



# MPE REPORT

## FCC ID: 2A6VB-J2-4GW

Product Name	:	mobile dvr
Model Name	:	J2-4GW,J2-WS,J1,J912,J1-WS,J1-4G,J1-4GW,J2,J2-4G,J2-4GW,J3,J3-WS,J3-4GW,T1,T14G,T2,T2-4G,X3,X3-4GW,X4,X4-4GW,B1,B1-WS,B1-4GW
Brand Name	:	JOINLGO
Report No.	:	PTC22021102602E-FC02
Sample ID	:	PTC22021102602-01#

### Prepared for

Shenzhen joinlgo Technology Co.,Ltd.

LongHuaQu, GuanHuJieDao, XinTianSheQu, HuanGuanNanLu 72-6 Ha ChuangKeDaSha  
532, Shenzhen Guangdong 518110

### Prepared by

Precise Testing & Certification Corp., Ltd.

Building 1, No.6 Tongxin Road, Dongcheng Street, Dongguan, China

## TEST RESULT CERTIFICATION

Applicant's name : Shenzhen joinlgo Technology Co.,Ltd.  
Address : LongHuaQu, GuanHuJieDao, XinTianSheQu, HuanGuanNanLu 72-6  
Ha ChuangKeDaSha 532,Shenzhen Guangdong 518110

Manufacture's name : Shenzhen joinlgo Technology Co.,Ltd.  
Address : LongHuaQu, GuanHuJieDao, XinTianSheQu, HuanGuanNanLu 72-6  
Ha ChuangKeDaSha 532,Shenzhen Guangdong 518110

Product name : mobile dvr  
Model name : J2-4GW, J2-WS, J1, J912, J1-WS, J1-4G, J1-4GW, J2, J2-4G,  
J2-4GW, J3, J3-WS, J3-4GW, T1, T14G, T2, T2-4G, X3, X3-4GW, X4,  
X4-4GW, B1, B1-WS, B1-4GW

RF Exposure  
Procedures: : KDB 447498 D01 v06

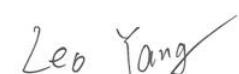
Test Date : Mar. 10, 2022 to May. 10, 2022

Date of Issue : May. 12, 2022

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of PTC, this document may be altered or revised by PTC, personal only, and shall be noted in the revision of the document.

Test Engineer:



Leo Yang / Engineer

Technical Manager:



Chris Du / Manager

## 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 <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposure</b>				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f <sup>2</sup>	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f <sup>2</sup>	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:  $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

Pd= Power density in mW/cm<sup>2</sup>

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<sup>2</sup>. 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.

## Measurement Result

R=20cm

LTE:

Band	Channel Freq. (MHz)	conducted power (dBm)	Tune-up power (dBm)	Max		Antenna		Evaluation result (mW/cm <sup>2</sup> )	Power density Limits (mW/cm <sup>2</sup> )
				tune-up power (dBm)	(mW)	Gain (dBi)	Numeric		
		2	1880	23.1	23±1	24	251.189	2.0	2.0

simultaneous transmit:

### Conclusion:

For the max result:  $0.0999 \leq 1.0$  for 1g SAR, No SAR is required

----END OF REPORT----