

Title (en)
FEED NETWORK AND ANTENNA

Title (de)
EINSPEISUNGSNETZWERK UND ANTENNE

Title (fr)
RÉSEAU D'ALIMENTATION ET ANTENNE

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Application
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Abstract (en)
Embodiments of the present invention provide a feed network and an antenna, so as to reduce the passive intermodulation interference, and improve the reliability, stability, and mobile communication quality of the antenna. The feed network includes at least two separate radio frequency transmission areas. At least one of the radio frequency transmission areas includes at least two signal lines. The at least two separate radio frequency transmission areas are separated by a metal interlayer. One physical surface of the metal interlayer is exposed to one of the at least two separate radio frequency transmission areas, and the other physical surface of the metal interlayer is exposed to another one of the at least two separate radio frequency transmission areas. In the feed network of the present invention, the radio frequency transmission areas are separated by the metal interlayer without using any screw or rivet connection. Therefore, the passive intermodulation interference caused by the metal connection is reduced, which increases the reliability and stability of the antenna, enhances the RTWP or RSSI index of the system, and improves the mobile communication quality.

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Cited by
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