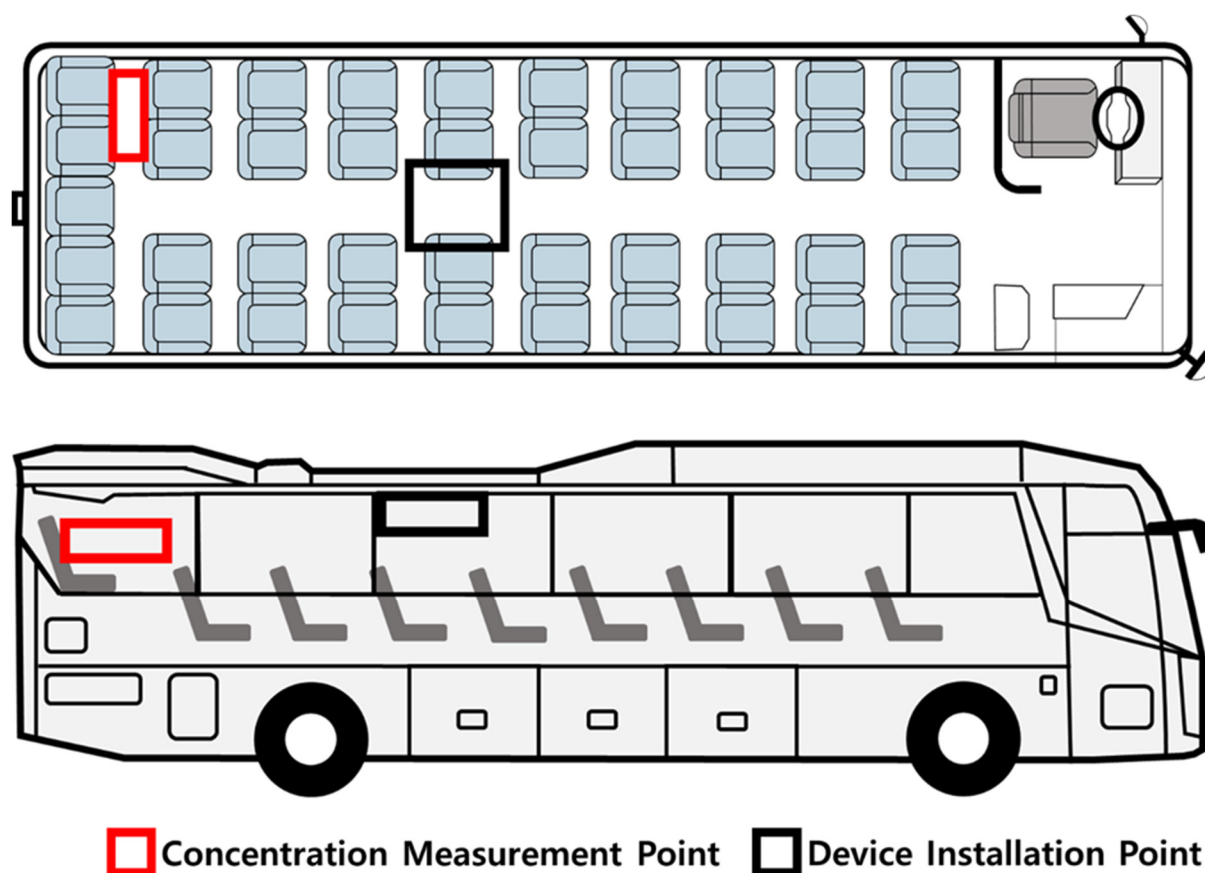
