

**Johnson Health Tech. Co., Ltd.**

# **TEST REPORT**

**Model:**  
Target Training Console-02

**REPORT NUMBER**  
240700072THC-001R1

**ISSUE DATE**  
Dec. 19, 2024

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GFT-OP-10h (28-Nov-2018)  
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# Radio Spectrum

## TEST REPORT

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



A handwritten signature in blue ink that appears to read 'Rich Nien'.

Rich Nien  
Engineer

A handwritten signature in blue ink that appears to read 'Zero Chen'.

Zero Chen  
Reviewer

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**Revision History**

<b>Report No.</b>	<b>Issue Date</b>	<b>Revision Summary</b>
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 $\pm 2$ 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**

<b>Product:</b>	Console for Exercise Machine
<b>Model No.:</b>	Target Training Console-02
<b>Operating Frequency:</b>	13.56 MHz
<b>Rating:</b>	DC 5V
<b>Power Cord:</b>	N/A
<b>Sample receiving date:</b>	2024/12/13
<b>Sample condition:</b>	Workable
<b>Test Date(s):</b>	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 (dB $\mu$ V)	Corrected Reading (dB $\mu$ V/m)	Limit @ 3 m (dB $\mu$ V/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 dB $\mu$ V +40 dB $\mu$ V (decade) = 124 dB $\mu$ V/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 (dB $\mu$ V)	Corrected Reading (dB $\mu$ V/m)	Limit @ 3 m (dB $\mu$ V/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 dB $\mu$ V +40 dB $\mu$ V (decade) = 124 dB $\mu$ V/m@3m