FCC RF EXPOSURE REPORT

For

DJI Ronin 4D Video Transmitter

MODEL NUMBER: TX2

FCC ID: 2ANDR-TX2202109

REPORT NUMBER: 4789980498.1-3-8

ISSUE DATE: July 15, 2021

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	07/15/2021	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	SZ DJI Osmo Technology Co.,Ltd.
Address:	4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen

Manufacturer Information

Company Name:	SZ DJI Osmo Technology Co.,Ltd.
Address:	4F, Jingkou Community Comprehensive Service Building, No. 83 Bishui Road North, Guangming Street, Guangming District, Shenzhen

EUT Information

EUT Name:	DJI Ronin 4D Video Transmitter
Model:	TX2
Brand:	DJI
Sample Received Date:	June 03, 2021
Sample Status:	Normal
Sample ID:	3991066
Date of Tested:	June 03, 2021 ~ July 15, 2021

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC 47CFR§2.1091	PASS

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	**A2LA (Certificate No.: 4102.01)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. **FCC (FCC Designation No.: CN1187)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Delcaration of Conformity (DoC) and Certification rules **ISED (Company No.: 21320)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. **VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)** UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011

Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	($180/f^2$)*	30
30 -- 300	27.5	0.073	0.2	30
300 -- 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	30

CALCULATION METHOD

$S=PG/4\pi R^2$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

CALCULATED RESULTS

SRD 2.4G Band (The worst case)					
Mode	Output Power	Output Power	Power Density	Power Density Limit	Test Result
--	dBm	mW	mW/cm^2	mW/cm^2	--
20M Mode	27.00	501.19	0.1773	1.0	Complies

SRD 5G in UNII-2C Band (The worst case)					
Mode	Output Power	Output Power	Power Density	Power Density Limit	Test Result
--	dBm	mW	mW/cm^2	mW/cm^2	--
40M Mode	23.50	223.87	0.0792	1.0	Complies

Note: The 40M Mode of UNII-2C Band is the worst case in the UNII-1, UNII-2A and UNII-2C.

SRD 5G in UNII-3 Band (The worst case)					
Mode	Output Power	Output Power	Power Density	Power Density Limit	Test Result
--	dBm	mW	mW/cm^2	mW/cm^2	--
20M Mode	26.00	398.11	0.1580	1.0	Complies

Note: 1. For UNII-3 Band, the Antenna Gain=3dBi (Numeric 2.00); for all other Bands, the Antenna Gain=2.5dBi (Numeric 1.78), π=3.141.

2. The Power comes from the Operation Description.
3. The minimum separation distance of the device is greater than 20 cm.
4. Calculate by WORST-CASE mode.

END OF REPORT