

## Federal Communication Commission

Equipment Authorization Division, Application Processing Branch  
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## Certification and Engineering Bureau

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Date: Sep. 22nd, 2021

Subject: **FCC / ISED Modular Approval Statement**  
FCC Certification Number: 2AXDT-RFM004  
IC Certification Number: 26428-RFM004  
PMN: RF Module 4  
Model Name/HVIN: RFM004

## TO WHOM IT MAY CONCERN

Pursuant to Paragraphs RSP-100, Issue 12 and CFR § 15.212, we herewith declare for our module:

| Modular approval requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes | No |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| (a) The radio elements shall have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield but shall be on the module assembly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     | X  |
| The model above referred does not have its own RF shielding. This limitation is one of the reasons why Sivantos requests only the Limited Modular Approval. The module is to be used exclusively by Sivantos, integrated under controlled conditions and always assuring the total emission and immunity are within specifications. The module is a fully integrated radio module for short range wireless data exchange, including radio circuitry on board and is intended for Sivantos wireless hearing aids only. Therefore, the module cannot be used directly by end users. The behavior of the wireless module is locked by design and can only be changed by Sivantos, so the compliance of the end product is always ensured. |     |    |
| (b) If the module has modulation/data input(s), they shall be buffered in order to ensure that the module will comply with the requirements set out in the applicable Radio Standards Specification (RSS) and Part 15 under conditions of excessive data rates or over-modulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X   |    |
| (c) The module shall have its own power supply regulation on the module itself. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host product that houses the module.                                                                                                                                                                                                                                                                                                                                                                                                                                           |     | X  |
| The wireless parts of the radio module share the power supply with other digital parts, like Digital ASIC. As producer and integrator of the radio module, it is assured that the power supplied will not affect its correct functioning. We apply for a Limited Modular Approval also due to this constraint.                                                                                                                                                                                                                                                                                                                                                                                                                         |     |    |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| (d) The module shall comply with the provisions for external power amplifiers and antennas detailed in the applicable RSS and rule part. The equipment certification application shall contain: <ul style="list-style-type: none"> <li>i. a detailed description of the configuration of highest antenna gain for each type of transmitting antenna for licence-exempt modules;</li> <li>ii. the maximum transmitting antenna gain for licence modules; and</li> <li>iii. a detailed description of the configuration of lowest antenna gain for each type of receiving antenna for Dynamic Frequency Selection (DFS) modules with removable antenna(s).</li> </ul> | X |   |
| (e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration (i.e. the module shall not be inside another product during testing).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   | X |
| The modular transmitter has been tested integrated on a typical host, a hearing aid instrument that best represents all the future hosts where the module will be used by WS Audiology. Due to the size limitations of the hearing aid instruments, the radio module is in the same PCB of the host making impossible to test it on a standalone configuration.                                                                                                                                                                                                                                                                                                     |   |   |
| (f) The module complies or will comply with applicable RSS-102 exposure requirements and any applicable FCC RF exposure requirement (§§1.1307(b), 1.1310, 2.1091, and 2.1093) in its intended configuration/integration in a host.                                                                                                                                                                                                                                                                                                                                                                                                                                  | X |   |
| (g) The module must be labeled with its permanently affixed label (indicating ISED certification number, HVIN and FCC identifier), or use an electronic display (see KDB Publication 784748 and RSP-100, section 5).                                                                                                                                                                                                                                                                                                                                                                                                                                                |   | X |
| The size of the module is too small for the regulatory FCC/ISED label in its short form to be placed any, which are therefore displayed in the user manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |   |
| (h) The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | X |   |
| <b>Only applicable for FCC certification:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |   |
| (i) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b). For further information concerning antenna connectors see: DA-00-1087.                                                                                                                                                                                                                                                                                                                                                                     | X |   |

If you have any questions, please feel free to contact us at the address shown below.

Best regards,  
Sivantos GmbH

27. Sep. 2021

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