



Antenna Specification

V 1.1

SHENZHEN JOYE SENTECH CO., LTD

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Version Updated Record

Version	Update	Writer	Approval	Time
V1.0	document creating for the first time	WcGong	Xuchen	April 4, 2026

Catalog

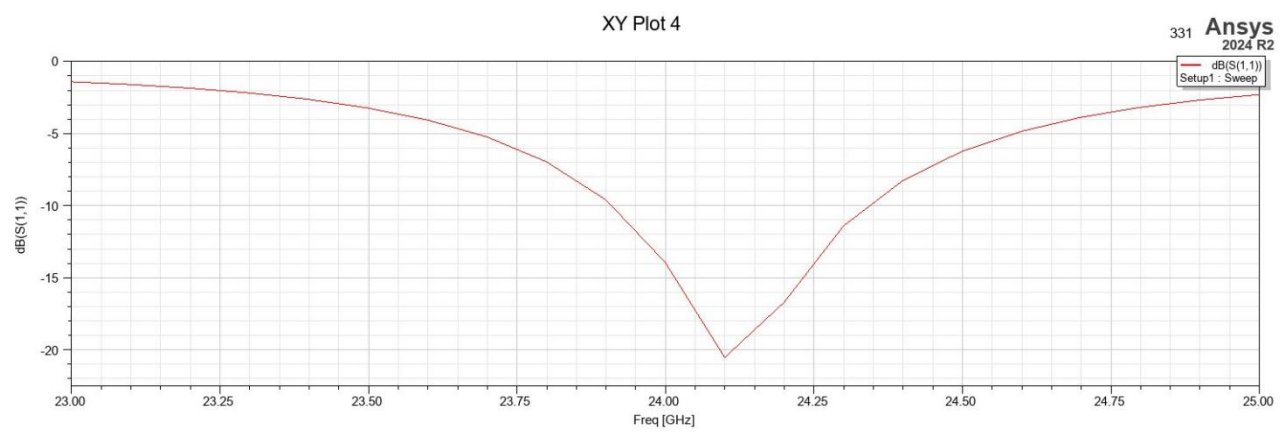
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1 Electrical Characteristics

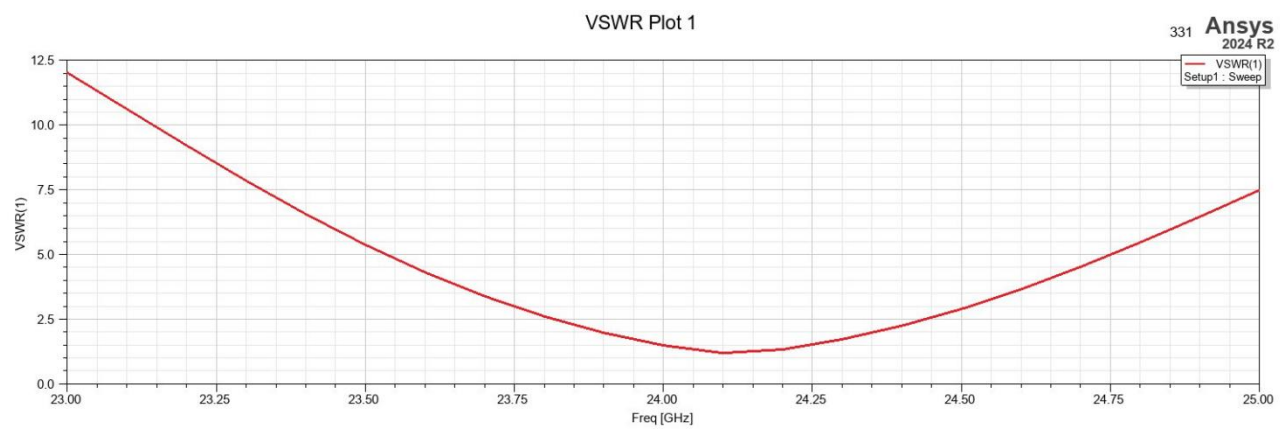
1.1 Brief Characteristics

YTA-18V11	Specification
Working Frequency	24.00GHz-24.25GHz
Impedance	50 Ω
Gain	9 dBi
VSWR	< 2
Operation Temperature	-40 ~ 85°C

