





ENVIRONMENTAL TEST REPORT

CUSTOMER



Baran Advanced Technologies (1986) Ltd

UNIT NAME

Tempered Black Glass, Un-Tempered Black Glass

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Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

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CUSTOMER DETAILS

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Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

DOCUMENT CONTROL

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1 // DOCUMENT HISTORY

The following table records information regarding released editions of this document and briefly describes their purpose and changes made to them.

Rev	Release Date	Author	Description of Changes	
00	May 3, 2023	Ofir Tal, Technical Writer	Purpose: Release	

2 // DOCUMENT APPROVALS

Author	May 3, 2023	Approved By	May 3, 2023
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Ofir Tal, Techni	ical Writer	Dov Carmeli, COO	

3 // OPEN ISSUES

No.	Subject/Section	Description
1.	N.A	N.A





Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

TABLE OF CONTENTS

1. INTRODUCTION	5
1.1 // PURPOSE	5
1.2 // GLOSSARY	5
1.3 // LABORATORY ENVIRONMENTAL CONDITIONS	5
1.4 // APPLICABLE DOCUMENTS	5
1.5 // TEST INSTRUMENTATION	6
1.6 // SAMPLE OVERVIEW	6
1.7 // EXECUTIVE SUMMARY	6
1.8 // LABORATORY ACCREDITATION	7
2. SOLAR RADIATION TEST	8
2.1 // UNIT UNDER TEST OVERVIEW	8
2.2 // TEST DESCRIPTION	8
2.2.1 // TEST PROCEDURE	8
2.2.2 // EXCLUSIONS FROM THE TEST METHOD	
2.3 // TEST RESULTS	9
2.4 // TEST PICTURES	10
2.5 // TEST GRAPHS	12
IST OF FIGURES	
ist of Figures	
Figure 1.1 - Sample Overview	6
Figure 2.1 – Solar Radiation Test Profile, Procedure II Steady State	9
Figure 2.2 - UUT Inside Solar Radiation Chamber	10
Figure 2.3 – UUT After Solar Radiation Test	10
Figure 2.4 – UUT After Solar Radiation Test	11
Figure 2.5 – UUT After Solar Radiation Test	11
Figure 2.6 - UUT After Solar Radiation Test	11





Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

1. INTRODUCTION

1.1 // PURPOSE

The purpose of this document is to present the environmental tests that were performed for **Tempered Black Glass**, **Un-Tempered Black Glass** at Carmel laboratory as per the applicable documents.

1.2 // GLOSSARY

Term	Description
N.A	Not Applicable
N.C	Not Controlled
PSD	Power Spectral Density
TBD	To Be Defined
RH	Relative Humidity
UUT	Unit Under Test
NCR	No Calibration Required

1.3 // LABORATORY ENVIRONMENTAL CONDITIONS

Tamanaratura	125±100C	Llungidity	50±200/DII	Air Drossuro	1010±10 mbar
Temperature	+23±10 C	пиннину	50±30%RH	All Plessure	1010±10 IIIbai

1.4 // APPLICABLE DOCUMENTS

This section contains a list of resources (e.g., documents, files) referenced by or related to this document.

Main Document Customer Requirements

// Test-Specific Sources

Test	Document
Solar Radiation	MIL STD 810G ch-1 Method 505.6 Procedure II, A1





Customer: Baran Advanced Technologies (1986) Ltd **Unit Name:** Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

1.5 // TEST INSTRUMENTATION

Test	Name	S/N	Calibration Due Date
Solar Radiation	Solar Radiation Chamber Model Yishai Tech.	001	26 December, 2023
Solar Radiation	Phyranometer-Model:CMP6	224879	21 January, 2024

1.6 // SAMPLE OVERVIEW



Figure 1.1 - Sample Overview

1.7 // EXECUTIVE SUMMARY

The following table summarizes the tests that have been performed in Carmel Environmental Test Laboratories.

Baran Advanced Technologies (1986) Ltd performed the visual and functional tests and holds the sole responsibility for the results.

Test Name	Verdict
Solar Radiation	N.A



Statement of Compliance with Test Requirements

We, Carmel Environmental Test Laboratories, declare under our sole responsibility that the Tempered Black Glass, Un-Tempered Black Glass was tested to comply with the requirements of the applicable environmental test specification.







Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

1.8 // LABORATORY ACCREDITATION

Carmel Environmental Test Laboratories Ltd. Is an accredited Laboratory by the American Association for Laboratory Accreditation – A2LA (see accreditation herein).

A2LA logo in the front page is applicable only to the tests under the scope of Carmel Environmental Test Laboratories accreditations.

