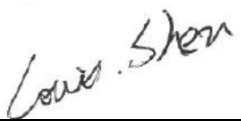



## SAR Exclusion Evaluation Report

Applicant : LEXON  
Product Type : MINA L AUDIO  
Trade Name : LEXON  
Model Number : LH76  
Date of Received : Jul. 15 , 2021  
Test Period : Jul. 15 ~ Aug. 02 , 2021  
Date of Issued : Aug. 20, 2021

### Issue by

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American Association for Laboratory Accreditation number: 3464.02  
Test Firm MRA designation number: CN1168

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## Revision History

Rev.	Issue Date	Revisions
00	Aug. 20, 2021	Initial Issue



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## 1. Description of Equipment under Test (EUT)

Applicant	LEXON 125 avenue des Champs Elysées 75008 Paris France		
Manufacturer	LEXON 125 avenue des Champs Elysées 75008 Paris France		
Product Type	MINA L AUDIO		
Trade Name	LEXON		
Model Number	LH76		
IC	24406-LH076		
Frequency Range	Operate Band		Frequency Range (MHz)
	Bluetooth BR		2402 ~ 2480
	Bluetooth EDR		2402 ~ 2480
Antenna Information	Model	Type	Max. Gain (dBi)
	2.4G ANT	PCB Antenna	-0.58

The above equipment was tested by A Test Lab Techno Corp. For compliance with the requirements set forth in CANADA RSS-102. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.



## 2. Reference Applicable Standard

Standard	Description	Version
RSS-102	Radio Frequency (RF) Exposure Compliance of Radiocommunications Apparatus (All Frequency Bands)	Issue 5
IEEE 1528	IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head From Wireless Communications Devices: Measurement Techniques.	2013
ANSI/IEEE C95.3	IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz-300 GHz.	2002
FCC 47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices.	---
FCC KDB 865664 D01	SAR measurement 100 MHz to 6 GHz - describes SAR measurement procedures for devices operating between 100 MHz to 6 GHz	v01r04
FCC KDB 865664 D02	RF Exposure Reporting - provides general reporting requirements as well as certain specific information required to support MPE and SAR compliance.	v01r02
FCC KDB 447498 D01	General RF Exposure Guidance - provides guidance pertaining to RF exposure requirements for mobile and portable device equipment authorizations.	v06

### 3. SAR Test Exclusion

As RF exposure evaluation of portable device, SAR test is not required when the evaluation results . According to RSS-102 Issue5 Section 2.5.1, unless excluded by specific test procedures, portable devices shall include SAR data for equipment approval. SAR test necessity will be based on the exclusion result.

Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance 4, 5.

Frequency (MHz)	Limits				
	At separation distance of $\leq$ 5mm	At separation distance of 10mm	At separation distance of 15mm	At separation distance of 20mm	At separation distance of 25mm
$\leq$ 300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

Frequency (MHz)	Exemption Limits				
	At separation distance of 30mm	At separation distance of 35mm	At separation distance of 40mm	At separation distance of 45mm	At separation distance of $\geq$ 50mm
$\leq$ 300	223 mW	254 mW	284 mW	315 mW	345 mW
450	141 mW	159 mW	177 mW	195 mW	213 mW
835	80 mW	92 mW	105 mW	117 mW	130 mW
1900	99 mW	153 mW	225 mW	316 mW	431 mW
2450	83 mW	123 mW	173 mW	235 mW	309 mW
3500	86 mW	124 mW	170 mW	225 mW	290 mW
5800	56 mW	71 mW	85 mW	97 mW	106 mW



### 3.1 Conducted Power

The conducted power turn-up tolerance, please reference manufacturer specification.

Operate Band	Modulation Type	Data Rate (Mbps)	Frequency (MHz)	Packet Type	Average Power (dBm)
Bluetooth BR	GFSK	1	2402.0	DH1	-0.97
				DH3	0.64
				DH5	-1.10
			2441.0	DH1	-0.56
				DH3	1.39
				DH5	-0.65
			2480.0	DH1	-0.21
				DH3	<b>1.74</b>
				DH5	-0.29
Bluetooth EDR	$\pi/4$ -DQPSK	2	2402.0	2DH1	-1.76
				2DH3	-0.59
				2DH5	-2.39
			2441.0	2DH1	-1.31
				2DH3	-0.46
				2DH5	-1.94
			2480.0	2DH1	-0.94
				2DH3	<b>0.54</b>
				2DH5	-1.52



### 3.2 Antenna Location

Ant. Used	Antenna to user distance (mm)					
	Side 1	Side 2	Side 3	Side 4	Side 5	Side 6
Bluetooth Antenna	5	5	5	5	5	5

Note: We use a minimum distance of 5mm for Bluetooth function.

### 3.3 Evaluation Results

The evaluation of SAR test reduction according to RSS-102 Issue5 Section 2.5.1

SAR test is not required when the results showed "SAR is not required".

SAR test reduction							
Ant. Used	Operate Band	Frequency (MHz)	Distance (mm)	Avg. Turn-up Power			Exemption Limit (mW)
				Conducted	E.I.R.P.	Max. Results	
				(dBm)	(dBm)	(mW)	
Bluetooth Antenna	Bluetooth	2480	5	1.74	1.16	1.16	≅4

#### Exclusion Considerations: SAR is not required

- Note:
1. Every request of distance from the test surface are the same so only need to present one result exclusion.
  2. The test reduction for distance less than 50mm. Use the max power to make sure minimum distance by evaluated for SAR testing.