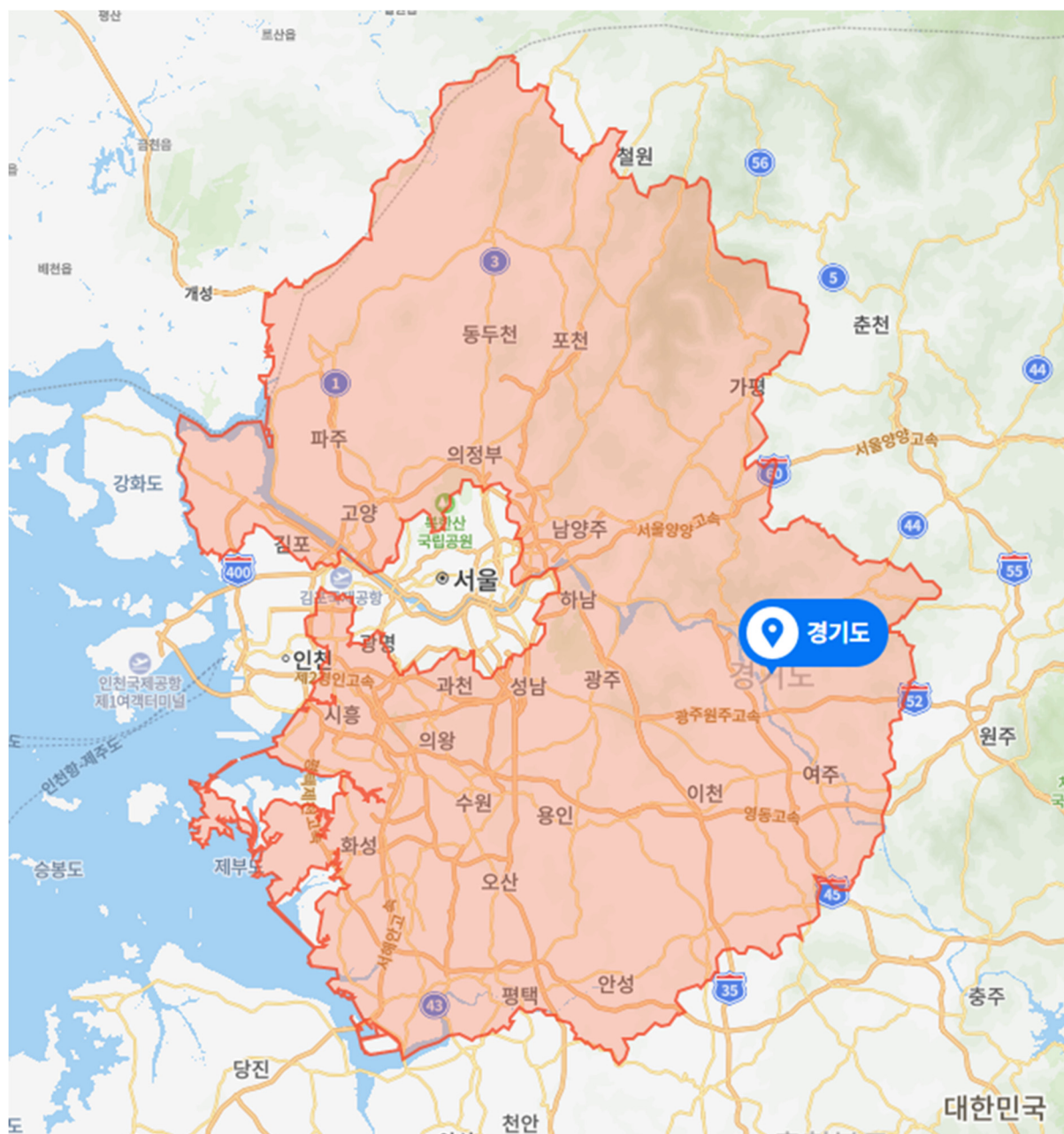


