

REM-EMIESS24B232TMS-01Av0

MPE test report

According to the standard:

CFR 47 FCC PART 15

Equipment under test:

XGCS850C201 RFID compact station

FCC ID: 2BCVYXGCS85

Company:

TMSS FRANCE

Distribution: Mr CORAZZA

(Company: TMSS FRANCE)

Number of pages: 6 with 1 appendix

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval	
			Name and Function	Visa
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Duplication of this document is only permitted for an integral photographic facsimile. It includes the number of pages referenced here above.

This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

Information in italics are declared by the manufacturer/customer and are under his responsibility

DESIGNATION OF PRODUCT: *XGCS850C201 RFID compact station*

Serial number (S/N): *None*

Reference / model (P/N): *XGCS850C201*

Software version: *3.9*

Etherkit software version: *10.2*

MANUFACTURER: *TMSS FRANCE*

COMPANY SUBMITTING THE PRODUCT:

Company: *TMSS FRANCE*

Address: *BLD SALVADOR ALLENDE
ZONE INDUSTRIELLE N°3
16340 L'ISLE D' ESPAGNAC
FRANCE*

Responsible: *Mr CORAZZA*

Person(s) present during the tests: */*

DATE(S) OF TEST: *From 10-Apr-24 to 11-Apr-24*

TESTING LOCATION: *EMITECH ANGERS laboratory at JUIGNE SUR LOIRE (49) FRANCE
FCC Accredited under US-EU MRA Designation Number: FR0009
Test Firm Registration Number: 873677*

TESTED BY: *B. VOVARD*

VISA:

A handwritten signature in black ink, appearing to read "B. Vovard", with a horizontal line extending to the right.

WRITTEN BY: *B. VOVARD*

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REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	24-Apr-24	/	Creation

1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **XGCS850C201 RFID compact station**, in accordance with normative reference.

The device under test integrates a RFID Radio part.

2. PRODUCT DESCRIPTION

Category of equipment (ISED): I

Class: B

Utilization: Industrial (but tested with B class limits)

Antenna type and gain: Integrated antenna (unknown gain)

Number of channels: 1

Channel spacing: Not concerned

Modulation: ASK

Power source: 24Vdc Input

Power level, frequency range and channels characteristics are not user adjustable.
The details pictures of the product and the circuit boards are joined with this file.

3. NORMATIVE REFERENCE

The standards and testing methods related throughout this report are those listed below.

They are applied on the whole test report even though the extensions (version, date and amendment) are not repeated.

CFR 47 (2024) Radio Frequency Devices

ANSI C63.10 2013
Procedures for Compliance Testing of Unlicensed Wireless Devices.

447498 D04 Interim General RF Exposure Procedures and Equipment Authorization Policies for Mobile and
RF Exposure Guidance v01 Portable Devices

4. RF EXPOSURE

In accordance with KDB 447498 D04 Interim General RF Exposure Guidance v01, paragraph 1.4.2 :

Maximum measured power = 50.86 dB μ V/m = 0.0011638 mW at 13.56 MHz

with $P = (E \times d)^2 / (30 \times G_p)$ with $d = 10$ m and $G_p = 1$

PSD= $EIRP / (4 \times \pi \times R^2)$

$$\Rightarrow 0.0011638 / (4 \times \pi \times (20 \text{ cm})^2) = \mathbf{0.000000231 \text{ mW/cm}^2} \text{ (limit = } \mathbf{0.978 \text{ mW/cm}^2})$$

The equipment fulfils the requirements on power density for general population/uncontrolled exposure and therefore fulfils the requirements of 47 CFR §1.1310.