

# **TEST REPORT**

Product Name : M1 Bluetooth Mouse

Brand Mark : SATECHI

Model No. : ST-ABTCMM

ST-ABTCMS, ST-ABTCMG, ST-ABTCMP,

ST-ABTCMR, ST-ABTCMB,

Extension model : ST-ABTCMK, ST-ABTCMV, ST-ABTCML,

ST-ABTCMO, ST-ABTCMY

FCC ID : ZE9-ST-ABTCM1

Report Number : BLA-EMC-202206-A1003

Date of Sample Receipt : 2022/6/2

**Date of Test** : 2022/6/2 to 2022/6/16

**Date of Issue** : 2022/6/16

**Test Standard** 47 CFR Part 1.1307, Part 2.1093, KDB

447498

Test Result : Pass

Jozu Blue Zhong Prepared for:

#### **SARIANA LLC**

7365 Mission Gorge Road, Suite G, San Diego, CA 92120, USA
Prepared by:

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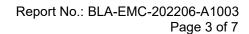


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#### **REPORT REVISE RECORD**

Version No.	Date	Description	
00	2022/6/16	Original	







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## 1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	PASS





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#### 2 GENERAL INFORMATION

Applicant	SARIANA LLC	
Address	7365 Mission Gorge Road, Suite G, San Diego, CA 92120, USA	
Manufacturer	SARIANA LLC	
Address	7365 Mission Gorge Road, Suite G, San Diego , CA 92120, USA.	
Factory	ShenZhen Wintop Technology Co., Ltd	
Address	No. 388 Bihu Road, Fenggang Town, Dongguan city, Guangdong Province.	
Product Name M1 Bluetooth Mouse		
Test Model No.	ST-ABTCMM	
Extension model	ST-ABTCMS, ST-ABTCMG, ST-ABTCMP, ST-ABTCMR, ST-ABTCMB, ST-ABTCMK, ST-ABTCMV, ST-ABTCML, ST-ABTCMO, ST-ABTCMY	
Note	All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are model name for commercial purpose.	

## 3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	V1.0		
Software Version	V1.0		
Operation Frequency:	2402MHz-2480MHz		
Modulation Type:	GFSK		
Channel Spacing:	2MHz		
Number of Channels:	40		
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi (Provided by the applicant)		



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## **4 LABORATORY LOCATION**

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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No tests were sub-contracted.





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#### 5 RF EXPOSURE COMPLIANCE REQUIREMENT

#### 5.1 STANDARD REQUIREMENT

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### 5.2 LIMITS

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:

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

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation 17

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  $\leq$  5 mm, a distance of 5 mm is applied to determine SAR test exclusion

#### 5.3 EUT RF EXPOSURE

Operational Mode: BLE						
Channel	Maximum Peak Conducted	Tune up tolerance (dB)	Maximum tune-up Power		Calculated	Exclusion
Chamilei	Output Power (dBm)		(dBm)	(mW)	value	threshold
2402 MHz	-3.063	±1	-2.063	0.62	0.19	2.0
2442 MHz	-3.75	±1	-2.75	0.53	0.17	3.0
2480 MHz	-4.362	±1	-3.362	0.46	0.15	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

#### ----END OF REPORT----

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