

Title: 5G base station microstrip circuit

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This paper presents a 28- and 38-GHz bandpass filter for 5G communication systems, which is implemented in an interdigital-coupling microstrip line structure on a Rogers ...

A new high-band microstrip patch antenna for 5G networks is presented in this chapter. The antenna was simulated using CST software and features a 50 Ω microstrip feed ...

In this paper, an equivalent circuit model-based electrically small patch antenna is designed for sub-6 GHz 5G application (3.5 GHz) using 50- Ω microstrip line feed.

In this work, a compact single-layer dual-band patch antenna for N78 and N79 frequency bands is proposed for 5G Terminal applications. Metal cavities placed between the ...

In 5G base stations, vehicle mounted radars, and satellite communication systems, microstrip lines serve as the core carrier for signal transmission, and their design ...

This paper presents the design and performance analysis of a microstrip patch antenna tailored for 5G frequency bands, specifically targeting the 28 GHz and 38 GHz ranges within the ...

A consummate 5G chip-set has been designed as a result of teaching and research investigations. All the modules for 5G communication have been designed and simulated ...

The microstrip patch antenna planar arrays with rectangular, circular and hexagonal shapes are designed and results are compared using High Frequency Structure Simulator (HFSS) software.

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