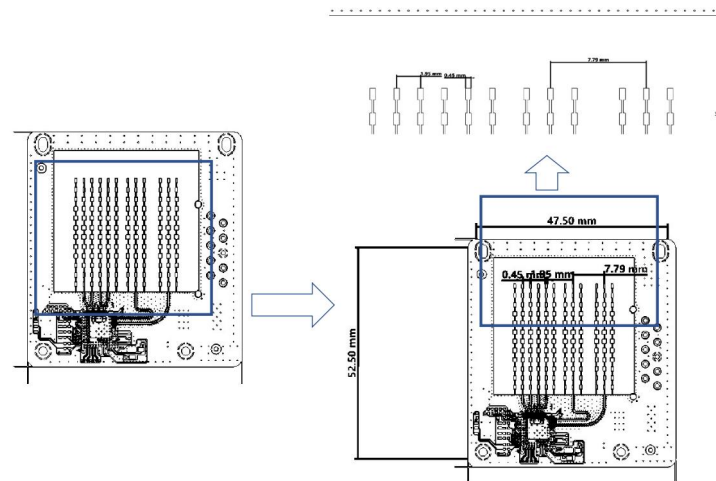


1、Supplier

Microbrain Intelligent Technology Co., Ltd,

Address: 3rd floor, building A, Chentai science park, No.56 Wanglong Rd, Yuelu distric, Changsha, Hunan, China.

2. Antenna detail Size



Antenna Size

3. Antenna S parameter

The Radar antenna operates at 77-78GHz and resonates in this band. The following table shows the main characteristics of the antenna.

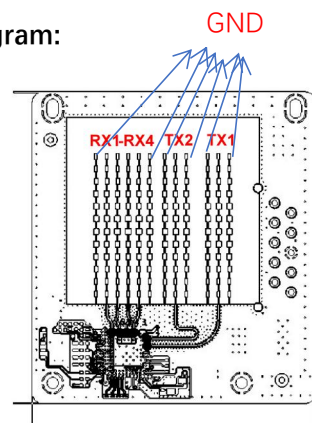
Polarization: linear polarization

Antenna type: microstrip patch array **Antenna model:**SRD12010400177

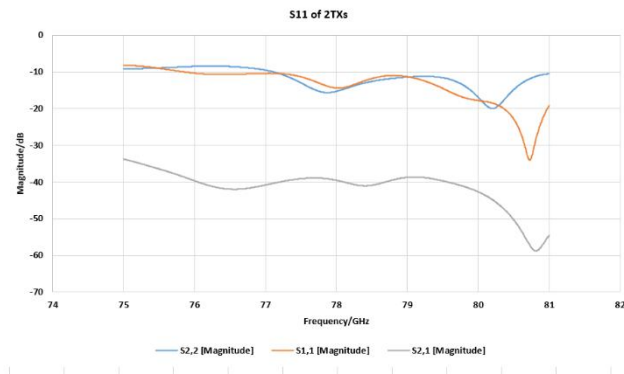
Impedance: 50Ω

ROE (S11): < -10dB (77-78GHz)

Antenna Radiation Pattern Diagram:

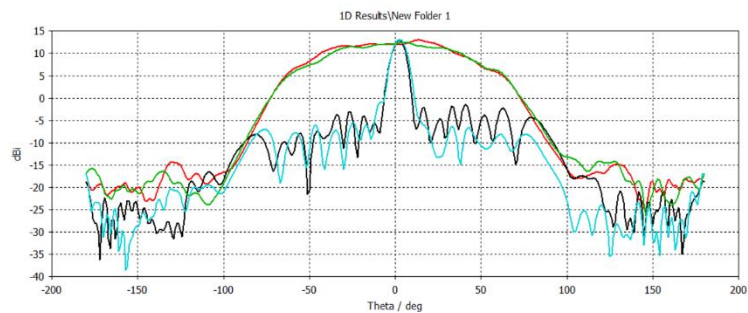


Antenna Simulation model

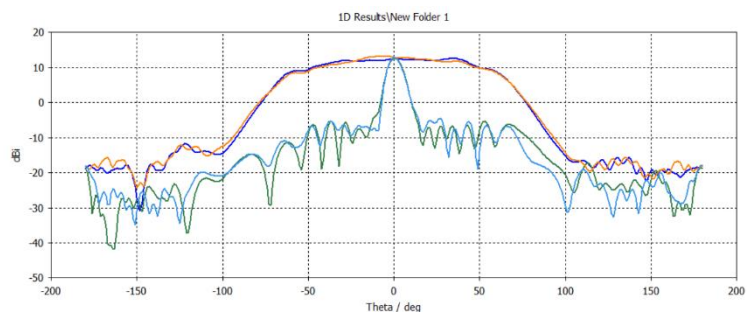


S parameters

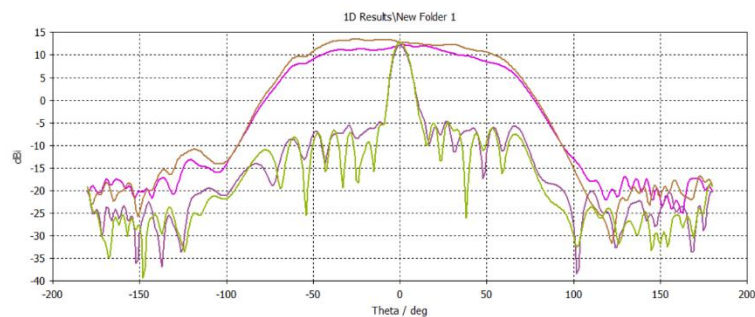
4. Antenna Radiation Pattern Diagram:



TX1 and TX2 Radiation pattern of 78GHz (show azimuth and elevation plane)



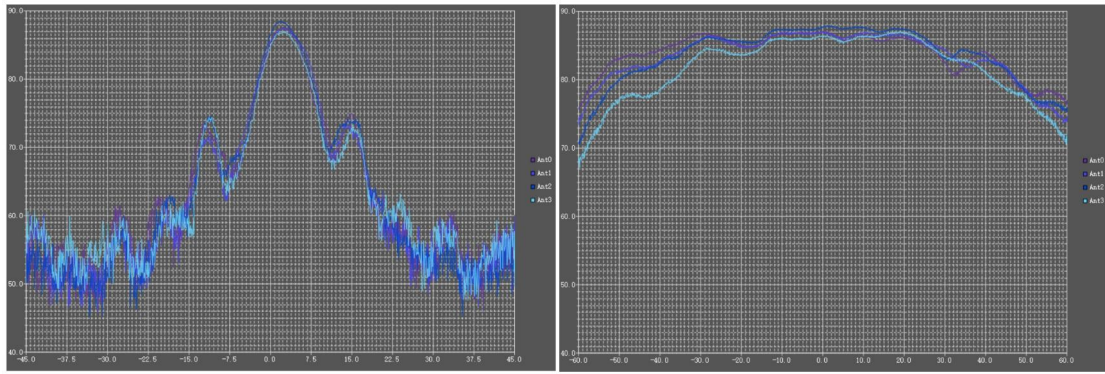
RX1 and RX2 Radiation pattern of 78GHz (show azimuth and elevation plane)



RX3 and RX4 Radiation pattern of 78GHz (show azimuth and elevation plane)

Antenna gain:13.5dBi

5. Antenna Radiation Pattern Diagram in free space chamber:



Ant0~3 mean Rx1~Rx4