



Radio Frequency Exposure Evaluation Report

For:
Soberlink Healthcare

Marketing Name:
Soberlink 7.0

Model Number:
44000000

Product Description:
Handheld Breathalyzer

FCC ID: 2ATA4-CNCT02
IC: 35108-S72026

Applied Rules and Standards:
CFR Part1 (1.1307 & 1.1310), Part 2 (2.1091),
FCC KDB 447498 D01 General RF Exposure Guidance v06
ISED RSS-102 Issue 6

Report number: EMC_SOBER_017_25001_RF_Exposure_Rev1

DATE: 2026-03-09



IC recognized #
3462B

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TABLE OF CONTENTS

1	Assessment.....	3
2	Administrative Data	4
2.1	Identification of the Testing Laboratory Issuing the EMC Test Report.....	4
2.2	Identification of the Client.....	4
2.3	Identification of the Manufacturer	4
3	Equipment under Assessment	5
3.1	EUT Specifications	5
4	RF Exposure Limits and FCC and ISED Basic Rules	6
	FCC.....	6
	ISED RSS 102.....	7
5	Evaluations.....	8
5.1	<u>FCC RF Exposure (Standalone)</u>	8
5.2	<u>ISED RF Exposure (Standalone)</u>	8
6	Revision History	9

1 Assessment

This RF Exposure evaluation report provides evidence for compliance of the below identified device with the RF Exposure limits for mobile devices as defined in FCC CFR Part 1 (1.1307 & 1.1310), Part 2 (2.1091 & 2.1093) and ISED standard RSS-102 issue 6 under worst case conditions (measured or rated RF output power, antenna gain, distance towards human body, multiple transmitter information as presented by the applicant).

In addition, maximum antenna gain or minimum distance towards the human body is calculated respectively, where relevant.

The device meets the limits as stipulated by the above given FCC and ISED rule parts based on available specifications for worst-case conditions at 2 cm distance to the body.

Company Name	Product Description	Model No.
Soberlink Healthcare	Handheld Breathalyzer	44000000

Report Authorized by:

Responsible for testing Laboratory:

Alvin, Ilarina			
2026-03-09	Compliance	(Senior Manager Regulatory Services)	
Date	Section	Name	Signature

Responsible for the Report:

Cheng Song			
2026-03-09	Compliance	(EMC Engineer)	
Date	Section	Name	Signature

The test results of this test report relate exclusively to the test item specified in Section3.

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2 Administrative Data

2.1 Identification of the Testing Laboratory Issuing the EMC Test Report

Company Name:	CETECOM Inc.
Department:	Compliance
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EMC Lab Manager:	Alvin, Ilarina
Responsible Project Leader:	Ruby, Hall

2.2 Identification of the Client

Client Firm/Name:	Soberlink Healthcare
Street Address:	7711 Center Ave Suite 400
City/Zip Code	Huntington Beach, CA 92647
Country	USA

2.3 Identification of the Manufacturer

Manufacturer's Name:	Same as Client
Manufacturers Address:	
City/Zip Code	
Country	

3 Equipment under Assessment

3.1 EUT Specifications

Product Description:	Handheld Breathalyzer
Model Name:	44000000
HW Version:	1
SW Version:	20.14
FCC-ID:	2ATA4-CNCT02
IC:	35108-S72026
FVIN	N/A
HVIN	HW-S7-01
PMN	SOBERLINK7.0
Radio Information as declared:	BLE: - Silabs BG26 SoC - Operating on channels 0–39 within the 2.4 GHz ISM band (2402–2480 MHz).
Antenna Information as declared:	PCB trace antenna Peak Gain: 2.7 dBi
Other Radios included in the device	N/A
Power Supply/ Rated Operating Voltage Range	USB-C Charger, 4.75V to 5.25V
Operating Temperature Range	Low: 0 °C, High: 50 °C
Sample Revision	☒ Production ☐ Pre-Production
EUT Dimensions	120.65mm x 63.50mm x 31.75mm
EUT Diameter	☒ < 60 cm ☐ Other _____
Note: Details about the Equipment Under Test (EUT) are provided by the client or applicant.	

4 RF Exposure Limits and FCC and ISED Basic Rules

FCC

4.1.1 § 2.1093(c)(1)

Evaluation of compliance with the exposure limits in § 1.1310 of this chapter, and preparation of an EA if the limits are exceeded, is necessary for portable devices having single RF sources with more than an available maximum time-averaged power of 1 mW, more than the ERP listed in Table 1 to § 1.1307(b)(3)(i)(C), or more than the Pth in the following formula, whichever is greater. The following formula shall only be used in conjunction with portable devices not exempt by § 1.1307(b)(3)(i)(C) at distances from 0.5 centimeters to 20 centimeters and frequencies from 0.3 GHz to 6 GHz.

