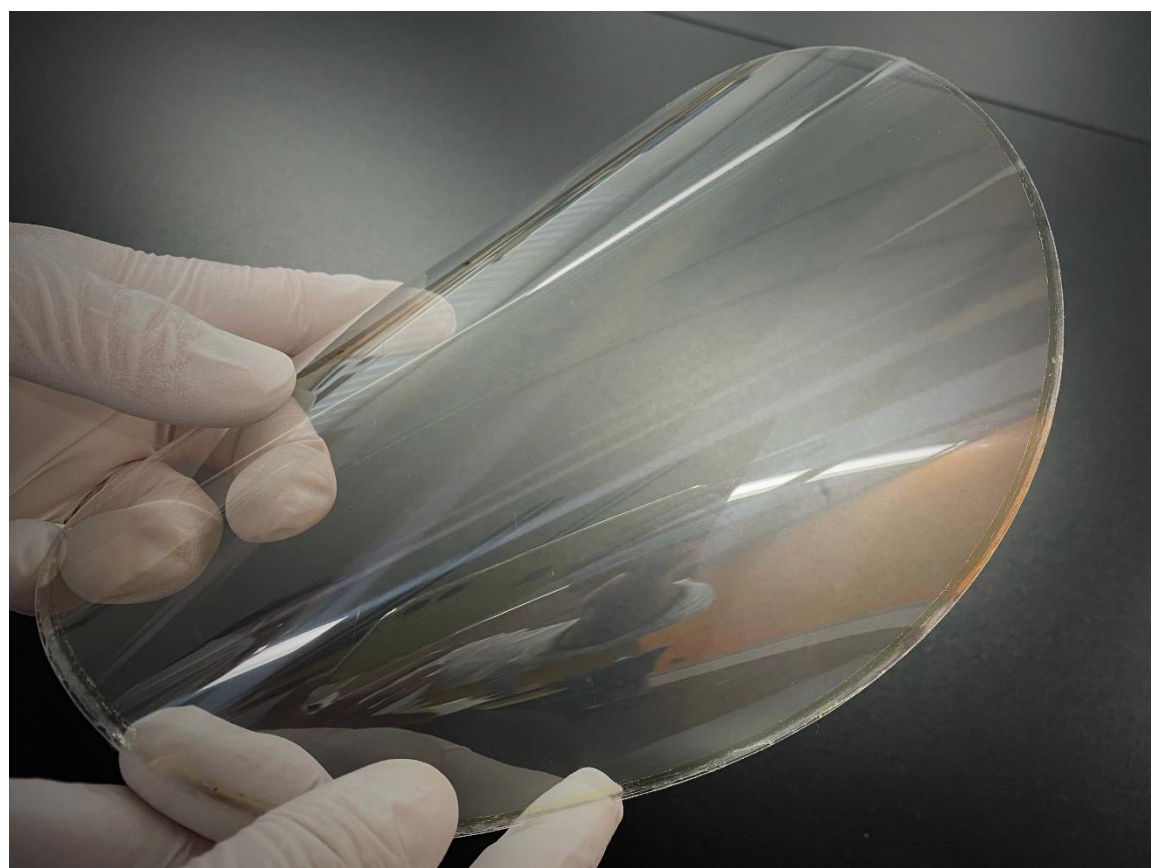


Innovative transparent film improves the network environment

Transparent Flexible Reflective Film

Thin and flexible film reflects high-frequency radio wave



Feature

Technology utilizing high-frequency radio waves such as 5G and 6G, creates new challenges for this infrastructure. One of the biggest problems is

insufficient coverage area. High-frequency waves are easily blocked by objects in the environment.

