

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

20210226

Re: RF exposure information for:

Product name: Smart Clima with FCC ID: 2A0FP-E0054

To Whom It May Concern:

The requirements for determination of compliance and the preparation of an Environmental Assessment regarding human exposure to levels of radiofrequency radiation, regulated in 47 CFR Part 2.1091 and 47 CFR 1.1310 for mobile devices RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the Smart Clima as calculated from (B) Limits for General Population / Uncontrolled Exposure of: TABLE 1- LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE) of §1.1310 Radiofrequency radiation exposure limits.

This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering the Power density: $S_{\text{limit}} = 1.0\text{mW}/\text{cm}^2$ in an uncontrolled exposure environment. The Friis formula used for power density: $S = (P_{\text{e.i.r.p.}}) / (4 * \pi * r^2)$ where

Maximum conducted peak output power:	$P = 13.8 \text{ mW}$.
Distance to user:	$> 200 \text{ mm}$
Frequency range:	902 to 928 MHz (far-field)
For: Smart Clima with 2A0FP-E0054:	$S = 0.003 \text{ mW}/\text{cm}^2$

Therefore, Smart Clima is considered compliant with the rules for RF exposure without further test or analysis.