

RF Exposure Report

Report No.: SABCYD-WTW-P21090659

FCC ID: 2AQYP-TRACK1100

Test Model: SNT3.5 ULTRA

Received Date: Oct. 08, 2021

Test Date: Dec. 06, 2021 ~ May 28, 2022

Issued Date: May 30, 2022

Applicant: Sensolus NV

Address: Rijsenbergstraat 148D, 9000 Gent, Belgium

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location (1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City
33383, TAIWAN

**FCC Registration /
Designation Number:** 788550 / TW0003

Test Location (2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

**FCC Registration /
Designation Number:** 281270 / TW0032



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Release Control Record

| Issue No. | Description | Date Issued |
|----------------------|------------------|--------------|
| SABCYD-WTW-P21090659 | Original release | May 30, 2022 |

1 Certificate of Conformity

Product: TRACK1100

Brand: sensolus

Test Model: SNT3.5 ULTRA

Sample Status: Mass Production

Applicant: Sensolus NV

Test Date: Dec. 06, 2021 ~ May 28, 2022

Standards: FCC Part 2 (Section 2.1091)

References Test Guidance: KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Celine Chou , **Date:** May 30, 2022
Celine Chou / Senior Specialist

Approved by : Jeremy Lin , **Date:** May 30, 2022
Jeremy Lin / Project Engineer

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

| Frequency Range (MHz) | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm ²) | Average Time (minutes) |
|---|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| Limits For General Population / Uncontrolled Exposure | | | | |
| 300-1500 | ... | ... | F/1500 | 30 |
| 1500-100,000 | ... | ... | 1.0 | 30 |

F = Frequency in MHz

2.2 MPE Calculation Formula

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

r = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Calculation Result of Maximum Conducted Power

| Mode | Max AV Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|--------------|--------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| Bluetooth LE | 2.30 | 2.33 | 20 | 0.001 | 1.00 |

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

| Mode | Max ERP Power (dBm) | Max EIRP Power (dBm) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|----------------|---------------------|----------------------|---------------|-------------------------------------|-----------------------------|
| NB-IoT Band 2 | - | 26.32 | 20 | 0.085 | 1.00 |
| NB-IoT Band 4 | - | 26.33 | 20 | 0.085 | 1.00 |
| NB-IoT Band 12 | 22.68 | 24.83 | 20 | 0.060 | 0.46 |
| NB-IoT Band 13 | 22.12 | 24.27 | 20 | 0.053 | 0.51 |

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
3. $EIRP = ERP + 2.15dB$

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