



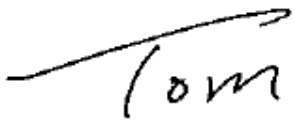

Test Report No.: FS160906N018

# RF EXPOSURE REPORT

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

Manufacturer or Supplier	SZ Telstar CO., LTD
Address	Telstar Technology Park No.12~14,Gangbei Industrial Zone, Ailian, Longgang District, ShenZhen, guangdong, china.
Product	remote control
Brand Name	N/A
Model	MP125
Additional Model & Model Difference	MP230, U5, MP318
Date of tests	Sep. 06, 2016 ~ Sep. 21, 2016
<input checked="" type="checkbox"/> FCC Part 2 (Section 2.1091) <input checked="" type="checkbox"/> KDB 447498 D01 <input checked="" type="checkbox"/> IEEE C95.1	

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

Tested by Tom Chen Supervisor / EMC Department	Approved by Glyn He Supervisor / EMC Department
	 Date: Oct. 08, 2016

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS160906N018	Original release	Oct. 08, 2016

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## 1. CERTIFICATION

<b>FCC ID:</b>	2AFOW-REMOTE
<b>PRODUCT:</b>	remote control
<b>BRAND NAME:</b>	N/A
<b>MODEL NO.:</b>	MP125
<b>ADDITIONAL NO.:</b>	MP230, U5, MP318
<b>APPLICANT:</b>	SZ Telstar CO., LTD
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

Additional models MP230, U5, MP318 are identical with the test model MP125 except model number for trading purpose.

## 2. RF EXPOSURE DEFINE

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, 16 where}$$

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

- 2) At 100 MHz to 6 GHz and for test separation distances  $> 50$  mm, the SAR test exclusion threshold is determined according to the following:
- a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)  $\cdot$  (f(MHz)/150)] mW, at 100MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)  $\cdot$  10] mW at  $> 1500$  MHz and  $\leq 6$  GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
- a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $> 50$  mm and  $< 200$  mm.
  - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq 50$  mm.
  - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

## 3. CLASSIFICATION

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



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#### 4. SAR TEST EXCLUSION THRESHOLDS

According to the KDB 447498:

The maximum average output power specified is  $-8.17\text{dBm} = 0.1524\text{mW}$

The SAR Exclusion Threshold Level:

$= 3.0 * (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$

$= 3.0 * 5 / \sqrt{2.480} \text{ mW}$

$= 9.53 \text{ mW}$

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to **comply** with SAR requirement without testing.