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TEST REPORT

No.: 39/20/SL EMK

year: 2020

Applicant: SRS Group s.r.o.
Rybničná 36/D, 831 07 Bratislava, Slovakia

Tested equipment: Germicidal air cleaner
Type: SRSMEDILUX PMX2A48

SLOVENSKÁ TECHNICKÁ UNIVERZITA
BRATISLAVA
FAKULTA ELEKTROTECHNIKY A INFORMATIKY
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Approved by:
Assoc. Prof. K. Kováč, PhD.
Head of Test house of FEI STU

Bratislava 26. 8. 2020

Notes: All test results are valid only for the tested equipment. Any publication of the test report content is not allowed without customer confirmation. The test report may be copied only as a whole, otherwise only with confirmation of Test house of FEI STU in Bratislava. This test report is issued in Slovak and English languages; the Slovak version only of this document can be considered as an original.

Test subject (EUT): Germicidal air cleaner, type: SRSMEDILUX PMX2A48

Serial number: prototype

Manufacturer: SRS Group s.r.o., Rybníčná 36/D, 831 07 Bratislava, Slovakia

Test: Measurement of electromagnetic emissions according to EN 61000-6-3:2007/A1:2011 and electromagnetic immunity according to EN 61000-6-1:2007

Applicant: SRS Group s.r.o., Rybníčná 36/D, 831 07 Bratislava, Slovakia

Date of test sample submission: 28. 4. 2020

Number of tested samples: 1

Date of measurement: 28. 4. 2020

Place of measurement: EMC Test Laboratory of SFEI STU Bratislava

Test report contains:

text pages: 15
tables: 8
appendices: 2
figures: 7

Distribution: Number of pcs

SFEI STU: 1 pc
applicant: 1 pc

Conditions of measurements and tests:

Identification of the test equipment is shown in Fig. 1.

Measured set containing:

- Equipment with power cable, 2 m long.

Note: If the measured set was modified due to any measurement or test conditions, it is noticed on the page corresponding to the measurement or the test.

Power supply: 230 V AC

Atmospheric conditions: Temperature: 22 °C
Rel. humidity: 30 %

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Test results summary:

Table 1: Results of emission measurements.

No.	Measurement	Method / Configuration of measured set	Limit	Conclusion	Page
1	Conducted emissions	EN 55016-2-1 EN 55032	EN 61000-6-3	PASS	5
2	Radiated emissions	EN 55016-2-3 EN 55032	EN 61000-6-3	PASS	6

Conclusion: The tested device complies with the requirements set by the standard EN 61000-6-3:2007/A1:2011 of electromagnetic interference for residential, commercial and light-industrial environments within the range shown in the Table 1.

Table 2: Results of immunity tests.

No.	Immunity test against	Method	Test level; Conditions / Function criterion		Page
			Request EN 61000-6-1	Result	
1	Electrostatic discharges	EN 61000-4-2	±4 kV (contact, indirect) / B ±4 kV (contact, direct) / B ±8 kV (air, direct) / B	PASS, A	7
2	Electromagnetic field	EN 61000-4-3	3 V/m; (80 ÷ 1000) MHz; AM / A 3 V/m; (1,4 ÷ 2,0) GHz; AM / A 1 V/m; (2,0 ÷ 2,7) GHz; AM / A	PASS, A	8
3	EFT/Burst pulses	EN 61000-4-4	±1 kV; Power / B	PASS, A	9
4	Surge pulses	EN 61000-4-5	±1 kV; Power / L-N / B ±2 kV; Power / L-PE / B ±2 kV; Power / N-PE / B	PASS, A	10
5	Conducted interference	EN 61000-4-6	3 V; (0,15 ÷ 80) MHz; Power / A	PASS, A	11
6	Power failures	EN 61000-4-11	Drop of 100% (1/2 per.) / B Drop of 100% (1 per.) / B Drop of 30% (25 per.) / C Drop of 100% (250 per.) / C	PASS, A PASS, A PASS, A PASS, C	12

The behaviour of the EUT, in terms of criteria of function compatibility, was judged on the basis of specifications of the applicant.

Criteria used for function compatibility (abridged version):

Criterion A: The equipment continues to operate as intended. No degradation of performance or loss of function is allowed below that specified by the manufacturer.

Criterion B: The equipment continues to operate as intended after the test. Degradation of performance or loss of function is allowed during the test, however afterwards this must not be outside manufacturer's

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specifications.

Criterion C: Temporary loss of function is allowed provided the function is self-recoverable or can be restored.

Conclusion: The tested device complies with the requirements set by the standard EN 61000-6-1:2007 for electromagnetic immunity of equipment for residential, commercial and light-industrial environments within the range shown in the Table 2.

The test laboratory declares that the measurement results are valid only for the test subject.

Assoc. Prof. Karol Kováč, PhD.
Head of EMC Laboratory

