



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.
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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 : KDB 447498 D01 v06
Procedures: :

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.

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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 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: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$

Where

P_d = Power density in mW/cm²

P_{out} = output power to antenna in mW

G = Numeric gain of the antenna relative to isotropic antenna

π = 3.1415926

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

P_d the limit of MPE, 1mW/cm². 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	Tune-up power (dBm)	Max		Antenna		Evaluation result	Power density Limits
		(dBm)		tune-up power		Gain		(mW/cm2)	(mW/cm2)
				(dBm)	(mW)	(dBi)	Numeric		
2	1880	23.1	23±1	24	251.189	2.0	2.0	0.0999	1

simultaneous transmit:

Conclusion:

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

----END OF REPORT----