1.2 Parameter of S11

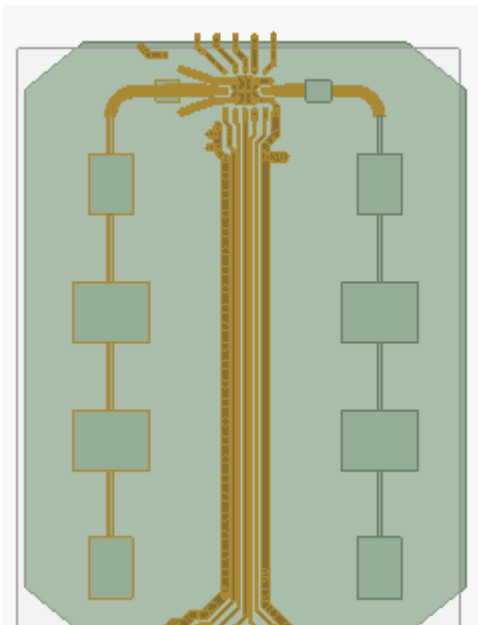
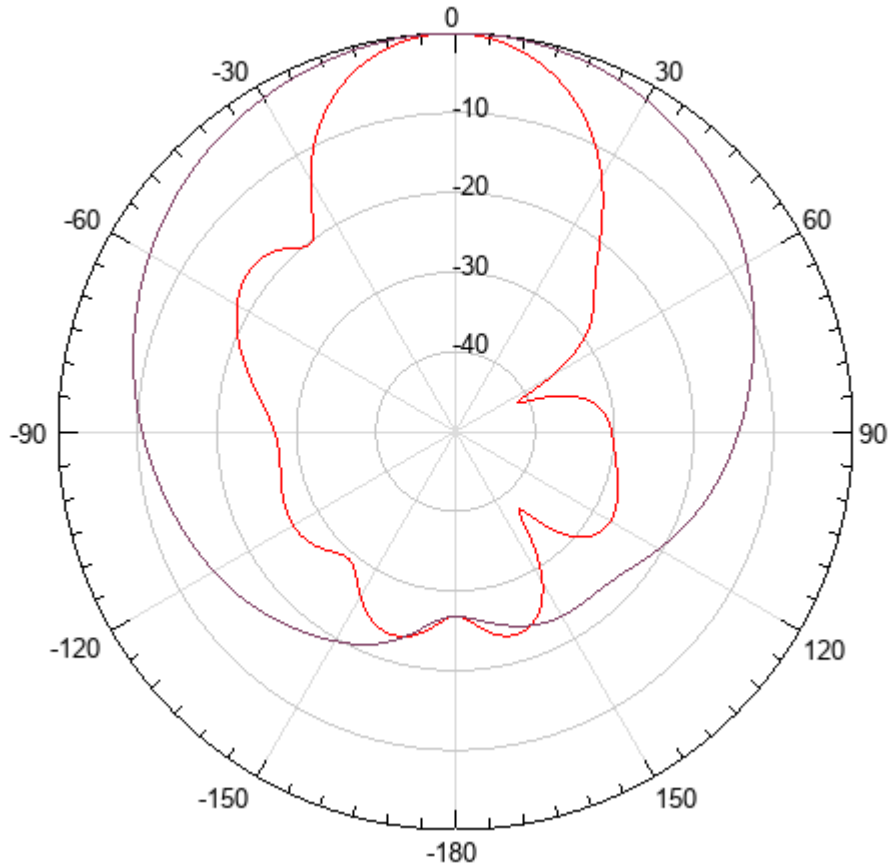


