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**(54) Title (EN):** METHOD AND DEVICE FOR TRANSMITTING REFERENCE SIGNAL

**(54) Title (FR):** PROCÉDÉ ET DISPOSITIF POUR TRANSMETTRE UN SIGNAL DE RÉFÉRENCE

**(54) Title (ZH):** 一种参考信号传输方法及装置

**(57) Abstract:**

**(EN):** Disclosed in the present application are a method and device for transmitting a reference signal. A base station sends a first reference signal and a second reference signal. The first reference signal is sent by means of a first group of antenna ports, and the second reference signal is sent by means of a second group of antenna ports. The first group of antenna ports comprises at least two antenna ports, and the second group of antenna ports comprises at least two antenna ports. The time-frequency resources mapped by the second reference signal are the same; or the time-frequency resources mapped by the second reference signal that is sent on the at least two antenna ports among the second group of antenna ports are the same. By means of the described solution, the second reference signal that is transmitted on different ports is mapped to the same time-frequency resource, reducing the occupancy of time-frequency resources.

**(FR):** La présente invention concerne un procédé et un dispositif pour transmettre un signal de référence. Une station de base envoie un premier signal de référence et un second signal de référence. Le premier signal de référence est envoyé au moyen d'un premier groupe de ports d'antenne, et le second signal de référence est envoyé au moyen d'un second groupe de ports d'antenne. Le premier groupe de ports d'antenne comprend au moins deux ports d'antenne, et le second groupe de ports d'antenne comprend au moins deux ports d'antenne. Les ressources temps-fréquence mappées par le second signal de référence sont les mêmes ; ou les ressources temps-fréquence mappées par le second signal de référence qui est envoyé sur les au moins deux ports d'antenne parmi le second groupe de ports d'antenne sont les mêmes. Au moyen de la solution décrite, le second signal de référence qui est transmis sur différents ports est mappé sur la même ressource temps-fréquence, ce qui réduit l'occupation de ressources temps-fréquence.

**(ZH):** 本申请公开了一种参考信号传输方法及装置。基站发送第一参考信号和第二参考信号,其中,所述第一参考信号通过第一组天线端口发送,所述第二参考信号通过第二组天线端口发送,所述第一组天线端口包括至少两个天线端口,所述第二组天线端口包括至少两个天线端口;所述第二参考信号映射的时频资源相同;或者在所述第二组天线端口中的至少两个所述天线端口上发送的所述第二参考信号映射的时频资源相同。通过上述方案,在不同端口传输的第二参考信号映射到相同的时频资源,降低了时频资源占用量。

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