Carmel Environmental Test Laboratories has A2LA accreditation to ISO/IEC 17025:2017 for test types as listed in the following link:

A http://www.a2la.org/scopepdf/2881-01.pdf



Accredited Laboratory

A2LA has accredited

CARMEL-ENVIRONMENTAL TESTS LTD.

Petach Tikva, ISRAEL

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 25th day of October 2022.

Mr. Trace McInturff, Vice President, Accreditation Services For the Accreditation Council Certificate Number 2881.01

Valid to March 31, 2024

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.





Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

2. SOLAR RADIATION TEST

2.1 // UNIT UNDER TEST OVERVIEW

Test Dates	20/04/2023 to 30/04/2023	
Customer	Baran Advanced Technologies (1986) Ltd	
Customer Rep.	Mr. Eytan Sapir	
Unit Name	Tempered Black Glass, Un-Tempered Black Glass	
Item Manufacturer	Baran Advanced Technologies (1986) Ltd	
Number of Units	4	

UUT:

1.	Tempered Glass, Black background with Bright Image and text (From manufacture A)	
2.	Un-Tempered Glass, Black background with Bright Image and text (From manufacture A)	
3.	. Un-Tempered Glass, Black background with Bright Image and text (From manufacture B)	
4.	Un-Tempered Glass, only Black background (From manufacture C)	

2.2 // TEST DESCRIPTION

2.2.1 // TEST PROCEDURE

// General Setup

Max. Temperature	+49°C
Max. Intensity	1120 W/m ²
() No. of Cycles	10

// Cycle Description

Exposure Duration	Max Exposure Intensity
20 hours	1120 W/m ²
4 hours	0 W/m ²





Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

Temperatures in ^oC; solar radiation in W/m²

Constant temperature at 49°C

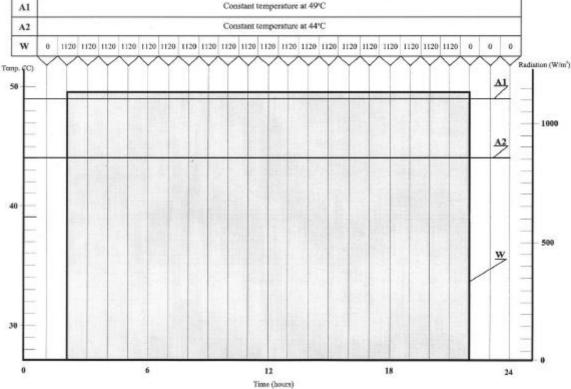


Figure 2.1 - Solar Radiation Test Profile, Procedure II Steady State

2.2.2 // EXCLUSIONS FROM THE TEST METHOD

Not Applicable.

2.3 // TEST RESULTS

The customer is responsible to conduct a visual & functional inspection in order to determine the quality of the test item at the end of the test.







Unit Name: Tempered Black Glass,

Un-Tempered Black Glass Doc No.: 2122A15335, Rev (00)

2.4 // TEST PICTURES



Figure 2.2 - UUT Inside Solar Radiation Chamber

UUT after Test













Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)





Figure 2.4 - UUT After Solar Radiation Test





Figure 2.5 – UUT After Solar Radiation Test

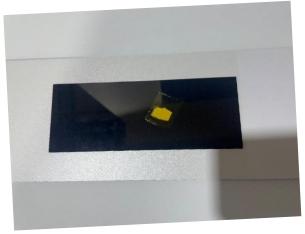




Figure 2.6 – UUT After Solar Radiation Test





Unit Name: Tempered Black Glass,

Un-Tempered Black Glass **Doc No.:** 2122A15335, Rev (00)

2.5 // TEST GRAPHS

CQIME Environmental Tests Ltd.

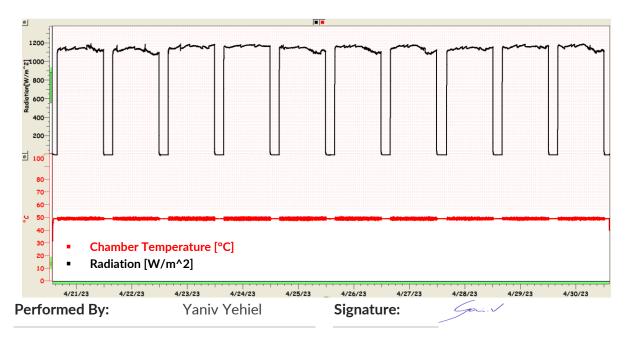
Customer: Baran Advanced Technologies (1986) Ltd Test Type: Solar Radiation Performed by: Yaniv Yehiel

Date: 20-30.04.2023

UUT: Tempered Black Glass, Un-Tempered Black

Glass P/N: N/A





End of Report