



EMF ASSESSMENT REPORT

FCC Rules: Code of Federal Regulations (CFR) no. 47 RF Exposure

Report Number	AR23-0095960-01	Rev.	0
Date of issue	2025-06-24		
Total number of pages	10		
Name of Testing Laboratory preparing the Report	IMQ S.p.A.		
Applicant's name	NICE S.p.A.		
Address	Via Callalta, 1 – IT-31046 Oderzo (TV)		
Test specification:	47 CFR Part 15 and 447498 D01 V06		
Standards			
Test Report Form No.	TRF 3609/6		
Test Report Form(s) Originator	IMQ S.p.A.		
Master TRF	Dated 2024-01-19		
Test item description	LPD transmitter for controlling tubular motors		
Trademark or brand name	NICE		
Manufacturer	NICE S.p.A. – Via Callalta, 1 – IT-31046 Oderzo (TV)		
Model/Type reference(s)	DOMIP6B/U		
Ratings	2x 1.5V-alkaline battery AAA		
FCC ID	PLMDOMIP61		
General disclaimer:			
The results of tests and checks reported in this Test Report refer exclusively to the samples tested and described in the Report itself.			
This Report shall not be reproduced partially the written approval of IMQ S.p.A..			
The authenticity of this Test Report and its contents can be verified by contacting IMQ S.p.A., responsible for this Test Report.			



Responsible Assessment Laboratory and testing location(s):

Assessment Laboratory: IMQ S.p.A.

Assessment location/ address..... : Viale Lombardia, 20 – IT-20021 Bollate (MI)

Assessed by (name, function, signature) .. : Alessandro Macri
[Laboratory technician]

Approved by (name, function, signature) .. : Federico Sirtori
[Laboratory manager]



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List of Attachments (including a total number of pages in each attachment):

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Summary of testing

**Tests performed
(name of test and test clause):**

Human exposure to electromagnetic fields

Testing location:

Viale Lombardia, 20 – IT-20021 Bollate (MI)

Possible test case verdicts:							
- test case does not apply to the test item. :	N/A (Not Applicable)						
- test item does meet the requirement	P (Pass)						
- test item does not meet the requirement. :	F (Fail)						
IMQ reference samples	BEM 117806 (Item(s) sampled and sent by applicant)						
Date of receipt of test item	2024-06-12						
Date of acceptance of test item	2024-06-25						
Date (s) of performance of tests	2024-07-10						
General remarks:							
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.							
Throughout this report, the term "Test item" is used over terms such as Test object, EUT or DUT.							
Name and address of factory (ies)	/						
General product information (GPI) and other remarks:							
The ability or reliability of this product to perform its intended function in a particular application has not been investigated.							
The test results apply to the sample as received.							
All information relating to the details of the equipment under test at the § 1 of this document was provided by the applicant.							
IMQ declines any responsibility derived from missing or wrong information provided aside by the applicant.							
Environmental reference conditions	<p>The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.</p> <p>The climatic conditions during the tests were within the following limits:</p> <table border="1"> <thead> <tr> <th>Temperature</th> <th>Humidity</th> <th>Atmospheric pressure</th> </tr> </thead> <tbody> <tr> <td>15 °C – 35 °C</td> <td>30 % - 60 %</td> <td>800 hPa – 1060 hPa</td> </tr> </tbody> </table> <p>If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.</p> <p>The laboratory is monitored by a continuous environmental conditions measurements system.</p> <p>Temperature, humidity and pressure data are recorded on a weekly basis and stored in local archive.</p>	Temperature	Humidity	Atmospheric pressure	15 °C – 35 °C	30 % - 60 %	800 hPa – 1060 hPa
Temperature	Humidity	Atmospheric pressure					
15 °C – 35 °C	30 % - 60 %	800 hPa – 1060 hPa					

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1 General description of test item

Note: The information in this section has been provided by the applicant.

