

47CFR 1.1310 RF Exposure for KanAtoN***According to 47CFR 1.1310 Radio frequency radiation exposure limits*****Transmission at 161.975MHz and 162.025MHz MHz**

The peak power transmitted by the 162MHz transmission is 12.5W.

The average power guidelines are a transmission with a 6 minute average exposure. The 162MHz transmission is 0.478 seconds long every 60 seconds. This 0.478 seconds is the maximum time of transmission for the products KanAton (1 real AtoN with two messages 21, two messages 6 and two messages 8 plus 4 virtuals AtoN with two messages 21 each).

The average power equates to 100 mW.

An RF exposure assessment has been performed below to against the requirements of 47CFR 1.1310.

Referring to 47CFR 1.1310, for a transmission frequency of 162 MHz, the maximum field strength is 27.5 V/m.

For 12.5W peak power (gain antenna is 0dBd), the safe distance is 91 cm.

The guidelines are for a transmission with a 6 minute average exposure. So the 'safe' distance for the 162 MHz transmission (100 mW average) is 8.1 cm.

Guidel, July 30, 2013

Stéphane JINCHELEAU

R&D Manager


Orolia SAS
SAS au capital de 2.000.000 €
21, des Cinq Chemins - BP. 23 - 56520 GUIDEL
France
Tél. : 02 97 02 49 49 - Fax : 02 97 05 00 20
R.C.S. Lorient 500 055 744
TVA FR 67500 055 744
SIRET 500 055 744 00014 - APE 2790Z