Comfort and Driving Assistance Systems

Declaration

Antenna gain declaration

We VALEO Klimasysteme GmbH hereby declare under our sole responsibility, that the indicated antenna gain of 6.67 dBi of the product CPD002 (202-JCE096) corresponds to the antenna gain activated / operated during the conformity measurement scenario, including a duty cycle of 5.27%.

The indicated antenna gain results of the simulation:

CPD002 product and operational description

Antenna structure - TX patch antenna in E-plane cut

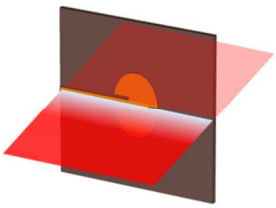

Figure 15: Single elliptical Tx antenna patch with the presentation of the E-plane

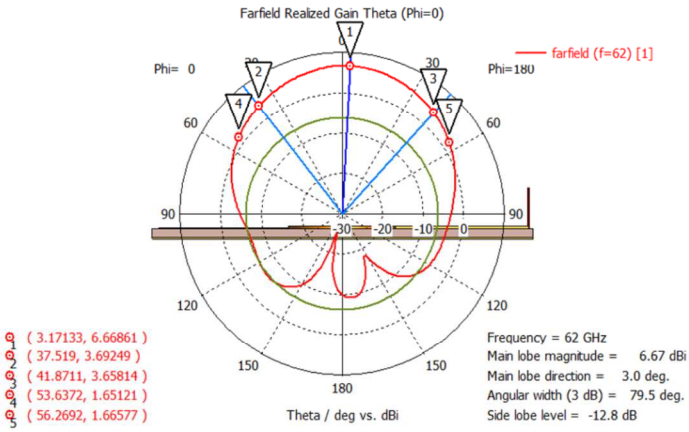

Figure 16: Gain pattern of the single elliptical Tx patch antenna in E-plane cut

CPD002 product and operational description

Antenna structure - TX patch antenna in H-plane cut

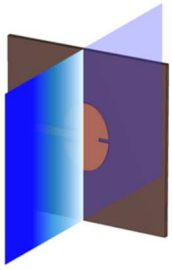

Figure 17: Single elliptical Tx antenna patch with the presentation of the H-plane

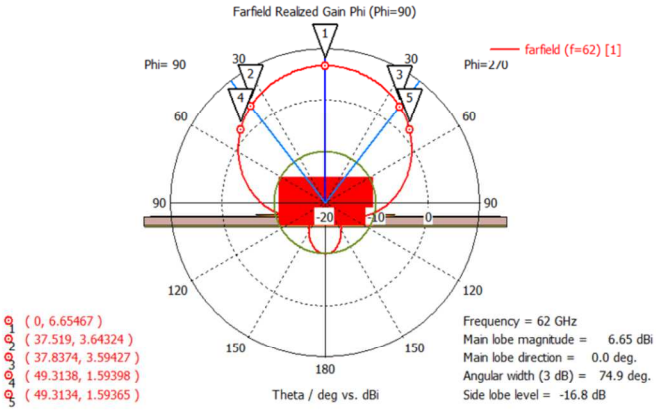

Figure 18: Gain pattern of the single elliptical Tx patch antenna in H-plane cut

The simulation was performed by:

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