

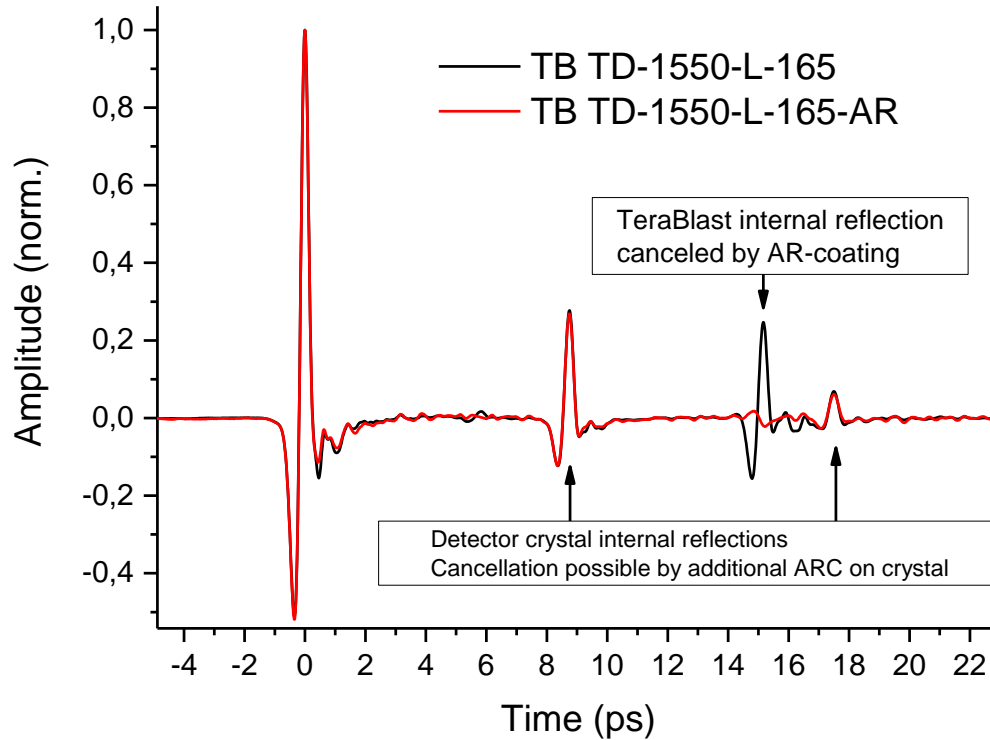
A microscopic image showing a complex, multi-layered structure of a THz emitter. The structure consists of numerous parallel, rectangular elements arranged in a grid-like pattern. A sharp, metallic probe tip is positioned above the structure, and a bright, multi-colored light source is visible in the upper left corner, illuminating the scene.

