

EXPLANATION OF THIS EXPERIMENT

Our company, AP Technoglass, is a supplier to automotive glass. We develop glass antenna technology as to vehicle audio, phone and ground positioning system.

Based on this technology, an antenna is printed on a rear window surface of a vehicle, which gives passengers a wind noise free ride in place of a pole antenna sticking to a vehicle body.

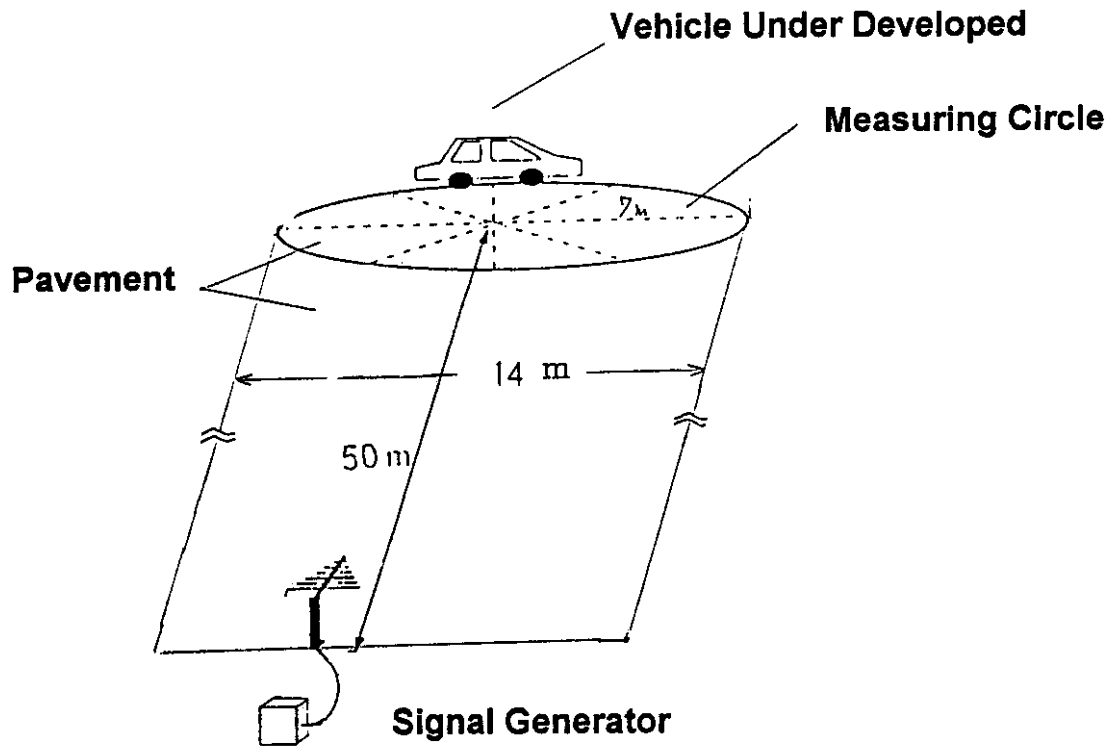
Antenna pattern is a key factor to catch signals. Several patterns should be tested to determine a suitable one in terms of signal receiver performance. Therefore, trial patterns attaching to a vehicle under development are exposed to electronic waves like FM being transmitted from a standard signal generator (HP 8656).

This experiment usually takes less than two weeks each time and has three or four trial times within a new vehicle development period which is considered normally two or three years. Several frequencies should be tested and vehicles are positioned at many directions to simulate real signal catching situations on the roads.

This operation is required each time when a new vehicle is introduced. In that sense, there is no time limit in this operation.

AP TECHNOGLASS ANTENNA PATTERNING SITE

1. Antenna Patterning Site



2. Location of Antenna Patterning Site

