

	RF Exposure Report				
Report No.:	FCC_RF Exposure_SL21031201-SMK-001 Rev_2.0-R1T				
FCC ID:	2AW3A-1WWG20R1TKFB				
Test Model:	R1T				
Series Model:	N/A				
Received Date:	04/23/2021				
Test Date:	04/23/2021-08/03/2021				
Issued Date:	08/03/2021				
Applicant:	Rivian Automotive, LLC				
Address:	13250 North Haggerty Rd. Plymouth, Michigan 48170				
Manufacturer:	SMK Manufacturing, Inc				
Address:	Calle Aguila Azteca #19308, Nave No.B Planta 2, Col. Bajamaq El Aguila Tijuana B.C. Mexico C.P. 22215				
Issued By:	Bureau Veritas Consumer Products Services, Inc.				
Lab Address:	775 Montague Expressway, Milpitas, CA 95035				
Test Location (1):	775 Montague Expressway, Milpitas, CA 95035				
FCC Registration / Designation Number:	540430				
	ACCREDITED TESTING CERT # 2742-01				
Ily with our prior written permission. The port are not indicative or representativ less specifically and expressly noted. ovided to us. You have 60 days from wever, that such notice shall be in writ all constitute your unqualified acceptar ention, the uncertainty of measuremen	copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitten is report sets forth our findings solely with respect to the test samples identified herein. The results set forth in thi e of the quality or characteristics of the lot from which a test sample was taken or any similar or identical produc Our report includes all of the tests requested by you and the results thereof based upon the information that you date of issuance of this report to notify us of any material error or omission caused by our negligence, provided ing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed tim- ice of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specifi t has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report roduct certification, approval, or endorsement by A2LA or any government agencies.				



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Release Control Record

Issue No.	Description	Date Issued	
FCC_RF Exposure_SL21031201-SMK-001 Rev_2.0-R1T	Orignal Release	08/03/2021	



Certificate of Co						
	onformity					
Product:	Rivian R1 Key Fob					
Brand:	Rivian					
Test Model:	R1T					
Series Model:	N/A					
Sample Status:	Engineering sample					
Applicant:	Rivian Automotive, LLC					
Test Date: 04/23/2021-08/03/2021						
Standards:	FCC Part 2 (Section 2.1093)	FCC Part 2 (Section 2.1093)				
	KDB 447498 D01 General RF Exposur	e Guidance v06	3			
	IEEE C95.1-1992					
Branch, and found co & Equipment Under	nt has been tested by Bureau Veritas compliance with the requirement of the ab Test (EUT) configurations represented sample's EMC characteristics under the	ove standards. herein are true	The test record, data evaluate and accurate accounts of			
	Jele	,				
Prepared by :	Said Abdelwafi/ Test Engineer	, Date:	08/03/2021			
Prepared by :	Said Abdelwafi/ Test Engineer	, Date:	08/03/2021			
Prepared by :	Said Abdelwafi/ Test Engineer Grang Chou	, Date:	08/03/2021			
Prepared by :	-		08/03/2021			



2 Evaluation Result

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

 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 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 50mm)·(f(MHz)/150)] mW, at 100MHz to 1500 MHz
 - b) [Threshold at 50 mm in step 1) + (test separation distance 50 mm)·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(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 ½ 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 SAR Test Exclusion Thresholds

Mode	Frequency (MHz)	Max. Power (mW)	Tune-Up Tolerance	Min. test separation distance (mm)	SAR test exclusion calculation value	1-g SAR test exclusion thresholds	Result
DATA RATE 2Mbps	2402	2.14	±1dB	5	0.8362	3	Pass

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2. The antenna type is SMT antenna with 3.7 dBi gain.

3. Calculate SAR test exclusion thresholds from condition "1" formulas.

4 Conclusion

The SAR evaluation is not required.

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