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

4.1.2 § 2.1093(c)(2)

For multiple mobile or portable RF sources within a device operating in the same time averaging period, routine environmental evaluation is required if the formula in § 1.1307(b)(3)(ii)(B) of this chapter is applied to determine the exemption ratio and the result is greater than 1.

4.1.3 § 1.1307(b)(3)(ii)(B)

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation.

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure\ Limit_k} \leq 1$$

ISED RSS 102

4.1.4 Clause 6.3 SAR exemption limits

Devices operating at or below the applicable output power levels (adjusted for tune-up tolerance) specified in table 11, based on the separation distance, are exempt from SAR evaluation. The separation distance, defined as the distance between the user and/or bystander and the antenna and/or radiating element of the device or the outer surface of the device, shall be less than or equal to 20 cm for these exemption limits to apply.

Table 11: Power limits for exemption from routine SAR evaluation based on the separation distance

Frequency (MHz)	≤ 5 mm (mW)	10 mm (mW)	15 mm (mW)	20 mm (mW)	25 mm (mW)	30 mm (mW)	35 mm (mW)	40 mm (mW)	45 mm (mW)	> 50 mm (mW)
≤ 300	45	116	139	163	189	216	246	280	319	362
450	32	71	87	104	124	147	175	208	248	296
835	21	32	41	54	72	96	129	172	228	298
1900	6	10	18	33	57	92	138	194	257	323
2450	3	7	16	32	56	89	128	170	209	245
3500	2	6	15	29	50	72	94	114	134	158
5800	1	5	13	23	32	41	54	74	102	128

The exemption limits in table 11 are based on measurements and simulations of half-wave dipole antennas at separation distances of 5 mm to 50 mm from a flat phantom, which provides a SAR value of approximately 0.4 W/kg for 1 g of tissue.

For limb-worn devices where the 10 gram of tissue applies, the exemption limits for routine evaluation in table 11 are multiplied by a factor of 2.5.

For controlled-use devices where the 8 W/kg for 1 gram of tissue applies, the exemption limits for routine evaluation in table 11 are multiplied by a factor of 5.

When the operating frequency of the device is between two frequencies located in table 11, linear interpolation shall be applied for the applicable separation distance. If the separation distance of the device is between two distances located in table 11, linear interpolation may be applied for the applicable frequency. Alternatively, the limit corresponding to the smaller distance may be employed. For example, in case of a 7 mm separation distance, either use the exception value for a 5 mm separation distance or interpolate between the limits corresponding to 5 mm and 10 mm separation distances.

For implanted medical devices, the exemption limit for routine SAR evaluation is set at an output power of 1 mW, regardless of frequency.

5 Evaluations

5.1 FCC RF Exposure (Standalone)

Tech-Band	Freq-Low _[GHz]	Pwr _[dBm]	Power _[W]	Ant-G _[dBi]	EIRP _[W]	ERP _[mW]	ERP _{20cm} (mW)	$x = \log_{10}(60/ERP_{20cm}) \geq \sqrt{f_{GHz}}$	FCC 1.1307(b)(3)(i)(B) Pth _[mW]
BLE	2.4020	11.00	0.013	2.70	0.023	14.29	3060.00	1.90	38.71

Conclusion:

- The maximum RF emissions from this equipment fulfills the RF exclusion threshold limits for separation distance between the antenna and the human body greater than 2 cm. No RF Exposure evaluation is required.

5.2 ISED RF Exposure (Standalone)

Tech-Band	Freq-Low [MHZ]	Pwr _[dBm]	Power _[W]	Ant-G [dBi]	EIRP _[W]	EIRP _[mW]	Exemption limit for Routine Evaluation
BLE	2402.00	11.00	0.0126	2.70	0.02	23.44	32.91

Conclusion:

- The calculated EIRP (23.44 mW) is below the SAR exemption limit (32.91 mW) for 20 mm separation distance according to RSS-102 Clause 6.3. Therefore, the device is exempt from routine SAR evaluation.

6 Revision History

Date	Report Name	Changes to report	Report prepared by
2026-01-28	EMC_SOBER_017_25001_RF_Exposure	Initial Version	Cheng Song
2026-03-09	EMC_SOBER_017_25001_RF_Exposure_Rev1	• The report has been updated to reflect the application of the RSS-102 SAR exemption rule. • Revised Section 2.2, Identification of the Client. • Removed FVIN	Cheng Song

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