1.3 Parameter of VSWR

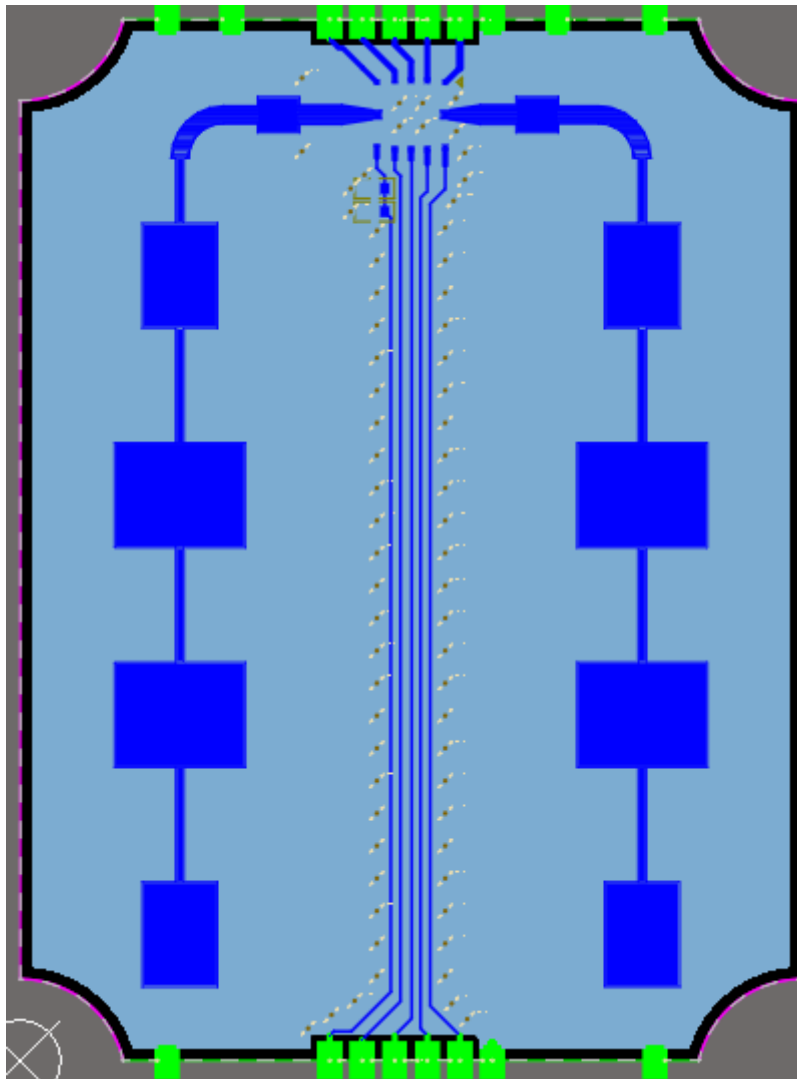


1.4 Antenna Pattern

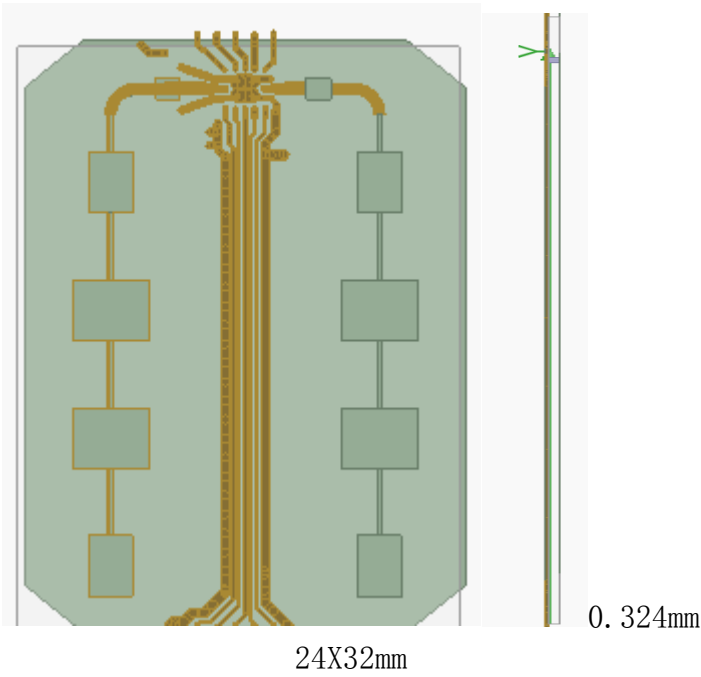
The radar sensor uses a directional, integrated and separated Tx- /Rx-Patch antenna with a normalized relative TX antenna gain pattern as shown in the following figure and a TX antenna gain of 9 dBi in the main beam.



2 Antenna Picture



3 Antenna Size



4 Manufacturer Information

Company Name	SHENZHEN JOYE SENTECH CO., LTD
Address	Room 706, Building-523, Bagualing Industrial Zone, Bagua 2nd Road, Futian, Shenzhen
Telephone	86 0755 82280148