
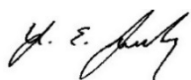




**Test Report for Hydration Labs, Inc.**  
**Report No. EY0069-13 Issue 2**



## TEST REPORT

Applicant	Hydration Labs, Inc.
Address	529 Main Street Suite 304, Boston, MA 02129
FCC ID	2AMTV-4000029
ISED IC	22810-4000029
Product Marketing Name (PMN)	Bevi SBC Gen 2
Hardware Version Identification Number (HVIN)	400-0029
Additional HVINs	None
Firmware Version Identification Number (FVIN)	Bevi OS 2
Date of Evaluation	Apr 15, 2025
FCC Test Firm DN Canada CABID	US1028 US0106
The tests have been carried out according to the requirements of the following standard:	
<input checked="" type="checkbox"/> <b>FCC Parts 24.232(c), 27.50(d)(4), 27.50(c)(10)</b> <input checked="" type="checkbox"/> <b>ISED Canada RSS-133 Issue 7 Section 5.5, RSS-139 Issue 4 Section 5.5, RSS-130 Issue 2 Section 4.6</b>	
<b>CONCLUSION: EUT was found to <u>COMPLY</u> with the requirements above</b>	
Prepared by Nisha Patel Wireless Engineer I	Approved by Yunus Faziloglu EMC Manager
	
Report Issue Date: May 2, 2025	Issue Number: 2
<small>This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <a href="https://www.cps.bureauveritas.com/terms-conditions">https://www.cps.bureauveritas.com/terms-conditions</a> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.</small>	



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED	PREPARED BY	APPROVED BY
1	Original release	Apr 15, 2025	NP	YF
2	To address TCB Review Findings: FVIN updated to Bevi OS 2	May 2, 2025	NP	YF



## 1 SUMMARY OF EVALUATION

The EUT was evaluated against the following requirements:

STANDARD SECTION		TEST	APPLICABLE	RESULT
FCC	RSS			
24.232(c) 27.50(d)(4) 27.50(c)(10)	RSS-133 Issue 7 Section 5.5 RSS-139 Issue 4 Section 5.5 RSS-130 Issue 2 Section 4.6	ERP/EIRP	Y	Pass

**Note 1:** This test report calculates ERP/EIRP of the EUT using antenna port conducted power results from the original test report in LTE bands 2, 4 and 12 (FCC ID: XMR2022SC680ANA). Only the highest conducted output power mode is considered for worst-case. Antenna gains reflect the highest specified gain of the new antenna per operating band.

## 2 GENERAL DESCRIPTION OF EUT

<b>Operating Frequency Band</b>	<b>LTE Band 2:</b> 1850-1910MHz <b>LTE Band 4:</b> 1710-1755MHz <b>LTE Band 12:</b> 699-716MHz
<b>Antenna Gain</b> (Customer Supplied Information)	<b>LTE Band 2:</b> 5.93 dBi <b>LTE Band 4:</b> 5.93 dBi <b>LTE Band 12:</b> 2.6 dBi

## 3 EVALUATION RESULTS

### ERP/EIRP

LTE Band	BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Highest Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
2	20	QPSK	1	0	1900	23.32	5.93	29.25	0.841	2	Pass
4	20	QPSK	1	0	1720	23.15	5.93	29.08	0.809	1	Pass
Highest EIRP (dBm) = Highest Conducted Power (dBm) + Antenna Gain (dBi)											
Highest EIRP (W) = $10^{(\text{Highest EIRP (dBm)}/10)} / 1000$											
LTE Band	BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Highest Conducted Power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (W)	Limit (W)	Result
12	10	QPSK	1	0	711	23.56	2.6	24.01	0.252	3	Pass
Highest ERP (dBm) = Highest Conducted Power (dBm) + Antenna Gain (dBi) -2.15											
Highest ERP (W) = $10^{(\text{Highest ERP (dBm)}/10)} / 1000$											

**---END OF REPORT---**