

## 60GHz millimeter wave radar antenna

### 1. Antenna type

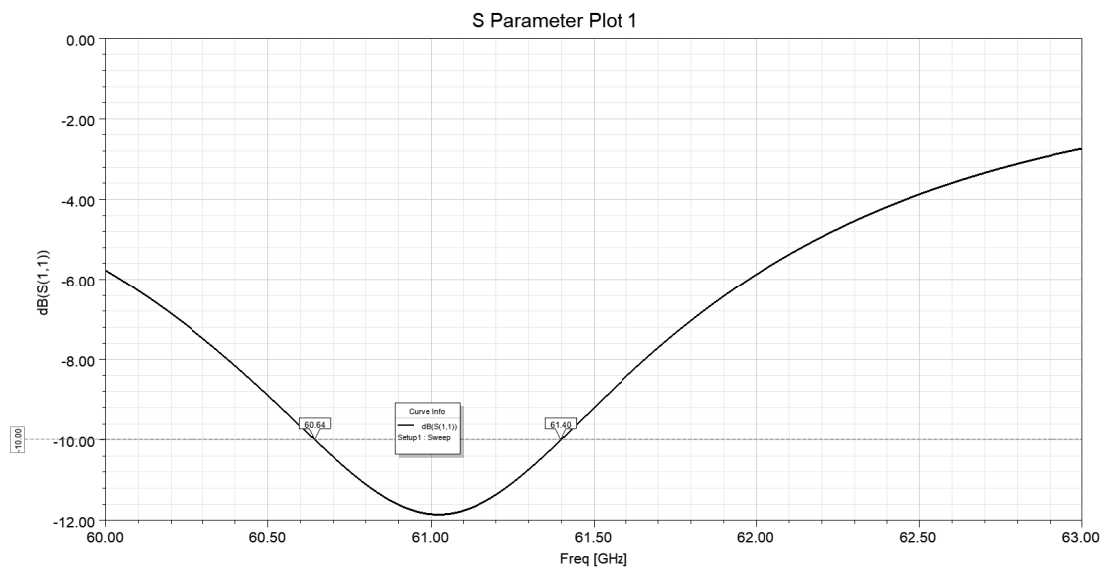
The antenna uses a patch antenna, as shown in the figure below:



transmitting antenna

### 2. Return loss

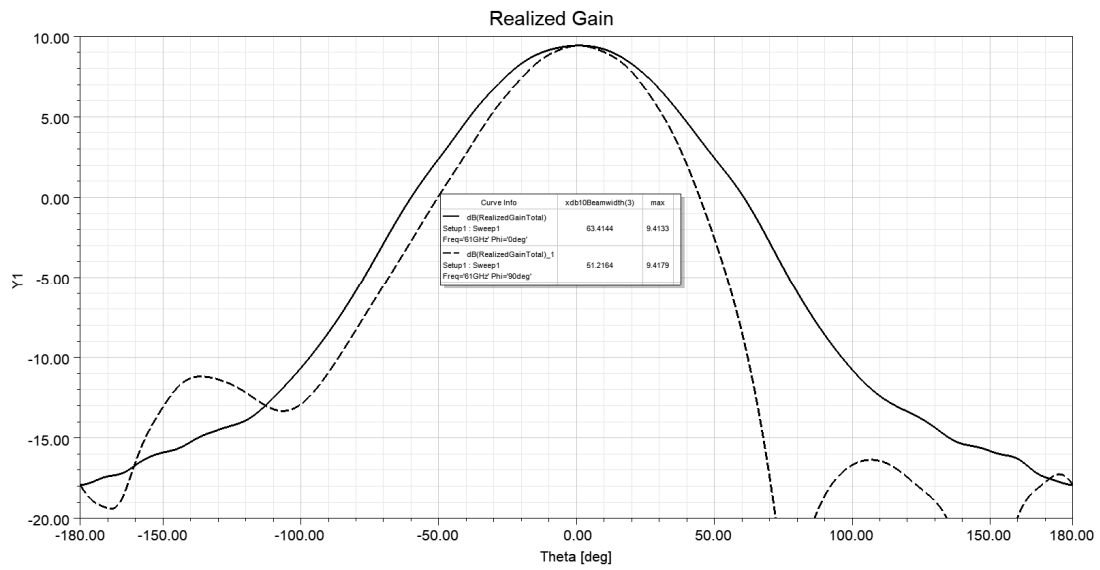
Return loss is shown in the figure below:



Transmitting antenna return loss

### 3. Transmitting antenna gain

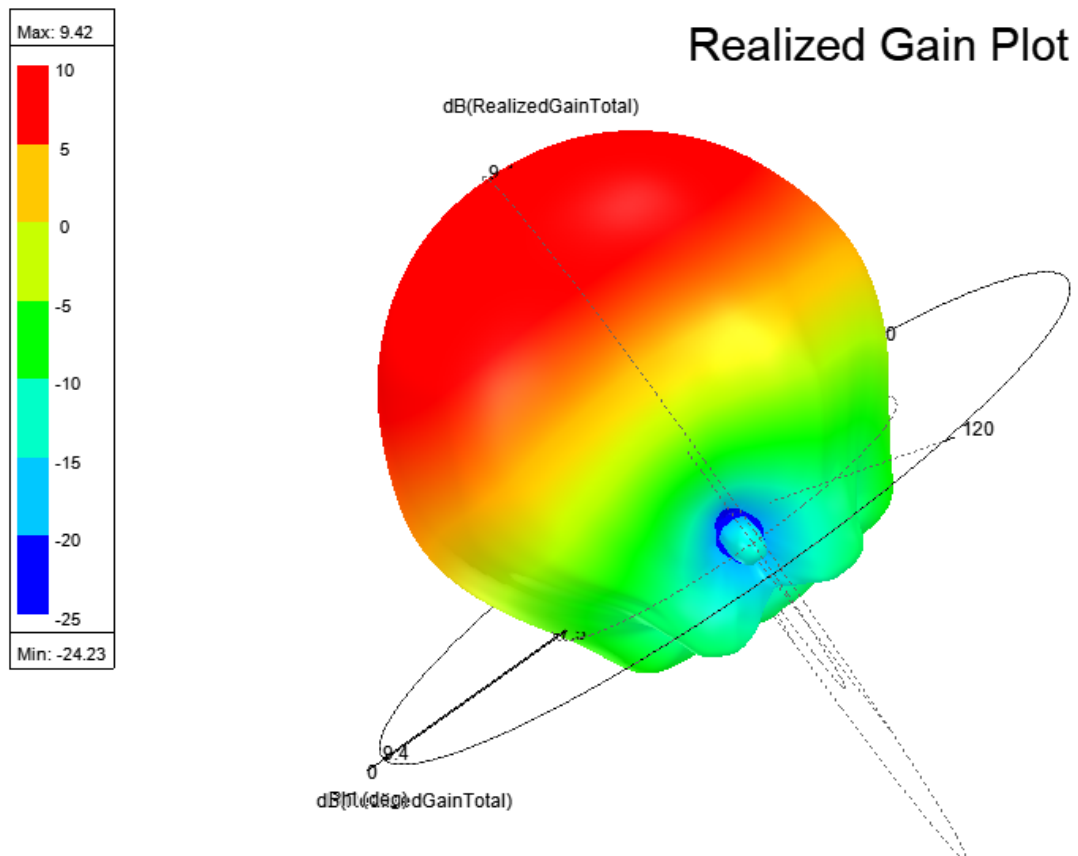
The transmitting antenna gain is shown in the figure below:



Transmitting antenna gain

#### 4. direction map

The direction diagram is as follows:



Transmitting antenna 3D pattern

#### 5. Antenna key technical indicators

Transmitting antenna gain: 10dBi

3dB beam width:  $\pm 30^\circ$

Antenna channel: 4T4R

Operation frequency: 60-62GHz

Manufacturer: Autel Robotics Co., Ltd.

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