1.1 Photo(s) of the test item

See Annex 1

1.2 Test item(s)

No.	Test item name	Unique identification / type / description	Extent of test
1	DOMIP6B/U	LPD transmitter for controlling tubular motors. Six channels, black color enclosure	Tested in full
2	DOMIP1/U	As DOMIP6B/U, depopulated, one channel, black color enclosure	Extent
3	DOMIP1B/U	As DOMIP6B/U, depopulated, one channel, white color enclosure	Extent
4	DOMIP6/U	As DOMIP6B/U, white color enclosure	Extent

Engineering statement for untested variants / product family:

/

Supplementary information: /

1.3 Port(s)

No.	Port Name	Type	Cable		
			Specified length in m	Attached during test	Shielded
1	Enclosure	Enclosure	/	/	/
2	Mains IN	DC Mains input battery port	/	<input type="checkbox"/>	<input type="checkbox"/>
Supplementary information: /					

1.4 Power rating(s)

Power supply type	<input type="checkbox"/>	AC, 1 phase
	<input type="checkbox"/>	AC, 2 phases
	<input type="checkbox"/>	AC, 3 phases
	<input type="checkbox"/>	Neutral
	<input type="checkbox"/>	Protective Earth
	<input type="checkbox"/>	DC
	<input checked="" type="checkbox"/>	Battery, not rechargeable in the device
	<input type="checkbox"/>	Battery, rechargeable in the device
Rated voltage	2x 1.5V-alkaline battery AAA	
Rated frequency	/	
Rated power	/	

1.5 Additional parameters

Type of equipment	LPD transmitter for controlling tubular motors
Operating frequency:	433.92 MHz - Operation Command (TX and RX) 434.67 MHz - Wake up Command (Only TX) The product does not transmit on both frequencies simultaneously.
Maximum RF radiated power:	94.96dB μ V/m (PEAK at 3m distance, 433.92 MHz)
Modulation:	2GFSK
Channel Spacing:	/
Antenna:	Integral
RX sensitivity:	/
Channel bandwidth	160 kHz
Number of channels	2

1.6 Electromagnetically relevant components

Component	No.	Manufacturer	Model
Microcontroller	1	STmicroelectronics	STM32L071CB
Radio module	1	Silicon labs	Si4461
PCB board	1	NICE	CS747A
Supplementary information: /			

1.7 Documents as provided by the applicant

No.	Document ref.	Type and description	Doc date
1	/	/	/
Supplementary information: /			

2 Verdict summary section

Rationale for verdicts, including N/A (Not Applicable), are listed on each test sheet.

Emission requirements			
Clause	Requirement – Test case	Basic standard	Verdict
4.1	Human exposure to electromagnetic fields	47 CFR § 1.1307(b)(1) and § 2.1093 (b) KBD 447498 D01 v06	P
Supplementary information: /			

3 RESULTS OF RF EXPOSURE EVALUATION

TEST REQUIREMENT	
Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines § 1.1310.	
EUT classification (fixed, mobile or portable devices)	Portable according to § 2.1093(b) of this Chapter
LIMITS	According to § 2.1093 of this Chapter, by means of the following guidelines: OET Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies (447498 D01 General RF Exposure Guidance v06)
Testing dates	2024-07-10

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and \leq 50 mm

447498 D01 General RF Exposure Guidance v06 – Appendix A

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	<i>SAR Test Exclusion Threshold (mW)</i>
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

The test separation distances \geq 5 mm is applied to determine SAR test exclusion.

CALCULATION FOR SINGLE TRASMISSION - WORT CASE
SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm
 447498 D01 General RF Exposure Guidance v06 § 4.3

Technical documentation		
Document	Reference	Standard
IMQ Test Report	No. AR23-0095958-01 of 2025-06-24	Part 15 Subpart C Section 15.231

Operating band (MHz)	Max power at 3m (dB μ Vm)	Max E.I.R.P. (mW)	Distance (mm)	$\frac{\text{max. power (mW)}}{\text{min.distance (mm)}} \times \sqrt{f(\text{GHz})}$	Limits
433.92	94.96	0.94	2.7	0.23	≤ 3.0 for 1-g head SAR or ≤ 7.5 for 10-g extremity SAR

Operating band (MHz)	Max conducted power (dBm)	Max conducted power (mW)	Distance (mm)	$\frac{\text{max. power (mW)}}{\text{min.distance (mm)}} \times \sqrt{f(\text{GHz})}$	Limits
434.92	10.86 ¹	12.19	2.7	2.98	≤ 3.0 for 1-g head SAR or ≤ 7.5 for 10-g extremity SAR

TEST RESULT

¹ Max conducted power = max radio module output power – duty cycle correction factor =
 $= 16 \text{ dBm} - 5.15 \text{ dB} = 10.86 \text{ dBm}$

This value is less than the low threshold limit. No SAR test is required.

END OF ASSESSMENT REPORT