

Sound Pressure Level Test Report

Flytrex M600 Pro

Introduction

The Flytrex M600 is a delivery drone based on the DJI Matrice 600 Pro, with additions allowing it to safely deliver packaged goods.

We have performed 3 tests on 3 different occasions, measuring the drone noise level from distances of 20-350 meters.

Equipment used

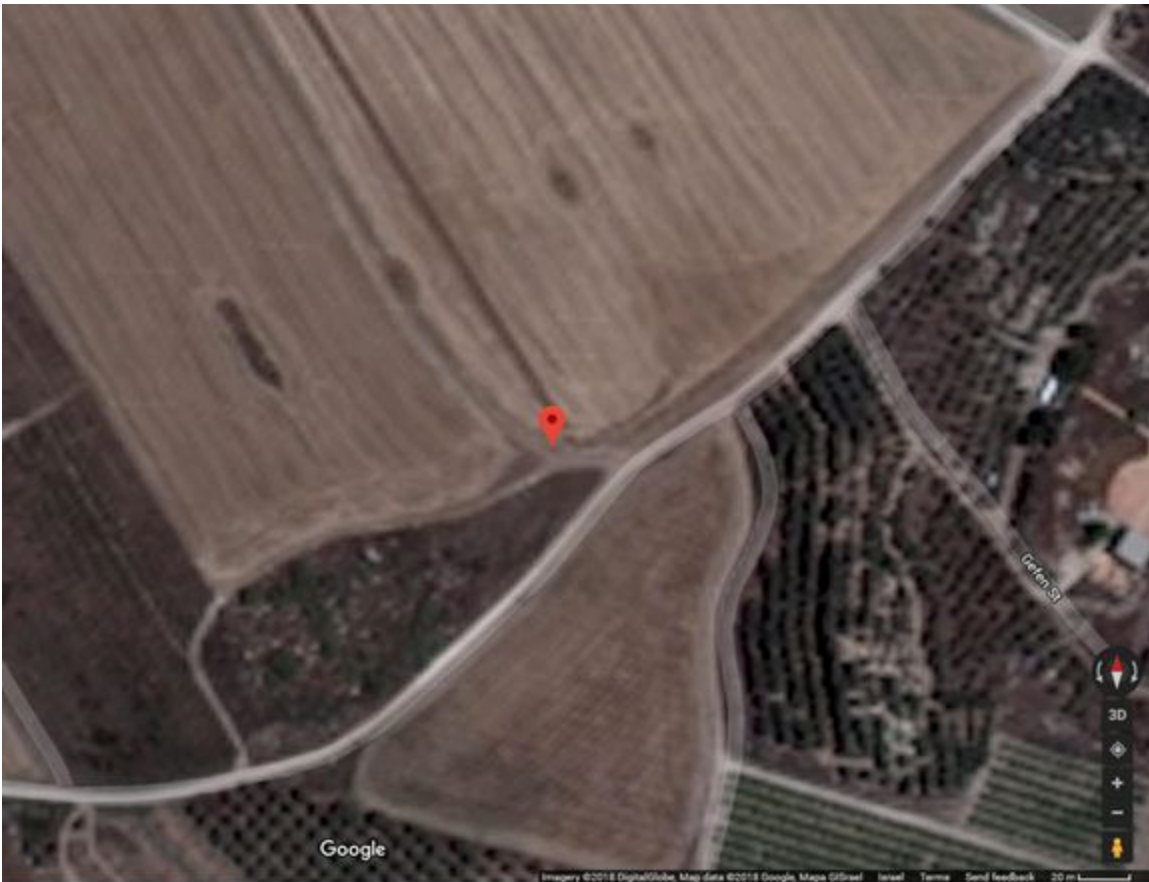
Uni-Trend UT353 Mini Sound Level Meter



Testing configuration

Environment: Open field, no nearby traffic.

Test location: 31.861948 / 34.913465



Measurements

Scenario	Test - dBa	Equivalent
During package delivery - Drone at altitude of 20 meters, customer 15 meters away	66.4	70dBa – Car at 10 meters 65dBa – Normal conversation
People standing near the drone flight route as the drone passes above them - Drone at altitude of 70 meters, customer 50 meters away	55	60dBa – Dishwasher 50dBa – Quiet office
People at 350 meters or more from drone route - no sound.	43	Ambient sound

Conclusion

Customers waiting at the delivery point will experience sound levels between normal conversation to a driving car during the delivery time (about 45 seconds time).

People just below a flight route might hear a small sound as the drone crosses them, but most likely won't notice this in an urban/suburban environment.

People further from the flight route won't hear a thing.

