

Hidden in plain sight.

Introducing the new 3M™ Transparent Conductor Film

3M™ Transparent Conductor Film is a thin transparent conductive film that utilizes proprietary 3M technology to help designers enable transparent antenna designs. With high light transmittance, low sheet resistance and excellent flexibility, the new 3M film helps antenna designers create inconspicuous antenna products for indoor and outdoor applications.



Example patch antenna pattern, transparent region is 2-inch × 2.5-inch (51 mm × 64 mm)





Key Features

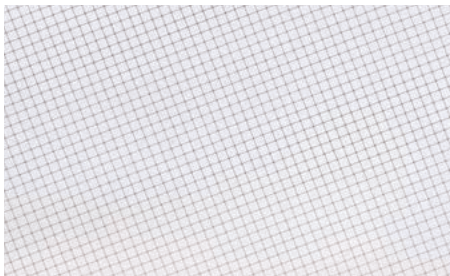
- Highly transparent conductive film is ideal for indoor and outdoor inconspicuous sub-6GHz antennas
- Transparent antennas made with the 3M film helps designers achieve VSWR, PIM and gain requirements that are typical for non-transparent antennas
- Proprietary copper grid conductive layer provides low sheet resistance to help designers create efficient high power transparent antenna designs
- Flexible PET substrate allows Antenna OEMs to apply the 3M film over flat and curved surfaces or laminate between rigid clear supports



3M™ Transparent Conductor Film Assemblies

are customer specific laminations of the conductor film with optically clear adhesive and rigid clear panels.

To learn more, contact 3M Technical Support at [3M.com/transparentantenna](https://www.3M.com/transparentantenna)



Close-up of mesh conductor traces with 300 µm pitch, 30 µm width and 5 µm height



Very good flexibility

Visit us at [3M.com/transparentantenna](https://www.3M.com/transparentantenna) to learn more and connect with our experts.

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