RF EXPOSURE REPORT

Applicant	SZ Telstar CO.,LTD
Address	Telstar Technology Park No.12~14,Gangbei Industrial Zone, Ailian, Longgang District, ShenZhen

Manufacturer or Supplier	SZ Telstar CO.,LTD
Address	Telstar Technology Park No.12~14,Gangbei Industrial Zone, Ailian, Longgang District, ShenZhen
Product	Projector
Brand Name	miroir
Model	MP230
Additional Model & Model Difference	M300A
Date of tests	Nov. 23, 2016 ~ Dec. 01, 2016

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

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

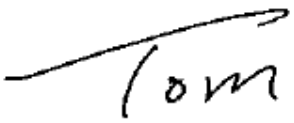
Tested by Tom Chen Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Dec. 22, 2016

Table of Contents

RELEASE CONTROL RECORD 3

1. CERTIFICATION..... 4
2. RF EXPOSURE LIMIT.....5
3. MPE CALCULATION FORMULA.....5
4. CLASSIFICATION 5
5. ANTENNA GAIN.....6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....6

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS161121N036	Original release	Dec. 22, 2016

1. CERTIFICATION

FCC ID:	2AFOW-230MIROIR
PRODUCT:	Projector
BRAND NAME:	miroir
MODEL NO.:	MP230
ADDITIONAL NO.:	M300A
APPLICANT:	SZ Telstar CO.,LTD
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTE:

1. Additional mode M300A is identical with the test model MP230, except the model number and brand name for marketing purpose.

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

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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	2.89	Integral FPCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480(BT2.1)	0.6761	2.89	20	0.000262	1.0
2402-2480(BT-LE)	6.887	2.89	20	0.002665	1.0
2412-2462(WLAN)	109.144	2.89	20	0.042241	1.0

CONCLUSION:

The WLAN2.4GHz and BT can transmit simultaneously, the formula of calculated the MPE is:

$CPD_1 / LPD_1 + CPD_2 / LPD_2 + ……etc. < 1$

CPD = Calculation power density

LPD = Limit of power density

Therefore, the worst-case situation is 0.000262 / 1 + 0.002665 / 1 + 0.042241 / 1= 0.045168, which is less than “1”. This confirmed that the device comply with FCC 1.1310 MPE limit.

--- END ---