TeraBlast

Bias-free large-area THz emitter

*Protemics GmbH
Aachen, Germany*

AR coating performance



Set-up

Laser system:
Ti-Saphir ASOPS-system,
„Taccor“, LaserQuantum GmbH

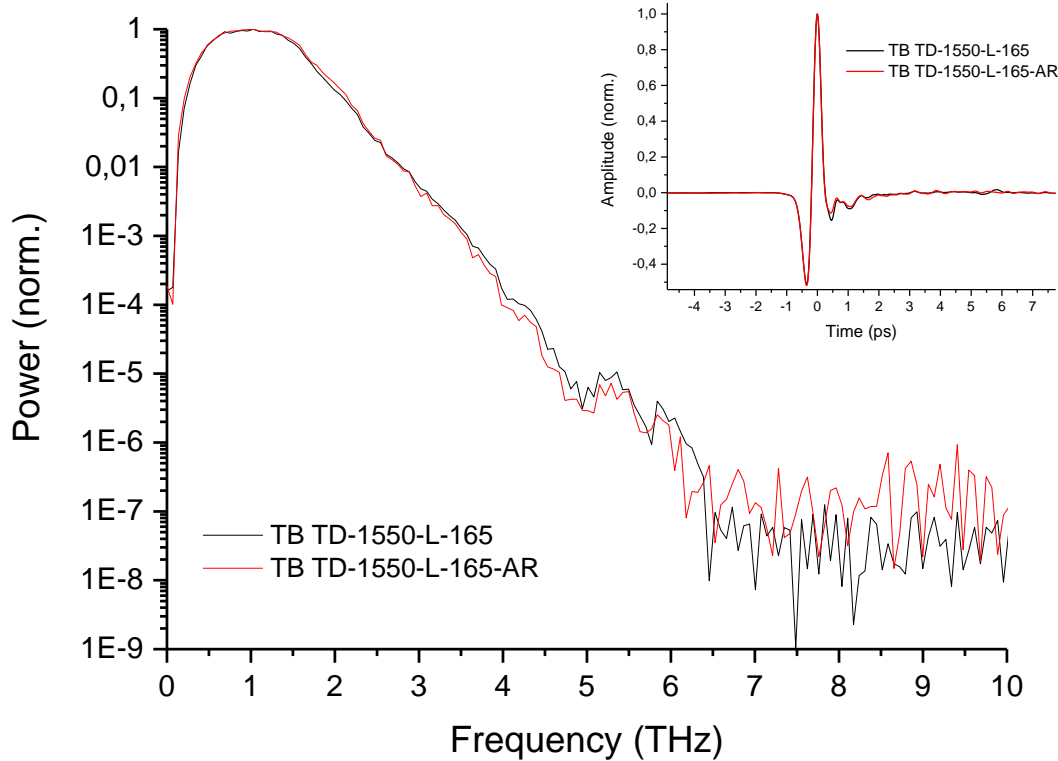
Avg. pump power:
650 mW

Focus diameter ($1/e^2$):
65 μm

Detection crystal:
GaP, 400 μm thickness

N_2 -purged THz transmission path

AR coating spectral influence



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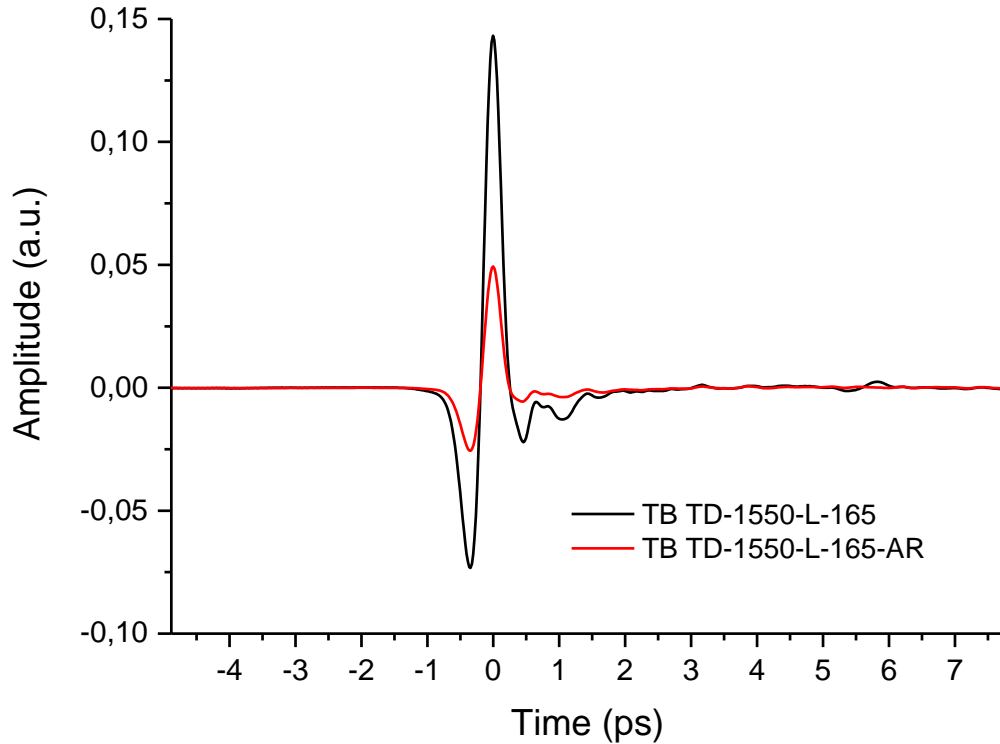
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N₂-purged THz transmission path

Amplitude reduction by ARC



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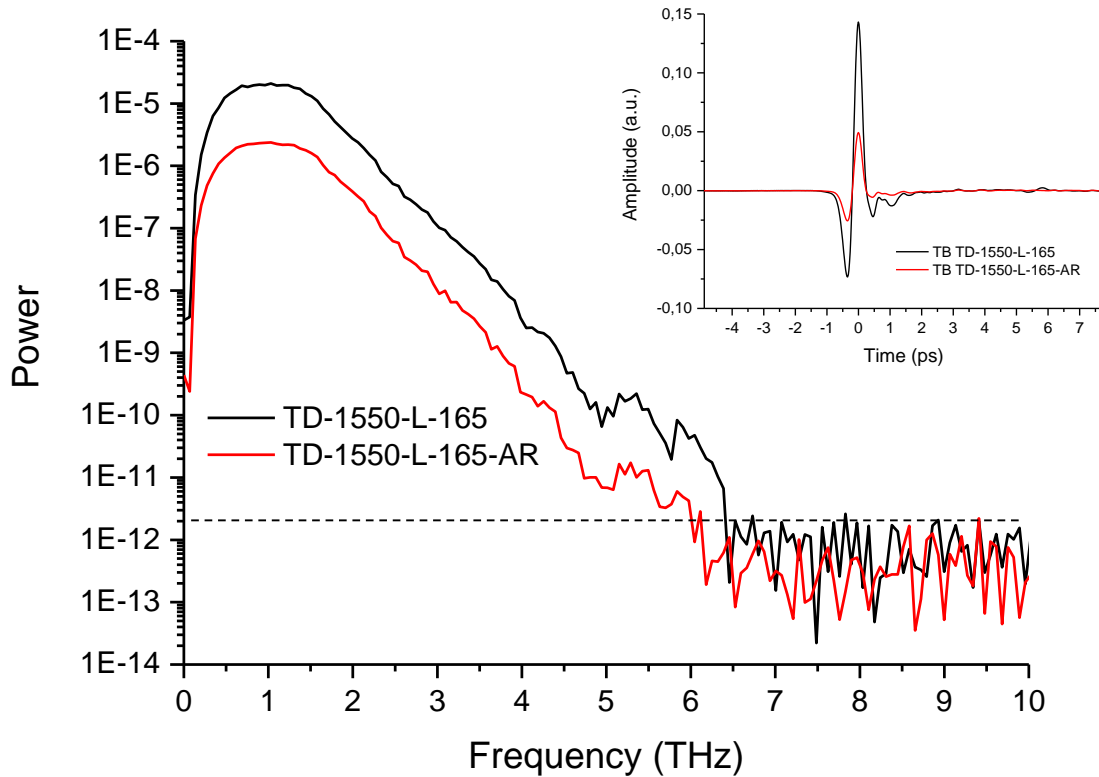
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N₂-purged THz transmission path

Contact information



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