

RF EXPOSURE REPORT

Applicant	Dongguan Synst Electronics Co. Ltd
Address	No. 20, Fudong Road, Houjie Town, Dongguan City, Guangdong Province, China

Manufacturer or Supplier	Dongguan Synst Electronics Co. Ltd
Address	No. 20, Fudong Road, Houjie Town, Dongguan City, Guangdong Province, China
Product	Kids Karaoke Station 2 Mic with Remote
Brand Name	FAO Schwarz
Model	1020936
Additional Model & Model Difference	1016881, 10XXXXX (where XXXXX can be digits 00000-99999 which represent different customers). See item 1
Date of tests	Aug. 07, 2026

☒ **FCC Part 2 (Section 2.1093)**

☒ **KDB 447498 D01 V06**

☒ **IEEE C95.1**

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

Prepared by Andrew Sha
Project Engineer / EMC Department

Approved by Andy Zhu
Supervisor / EMC Department




Date: Sep. 17, 2026

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Test Report No.: FM2607WDG0104-1

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Test Report No.: FM2607WDG0104-1

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2607WDG0104-1	Original release	Sep. 17, 2026

1. CERTIFICATION

FCC ID:	2BEO7-1020936
PRODUCT:	Kids Karaoke Station 2 Mic with Remote
BRAND NAME:	FAO Schwarz
MODEL NO.:	1020936
ADDITIONAL NO.:	10XXXXXX (where XXXXX can be digits 00000-99999 which represent different customers).
APPLICANT:	Dongguan Synst Electronics Co. Ltd
STANDARDS:	FCC Part 2 (Section 2.1093)
	KDB 447498 D01 V06
	IEEE C95.1

Note:

Additional models (see above table) are identical with the test model 1020936 except the appearance(for color and silk-screen only), and model number for trading purposes.

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 ≤ 50 mm are determined by:

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

4. CALCULATED RESULT OF MAXIMUM CONDUCTED POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BR/EDR	2402-2480	2	± 1	1	3
BLE 1Mbps	2402-2480	4	± 1	3	5

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BR/EDR	2402	1.28
BLE 1Mbps	2440	3.55

SAR Test Exclusion Thresholds

Mode/ Frequency (MHz)	Maximum source-based time averaged conducted output power (dBm)	Minimum separation distance (mm)	Result of Eq. 1	Limit for 1-g SAR	Limit for 10-g extremity SAR	Verdict
BR/EDR	3	5	0.618	3.0	7.5	Exempt from SAR
BLE 1Mbps	5	5	0.988	3.0	7.5	Exempt from SAR

The BR/EDR and BLE 1Mbps can transmit simultaneously, the formula of calculated the MPE is:

Result of Eq.1 (BR/EDR) / Limit for 1-g SAR (BR/EDR) + Result of Eq.1 (BLE 1Mbps) / Limit for 1-g SAR (BLE 1Mbps) < 1

$(0.206/3.0) + (0.329/3.0) = 0.535 < 1$, which is less than "1" limit.

Conclusion

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.