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What is Claimed:

1. A transaction card, comprising:
at least a first glass layer;
a discontinuous metal stratum disposed on a first surface of the glass layer and
5 having a desired degree of electrical eddy current disruption; and
a contact, contactless, or dual interface transaction module disposed in the first
glass layer and electrically isolated from the discontinuous metal stratum.
2. The transaction card of claim 1, wherein discontinuous metal
stratum comprise a metal layer having a plurality of discontinuities.
- 10 3. The transaction card of claim 2, wherein the plurality of
discontinuities form a pattern.
4. The transaction card of claims 2 or 3, wherein the plurality of
discontinuities are configured to avoid synchronization of eddy currents of adjacent
metal regions in the presence of less than a predetermined level of energy.
- 15 5. The transaction card of claim 1, wherein discontinuous metal
stratum comprise a plurality of isolated metal features.
6. The transaction card of claim 5, wherein the plurality of isolated
metal features form a pattern.
7. The transaction card of claims 5 or 6, wherein each of the
20 plurality of metal features is separated from adjacent metal features by at least a
predetermined minimum distance.
8. The transaction card of claim 7, wherein the predetermined
minimum distance is a distance calculated to avoid bridging of energy between
adjacent halftone dots in the presence of less than a predetermined level of energy.
- 25 9. The transaction card of claims 4 or 8, wherein the predetermined
level of energy comprises a maximum field strength of a contactless transaction card
reader.
10. The transaction card of claims 3 or 6, wherein the pattern
comprises a halftone pattern.
- 30 11. The transaction card of claim 10, wherein the halftone pattern
comprises the plurality of metal features or discontinuities evenly distributed across the
first surface of the card.
12. The transaction card of claim 10, wherein the halftone pattern
comprises the plurality of metal features, plurality of discontinuities, or a combination
35 thereof having an uneven distribution, wherein the uneven distribution forms a halftone
image.

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13. The transaction card of any one of claims 10- 12, wherein the halftone pattern includes a combination of metal features and non-metal features.

14. The transaction card of any one of claims 10- 13, wherein the halftone pattern forms is perceptible to the human eye as a continuous opaque layer.

5 15. The transaction card of any one of the foregoing claims, further comprising a second layer of glass.

16. The transaction card of claims 15, wherein the discontinuous metal stratum is disposed between the first glass layer and the second glass layer.

10 17. The transaction card of claim 15, further comprising a metallized booster antenna disposed on a surface of the second glass layer, the metallized booster antenna coupled to or configured to couple to the transaction module and electrically isolated from the discontinuous metal stratum on the first layer of glass.

18. The transaction card of claim 17, wherein the metallized booster antenna is disposed on an inner surface of the second glass layer arranged between the
15 first glass layer and the second glass layer.

19. The transaction card of claim 17, further comprising an electrically isolating layer disposed between the discontinuous metal stratum and the metallized booster antenna.

20 20. The transaction card of claim 19, wherein the electrically isolating layer comprises a non-metal layer.

21. The transaction card of claim 17, wherein the metallized booster antenna is disposed on an outer surface of the second glass layer facing away from the first glass layer.

25 22. The transaction card of claim 21 further comprising a protective coating over the metallized antenna.

23. The transaction card of any one of claims 17-22, wherein the metallized booster antenna is transparent.

24. The transaction card of claim 23, wherein the metallized antenna comprises indium tin oxide (ITO).

30 25. The transaction card of any one of claims 1-14, wherein the discontinuous metal stratum is disposed on a first outer surface of the first glass layer.

26. The transaction card of claim 25, further comprising a metallized booster antenna disposed on a second outer surface of the first glass layer, the metallized booster antenna coupled to or configured to couple to the transaction
35 module.

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27. The transaction card of any one of claims 5-14 and 25-26, further comprising an electrical isolating material disposed between adjacent metal features in the discontinuous metal stratum.

28. The transaction card of any one of the foregoing claims further
5 comprising an electrical isolating material disposed over the discontinuous metal stratum.

29. The transaction card of any one of the foregoing claims, wherein the first layer of glass comprises a flexible or conformable glass.

30. The transaction card of claim 15, wherein one or both of the first
10 layer of glass and the second layer of glass comprises a flexible or conformable glass

31. The transaction card of claims 29 or 30, wherein the flexible glass comprises an aluminosilicate, borosilicate, boro-aluminosilicate glass, sapphire glass, or ion-exchange-strengthened glass.

32. The transaction card of any one of claims 1-24, wherein a second
15 surface of the first glass layer is in contact with an additional layer selected from the group consisting of: a printed ink layer, a laminated layer, a laser patterned layer, a coated layer, a photolithographic layer, a printed OLED layer, an embedded electronics layer, or a vacuum deposited layer.

33. The transaction card of any one of claims 1-32, further comprising
20 one or more additional layers.

34. The transaction card of claim 33, wherein the one or more additional layers is selected from the group consisting of: a printed ink layer, a laminated layer, a laser patterned layer, a coated layer, a photolithographic layer, a printed OLED layer, an embedded electronics layer, or a vacuum deposited layer.

25 35. A transaction card, comprising:

a first layer;

a discontinuous metal stratum disposed on a first surface of the first layer and comprising a plurality of isolated metal features that form a halftone pattern; and

30 a contact, contactless, or dual interface transaction module disposed in the first layer and electrically isolated from the discontinuous metal stratum.

36. The transaction card of claim 35, wherein each of the plurality of isolated metal features is separated from adjacent metal features by at least a predetermined minimum distance calculated to avoid bridging of energy between adjacent isolated metal features in the presence of less than a predetermined level of
35 energy.

37. The transaction card of claim 36, wherein the predetermined level of energy comprises a maximum field strength of a contactless transaction card reader.

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38. The transaction card of any one of claims 35-37, wherein the first layer comprises a non-metal layer.

39. The transaction card of claim 38, wherein the non-metal layer comprises a transparent material.

5 40. The transaction card of claim 38 or 39, further comprising an underlying layer disposed beneath the non-metal layer, wherein the halftone pattern is perceptible to the human eye as a continuous opaque layer that hides visibility of the underlying layer.

10 41. The transaction card of claim 40, wherein the underlying layer comprises a metal layer.

42. The transaction card of claim 41, wherein the underlying metal layer comprises a plurality of discontinuities.

15 43. The transaction card of claims 1 or 39, wherein the discontinuous metal stratum includes one or more transparent areas that permit visibility of an underlying surface or layer of the card.

44. The transaction card of claim 43, wherein the underlying surface or layer visible through the one or more transparent areas includes another discontinuous metal stratum.