



**中认信通**

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



## **RF EXPOSURE EVALUATION REPORT**

**Applicant: Xiamen Four-Faith Communication Technology Co., Ltd.**

Address: 11th Floor, A-06 Area, No.370, Chengyi Street, Jimei, Xiamen, Fujian, China.

**FCC ID: 2A8OE-F-SC921**

**Product Name: 5G/4G Built-in Battery Bullet IP Camera**

**Model Number: F-SC921**

**Standard(s): 47 CFR §1.1307**

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

**Report Number: CR221049763-00B**

**Date Of Issue: 2023/4/20**

**Reviewed By: Sun Zhong**

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Title: Manager

**Test Laboratory: China Certification ICT Co., Ltd (Dongguan)**

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## Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

## Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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## DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR221049763-00B	Original Report	2023/4/20

## 1. RF EXPOSURE EVALUATION

### 1.1 Applicable Standard

According to §1.1307(b)(3)(i)

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least  $\lambda/2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of  $\lambda/4$  or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$ .
1.34-30	$3,450 R^2/f^2$ .
30-300	$3.83 R^2$ .
300-1,500	$0.0128 R^2 f$ .
1,500-100,000	$19.2 R^2$ .

**1.2 EUT Information ▲ :**

Operation Modes	Operation Frequency (MHz)	Maximum Conducted Power including Tune-up Tolerance (dBm)	Antenna Gain (dBi)	Allow Maximum Antenna Gain (dBi)
LTE B2/NR B2	1850-1910	25	1.56	2.63
LTE B4	1710-1755	25	-0.1	2.86
LTE B5/NR B5	824-849	25	-0.7	1.32
LTE B12/NR B12	699-716	25	-3.42	1.61
LTE B13	777-787	25	-1.18	1.94
NR B14	788-798	25	-0.78	2.19
LTE B25/NR B25	1850-1915	25	1.56	1.93
LTE B30/NR B30	2305-2315	23	-0.48	0.22
LTE B41/NR B41	2496-2690	28	1.0	1.52
LTE B66/NR B66	1710-1780	24	-0.1	3.76
NR B70	1695-1710	25	0.5	3.76
LTE B71/NR B71	663-698	25	-4.13	1.39
NR B77	3450-3550	28	-1.72	-0.13
NR B77	3700-3980	28	-1.08	-0.13

Note:

The devices may contain certified WWAN Module, FCC ID: ZMOFM160NA.

**1.2 Measurement Result**

Radio	Frequency (MHz)	$\lambda/2$ $\Pi$ (mm)	Distance (mm)	Exemption ERP (mW)	Maximum Conducted Power including Tune-up Tolerance (dBm)	Antenna Gain (dBi)	ERP		MPE-Based Exemption
							dBm	mW	
LTE B2 /NR B2	1850-1910	25.81	200	768	25	1.56	24.41	276.06	Compliant
LTE B4	1710-1755	27.92	200	768	25	-0.1	22.75	188.36	Compliant
LTE B5 /NR B5	824-849	57.94	200	422	25	-0.7	22.15	164.06	Compliant
LTE B12 /NR B12	699-716	68.31	200	358	25	-3.42	19.43	87.70	Compliant
LTE B13	777-787	61.45	200	398	25	-1.18	21.67	146.89	Compliant
NR B14	788-798	60.59	200	403	25	-0.78	22.07	161.06	Compliant
LTE B25 /NR B25	1850-1915	25.81	200	768	25	1.56	24.41	276.06	Compliant
LTE B30 /NR B30	2305-2315	20.71	200	768	23	-0.48	20.37	108.89	Compliant
LTE B41 /NR B41	2496-2690	19.13	200	768	28	1.0	26.85	484.17	Compliant
LTE B66 /NR B66	1710-1780	27.92	200	768	24	-0.1	21.75	149.62	Compliant
NR B70	1695-1710	28.17	200	768	25	0.5	23.35	216.27	Compliant
LTE B71 /NR B71	663-698	72.02	200	339	25	-4.13	18.72	74.47	Compliant
NR B77	3450-3550	13.84	200	768	28	-1.72	24.13	258.82	Compliant
NR B77	3700-3980	12.90	200	768	28	-1.08	24.77	299.92	Compliant

Note:

The devices may contain certified Module, FCC ID: ZMOFM160NA.

**Result: The device compliant the MPE-Based Exemption at 20cm distances**

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