

Federal Communication Commission
Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

16th of November 2012

Oticon Fusion 2 based wireless BTE/RITE module
FCC ID: U28FU2BTERIT

Limited Modular Approval Request

We would like to approve the above product as a Limited Modular Approval in accordance with FCC Public Notice KDB 996369 D01 Module Certification Guide v01r03, released July 2011, and the rules of the Commission regarding modular transmitters (§15.212) operating under FCC's part 15 about RF Devices.

The requirements are met as follows:

- 15.212(a)(1)(i) The radio module has no own RF shielding. Therefore we apply for a Limited Modular Approval (See also §15.212(b)). The module is constrained to be used by Oticon A/S or sold to Original Equipment Manufactures (OEM) only. The module contains a weak RF transmitter and therefore fulfils Part 15 emission limits without any additional RF shielding. The module is a fully integrated and inseparable part of an amplifier module for BTE and RITE styles hearing aids only. Therefore the radio module and the complete audio amplifier containing it cannot be used by end users. The behaviour of the wireless module is locked by the design and can only be changed by Oticon A/S, so the compliance of the end product is always ensured. (See further descriptions in the radio model installation guide and/or user manual)
- 15.212(a)(1)(ii) The amplifier module includes buffer stages for its external data/programming inputs.
- 15.212(a)(1)(iii) The wireless part of the amplifier module shares the power supply with the digital signal processing (DSP) part of the amplifier module. Therefore we apply for a Limited Modular Approval with the same argumentation as in point 15.212(a)(1)(i).
- 15.212(a)(1)(iv) The radio part of the amplifier module has only an internal antenna soldered and fixed on its PCB, which is normally not accessible or interchangeable by the end user.
- 15.212(a)(1)(v) The radio module is included in the amplifier module, which includes a DSP host and as such was tested in a stand-alone configuration as can be seen in annex A of the CETECOM Test Report No. 1-4852/12-04-02. The amplifier requires no external host, only some external plastic parts e.g. holding the battery and audio transducers.
- 15.212(a)(1)(vi) The size of the whole amplifier module (radio and DSP) is less than 1/2 inch so the labelling information is located in the user manual and/or installation guide.
- 15.212(a)(1)(vii) The amplifier module is compliant with all applicable FCC rules. Maintenance of compliance is always ensured as only Oticon A/S is able to alter the antenna or other wireless related behaviours.
- 15.212(a)(1)(viii) The amplifier module is compliant with all applicable RF exposure requirements. Maintenance of compliance is always ensured as only Oticon A/S is able to alter the antenna or other wireless related behaviours.

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

Sincerely,



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