

Test Report

Prepared for: Qdes Works BV

Model: Receiver Station

Description: Wireless Audio Receiver

Serial Number: N/A

FCC ID: 2AJK5-RE001

To

FCC Part 1.1310

Date of Issue: June 26, 2024

On the behalf of the applicant:

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Attention of:

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Reviewed / Authorized By:



John Michalowicz

Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	6/26/24	John Michalowicz	Original Document

ANAB

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communiqué dated January 2009).

The tests results contained within this test report all fall within our scope of accreditation, unless noted below.

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FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: Receiver Station

Description: Wireless Guitar Receiver

Firmware: Main PCB: v0.04, Display PCB: v0.08

Software: NA

Serial Number: NA

Additional Information: The EUT is a wireless guitar receiver that is powered by an AC/DC adaptor. The products is available in two versions, Jack Receiver Station and mXLR Receiver Station, which differ only in the type of charge port.

Minimum Safe Distance Evaluation

This is a mobile device used in Uncontrolled Exposure environment.

Limits Controlled Exposure 47 CFR 1.1310 Table 1, (A)

0.3-3.0 MHz:	Limit [mW/cm ²] = 100
3.0-30 MHz:	Limit [mW/cm ²] = (900/f ²)
30-300 MHz:	Limit [mW/cm ²] = 1.0
300-1500 MHz:	Limit [mW/cm ²] = f/300
1500-100,000 MHz	Limit [mW/cm ²] = 5

Limits Uncontrolled Exposure 47 CFR 1.1310 Table 1, (B)

0.3-1.234 MHz:	Limit [mW/cm ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 1.0

Test Data

Test Frequency, MHz	5732
Power, Conducted, mW (P)	27.23
Antenna Gain Isotropic	2.7 dBi
Antenna Gain Numeric (G)	1.86
Antenna Type	Omni
Limit (L)	1.0

$S = P \cdot G / 4 \cdot \pi \cdot r^2$			
Power Density (S) mw/cm ²	Power mW (P)	Numeric Gain (G)	Limit (L)
0.0100763568	27.23	1.86	20

Note: Max output power value is obtained from associated report.

The power density is below the 1.0 limit