04/11/2022	JA du Plooy	All	N/A

TEST LABORATORY INFORMATION

Established in 2017, iSERT (Pty) Ltd. Provides EMC, RF and Safety testing services by our skilled engineers. Our services employ a wide variety of advanced cutting-edge test equipment and one of the widest range of accredited standards in the country.

The site and apparatus are constructed in conformance with the requirements of CISPR 16-1-4, EN 50147-1 and other equivalent standards. The laboratory is compliant with the requirements of ISO/IEC 17025

It is our definite objective to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with the best EMC, RF & Safety testing services by knowledgeable and accommodating staff.

Our test site is located at 129 Khai-Apple Street, Montana, Pretoria, South Africa 0186.

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TEST SAMPLE DETAILS	
Test item description..... :	DLP XGA 3600 Ansi Long Throw Projector Parrot
Manufacturer :	Changsha Byintek Electronics Co. Ltd
Trademark :	
Model number(s)..... :	OP0454
Ratings..... :	100-230Vac, 50/60Hz, 2.5A
Country of Origin..... :	China

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCs that own these marks.

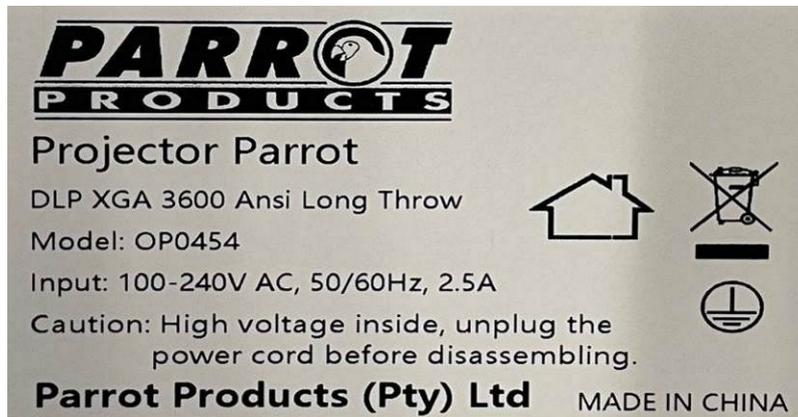


Figure 1: OP0454 Projector Marking plate

1. INTRODUCTION

This report details the results of tests performed on the Parrot Products DLP XGA 3600 Ansi Long Throw Projector Parrot with model number: OP0454. The testing was carried out on 04/11/2022 at the iSERT laboratory.

2. STANDARDS APPLIED

1. SANS 941:2014 'Energy efficiency of electrical and electronic apparatus'
2. SANS 62087-1:2017 / IEC 62087-1:2015 'Audio, video and related equipment – Determination of power consumption'

3. TEST RESULTS

Product Mode	Average power measured (W)
Active	N/A
Network	N/A
Passive Standby	0.35
The System was switched into standby mode with remote. The reading was taken 15 minutes after the power level stabilised	
Measurement method	Period (minutes)
Direct Meter Reading	15

SANS 941:2014		
Clause	Requirement + Test	Verdict

4.2	Specific requirements	
4.2.2	Audio and video equipment	C
	Power consumption of passive standby mode Measured according to SANS 62087	C
	Limits for audio, video and similar equipment < 1W	C
	Limit for set top boxes < 3W	N

C – Comply, F – Fail, N – Not applicable

4. CONCLUSION

Based on the results of our investigation, we have concluded that the EUT (in the configuration tested) complies with the requirements of the standard(s) indicated above. The results obtained in this test report are only valid for the item(s) tested. iSERT (Pty) Ltd. does not make any claims of compliance for samples or variants which were not tested.

4.1 CALIBRATION OF TEST EQUIPMENT

The calibration of the test equipment is performed by a SANAS accredited laboratory and is traceable to the national standards maintained by NMISA.

4.2 MEASUREMENT OF UNCERTAINTY

Uncertainty was calculated with the use of SANS 62301:2012 'Household electrical appliances – Measurement of standby power' Annex D: Determination of uncertainty of measurement. The uncertainty was calculated to be 0.018W.

4.3 TEST EQUIPMENT LIST

Equipment description	Serial number	Cal Date
Thurlby Thandar HA1600A Power & Harmonics analyzer	479560	05/10/2022
California Instruments Model 4503L AC Power system	HK50775	Internal Verification
Flus Humidity and temperature meter: ET-951W	2015106449	05/11/2021

4.4 TEST CONDITIONS

Description	Minimum	Maximum	Limit
Ambient Temperature	21.3°C	21.5°C	23°C ± 5°C
Relative Humidity	49%	51%	No limit
Frequency	50Hz	50Hz	± 2%
Harmonics of electric supply system	0	1.0	5%
Input Voltage	229.8 V	229.9 V	--

5. APPENDIX A: Device Images



Figure 2: OP0454 top view with plug adaptor and remote



Figure 3: OP0454 front view



Figure 4: OP0454 rear view

*** END OF REPORT ***