

RF Exposure information

The Communication Control unit (CCU) is classified as mobile.

The Communication Control unit (CCU) includes 433 MHz transmitter operating according to FCC part 15 subpart C section 15.231 and approved LTE module that approved under FCC ID: XMR201906EG21G.

The RF technologies: 433 MHz and LTE is not transmitting simultaneously.

Power calculation for Far-Field according to maximum measured Field strength at 3 m distance obtained from Test Report according to FCC part 15 subpart C section 15.231:

<i>F, MHz</i>	<i>d, m</i>	<i>λ, m</i>	<i>λ/2π, m</i>	<i>E, dBμV/m</i>	<i>E, V/m*</i>	<i>Z_w, Ω</i>	<i>Far-field Formula*</i>	
							<i>P, W</i>	<i>P, mW</i>
434.01	3	0.691228	0.11	79.21	0.00913	376.99	0.000025	0.025010

$$* P = 4\pi r^2 \frac{E^2}{Z_0}, \text{ where } Z = 120\pi$$

The radiated power within the 1 mW in the far field region can be exempt and no evaluation is required according to § 1.1307(b)(3)(i)(A).

Based on the above the product can be considered complying with the RF exposure limitation.