

Antenna Datasheet

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Type: Patch Antenna

Manufacturer Name: Q Global Solutions Electronics Corp.

Address: 195 Si-Ming Yuan, Tong-An Collective Industrial Park, Tong-An District, Xiamen, Fujian, China

Specification:

Item	Frequency	Gain (Center Frequency)
Tx0 Tx1	77-79.0GHz	10.5 dBi
Tx2 Tx3	77-79.0GHz	17.5 dBi

1. Configuration (dimension unit: mm)

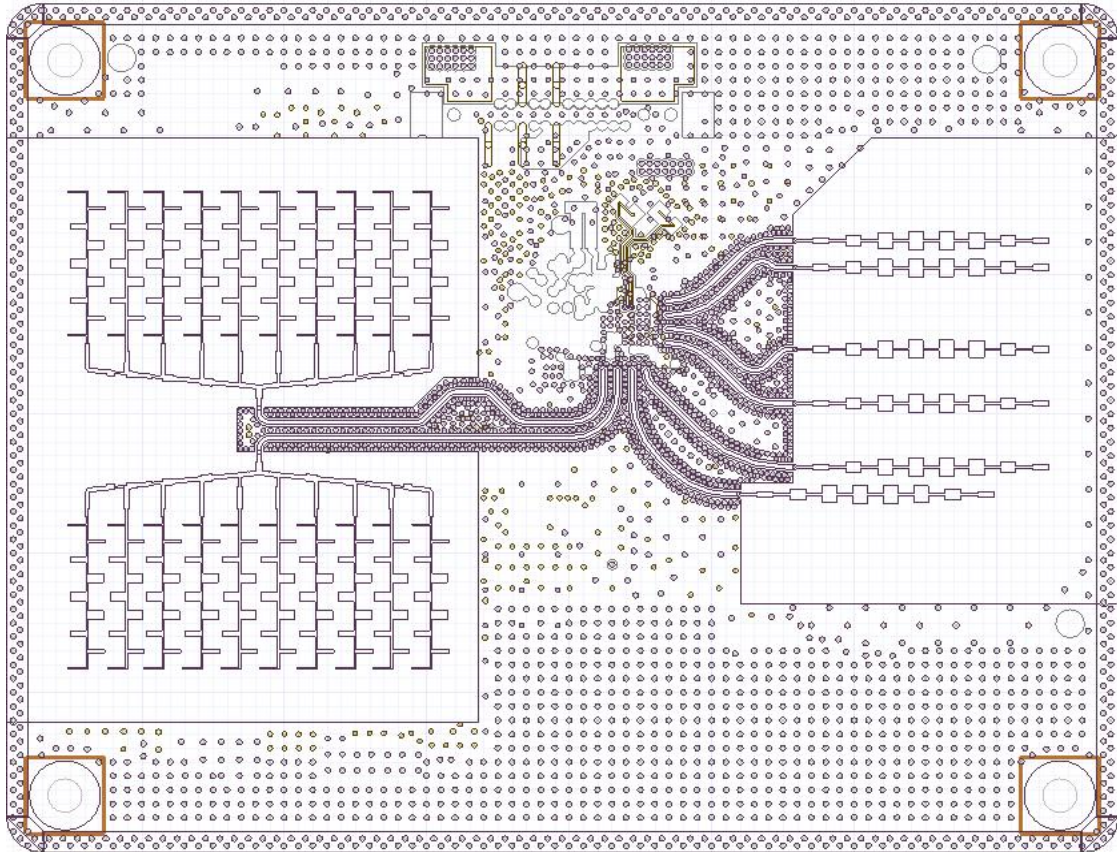


Figure 1 relative position of antenna on the top layer of board

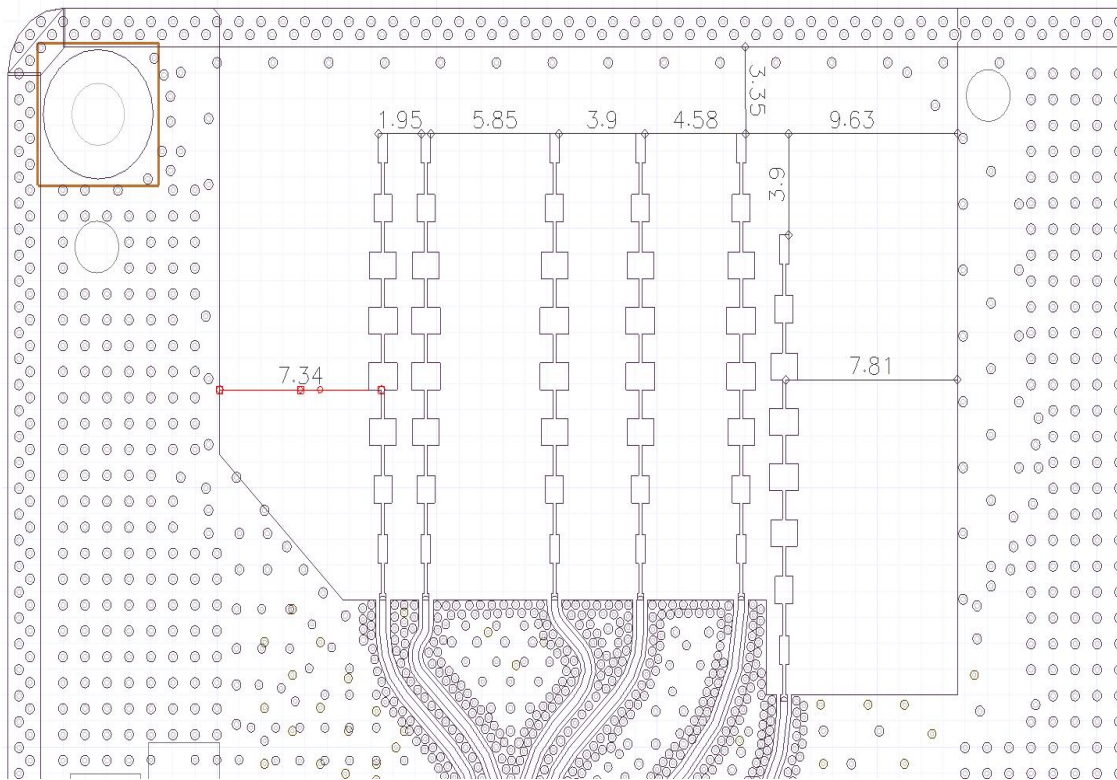


Figure 2 dimension (Rx0 Rx1 Rx2 Rx3 Tx0 Tx1)

