

Re: Certification of Rolls-Royce/Clifford TX
Model: CZ57RRTRRX
FCC ID: CZ57RRTRRX
CANADA: to be provided

RF EXPOSURE

The subject device is a Low Power Device Transmitter and is subject to FCC radiation limits in 15.231(b) and IC limits in RSS-210, Sec. 6.1. At the frequency of operation (315 MHz), the maximum allowed field at 3 meters, for both FCC and IC, is 75.6 dB μ V/m. This corresponds to an EIPR of -19.6 dBm or 0.011 mW.

Assuming a model of a point source radiator, the power density would be 0.003 mW/cm² at 0.5 cm distance, a distance that is well inside the plastic case of the device.

FCC

This estimate definitely meets the FCC guideline of 1 mW/cm².

IC

Since the radiated power is less than 200 mW, the device is exempt from RF Exposure regulations (RSS-102, 4.2).