RF EXPOSURE Test Report

Report No.	:	**MTi250520017-0103E3**
Date of Issue	:	**2025-06-26**
Applicant	:	**GoDirectinc.com, Inc**
Product	:	**GEARit 4K 2-Channel Dash Cam with Color Display**
Model(s)	:	**GI-DASH-2CH-4K-BK, GI-DASH-3CH-4K-BK**
FCC ID	:	**2BKO4-GDC2**

Shenzhen Microtest Co., Ltd.

TEST REPORT

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Test Result Certification	
Applicant	GoDirectinc.com, Inc
Applicant Address	489 Yorbita Rd # B La Puente CA 91744.
Manufacturer	GoDirectinc.com, Inc
Manufacturer Address	489 Yorbita Rd # B La Puente CA 91744.
Factory	Dongguan Lingdu Electronic Technology Co.,Ltd
Factory Address	No.1, Longcheng Street, Qingxi Town, Dongguan City, Guangdong Province, China
Product description	
Product name	GEARit 4K 2-Channel Dash Cam with Color Display
Trademark	GEARit
Model name	GI-DASH-2CH-4K-BK
Series Model(s)	GI-DASH-3CH-4K-BK
Standards	47 CFR Part 2.1091
Test method	KDB 447498 D01 v06
Testing Information	
Date of test	2025-06-20 to 2025-06-24
Test Result	Pass
Prepared by:	Yanice.Xie
Reviewed by:	David Lee
Approved by:	Lewis Lian

1 RF EXPOSURE EVALUATION

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) Radiation as specified in §1.1307(b)

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)
(A) 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
(B) 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

MPE Calculation Method

Friis transmission formula: $Pd= (Pout*G)\ (4*pi*R^2)$

Where

Pd= Power density in mW/cm^2

Pout=output power to antenna in mW

G= Numeric gain of the antenna relative to isotropic antenna

Pi=3.1415926

R= distance between observation point and center of the radiator in cm(20cm)

Pd the limit of MPE, $1mW/cm^2$. If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is reached.

2 Measurement Result

BLE&2.4G WiFi:

BLE Operation Frequency: 2402-2480MHz,
2.4G WiFi Operation Frequency: 2412-2462MHz
Power density limited: 1mW/ cm2
Antenna Type: FPC Antenna
Antenna gain: 2.32 dBi
R=20cm
mW=10^(dBm/10)
Antenna gain Numeric=10^(dBi/10)= 10^(2.32/10)=1.71

BLE:

Channel Freq. (MHz)	modulation	conducted power	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm^2)	(mW/cm^2)
				(dBm)	(mW)	(dBi)	Numeric		
2402	GFSK-1M	3.41	4±1	5	3.162	2.32	1.71	0.0011	1
2440		3.39	4±1	5	3.162	2.32	1.71	0.0011	1
2480		3.47	4±1	5	3.162	2.32	1.71	0.0011	1
2402	GFSK-2M	3.57	4±1	5	3.162	2.32	1.71	0.0011	1
2440		3.49	4±1	5	3.162	2.32	1.71	0.0011	1
2480		3.56	4±1	5	3.162	2.32	1.71	0.0011	1

2.4G WIFI:

Channel Freq. (MHz)	modulation	conducted power	Tune-up power	Max		Antenna		Evaluation result at 20cm	Power density Limits
		(dBm)	(dBm)	tune-up power		Gain		Power density (mW/cm^2)	(mW/cm^2)
				(dBm)	(mW)	(dBi)	Numeric		
2412	802.11b	15.87	16±1	17	50.119	2.32	1.71	0.01701	1
2437		15.82	16±1	17	50.119	2.32	1.71	0.01701	1
2462		17.26	17±1	18	63.096	2.32	1.71	0.02142	1
2412	802.11g	16.90	16±1	17	50.119	2.32	1.71	0.01701	1
2437		16.48	16±1	17	50.119	2.32	1.71	0.01701	1
2462		17.69	17±1	18	63.096	2.32	1.71	0.02142	1
2412	802.11n H20	16.69	16±1	17	50.119	2.32	1.71	0.01701	1
2437		16.43	16±1	17	50.119	2.32	1.71	0.01701	1
2462		17.25	17±1	18	63.096	2.32	1.71	0.02142	1
2422	802.11n H40	16.26	16±1	17	50.119	2.32	1.71	0.01701	1
2437		16.10	16±1	17	50.119	2.32	1.71	0.01701	1
2452		15.98	16±1	17	50.119	2.32	1.71	0.01701	1
2412	802.11AX20	17.16	17±1	18	63.096	2.32	1.71	0.02142	1
2437		16.90	16±1	17	50.119	2.32	1.71	0.01701	1
2462		17.63	17±1	18	63.096	2.32	1.71	0.02142	1
2422	802.11AX40	17.33	17±1	18	63.096	2.32	1.71	0.02142	1
2437		16.83	16±1	17	50.119	2.32	1.71	0.01701	1
2452		16.79	16±1	17	50.119	2.32	1.71	0.01701	1

Conclusion:

BLE and 2.4G WiFi cannot work at the same time.

For the max result: 0.02142≤ 1.0 test exclusion threshold, No SAR is required.

Statement

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****** END OF REPORT ******