

RE-21-E382-SCH-3-A Ed. 0

MPE test report

According to the standard:
CFR 47 FCC PART 15

Equipment under test:
XZBWR2STT24
Wireless transmitter

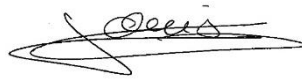
FCC ID: Y7HXZBWR

Company:
Schneider Electric Industries France L'Isle d'Espagnac

Distribution: Mr LAIDET

(Company: Schneider Electric Industries France L'Isle d'Espagnac)

Number of pages: 5

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval	
			Name and Function	Visa
0	11-Oct-21	Creation	S. LOUIS, Radio Technician	

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DESIGNATION OF PRODUCT: XZBWR2STT24

Serial number (S/N): 210201846

Reference / model (P/N): XZBWR2STT24

Software version: 1.0

MANUFACTURER: Schneider Electric Industries France L'Isle d'Espagnac

COMPANY SUBMITTING THE PRODUCT:

Company: Schneider Electric Industries France L'Isle d'Espagnac

Address: BP 660 - ZI No.3 L'ISLE D'ESPAGNAC France 16340

Responsible: Mr LAIDET

DATES OF TEST: 14-Sep-21

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: T. LEDRESSEUR

VISA:



WRITTEN BY: T. LEDRESSEUR

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REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	22-Sep-21	/	Creation

1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **XZBWR2STT24**, in accordance with normative reference.

The product integrates a Zigbee function

2. PRODUCT DESCRIPTION

Class:	B
Utilization:	Wireless transmitter
Antenna type and gain:	0 dBi / integral PCB antenna
Operating frequency range:	2405 MHz
Number of channels:	1
Channel spacing:	Not concerned
Modulation:	OQPSK
Power source:	24Vdc

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. RF EXPOSURE

Maximum measured power = 93.9 dB μ V/m = 0.00074 W at 2405 MHz
with $P = (E \times d)^2 / (30 \times G_p)$ with $d = 3$ m and $G_p = 1$

In accordance with KDB 447498 D01 General RF Exposure Guidance v06:

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

$$0.74 / (4 \times \pi \times (20 \text{ cm})^2) = 0.00015 \text{ mW/cm}^2 \text{ (limit = 1 mW/cm}^2 \text{ si } f > 1500 \text{ MHz)}$$

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