

Amendments to the Claims

Claim 1 (currently amended)

Claim 2 (original claim)

Claim 3 (currently amended)

Claim 4 (canceled)

Claim 5 (currently amended)

Claims 6 - 8 (canceled)

Claims 9 - 10 (currently amended)

Claims 11 - 12 (canceled)

Claim 13 (currently amended)

Claim 14 (canceled)

Claims 15 - 16 (currently amended)

Claim 17 (original claim)

Claim 18 (currently amended)

Claims 19 - 24 (canceled)

1. (currently amended) A dual uncoupled mode box antenna comprising:
  - a conductive ground plane; and
  - a box structure superimposed on said ground plane ~~having a plurality of~~  
~~conductive sides, wherein at least one of the conductive sides is insulated from the~~  
~~ground plane and at least one other of said sides is grounded to said ground plane~~  
comprising:
    - a first conductive side and a second conductive side and said first and  
second conductive sides are both insulated from the conductive ground plane;
    - a third conductive side positioned in spaced opposed relation to the first  
conductive side and there is a fourth conductive side positioned in spaced opposed  
relation to the second conductive side and said third and fourth conductive sides  
are both grounded to said ground plane;
    - a conductive top superimposed over the first, second, third and fourth  
conductive sides; and
    - an air gap between said third conductive side and said fourth conductive  
side.
2. (canceled)
3. (currently amended) The box antenna of claim 2-1 wherein ~~conductive~~ the  
conductive top is insulated from the first, second, third and fourth conductive  
sides
4. (canceled)

5. (currently amended) The box antenna of claim ~~2~~1 wherein there is a dielectric insulation between the conductive top plate and the side plate ~~first, second, third and fourth~~ conductive sides.
6. (canceled)
7. (canceled)
8. (canceled)
9. (currently amended) The box antenna of claim ~~8~~1 wherein there is an air gap between the first conductive side and the second conductive side.
10. (currently amended) The box antenna of claim ~~8~~1 wherein there is a dielectric footer between the first conductive side and the ground plane, and there is a dielectric footer between the second conductive side and the ground plane.
11. (canceled)
12. (canceled)
13. (currently amended) The box antenna of claim ~~12~~1 wherein there is an air gap between the first and fourth conductive sides ~~side~~ and between the second and ~~third-side~~ conductive sides.

14. (canceled)
15. (currently amended) The box antenna of claim ~~14~~1 wherein the first, second, third, and fourth conductive sides are perpendicular to the ground plane.
16. (currently amended) The box antenna of claim ~~14~~1 wherein the first, second, third, and fourth conductive sides and the conductive top are metal plates.
18. (currently amended) The box antenna of claim 1 which is used for a desired frequency having a wavelength wherein the first, second, third, and fourth conductive sides each have a dimension ~~which~~ and said dimension is about one eighth of said wavelength.
19. (canceled)
20. (canceled)
21. (canceled)
22. (canceled)
23. (canceled)
24. (canceled)