

TEST REPORT NUMBER: (8525)097-0368(B)**TEST REPORT**

Applicant:	MINGZHI TOYS FACTORY	Fax:	---
		E-mail:	---
Address :	LIANXIA INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU, GUANGDONG PROVINCE, CHINA		
Test Date :	2025-4-21 to 2025-6-17		

Manufacturer or Supplier :	MINGZHI TOYS FACTORY
Address :	LIANXIA INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU, GUANGDONG PROVINCE, CHINA
Sample Description:	Brookstone Speedster
Model number:	719466BRS
Additional Model :	MZ99-1A
Rated Voltage:	DC 3V (2*1.5V AA batteries)
FCC ID :	2BOZQ-MZ99-1A
The submitted sample of the above equipment has been tested according to following standard(s)	
47 CFR Part 15, Subpart C Section 15.227	
CONCLUSION: The submitted sample was found to COMPLY with the test requirement	

Assistant Manager



Name: Nick Lung

Date: JUN 17, 2025

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2 General Information

2.1 Client Information

Applicant:	MINGZHI TOYS FACTORY
Address of Applicant:	LIANXIA INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU, GUANGDONG PROVINCE, CHINA
Manufacturer:	MINGZHI TOYS FACTORY
Address of Manufacturer:	LIANXIA INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU, GUANGDONG PROVINCE, CHINA

2.2 General Description of EUT

Product Name:	Brookstone Speedster
Test Model No	719466BRS
Trade Mark:	N/A
Software Version:	V1.0
Hardware Version:	V1.0
Sample Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable
EUT Power Supply:	DC 3V (2*1.5V AA batteries)

2.3 General Description of 2.4G custom

Operation Frequency:	27MHz
Modulation Technique:	Non Frequency Hopping Spread Spectrum(NFHSS)
Modulation Type:	ASK
Number of Channel:	1
Test Software of EUT:	e3
Antenna Type:	Spring soft antenna
Antenna Gain:	3dBi

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Standard Requirement

447498 D04 Interim General RF Exposure Guidance v01

3.2. SAR Test Reduction Guidance

SAR test reduction procedures [Glossary] allow using a particular set of test data as representative of other, similar, test conditions. This may be applied for data within different test positions (e.g. body, head, extremity), wireless modes (e.g. Wi-Fi, cellular), and frequency bands. This test reduction process provides for the use of test data for one specific channel, while referencing to those data for demonstrating compliance in other required channels for each test position of an exposure condition, within the operating mode of a frequency band. This is limited specifically to when the reported 1-g or 10-g SAR for the mid-band or highest output power channel meets any of the following conditions.

3.1.2 Limits

2.1.2 1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A), a single RF source is *exempt RF device* (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

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3.1.3 EUT RF Exposure

Measurement Data

$$\text{EIRP} = E_{\text{Meas}} + 20 \log(d_{\text{Meas}}) - 104.7$$

where

E_{IRP} is the equivalent isotropically radiated power, in dBm
 E_{Meas} is the field strength of the emission at the measurement distance, in dB μ V/m
 d_{Meas} is the measurement distance, in m

Channel	EIRP (dB μ V/m)	EIRP (dBm)	ERP (dBm)	Maximum tune-up Power (mW)	Exclusion threshold (mW)
27MHz	55.84	-41.95	-44.10	0.0054	1.0

$$\text{ERP} = \text{EIRP} - 2.15 \text{ dB} = -41.95 - 2.15 = -44.10 \text{ dBm}$$

Remark: The Max Conducted Peak Output Power data refer to report Report No.: (8525)097-0386(A)

*** END OF REPORT ***