

Ref: Nemko test report no: 204805A
Espoo 31.03.2012

Equipment under test:

Remote control: RC917FH/TR02 915 MHz Transceiver
Manufacturer: Scanreco Industrietechnik

RF Exposure

The following data is from test rapport:

Maximum output power = 18.1 mW peak (from test report).

Transmission duration = 48.2 ms, this is 0.0482 s

Number of hops in one hop cycle 50

Duration of hop cycle 2.5 s

Average = $18.1 * (0.0482 * 50 / 2.5) = 17.4$ mW

This is below the threshold $60/f(\text{GHz})$ of section 2) a) i) of 447498 D01 Mobile Portable RF Exposure v04 which is $60/0.92795 = 64,66$ mW.

This filing is a limited modular approval for installation of this module by the manufacturer into their own products. The final application is industrial radio remote control products. The internal antenna will always be located at least 2.5 cm from the nearest host enclosure wall. The external fixed antenna will be mounted at least 20 cm from nearby persons. Please refer to the users manual. For example; when used on fixed mount unit the antenna is often mounted somewhere high typically on the roof of a truck or lorry. Therefore this configuration will comply with RF exposure requirements.