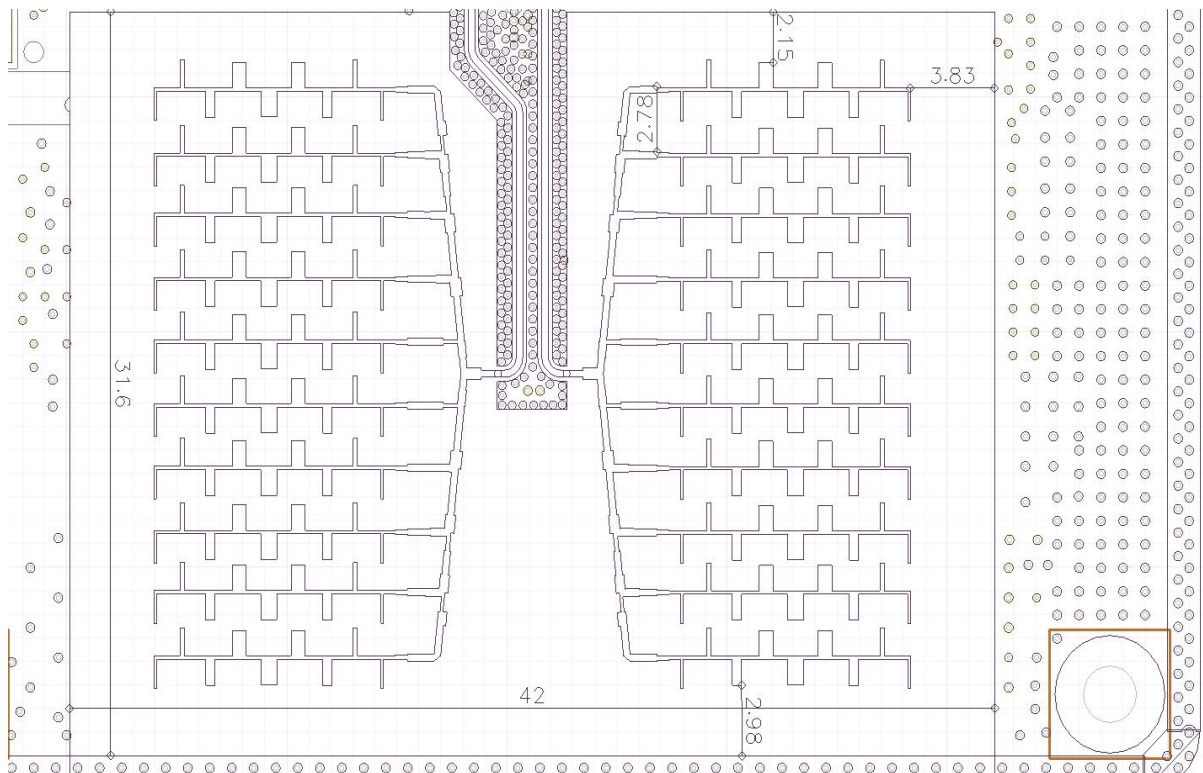


Figure 3 dimension (Tx2 Tx3)

2. Tx Antenna Results (Ansys HFSS_ Simulation)

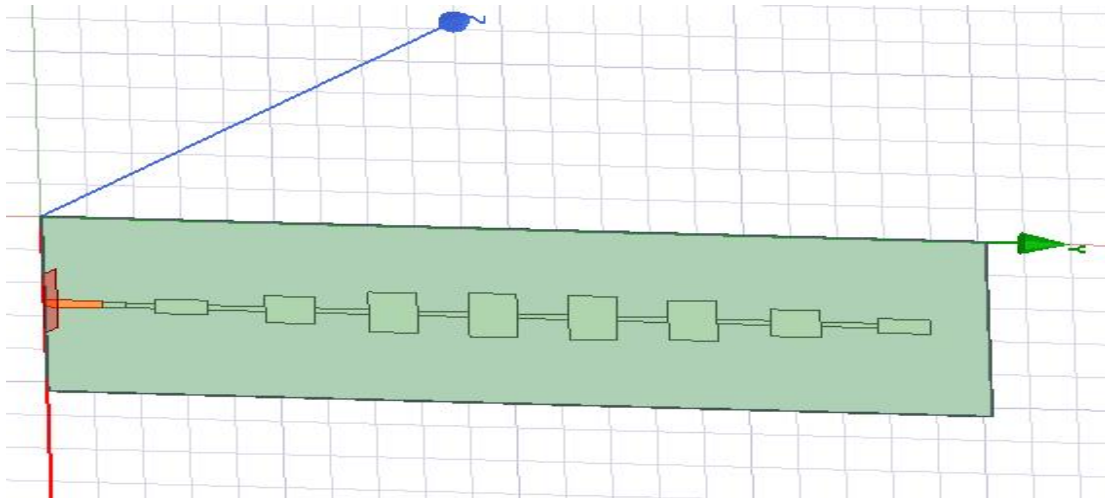


Figure 4 Tx Antenna(Tx0 Tx1)

