

RF Exposure

The SmartSensor model SS-01 qualifies as a mobile device under CFR 4 Paragraph 2.1091. It is designed to be installed on the wall of a room or placed on a flat surface so it can accurately sense the temperature of that room.

It is not subject to routine environmental evaluation for RF exposure because it is a mobile device certified under Part 15.231(e) and as such is categorically excluded from such evaluation per Part 2.1091(c).

The maximum output power of the transmitter is 8 dBm when connected to an optimal antenna impedance in the frequency range used. It is operated 6 dBm lower than the maximum power via software settings. The printed circuit board trace serving as a loop antenna has a gain of approximately -9 dB.

Due to its lower power RF output and status as a mobile transmitter, the SmartSensor is not a cause for worry and thus no cautionary statements are provided in device documentation.