

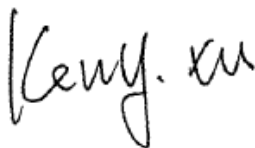
1 Cover Page

Test Report

Application No.: SZCR2308002559AT
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, 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, Shenzhen, China.
Equipment Under Test (EUT):
EUT Name: DJI FlyCart 30
Model No.: E2MTR-30A
Trade Mark: DJI
FCC ID: SS3-E2MTR2302
Standard(s) : FCC Rules 47 CFR §2.1091
KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt: 2023-08-08
Date of Test: 2023-08-18 to 2023-09-08
Date of Issue: 2023-09-18

| | |
|---------------------|--------------|
| Test Result: | Pass* |
|---------------------|--------------|

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



Keny Xu
EMC Laboratory Manager





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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800255904

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| Revision Record | | | | |
|-----------------|---------|------------|----------|----------|
| Version | Chapter | Date | Modifier | Remark |
| 01 | | 2023-09-18 | | Original |
| | | | | |
| | | | | |

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



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Shenzhen Branch
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3 General Information

3.1 General Description of E.U.T.

| | |
|---------------|---|
| Product Type: | <input type="checkbox"/> Portable device |
| | <input checked="" type="checkbox"/> Mobile device |
| | <input type="checkbox"/> Fixed device |

3.2 Details of E.U.T.

| | |
|---------------|---|
| Power supply: | <p>Powered by Lithium-Ion Polymer Rechargeable Battery</p> <p>Battery Information</p> <p>Model: BAX101-38000mAh-52.22V</p> <p>Nominal Voltage: 52.22V</p> <p>Rated Capacity: 38000mAh, 1984.4Wh</p> |
|---------------|---|



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| 2.4G SDR | |
|----------------------|--|
| Operation Frequency: | 1.4MHz: 2403.5MHz-2469.5MHz and 2405.12MHz-2479.12MHz 3MHz: 2405.5MHz-2468.5MHz and 2408.2MHz-2471.2MHz 10MHz: 2407.5MHz-2467.5MHz 20MHz: 2412.5MHz-2462.5MHz 40MHz: 2422.5MHz-2452.5MHz |
| Modulation Type: | OFDM |
| Channel Spacing: | 1.4MHz: 2MHz 3MHz: 3MHz 10MHz: 1MHz 20MHz: 1MHz 40MHz: 1MHz |
| Number of Channels: | 1.4MHz: 72 3MHz: 44 10MHz: 61 20MHz: 51 40MHz: 31 |
| Antenna Type: | PIFA Antenna |
| Antenna Gain: | ANT0&ANT1&ANT2&ANT3: 4.5dBi |



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| 5.8G SDR | |
|----------------------|--|
| Operation Frequency: | 1.4MHz: 5728.5MHz-5846.5MHz and 5730.12MHz-5848.12MHz 3MHz: 5727.5MHz-5844.5MHz and 5730.2MHz-5847.2MHz 10MHz: 5730.5MHz-5844.5MHz 20MHz: 5735.5MHz-5839.5MHz 40MHz: 5745.5MHz-5829.5MHz |
| Modulation Type: | OFDM |
| Channel Spacing: | 1.4MHz: 2MHz 3MHz: 3MHz 10MHz: 1MHz 20MHz: 1MHz 40MHz: 1MHz |
| Number of Channels: | 1.4MHz: 120 3MHz: 80 10MHz: 115 20MHz: 105 40MHz: 85 |
| Antenna Type: | PIFA Antenna |
| Antenna Gain: | ANT0&ANT1&ANT2&ANT3: 4dBi |



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| | |
|--|--------------------------------------|
| Forward Phased Array Radar (RD241608RF), it includes single board radar and omnidirectional radar | |
| Operation Frequency: | 24.00GHz to 24.25GHz |
| Modulation: | FMCW |
| Antenna type: | Linear Antenna |
| Antenna Gain: | 10dBi (Provided by the manufacturer) |

| | |
|---|--------------------------------------|
| Rear Phased Array Radar (RD241608RB) | |
| Operation Frequency: | 24.00GHz to 24.25GHz |
| Modulation: | FMCW |
| Antenna type: | Linear Antenna |
| Antenna Gain: | 10dBi (Provided by the manufacturer) |

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

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. | |



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3.3 Test Location

All tests were performed at:

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

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

No tests were sub-contracted.

3.4 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.



4 FCC Radiofrequency radiation exposure limits

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

| Frequency | Power density(mW/cm ²) | Averaging time(minutes) |
|---------------|------------------------------------|-------------------------|
| 300MHz~1.5GHz | f/1500 | 30 |
| 1.5GHz~100GHz | 1.0 | 30 |



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5 Measurement and Calculation

Standalone transmission

| Test Mode | Maximum EIRP (dBm) | Maximum Power density(mW/cm ²) | Limit (mW/cm ²) | Ratio | Verdict |
|---|--------------------|--|-----------------------------|--------|---------|
| 2.4G SDR | 33 | 0.3969 | 1.0 | 0.3969 | Pass |
| 5.8G SDR | 33 | 0.3969 | 1.0 | 0.3969 | Pass |
| 24G Radar (RD241608RF) Omnidirectional radar | 20 | 0.0199 | 1.0 | 0.0199 | Pass |
| 24G Radar (RD241608RF) Single board radar | 20 | 0.0199 | 1.0 | 0.0199 | Pass |
| 24G Radar (RD241608RB) | 20 | 0.0199 | 1.0 | 0.0199 | Pass |

Note: The maximum EIRP value refer to user manual.

Simultaneous transmission

| Test Mode | 2.4G SDR | 5.8G SDR | 24G Radar (RD241608RF) Omnidirectional radar | 24G Radar (RD241608RF) Single board radar | 24G Radar (RD241608RB) | Total Ratio | Limit | Result |
|------------|-------------------------------------|-------------------------------------|---|--|-------------------------------------|-------------|-------|--------|
| Ratio | 0.3969 | 0.3969 | 0.0199 | 0.0199 | 0.0199 | N/A | N/A | N/A |
| Scenario 1 | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0.4566 | 1.0 | Pass |
| Scenario 2 | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0.4566 | 1.0 | Pass |

So, the device is to qualify for SAR test exemption, the exemption report is in lieu of the SAR report.

--End of the Report--



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