What is claimed is:

1. A system, comprising:

a base comprising a pedestal;

equipment comprising an antenna array; and

a mounting structure to movably secure the equipment to the base, wherein the mounting structure comprises;

a first arm having a first stiffness, wherein the first arm comprises a flex region configured to deflect in response to a thermal mismatch between the pedestal and the antenna array; and

a second arm having a second stiffness, wherein the first stiffness is less than the second stiffness in at least one degree of freedom,

wherein reaction forces at the mounting structure due to an externally applied lateral load condition are unequally distributed between the first arm and the second arm, and

wherein reaction forces at the mounting structure due to a thermal expansion or contraction load condition are equally distributed between the first arm and the second arm.

2. The system according to claim 1, wherein the pedestal and the mounting structure are configured to move the antenna array from a stowed position to a deployed position by pivoting the antenna array about an elevation axis.

3. The system according to claim 2, wherein the at least one degree of freedom comprises translation movement along the elevation axis or an axis parallel to the elevation axis.

4. The system according to claim 3, wherein the flex region is configured to flex in response to lateral loading.

5. The system according to claim 4, wherein the flex region has a thickness that is less than a thickness of adjacent areas of the first arm.

6. The system according to claim 5, wherein a length of the flex region is at least ten times the thickness of the flex region.

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7. A method, comprising:

movably securing equipment, wherein the equipment comprises an antenna array, to a base, wherein the base comprises a pedestal, with a mounting structure, wherein the mounting structure comprises;

a first arm having a first stiffness, wherein the first arm comprises a flex region configured to deflect in response to a thermal mismatch between the pedestal and the antenna array;

a second arm having a second stiffness, wherein the first stiffness is less than the second stiffness in at least one degree of freedom,

wherein reaction forces at the mounting structure due to an externally applied lateral load condition are unequally distributed between the first arm and the second arm, and

wherein reaction forces at the mounting structure due to a thermal expansion or contraction load condition are equally distributed between the first arm and the second arm.

8. The method according to claim 7, wherein the pedestal and the mounting structure are configured to move the antenna array from a stowed position to a deployed position by pivoting the antenna array about an elevation axis.

9. The method according to claim 8, wherein the at least one degree of freedom comprises translation movement along the elevation axis or an axis parallel to the elevation axis.

10. The method according to claim 9, wherein the flex region is configured to flex in response to lateral loading.

11. The method according to claim 10, wherein the flex region has a thickness that is less than a thickness of adjacent areas of the first arm.

12. The method according to claim 11, wherein a length of the flex region is at least ten times the thickness of the flex region.

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