



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241000403005

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Test Report

Application No.: SZCR2410004030AT
Applicant: SZ DJI TECHNOLOGY CO., LTD.
Address of Applicant: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, 518055 Shenzhen, China
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.
Address of Manufacturer: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, 518055 Shenzhen, China
Equipment Under Test (EUT):
EUT Name: AGRAS T100, DJI FlyCart 100
Model No.: 3WWDZ-U75A, E2MTR-100A ♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: DJI
FCC ID: SS3-T100A2411
Standard(s) : FCC Rules 47 CFR §2.1091
KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt: 2024-10-30
Date of Test: 2025-03-04 to 2025-03-19
Date of Issue: 2025-04-15

Test Result:

Pass*

* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu

Ken Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch EMC Laboratory

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-04-15		Original

Authorized for issue by:				
		Darren Yuan		
		Darren Yuan/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 General Information

2.1 General Description of E.U.T.

Product Type:	☐ Portable device
	☒ Mobile device
	☐ Fixed device

2.2 Details of E.U.T.

Power supply:	Powered by Lithium-Ion Polymer Rechargeable Battery Battery information Model: BAX901-41000mAh-52.78V Nominal Voltage: 52.78V Rated Capacity: 41000mAh, 2164Wh
For 2.4G Wi-Fi:	
Operation Frequency:	802.11g: 2437MHz
Modulation Type:	802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels:	1
Antenna Type:	Dipole Antenna
Antenna Gain:	ANT0: 3.0dBi; ANT1: 3.5dBi; ANT2: 3.0dBi; ANT3: 3.5dBi



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For 2.4G SDR:	
Operation Frequency:	10MHz mode: 2407.5MHz-2467.5MHz 20MHz mode: 2412.5MHz-2462.5MHz 40MHz mode: 2422.5MHz-2452.5MHz 60MHz mode: 2432.5MHz-2442.5MHz
Modulation Type:	OFDM
Channel Spacing:	10MHz mode: 1MHz 20MHz mode: 1MHz 40MHz mode: 1MHz 60MHz mode: 1MHz
Number of Channels:	10MHz mode: 61 20MHz mode: 51 40MHz mode: 31 60MHz mode: 11
Antenna Type:	Dipole Antenna
Antenna Gain:	ANT0: 3.0dBi; ANT1: 3.5dBi; ANT2: 3.0dBi; ANT3: 3.5dBi



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For 5G SDR:	
Operation Frequency:	10MHz: 5730.5MHz-5844.5MHz 20MHz: 5735.5MHz-5839.5MHz 40MHz: 5745.5MHz-5829.5MHz 60MHz: 5755.5MHz-5819.5MHz 80MHz: 5765.5MHz-5809.5MHz
Modulation Type:	OFDM
Channel Spacing:	10MHz: 1MHz 20MHz: 1MHz 40MHz: 1MHz 60MHz: 1MHz 80MHz: 1MHz
Number of Channels:	10MHz: 115 20MHz: 105 40MHz: 85 60MHz: 65 80MHz: 45
Antenna Type:	Dipole Antenna
Antenna Gain:	ANT0: 3.0dBi, ANT1: 4.0dBi, ANT2: 3.0dBi, ANT3: 4.0dBi

24G Radar	
Operation Frequency:	24.05-24.25GHz
Modulation:	FMCW
Antenna Type:	linear Antenna
Antenna Gain:	Active Phased Array Radar (FRONT): 10dBi Millimeter Wave Radar: 13dBi

Note1: Active Phased Array Radar (FRONT) has certified, FCC ID is SS3-RDRF100

Note2: Rear radar has certified, FCC ID is SS3-RDBF100

Declaration of EUT Family Grouping:

Model No.: 3WWDZ-U75A, E2MTR-100A

Only the model 3WWDZ-U75A was tested, since according to the declaration from the applicant, the circuitry design, PCB layout, electrical components used, internal wiring and functions were identical for the above models, with only different on the model number and product name.



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Separation Distance

Minimum test separation distance:	20cm
Remark: This minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander.	

2.3 Test Location

All tests were performed at:

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Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

2.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.



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3 FCC Radiofrequency radiation exposure limits

According to §1.1310, the limit for general population/uncontrolled exposures

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
Limits for General Population/Uncontrolled Exposure				
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



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4 Measurement and Calculation

Standalone transmission:

Mode	Maximum EIRP (dBm)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Ratio	Verdict
2.4G Wi-Fi	33	0.397	1.000	0.3971	Pass
2.4G SDR	33	0.397	1.000	0.3971	Pass
5G SDR	33	0.397	1.000	0.3971	Pass
Active Phased Array Radar (FRONT)	20	0.020	1.000	0.0199	Pass
Millimeter Wave Radar	20	0.020	1.000	0.0199	Pass

Note1: The maximum EIRP is refer to the user manual

Simultaneous transmission

Test Mode	2.4G Wi-Fi	2.4G SDR	5.8G SDR	Active Phased Array Radar (FRONT)	Millimeter Wave Radar	Total Ratio	Limit	Verdict
Maximum Ratio	0.3971	0.3971	0.3971	0.0199	0.0199	N/A	N/A	N/A
Scenario 1	☒		☒	☒	☒	0.8340	1.0	Pass
Scenario 2		☒		☒	☒	0.4369	1.0	Pass
Scenario 3			☒	☒	☒	0.4369	1.0	Pass

The EUT meet the Exemption Limits for Routine Evaluation – SAR Evaluation, so no SAR evaluation is required for the EUT.

--End of the Report--