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:

☒ **FCC Parts 24.232(c), 27.50(d)(4), 27.50(c)(10)**
☒ **ISED Canada RSS-133 Issue 7 Section 5.5, RSS-139 Issue 4 Section 5.5, RSS-130 Issue 2 Section 4.6**

CONCLUSION: EUT was found to COMPLY with the requirements above

Prepared by Nisha Patel Wireless Engineer I	Approved by Yunus Faziloglu EMC Manager
	
Report Issue Date: May 2, 2025	Issue Number: 2

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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

Operating Frequency Band	**LTE Band 2:** 1850-1910MHz **LTE Band 4:** 1710-1755MHz **LTE Band 12:** 699-716MHz
Antenna Gain **(Customer Supplied Information)**	**LTE Band 2:** 5.93 dBi **LTE Band 4:** 5.93 dBi **LTE Band 12:** 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^(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^(Highest ERP (dBm)/10) / 1000											

---END OF REPORT---