

FCC RF EXPOSURE REPORT

For

AGRAS T60, AGRAS T25P

MODEL NUMBER: 3WWDZ-50A, 3WWDZ-20C

REPORT NUMBER: 4791309052-5-RF-3

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Prepared for

SZ DJI TECHNOLOGY CO.,LTD.

**Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street,
Nanshan District, Shenzhen**

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	August 8, 2024	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: SZ DJI TECHNOLOGY CO.,LTD.
Address: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen

Manufacturer Information

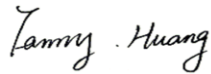
Company Name: SZ DJI TECHNOLOGY CO.,LTD.
Address: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen

EUT Information

EUT Name: AGRAS T60
Series EUT Name: AGRAS T25P
Model: 3WWDZ-50A
Series Model: 3WWDZ-20C
Model Difference: Please refer to the declaration
Sample Received Date: May 9, 2024
Sample Status: Normal
Sample ID: 7201002
Date of Tested: May 9, 2024 to August 7, 2024

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS
KDB447498 D01 V06	PASS

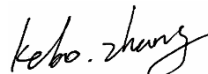
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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 and KDB 447498 D01 General RF Exposure Guidance v06.

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 Declaration 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-20192, C-20153, T-20155 and R-20202) 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-20192 and R-20202 Shielding Room B, the VCCI registration No. is C-20153 and T-20155
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Note 1: 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

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

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

Radio Frequency Radiation Exposure Evaluation

2.4GHz SRD (Worst case)				
Operating Mode	Max. Tune up Power	Max. Directional Antenna Gain	Power density	Limit
	(dBm)	(dBi)	(mW/ cm ²)	
2.4GHz SRD	28	3	0.16029	1

5.8 GHz SRD (Worst case)				
Operating Mode	Max. Tune up Power	Max. Directional Antenna Gain	Power density	Limit
	(dBm)	(dBi)	(mW/ cm ²)	
5.8 GHz SRD	29.5	3	0.22642	1

WIFI 2.4GHz D (Worst case)				
Operating Mode	Max. Tune up Power	Max. Directional Antenna Gain	Power density	Limit
	(dBm)	(dBi)	(mW/ cm ²)	
WIFI 2.4GHz	29	2.5	0.17985	1

Forward Phased Array Radar

(Worst case)			
Operating Mode	Max. EIRP	Power density	Limit
	(dBm)	(mW/ cm ²)	
Forward Radar FMCW	2.90	0.00025	1

(Worst case)			
Operating Mode	Max. EIRP	Power density	Limit
	(dBm)	(mW/ cm ²)	
Upward Radar FMCW	4.97	0.00040	1

Rear Phased Array Radar

(Worst case)			
Operating Mode	Max. EIRP	Power density	Limit
	(dBm)	(mW/ cm ²)	
FMCW	2.91	0.00025	1

Note:

1. The Power comes from operation description.
2. All the modes had been tested, but only the worst data was recorded in the report.
3. The assess distance is 25 cm.
4. WIFI & SRD 2.4G & Forward Phased Array Radar & Rear Phased Array Radar, WIFI & SRD 5.8G & Forward Phased Array Radar & Rear Phased Array Radar can transmit simultaneously, SRD 2.4G & SRD 5.8G can't transmit simultaneously (declare by manufacturer)
WIFI 2.4GHz + 2.4GHz SRD + Forward Phased Array Radar + Rear Phased Array Radar =
 $0.16029 + 0.17985 + 0.00025 + 0.00040 + 0.00025 = 0.34104 \text{ (mW/cm}^2\text{)}$
WIFI 2.4GHz + 5.8 GHz SRD + Forward Phased Array Radar + Rear Phased Array Radar =
 $0.16029 + 0.22642 + 0.00025 + 0.00040 + 0.00025 = 0.38761 \text{ (mW/cm}^2\text{)}$

Therefor the maximum calculations of above situations are less than the “1” limit.

END OF REPORT