



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100021303

Page: 1 of 10

RF Exposure Report

Application No.: SZCR2601000213AT
Applicant: FOXX Development Inc.
Address of Applicant: 3480 Preston Ridge Road, Suite500, Alpharetta, Georgia 30005, United States
Manufacturer: FOXX Development Inc.
Address of Manufacturer: 3480 Preston Ridge Road, Suite500, Alpharetta, Georgia 30005, United States
Equipment Under Test (EUT):
EUT Name: 4G LTE Dual-View Dash Cam
Model No.: VI03
Trade Mark: MIRO
FCC ID: 2AQRM-VI03
FCC Rules 47 CFR § 2.1091
Standard(s) : FCC Rules 47 CFR § 1.1310
KDB 447498 D04 interim General RF Exposure Guidance v01
Date of Receipt: 2026-01-14
Date of Test: 2026-03-10 to 2026-06-03
Date of Issue: 2026-06-04

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu

Keny 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		2026-06-04		Original

Authorized for issue by:				
		Martin Tang		
		Martin Tang/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:	Input: DC 5V,1A, 5W via USB-C port OBD model: OBDII-G Input: DC 12V-24V,1.2A; Output: DC 5V,2.5A		
Cable(s):	USB-C cable : about 3.3m unshielded with voltage converter(Input: DC 12-30V; Output: DC 5V,2.4A) DC cable(OBD): about 3.5m unshielded		
For 2.4G WiFi:			
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz;802.11n(HT40)): 2422MHz to 2452MHz		
Modulation Type:	802.11b: DSSS (DBPSK, DQPSK, CCK); 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM)		
Number of Channels:	802.11b/g/n(HT20:11;802.11n(HT40):7		
Channel Spacing:	5MHz		
Antenna Type:	FPC Antenna		
Antenna Gain:	1.11dBi		
For LTE:	Contains FCC ID: XMR2023EG800QNA		
Characteristics	Description		
Radio System Type	☒ LTE		
Modulation Type	QPSK, 16QAM		
Supported Frequency Range	Band	TX	RX
	LTE Band 2	1850 to 1910 MHz	1930 to 1990 MHz
	LTE Band 4	1710 to 1755 MHz	2110 to 2155 MHz
	LTE Band 5	824 to 849 MHz	869 to 894 MHz
	LTE Band 12	699 to 716 MHz	729 to 746 MHz
	LTE Band 13	777 to 787 MHz	746 to 756 MHz
	LTE Band 66	1710 to 1780 MHz	2110 to 2200 MHz

Antenna Type:	FPC Antenna
Antenna Gain:	Band 2: 1.00dBi Band 4: 1.03dBi Band 5: -0.58dBi Band 12: 1.78dBi Band 13: 2.80dBi Band 66: 0.49dBi Note: The antenna gain is provided by the manufacturer.
For 5G WiFi:	
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels) U-NII-2A: 5260-5320MHz (4 Channels) U-NII-2C: 5500-5700MHz (11 Channels) U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-1: 5190-5230MHz (2 Channels) U-NII-2A: 5270-5310MHz (2 Channels) U-NII-2C: 5510-5670MHz (5 Channels) U-NII-3: 5755-5795MHz (2 Channels)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ax 20: 20MHz; 802.11n/ax 40: 40MHz
DFS Function:	Slave without Radar detection
TPC Function:	Support TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	U-NII-1: 1.93dBi U-NII-2A: 0.98dBi U-NII-2C: 1.90dBi U-NII-3: 0.42dBi;

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.

Remark: This product has two types of power supply, USB-C with voltage converter, OBD only the USB-C with voltage converter was tested in this report, Considering to the difference, there is no impact on RF characteristics.

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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2.3 Test Location

All tests were performed at:

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No tests were sub-contracted.

2.4 Test Facility

• 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.

