Field measurement space may be outdoors (open air, dense urban, hazardous environment) or indoors (warehouse, theater, factory, office). Drone-based sensors may measure RF/microwave field levels (radio, radar, wireless), acoustic levels (human hearing realm and beyond), light levels (visible, infrared, ultraviolet), subatomic particle levels, gas levels, particulate levels, etc. Directional or non-directional sensors can be used.

Multi-copter configuration of 6 or more lifting rotors preferred to facilitate non-catastrophic recovery from rotor failure.