# Supplementary Materials: Effect of Air Purification Systems on Particulate Matter and Airborne Bacteria in Public Buses

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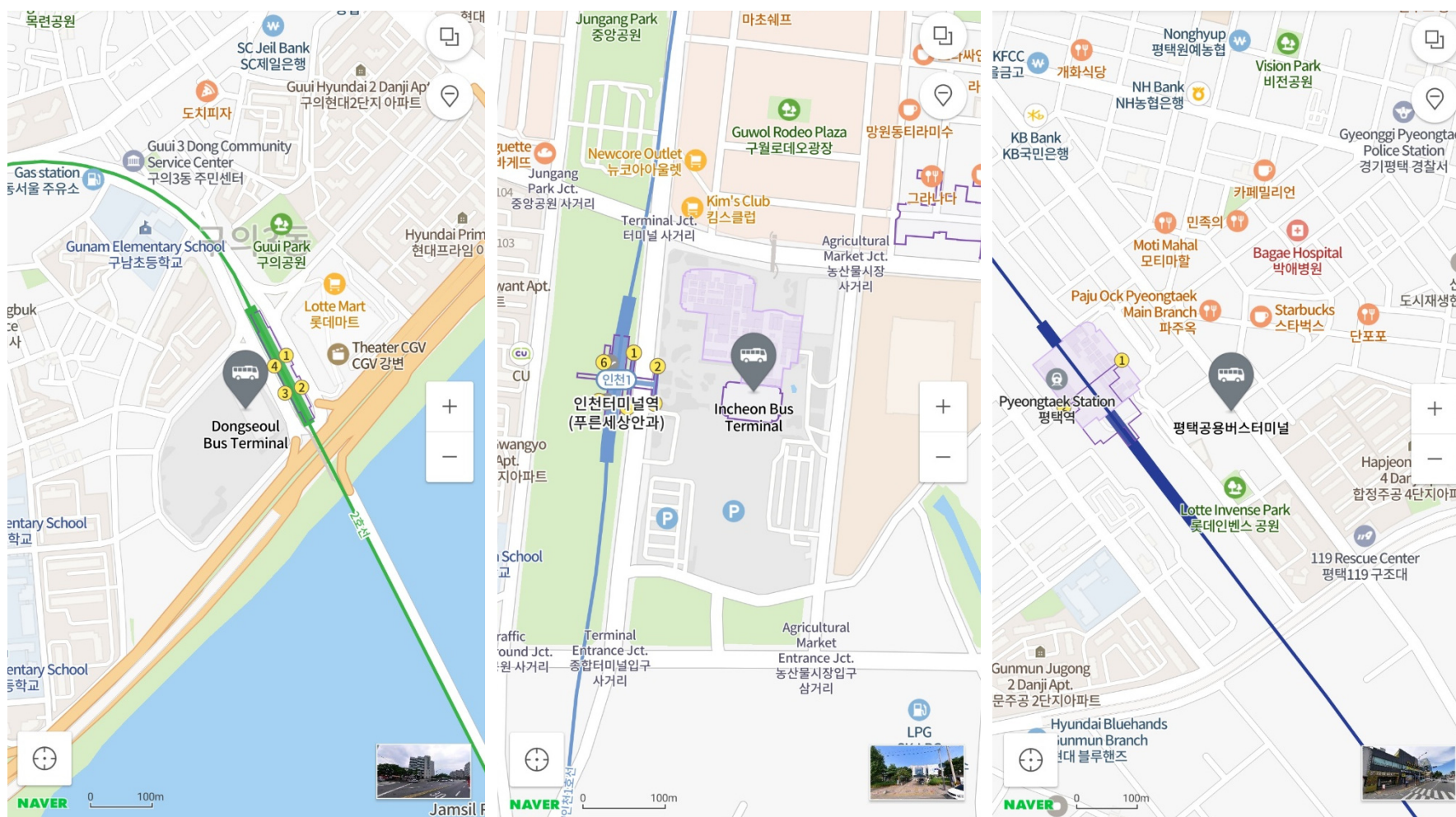
**Figure S1.** The location of air purification system and air quality measurements in top and side views.



**Figure S2.** The map of Gyeonggi Province along with three selected intercity bus routes (from NAVER maps).

**Table S1.** General information on the intercity buses selected for air quality measurement.

<b>Intercity bus</b>	<b>Air purification</b>	<b>Date of measurement</b>	<b>Departure</b>	<b>Arrival</b>	<b>Travel length</b>
BUS1-1	On	5/4	Dong Seoul Bus Terminal at 8:50am	Gamgok Bus Terminal at 10:26 am	90.5 km
BUS1-2	Off	5/4	Dong Seoul Bus Terminal at 9:10am	Gamgok Bus Terminal at 10:44 am	90.5 km
BUS2-1	On	4/29	Incheon Bus Terminal at 8:20 am	Seongnam Bus Terminal at 9:27 am	44 km
BUS2-2	Off	4/29	Incheon Bus Terminal at 9:20 am	Seongnam Bus Terminal at 10:52 am	44 km
BUS3-1	On	4/6	Pyeongtaek Bus Terminal at 9:00 am	Yangjae Station at 10:52 am	66 km
BUS3-2	Off	4/6	Pyeongtaek Bus Terminal at 8:30 am	Yangjae Station at 10:33 am	66 km



**Figure S3.** The maps of departing bus terminals for each intercity bus route (from NAVER maps). Parks are shown in green. See Table S1 for mapping the departing terminals and buses.

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