

Johnson Health Tech. Co., Ltd.

TEST REPORT

Model:

Target Training Console-02

REPORT NUMBER

240700072THC-001R1

ISSUE DATE

Dec. 19, 2024

PAGES

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DOCUMENT CONTROL NUMBER

GFT-OP-10h (28-Nov-2018)

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Radio Spectrum TEST REPORT

Applicant:	Johnson Health Tech. Co., Ltd. No.999, Sec. 2, Dongda Rd., Daya Dist Taichung City 428, Taiwan
Product:	Console for Exercise Machine
Model No.:	Target Training Console-02
Brand Name:	MATRIX
FCC ID:	TN7PHOENIXRF-02
Test Method/ Standard:	47 CFR FCC Part 15.225
Test By:	Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 17, Ln. 246, Niupu S. Rd., Xiangshan Dist, Hsinchu City 300075, Taiwan
Note:	This report is issued as a supplementary document and shall be used combined together with original report no.: 240700072THC-001.



Rich Nien

Rich Nien
Engineer

Zero chen

Zero Chen
Reviewer

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Revision History

Report No.	Issue Date	Revision Summary
240700072THC-001	Sep. 16, 2024	Original report
240700072THC-001R1	Dec. 19, 2024	The length of the wire connected to the RFID module is changed to 350mm. After engineer judgment and verified, fundamental emission intensity maintained at ± 2 dB, the difference does not affect the RF characteristic and evaluated to meet the standard requirement.

1. General Information

1.1 Identification of the EUT

Product:	Console for Exercise Machine
Model No.:	Target Training Console-02
Operating Frequency:	13.56 MHz
Rating:	DC 5V
Power Cord:	N/A
Sample receiving date:	2024/12/13
Sample condition:	Workable
Test Date(s):	2024/12/16

1.2 Antenna description

Antenna Type : PCB Antenna

Connector Type : I-PEX

2. Fundamental emission

2.1 Test result

Original Test Data

Temperature (°C):	26
Relative Humidity (%):	71
Test date:	2024/08/08

Polarization	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
Perpendicular	13.56	PK	20.03	30.37	50.40	124.00	-73.60
Parallel	13.56	PK	20.03	29.62	49.65	124.00	-74.35
Ground-parallel	13.56	PK	20.03	17.75	37.78	124.00	-86.22

Remark: Corr. Factor = Antenna Factor + Cable Loss

Limit= 15848(uV/m)@30m=84 dBuV +40 dBuV (decade) = 124 dBuV/m@3m

Verification Original Test Data

Temperature (°C):	20
Relative Humidity (%):	74
Test date:	2024/12/16

Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
13.56	PK	20.03	31.68	51.71	124.00	-72.29

Remark: Corr. Factor = Antenna Factor + Cable Loss

Limit = 15848(uV/m)@30m=84 dBuV +40 dBuV (decade) = 124 dBuV/m@3m