

## 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

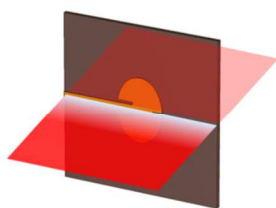


Figure 15: Single elliptical TX antenna patch with the presentation of the E-plane

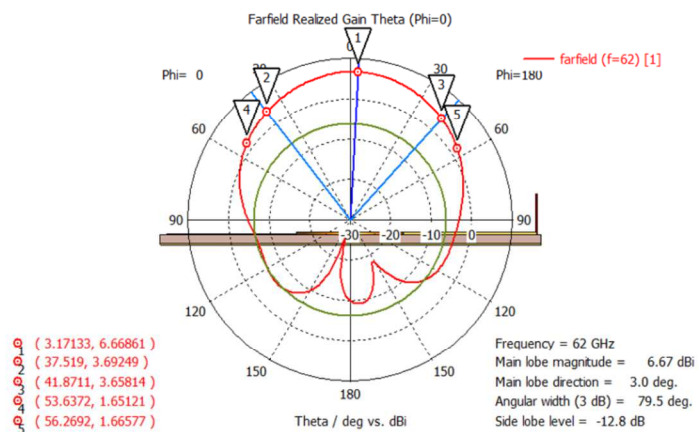


Figure 16: Gain pattern of the single elliptical TX patch antenna in E-plane cut

CPD002 product and operational description

### Antenna structure - TX patch antenna in H-plane cut

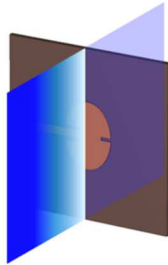


Figure 17: Single elliptical TX antenna patch with the presentation of the H-plane

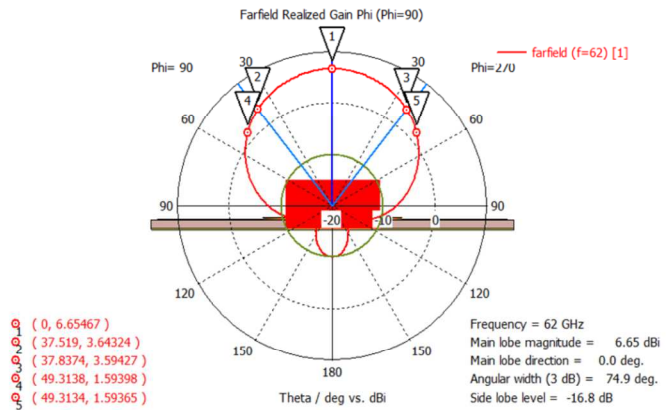


Figure 18: Gain pattern of the single elliptical TX patch antenna in H-plane cut

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The simulation was performed by:

Dr.-Ing. Frank Sickinger  
Valeo Schalter und Sensoren GmbH  
Laiernstrasse 12  
74321 Bietigheim-Bissingen

*Ch. Eibl*

Signature

|         |                                                         |
|---------|---------------------------------------------------------|
| Company | VALEO Klimasysteme GmbH                                 |
| Address | Werner-von-Siemens-Strasse 6, 96476 BAD RODACH, GERMANY |
| Name    | Christian Eibl                                          |
| Phone   | +49 (0) 176 3000 1082                                   |
| Email   | christian.eibl@valeo.com                                |
| Datum   | August 2, 2024                                          |