

Test report

Number: T251-0311/21 **Project file:** C20203092
Date: 2021-05-17
Pages: 308

Product: Switch Mode Power Supply

Type reference: E2xFzWy 24
E2xFzWy_aaa 30
See page 9.

Ratings: See page 8.
Maximum clock frequency: < 1 MHz

Trademark: **EGSTON** or **Pulse**

Applicant: EGSTON System Electronics Eggenburg GmbH
Grafenberger Strasse 37, 3730 Eggenburg, Austria

Manufacturer: EGSTON System Electronics Eggenburg GmbH
Grafenberger Strasse 37, 3730 Eggenburg, Austria

Place of manufacture: EGSTON System Electronic spol.s.r.o.
Průmyslova 20, 670 15 Znojmo, Czech Republic

Summary of testing

Testing method: EN 60601-1-2:2015, EN 61000-6-2:2005, EN 55032:2015 + A11:2020,
EN 55024:2010, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013,
EN 61000-6-1:2007, EN 61000-6-3:2007 + A1:2011

Testing location: SIQ Ljubljana, Trpinčeva ulica 37 A, SI-1000 Ljubljana, Slovenia
SIQ Ljubljana, Mašera-Spasičeva ulica 10, SI-1000 Ljubljana

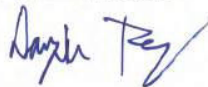
Remarks: Date of receipt of test items: 2016-08-23, 2016-10-28, 2017-03-02,
2017-05-10, 2017-06-01 (Initial testing); 2020-11-18, 2020-12-09 (Rev 1.0);
2021-04-14, 2021-05-03 (Rev. 2.0)

Number of items tested: 17 (Initial testing), 8 (Rev. 1.0), 2 (Rev. 2.0)
Date of performance of tests: 2017-02-07 – 2017-07-17 (Initial testing),
2020-12-16 - 2021-02-10 (Rev 1.0), 2021-05-13 – 2021-05-14 (Rev. 2.0)
The test results presented in this report relate only to the items tested.

The product complies with the requirements of the testing methods.

Tested by: Damjan Repar

Approved by: Marjan Mak



The report shall not be reproduced except in full.



CONTENTS	page
1 GENERAL	3
1.1 MEASUREMENT UNCERTAINTY	5
1.2 EQUIPMENT UNDER TEST	6
1.3 GENERAL PRODUCT INFORMATION	9
1.4 SIMULATORS, ACCESSORIES AND AUXILIARY EQUIPMENT USED DURING TESTING:	32
1.5 ACCOMPANYING DOCUMENTS AS REQUIRED BY IEC 60601-1-2	33
1.6 OPERATING VOLTAGES/FREQUENCIES USED FOR TESTING	42
1.7 OPERATING MODES	42
2 TEST SUMMARY	43
2.1 APPLICATION OF DECISION RULE	46
2.2 DESCRIPTION OF THE BASIC SAFETY AND ESSENTIAL PERFORMANCE OF THE EUT:	48
3 EMISSION TESTS	49
3.1 CONDUCTED EMISSION MEASUREMENT	49
3.2 DISCONTINUOUS DISTURBANCE MEASUREMENT	121
3.3 DISTURBANCE POWER MEASUREMENT	122
3.4 RADIATED EMISSION MEASUREMENT	123
3.5 HARMONICS CURRENT EMISSION MEASUREMENT	194
3.6 VOLTAGE FLUCTUATION MEASUREMENT	195
4 IMMUNITY	208
4.1 IMMUNITY TO ELECTROSTATIC DISCHARGE	208
4.2 RADIATED ELECTROMAGNETIC FIELD IMMUNITY TEST (RS)	236
4.3 PROXIMITY FIELDS FROM RF WIRELESS COMMUNICATIONS EQUIPMENT	248
4.4 ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST	267
4.5 SURGE IMMUNITY TEST	278
4.6 IMMUNITY TO CONDUCTED DISTURBANCES INDUCED BY RF FIELDS (CS)	282
4.7 MAGNETIC FIELD IMMUNITY TEST	294
4.8 VOLTAGE DIPS AND SHORT INTERRUPTIONS IMMUNITY TEST (DIP)	297
5 USED TEST EQUIPMENT	304