

Multi-Probe Anechoic Chamber MIMO-OTA Approach and Future Work

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Abstract:

Multi-probe anechoic chamber is widely accepted as a MIMO-OTA test approach, which is able to create channel environment with desired spatial characteristics around the mobile. In this work, we established a 2D anechoic chamber. Calibration and channel model validation are performed according to the standard draft of 3GPP and CTIA. Inter-lab comparison is performed using real mobile devices, with different channel emulators. All these results are submitted to standard body in China, CCSA. CCSA is about to release the relevant MIMO-OTA standard, and also started a new research topic to address the future MIMO-OTA related work such as virtual road test.