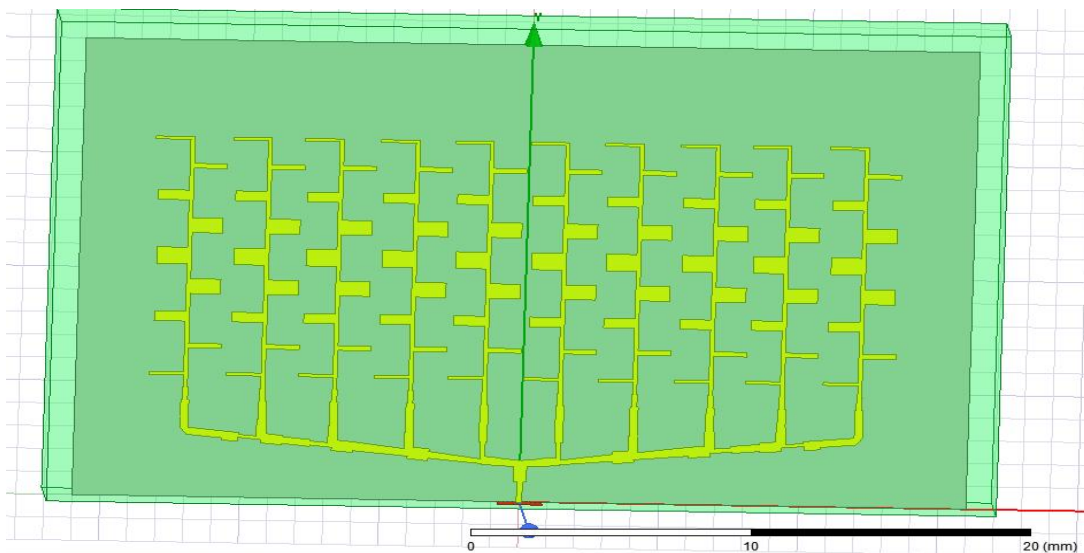


Figure 5 Tx Antenna(Tx2 Tx3)

