US Tech Test Report: FCC Part 15 Certification
FCC ID: 2AD9R-CO1301
Test Report Number: 15-0021
Issue Date: February 13, 2015
Customer: Controlant EHF
Model: CO 13.01

Maximum Public Exposure to RF (MPE)

The maximum exposure level to the public from the RF power of the EUT shall not exceed a power density, **S**, of 1 mW/cm^2 at a distance, d, of 20 cm from the EUT.

Therefore, for:

Measured maximum output power: 11 dBm
.Highest Gain Antenna (Dipole antenna) = 3 dBi

       Peak Power (Watts) = .0126 (Manufacture's claimed highest output power)
       Gain of Transmit Antenna = 3 dB$_i$ = 2.00, numeric (from Table 4 of Test Report)
       d = Distance = 20 cm = 0.2 m

$$S = (PG/ 4\pi d^2) = EIRP/4A = (.0126*2.00)/4*\pi*0.2*0.2$$
$$= .0252/.5027 = .0501 \ W/m^2$$
$$= (W/m^2) \ (1m^2/W) \ (0.1 \ mW/cm^2)$$
$$= .0050 \ mW/cm^2$$

       which is < less than 1.0 mW/cm^2