

TEST REPORT

Product Name : Remote control

Brand Mark : N/A

Model No. : RF439B

FCC ID : S4X-RF439B

Report Number : BLA-EMC-202111-A6903

Date of Sample Receipt : 2021/11/12

Date of Test : 2021/11/15 to 2021/11/19

Date of Issue : 2021/11/19

Test Standard 47 CFR Part 1.1307, Part 2.1093, KDB

447498

Test Result : Pass

Jozu Blue Thong

Prepared for:

Shenzhen C&D Electronics Co., Ltd.

Building 2, Xia You Song Mountaintop Industrial Di YouSong Village, Longhua Town, Bao'an District Shenzhen, Guangdong China

Prepared by:

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Approved by:

Review by:

Date:







Page 2 of8

REPORT REVISE RECORD

Version No.	Date	Description	
00	2021/11/19	Original	



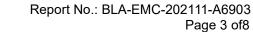




TABLE OF CONTENTS

1	T	EST SUMMARY			4
•	-				
2	G	SENERAL INFORMATION			5
3	G	SENERAL DESCRIPTION OF E.U.T	•••••		5
4	L	ABORATORY LOCATION		•••••	6
5	R	RF EXPOSURE COMPLIANCE REQUIREMENT			7
		STANDARD REQUIREMENT			
	5.2	LIMITS			7
	53	FLIT RE EXPOSURE			7



Page 4 of8

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





Page 5 of8

2 GENERAL INFORMATION

Applicant	Shenzhen C&D Electronics Co., Ltd.		
Address	Building 2, Xia You Song Mountaintop Industrial Di YouSong Village, Longhua Town, Bao'an District Shenzhen, Guangdong China		
Manufacturer	Shenzhen C&D Electronics Co., Ltd.		
Address	9/F, Tower 9A, Baoneng Science & Technology Park, 1Qingxiang Road, Longhua District, Shenzhen		
Factory	Shenzhen C&D Electronics Co., Ltd.		
Address	9/F, Tower 9A, Baoneng Science & Technology Park, 1Qingxiang Road, Longhua District, Shenzhen		
Product Name	Remote control		
Test Model No.	RF439B		

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	V1.0
Software Version	V1.2
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	PCB Antenna
Antenna Gain:	4.42dBi(Provided by the applicant)



Page 6 of8

4 LABORATORY LOCATION

All tests were performed at:

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

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No tests were sub-contracted.





Page 7 of8

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 ≤ 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 calculation¹⁷

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 Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated	Exclusion
Chamile			(dBm)	(mW)	value	threshold
2402 MHz	0.589	±1	1.589	1.44	0.45	2.0
2442 MHz	-0.288	±1	0.712	1.18	0.37	3.0
2480 MHz	-0.785	±1	0.215	1.05	0.33	1
Conclusion: the calculated value ≤3.0, SAR is exempted.						

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be



Page 8 of8