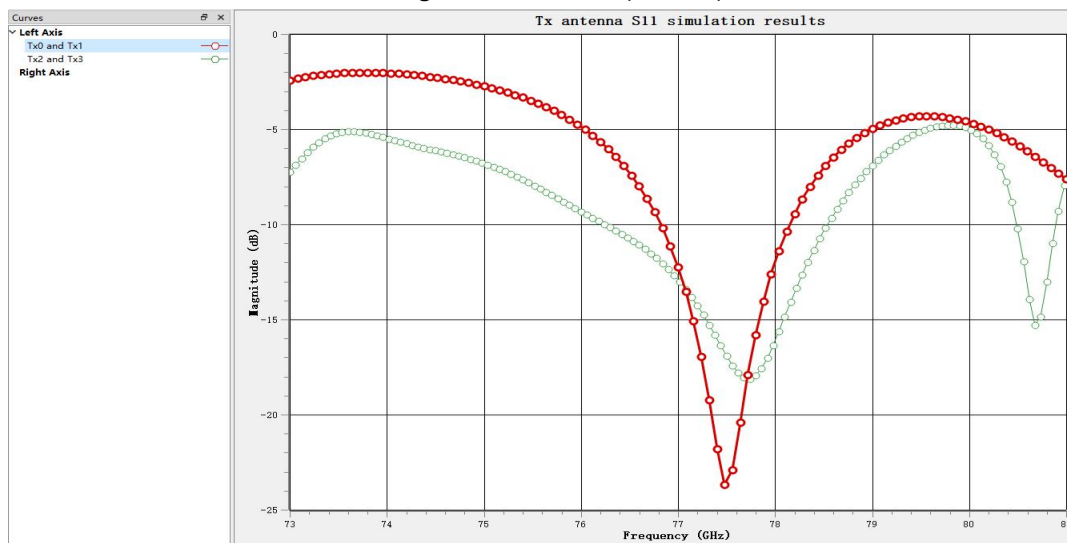


Figure 6 Tx Antenna S11

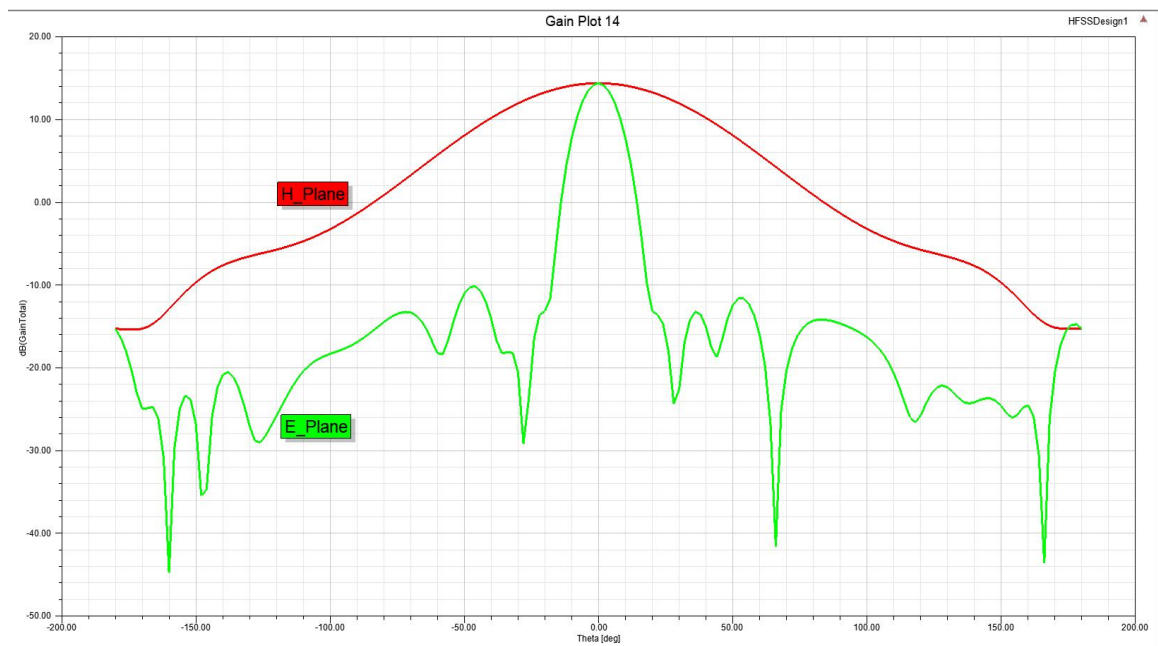


Figure 7 Radiation Pattern