

Declaration concerning RF-Exposure

Federal Communication Commission

Re: application for FCC ID: YCB-LOC100

We hereby indicate that the product:

The LOC 100 RFID Tag read/write device can be used to write the operator ID and location ID to a RFID label on a sampling bottle together with the time and date. This information (sample ID) can then be read by an RFID-compatible photometer

is considered to be portable transmitter for General Population/Uncontrolled exposure.

This device and its transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

A safety statement will be integrated in the user's manual to provide end-users with transmitter operating instructions for satisfying RF exposure compliance.

As YCB-LOC100 is a low power RFID device according to rule part 15.225 (13.110–14.010 MHz) equipment class DXX it is excluded from routine environmental evaluation for RF exposure as it does not fall under the product categories listed in Section 2.1093 of the FCC's rules.

The maximum transmitted field strength is: 5 μ V/m (13.84 dB μ V/m) @30m (less than 1 μ W conducted power)

That is far below the low threshold of $\leq 60/f_{(GHz)}$ (mW) where SAR evaluation is typically not required for FCC or TCB approval.