2.5 Deviation from Standards

None

2.6 Abnormalities from Standard Conditions

None



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3 FCC Radiofrequency radiation exposure limits

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

TABLE 1 TO § 1.1310(E)(1)—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3–3.0	614	1.63	*(100)	≤6
3.0–30	1842/f	4.89/f	*(900/f ²)	<6
30–300	61.4	0.163	1.0	<6
300–1,500			f/300	<6
1,500–100,000			5	<6
(ii) 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
300–1,500			f/1500	<30
1,500–100,000			1.0	<30

f = frequency in MHz. * = Plane-wave equivalent power density.

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

Exposure condition for simultaneous transmission operations

Either SAR-based or MPE-based exemption may be considered for test exemption for fixed, mobile, or portable device exposure conditions; therefore, the contributions from each exemption in conjunction with the measured SAR (Evaluated_k term) shall be used to determine exemption for simultaneous transmission according to Formula (C.1) [repeated from § 1.1307(b)(3)(ii)(B)].

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1 \quad (C.1)$$

Remark:

a -number of fixed, mobile, or portable RF sources claiming exemption using the §1.1307(b)(3)(i)(B) formula for P_{th}, including existing exempt transmitters and those being added.

b -number of fixed, mobile, or portable RF sources claiming exemption using the applicable § 1.1307(b)(3)(i)(C) Table 1 formula for Threshold ERP, including existing exempt transmitters and those being added.

c -number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance.

P_i -the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive).

P_{th,i} -the exemption threshold power (P_{th}) according to the § 1.1307(b)(3)(i)(B) formula for fixed, mobile, or portable RF source i.

ERP_j -the available maximum time-averaged power or the ERP, whichever is greater, of fixed, mobile, or portable RF source j. ERP_{th,j} -exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least λ/2π, according to the applicable § 1.1307(b)(3)(i)(C) Table 1 formula at the location in question.

Evaluated_k -the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation.

Exposure Limit_k -either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable sources, as applicable



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4 Measurement and Calculation

4.1 Maximum transmit power

The Power Data is based on the LTE Cat 1bis Module (FCC ID: XMR2023EG800QNA) Report FG362719

Operation Band	Frequency (MHz)	Max Conducted Output Power(dBm)	Max Conducted Output (mW)	Max EIRP (dBm)	Power Density at R = 20 cm (mW/cm ²)	Limit (mW/cm ²)	MPE ratio	Result
LTE B2	1850	25.0	316.28	26.00	0.079	1.0000	0.079	Pass
LTE B4	1710	25.0	316.28	26.03	0.080	1.0000	0.080	Pass
LTE Band 5	824	25.0	316.28	24.42	0.055	0.549	0.100	Pass
LTE Band 12	699	25.0	316.28	26.78	0.095	0.466	0.204	Pass
LTE Band 13	777	25.0	316.28	27.80	0.120	0.518	0.232	Pass
LTE Band 66	1710	25.0	316.28	25.49	0.071	1.0000	0.071	Pass

Mode	Antenna Gain	gain of antenna in linear scale
LTE Band 2	1.00dBi	1.26
LTE Band 4	1.03dBi	1.27
LTE Band 5	-0.58dBi	0.87
LTE Band 12	1.78dBi	1.51
LTE Band 13	2.80dBi	1.91
LTE Band 66	0.49dBi	1.12

For 2.4G/5G WiFi:

Mode	DG (dBi)	Max.Power	EIRP (dBm)	EIRP (mW)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)	Ratio
2.4G WIFI	1.11	14.99	16.1	40.73802778	20	0.00810455	1	0.0081046
5G WIFI	1.9	14.67	16.57	45.394	20	0.00903083	1	0.0090308

Note:

1. 2.4G WIFI Power Data is based on the RF Test Report SZCR260100021302.
2. The best case gain of the Antenna:for 2.4G WiFi: 1.11dBi
3. Use the maximum power between the conducted power and ERP/EIRP to perform RF exposure exemption evaluation.
4. Normal use condition for Distance between antenna and body: $\geq 20\text{cm}$ declared by applicant

For Maximum Simultaneous Transmission:

Operation mode	MPE ratio	Limit	Result
LTE Band 13 +5G WiFi	0.241	1.0000	PASS

Conclusion:

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

5 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2601000213AT.

- End of the Report -



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