

Bureau Veritas Consumer Product Services, Inc.	Test Report Number:
One Distribution Center Circle #1, Littleton, MA 01460	EW0071-7 Issue 1



## CFR Title 47 FCC Part 2.1091

### Report Exhibit

### Prepared for Bevi

This report presents the environmental impact of human exposure to radiofrequency radiation for

**Model 700-0008**

**Bevi Countertop 1.0**

Prepared by

Haiyan Xu

EMC Engineer

Approved by

Ryan McGann

Engineer

Issue date: 2022-07-18

Report No: EW0071-7 Issue 1



This test result relates only to the described test object.

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Customer must not use this test report as the product certification of each accreditation body or each national organization.  
The test is traceable to national standard or related international standard

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## 1 Device Under Test Information

### 1.1 Product Information

Project Number:	W0071
Applicant Information:	Bevi
	529 Main St. Suite 304 Charlestown, MA 02129
Test Item Description:	Bevi Countertop 1.0
Model Number:	700-0008
DUT Sample Number:	CT7008342211024
Exposure Category of DUT:	Mobile
Multiple Simultaneous RF Sources:	No
Type of Test:	FCC RF Exposure Exemption Evaluation
Test Method:	CFR Title 47 FCC Part 1.1307(b)(3)
Deviations from Standard:	None
Sample Receipt Date:	April 6, 2022
Evaluation Date:	July 11, 2022

### 1.2 Technical Information

FCC ID:	2AMTV-700008
Exposure Category of Transmitter:	Mobile
Maximum Conducted Output Power (dBm):	2.4 GHz: 23.8 dBm 5 GHz: 13.1 dBm
Maximum Tune-up Tolerance (dB):	N/A
Maximum Antenna Gain (dBi):	2.4 GHz: 2.5 dBi 5 GHz: 4.5 dBi

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## 2 Test Laboratory Information

<b>Location of Test Lab:</b>	One Distribution Center Circle #1 Littleton, MA 01460 (978) 486-8880
<b>Key Contact:</b>	Yunus Faziloglu Yunus.faziloglu@bureauveritas.com
<b>Laboratory Accreditations:</b>	BUREAU VERITAS CONSUMER PRODUCTS SERVICES, INC is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.
<b>ISO/IEC 17025:2017:</b>	1627-01
<b>FCC Test Site Number:</b>	US1028

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### 3 RF Exposure – Determination of Exemption – FCC Section 1.1307(b)(3)(i)

#### 3.1 SAR-based Exemption – 1.1307(b)(3)(i)(B)

##### 3.1.1 Definition

The available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold  $P_{th}$  (mW) for distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive).

##### 3.1.2 Exemption Calculation

$$P_{th}(mW) = \begin{cases} ERP_{20cm}(d/20cm)^x & d \leq 20 \text{ cm} \\ ERP_{20cm} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where:

$$x = -\log_{10} \left( \frac{60}{ERP_{20cm}\sqrt{f}} \right) \quad f \text{ is in GHz;}$$

$$ERP_{20cm}(mW) = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

##### 3.1.3 RF Single Source Exemption Results

Radio	Transmit Frequency (GHz)	Radio Power (dBm)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (Lin eq.)	ERP (mW)	ERP <sub>20cm</sub> (mW)	Separation Distance (cm)	P <sub>th</sub> (mW)
A	2.412	23.8	240	2.5	1.778	260	3060	20	3060
A	5.200	13.1	20.4	4.5	2.818	35.1	3060	20	3060

##### 3.1.4 Conclusion

The 700-0008 manufactured by Bevi meets the exemption criteria for the environmental impact of human exposure to radiofrequency radiation using the calculations performed herein.

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## Document Revisions

Version	Date	Modifier	Approved by	Changes
1	2022-07-18	HX	RM	Initial release

End of Report