for Tx0(Tx1) Antennas at 77.5GHz

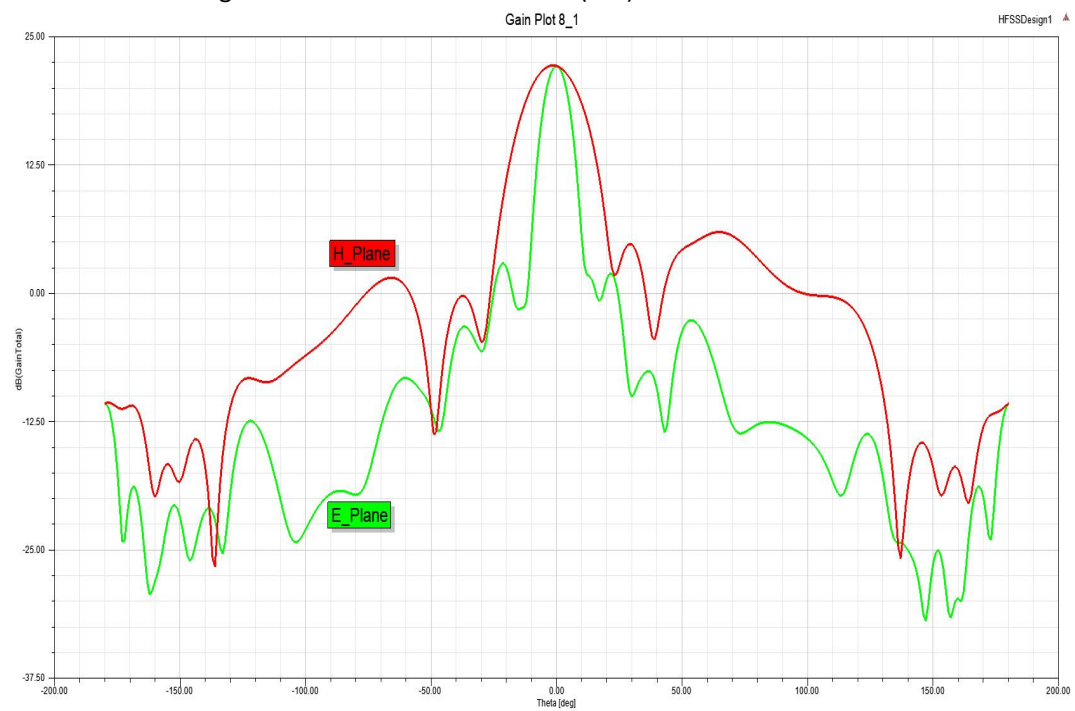


Figure 8 Radiation Pattern for Tx2(Tx3) Antennas at 77.5GHz