

RF EXPOSURE REPORT

Applicant	Worldbrands S.L.
Address	Corretger 127 Parque empresarial Tactica, Paterna, Spain



Manufacturer or Supplier	1. BLUE ROCKET ® 2. WORLD BRANDS SL 3. LONGSHORE LIMITED
Address	307, Heng Ngai Jewelry Centre, 4 Hok Yuen Street East, Hunghom, Kowloon, Hong Kong
Product	MAZZY
Brand Name	N/A
Model	XT3800851
Additional Model & Model Difference	N/A
Date of tests	Mar. 18, 2020 ~ May 20, 2020

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Breeze Jiang Senior Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: May 25, 2020

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Test Report No.: FM200318N008

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM200318N008	Original release	May 25, 2020

1. CERTIFICATION

FCC ID:	2AV27-A0001
PRODUCT:	MAZZY
BRAND NAME:	N/A
MODEL NO.:	XT3800851
ADDITIONAL NO.:	N/A
APPLICANT:	Worldbrands S.L.
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION 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 = gain of antenna in linear scale

π = 3.1416

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

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-0.58	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	0	+2	-2	2
8DPSK	2402-2480	0	+2	-2	2
BT-LE	2402-2480	-3	+1	-4	-2

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	0.46
8DPSK	2441	0.16
BT-LE	2440	-3.06

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	2	-0.58	20	0.000276	1.0

--- END ---