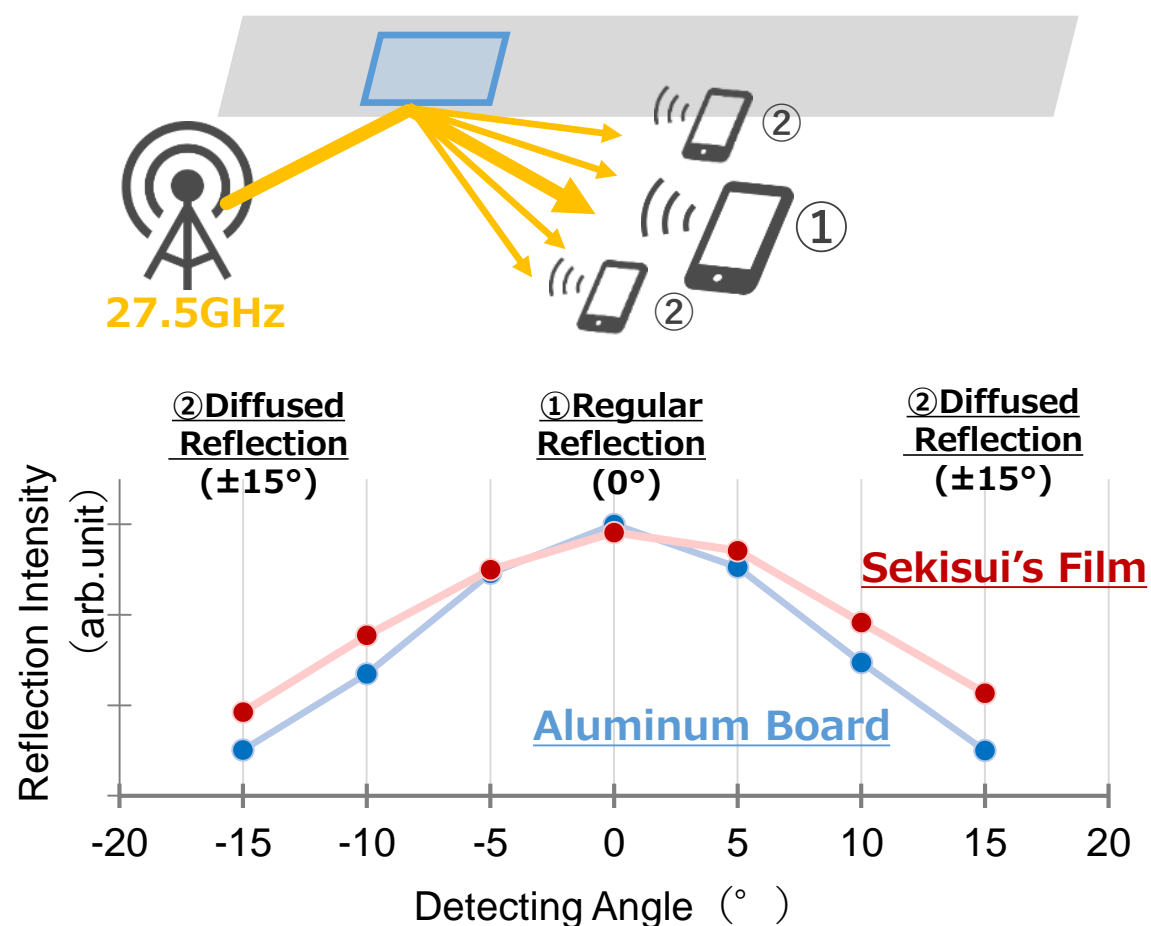
To solve this problem, we have developed this transparent reflective film with **METAMATERIAL Inc.** located in Canada. The metamaterial layer in this film diffuses/reflects radio wave, and extends its coverage area. On the other hand, this film can be attached to walls, windows, TV screens or even to objects with curved surface such as pillars without spoiling the scenery, since visible lights are transmitted.

Easy installation is an advantage as well. This film is so durable that it doesn't need maintenance for years once it's installed. Also, it is eco-friendly because it gives little impact on environment to dispose.

This innovative product eliminates network users' stress, supports IoT transformation, and significantly improves communications infrastructure.

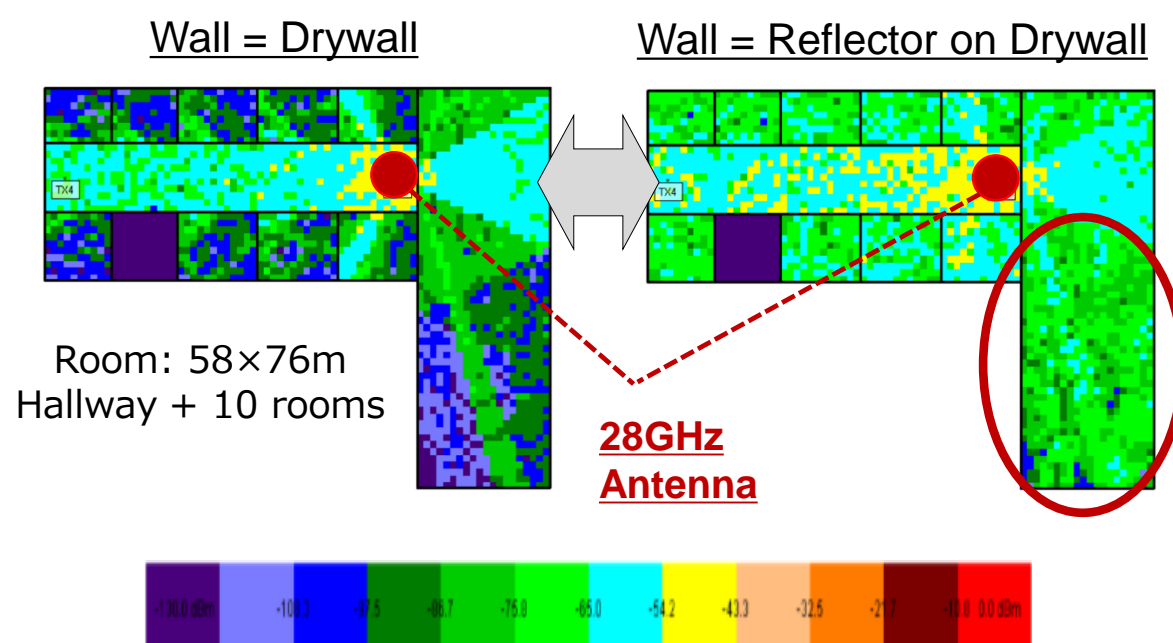
Technical Data

1. Reflection Property



Sekisui's film shows comparative performance to aluminum board.

2. Simulation of Connection Improvement



Connection coverage area was extended with reflective film.



<https://www.sekisui.co.jp/electronics/en/application/film.html>

Website

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