Millimeter wave communication base station inverter technology

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This paper presents the design and analysis of an antenna array for high gain performance of future mm-wave 5G communication systems.

Millimeter wave (mmWave) communication is a key technology to provide ultra-fast data rates and massive connectivity in wireless networks. This paper introduces a computationaland cost ...

We take the programmable metasurface as the core to assist a millimeter-wave base station and validate its good performance for wireless communications in a realistic indoor scenario.

NEC developed technology to stabilize communication quality during high-speed movement by utilizing millimeter waves capable of high-capacity communication, and conducted a ...

Millimeter wave communication (mmWave) is a promising technology that can be used to satisfy the high data rate and low latency requirements of emerging smart f

For illustrating the potential of the proposed prototype in the application of a smart 6G base station, we take the proposed system to assist a millimeter-wave base station and validate its ...

How can a millimeter-wave base station improve real-time information transmission? Finally, the proposed metasurfaces help the millimeter-wave base station to realize real-time information ...

To deal with these issues, we developed millimeter-wave base station cooperation technology to enable multiple base stations to cooperate with each other while suppressing inter-mobile-station ...

Toward economical social implementation of wireless communication systems using millimeter-wave, which will be essential for broadband wireless communication in the 5G and 6G eras, we studied the ...

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In the first section, we will discuss some of the leading use cases for millimeter wave communications and set the stage for the analysis that follows. In the second and third sections, we will delve into the ...

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