

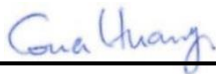
# RF EXPOSURE EVALUATION REPORT

FCC ID : W2Z-01000014  
Equipment : HDMI wireless 60G Extender  
Brand Name : FUJIFILM Corporation  
Model Name : HDV-W561-1 TX  
Applicant : FUJIFILM Corporation  
7-3, Akasaka 9-chome, Minato-ku,  
Tokyo 107-0052, Japan  
Manufacturer : Shenzhen HDCVT Technology Co.,Ltd  
Floor 7, Building 5 ,Lihe industrial Park  
SongBai Rd ,Nanshan  
District,Shenzhen ,GuangDong China  
Standard : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 1.1307 47 CFR Part2.1091 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full



Approved by: Cona Huang / Deputy Manager



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## **Table of Contents**

<b>1. DESCRIPTION OF EQUIPMENT UNDER TEST (EUT) .....</b>	<b>4</b>
<b>2. MAXIMUM RF AVERAGE OUTPUT POWER AMONG PRODUCTION UNITS .....</b>	<b>4</b>
<b>3. RF EXPOSURE LIMIT INTRODUCTION .....</b>	<b>5</b>
<b>4. RADIO FREQUENCY RADIATION EXPOSURE EVALUATION .....</b>	<b>6</b>
4.1. Standalone Power Density Calculation .....	6



### History of this test report

Report No.	Version	Description	Issued Date
FA331706	Rev. 01	Initial issue of report	May 19, 2023



**1. Description of Equipment Under Test (EUT)**

Product Feature & Specification	
EUT Type	HDMI wireless 60G Extender
Brand Name	FUJIFILM Corporation
Model Name	HDV-W561-1 TX
FCC ID	W2Z-01000014
Wireless Technology and Frequency Range	60163MHz~60797MHz 62323MHz~62957MHz
Mode	60GHz
EUT Stage	Identical Prototype

Reviewed by: Jason Wang

Report Producer: Paula Chen

**2. Maximum RF average output power among production units**

Mode	Maximum Average EIRP power(dBm)
60GHz	28.94



### 3. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna



**4. Radio Frequency Radiation Exposure Evaluation**

**4.1. Standalone Power Density Calculation**

Band	Maximum EIRP (dBm)	Maximum EIRP (W)	Average EIRP (mW)	Power Density at 20cm (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
60GHz	28.94	0.78	783.43	0.156	1.000

**Conclusion:**

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.