



**FCC Part 1 Subpart I  
FCC Part 2 Subpart J  
ISED RSS-102 ISSUE 5**

**RF EXPOSURE REPORT**

**FOR**

**IQBUDS 2 PRO HEARING AID - LEFT**

**MODEL NAME: NU320**

**FCC ID: 2AKMG-NU320L**

**REPORT NUMBER: R13976514-E1**

**ISSUE DATE: 2021-10-05**

**Prepared for  
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## REVISION HISTORY

Ver.	Issue Date	Revisions	Revised By
1	2021-09-28	Initial Issue	Brian T. Kiewra
2	2021-10-05	Revised EUT description and model number.	Brian T. Kiewra

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# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** Nuheara Limited  
190 Aberdeen Street  
Northbridge, WA 6003, Australia

**EUT DESCRIPTION:** Should be IQbuds 2 PRO Hearing Aid - Left

**MODEL:** NU320

**SAMPLE RECEIPT DATE:** 2021-09-09

**TEST DATE:** 2021-09-23

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 1 SUBPART I & PART 2 SUBPART J	Compliant

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL LLC based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

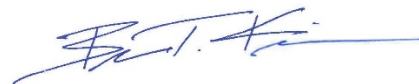
**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.

Approved & Released  
For UL LLC By:



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UL – Consumer Technology Division

Prepared By:



Brian T. Kiewra  
Project Engineer  
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## 2. TEST METHODOLOGY

All calculations were made in accordance with FCC Parts 2.1091, 2.1093 and KDB 447498 D01 v06 and IC Safety Code 6, RSS 102 Issue 5.

## 3. REFERENCES

Output power, duty cycle and antenna gain data is excerpted from the provided documentation.

## 4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification # 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
<input type="checkbox"/>	Building: 12 Laboratory Dr RTP, NC 27709, U.S.A	US0067	2180C	703469
<input checked="" type="checkbox"/>	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A		27265	

## 5. DEVICE UNDER TEST

The EUT is the left earbud of a wireless headset with BT/BLE/10.6MHz transceiver.

Other details regarding the EUT are documented in the applicable test reports and product documentation.

## 6. STANDALONE SAR TEST EXCLUSION CONSIDERATIONS

### 6.1. FCC

SAR test exclusion in accordance with KDB 447498.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

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

- $f_{(\text{GHz})}$  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

This test exclusion is 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  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

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:

1.  $\{[\text{Power allowed at numeric threshold for 50 mm}]\} + [(\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]$  mW, for 100 MHz to 1500 MHz
  - $f_{(\text{MHz})}$  is the RF channel transmit frequency in MHz
2.  $\{[\text{Power allowed at numeric threshold for 50 mm}]\} + [(\text{test separation distance} - 50 \text{ mm}) \cdot 10]$  mW, for  $> 1500$  MHz and  $\leq 6$  GHz

#### SAR Exclusion Calculation Table for Portable Devices (separation distance $< 50$ mm)

Tx	Frequency (MHz)	AVG Output power		Separation distances (mm)	Calculated Threshold
		dBm	mW		
BT - GFSK	2480	9.00	8	5	2.5

#### Conclusion:

The computed values are  $< 3$ ; therefore, the device qualifies for Standalone SAR test exclusion.

Note: Worst-case BT power reported to cover BT and BLE.

Note: 10.6MHz is excluded from consideration.

## END OF TEST REPORT