



TEST REPORT EN 55014-1 Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	
Report Reference No.....	LAB1456TRFEMC
Tested by (name + signature).....	Apergis Nikolaos
Approved by (name + signature).....	Chachlakis Georgios
Date of issue.....	25.01.2019
Testing Laboratory	EMC HELLAS SA
Address	Mesogeion 2-4, 11527, Athens, Attiki, Greece
Testing location	EMC HELLAS SA
Address	HAI industries, 32009, Tanagra, Schimatari Viotias, Greece
Applicant's name	PAN.BITZIDIS KAI SIA OE (ALPHA THERM)
Address	Neohorouda, PO Box 152, 570 08 GR - Thessaloniki, Greece
Test specification: Standard(s)	EN 55014-1:2017 (CISPR 14-1:2016 + COR1:2016)
Full application of the standards	<input checked="" type="checkbox"/>
Partial application of the standards.....	<input type="checkbox"/>
Testing procedure	As Above standards
Test Report Form No	EN55014-1TRFEMC
TRF Originator	EMC HELLAS SA
Master TRF	Dated 11-2018
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Test item description	Storage Water Heaters
Trade Mark.....	
Manufacturer	PAN.BITZIDIS KAI SIA OE (ALPHA THERM)
Manufacturer's Address	Neohorouda, PO Box 152, 570 08 GR - Thessaloniki, Greece
Type/Model Reference.....	ALPHATHERM 300, ALPHATHERM 200, ALPHATHERM 150, ALPHATHERM 120
Ratings	230V~, 50Hz, 4000W, 1MPa, IP24
Serial number.....	---
Number of tested samples	Four (4)
Accessories.....	The E.U.T. is composed by a single unit
Project No.:	E18/087

TRF No. EN55014-1TRFEMC



Testing			
Date of receipt of test sample(s).....:	14.12.2018		
Testing commenced on.....:	14.12.2018		
Testing concluded on.....:	24.01.2019		
Possible test case verdicts			
test case does not apply to the EUT.....:	N (Not applicable)		
test object does meet the requirement ..:	P (Pass)		
test object does not meet the requirement.....:	F (Fail)		
Symbols used in this test report			
<input checked="" type="checkbox"/> The crossed square indicates that the listed condition, standard or equipment is applicable for this report.			
<input type="checkbox"/> The empty square indicates that the listed condition, standard or equipment is not applicable for this report.			
General remarks:			
The test results presented in this report relate only to the object tested.			
The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.			
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"(see Enclosure #)" refers to additional information appended to the report.			
"(see appended table)" refers to a table appended to the report.			
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.			
Conclusion-Results: The test item complies with the requirements of the above standards, as well as applicant's requirements and specifications, which it was tested for, as shown in the following summary.			
Summary of testing:			
Emissions EN 55014-1:2017			
Requirement - Test	Frequency Range	Test standard	Verdict
Radiated disturbance	30 MHz to 1 GHz	EN 55014:2017	NA
Conducted disturbance	9 kHz to 30 MHz	EN 55014:2017	NA
Conducted disturbance	150 kHz to 30 MHz	EN 55014:2017	NA
Discontinuous disturbances	0.15MHz - 30MHz	EN 55014-1:2017	P
<i>*Remarks: None</i>			

