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Title: Solar glass for 5G

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Ensuring that glass substrates maintain their integrity and performance over time is crucial for the reliability of 5G networks. This ...

In this report, we show that mm-wave dielectric property can be changed by glass composition and post-forming processes. We also show examples of mm-wave devices that ...

In this letter, a transparent frequency selective surfaces (FSSs) applied on window glass with two different substrates for spatial filter selectivity of 5G mm-Wave indoor ...

The problem is solved by forming, on the surface of a single glass sheet, a mixture coating having a thickness of 2-4.5 μm and containing fine composite tungsten oxide particles ...

To avoid installing unsightly equipment on more and more shared spaces, Japanese companies are developing transparent glass ...

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A reconfigurable intelligent surface (RIS) device integrates with small cells to help deliver more seamless 5G coverage. The RIS aims to help 5G signal navigate around physical obstacles to ...

In a significant technological leap, Japan has introduced an innovative solution that transforms ordinary windows into powerful 5G ...

The unique characteristic of these antennas is that it is possible to integrate them with solar panel glasses without hampering their performance and also in window glasses ...

This paper introduces an innovative metasurface glass designed to enhance 5G mobile communication signals within the interior of glass windows.

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A standardized model is presented for evaluating the efficiency of spectral converters integrated into PV glass, systematically assessing spectral absorption and ...

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A standardized model is presented for evaluating the efficiency of spectral converters integrated into PV glass, systematically ...

Ensuring that glass substrates maintain their integrity and performance over time is crucial for the reliability of 5G networks. This necessitates rigorous testing and the ...

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