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ATCB
Attn.: Mrs. M. Bosley
Certification Department
6731 Whittier Avenue, Suite C110
McLean, Virginia 22101, USA

Subject: Statement requirements Limited Modular Approval FCC Part 15.212 Groenlo, 16 June 2011

Dear Mrs. Bosley,

Pursuant to section 0.457(d)(2)(i) and Section 0.459 of the FCC rules we herewith request the following exhibits, related to this application for

FCC ID : CGDLW2450
Applicant : N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand : Nedap
Model : Luxon Wireless 2450

We would like above product have approved as a modular approval specific to FCC Part 15.212 Limited Modular Transmitter Unlicensed Approval for low power transmitter modules for use in Nedap's host devices:

The requirements of the FCC Part 15.212 are met as follows:

1. The modular transmitter nRF2401A on the Luxon Wireless 2450 has an own RF shielding in order to be compliant to the FCC rules. See Exhibit "08_Photo Report CGDLW2450.pdf".
2. The modular transmitter nRF2401A has buffered data inputs with a buffer of maximum 256 bits and a maximum data rate of 1000 kbps see pages 10 and 1 of exhibit "07_Blockdiagram_operational description nRF2401A CGDLW2450.pdf".
3. The modular transmitter nR2401A has no own power supply regulation and requires an input voltage of 3.3 Vdc. The voltage is delivered by the Luxon Wireless 2450 PCB. See "06_Circuit diagram CGDLW2450.pdf". During testing this Luxon Wireless 2450 PCB in turn was powered by a mains adapter with an output power of +12 VDC. After installation in the end-use equipment it will be powered by this device. see "16_Installation Manual Luxon Wireless 2450 example CGDLW2450.pdf"
4. An integrated antenna is applied see exhibit "04_Antenna information CGDLW2450.pdf".
5. The EUT was tested in a standalone configuration as mentioned under requirement 3. This PCB has a connector for a mains plug adaptor for having supply. To prevent the PCBs from damaging the devices are placed in a plastic enclosure see "13_Installation Manual Luxon Wireless 2450 CGDLW2450.pdf" and "12_10122701.p01_Nedap Luxon Wireless 2450_Photo Report_Testsetup CGD2450.pdf".
6. An FCC ID exhibit label has been included in the exhibits "09_Label location_artwork CGDSFSB.pdf". This device is only installed in Nedap's end products and "13_Installation Manual Luxon Wireless 2450 CGDLW2450.pdf" and "16_Installation Manual Luxon Wireless 2450 example CGDLW2450.pdf" shows and instructs in what manner the end product needs labeling.
7. The Luxon Wireless is compliant with all applicable FCC rules. Instructions for maintaining compliance are given in the "13_Installation Manual Luxon Wireless 2450 CGDLW2450.pdf" and "16_Installation Manual Luxon Wireless 2450 example CGDLW2450.pdf".
8. The Luxon Wireless 2450 is compliant with all applicable RF exposure requirements for transmitter devices see "14_RF Exposure CGDLW2450.doc".

Best regards,
N.V. Nederlandsche Apparatenfabriek "Nedap"

Jacques Hulshof
Approbation Management

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