Sana Health, Inc

RF Exposure Exhibit

SCOPE OF WORK
EMC TESTING – Beta Mask, Model: BETA MK 4

REPORT NUMBER
104395865MPK-002

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DOCUMENT CONTROL NUMBER
Non-Specific Radio Report Shell Rev. December 2017 MPK

RF Exposure Exhibit
(Portable devices)

Report Number: 104395865MPK-002
Project Number: G104395865

Report Issue Date: August 23, 2020

Product Designation: Beta Mask
Model Tested: BETA MK 4

FCC ID: 2AWYY-BETA

to

47CFR 2.1093

for

Sana Health, Inc

Tested by:
Intertek
1365 Adams Court
Menlo Park, CA 94025 USA

Client:
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Report No. 104395865MPK-002	
Equipment Under Test:	Beta Mask
Trade Name:	Sana Health, Inc
Model(s) Tested:	BETA MK 4
Applicant:	Sana Health, Inc
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Applicable Regulation:	47CFR 2.1093

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1.0 RF Exposure Summary

Test	Reference FCC	Result
Radio frequency Radiation Exposure Evaluation	47 CFR§2.1093	Complies

2.0 RF Exposure Limits

2.1 FCC Limits

According to FCC KDB 447498 D01 v06, at frequency 2480 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 9.525 mW.

3.0 Test Results (Portable Configuration)

3.1 Classification

For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

3.2 EIRP calculations

The Beta Mask consists of Bluetooth Low Energy radio.

3.3 Maximum RF Power

Frequency Range (MHz)	RF Output (dBm)	Antenna Gain[1] (dBi)	Note
2402-2480	-1.04	+0.5	Conducted power measurements were taken from Report # 104395865MPK-001

[1]As declared by the manufacturer.

3.4 RF Exposure Calculation for Beta Mask

3.4.1 RF Exposure calculation for FCC KDB 447498 D01 v06

According to FCC KDB 447498 D01 v06 at frequency 2480 MHz and separation distance of ≤ 5 mm SAR Exemption limit is ≤ 9.525 mW.

Max Peak Conducted Power measured = -1.04 dBm or 0.789 mW

No duty cycle was considered.

Therefore, the Maximum EIRP calculated is -1.04 dBm (RF Conducted Power) + 0.5 dBi (Antenna Gain) = -0.54 dBm or 0.885 mW.

Results: SAR evaluation is not required since the higher of the maximum conducted or equivalent isotopically radiated power (EIRP) source-based, time averaged output power is below the exemption limit.

4.0 Document History

Revision/ Job Number	Writer Initials	Reviewers Initials	Date	Change
1.0/ G104395865	ML	KV	August 23, 2020	Original document