

60GHz radar IC AT60MF1T2RP32A's AIP antenna Specification

1. Basic information

ANTENNA type	AT60MF1T2RP32A-AIP
Manufacturer	Airtouch (Shanghai) Intelligent Technology Co., Ltd
Manufacturer' address	11th Floor, Building 4, Lane 388, Shengrong Road, Pudong New Area, Shanghai, China

2. Antenna pattern

The three-dimensional coordinates of the AIP antenna of AT60MF1T2RP32A are shown in Fig. 5.1.

The phase difference between two receiving antennas is 180 degrees.

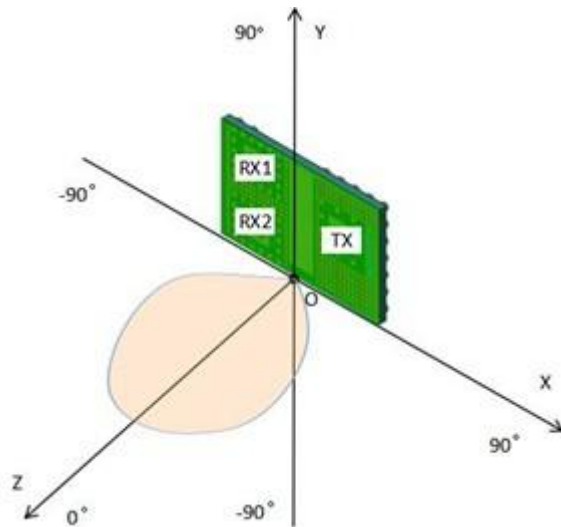


Fig.5.1 XYZ coordinates

The radiation patterns of the RX antenna and TX antenna of AT60MF1T2RP32A are shown in Figures 5.2, 5.3 and 5.4.

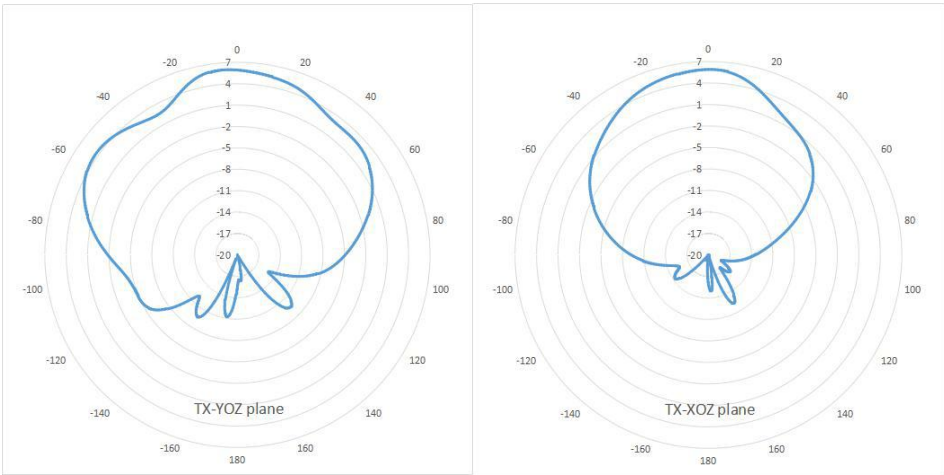


Fig. 5.2 Radiation direction of TX antenna

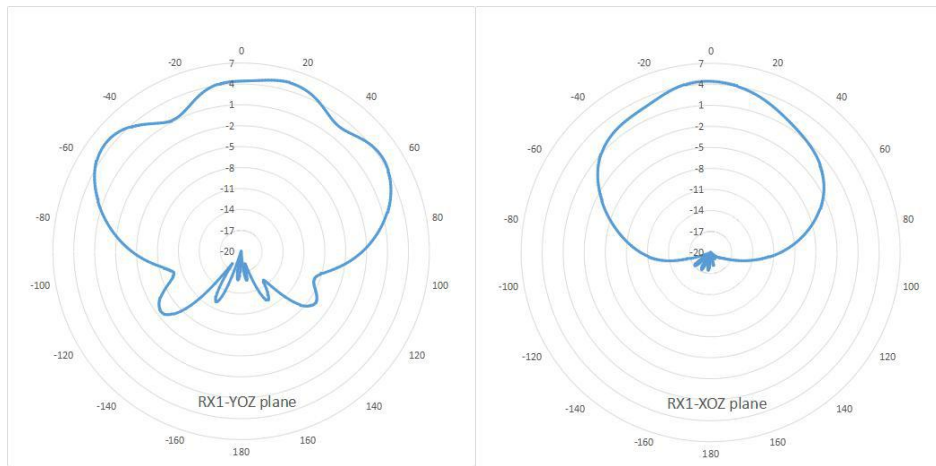


Fig. 5.3 Radiation direction of RX1 antenna

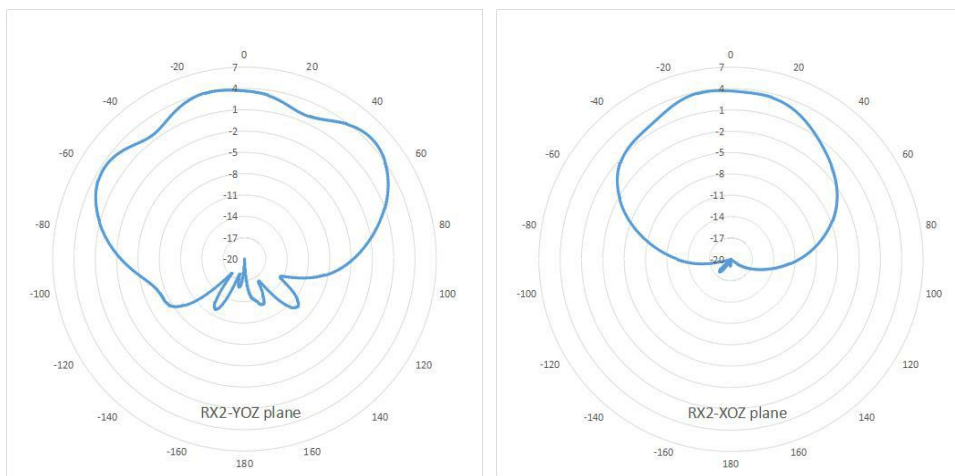


Fig. 5.4 Rdiation direction of RX2 antenna

3. Antenna Characteristics

AT60MF1T2RP32A's transmitter parameters are shown in Table 6.3.

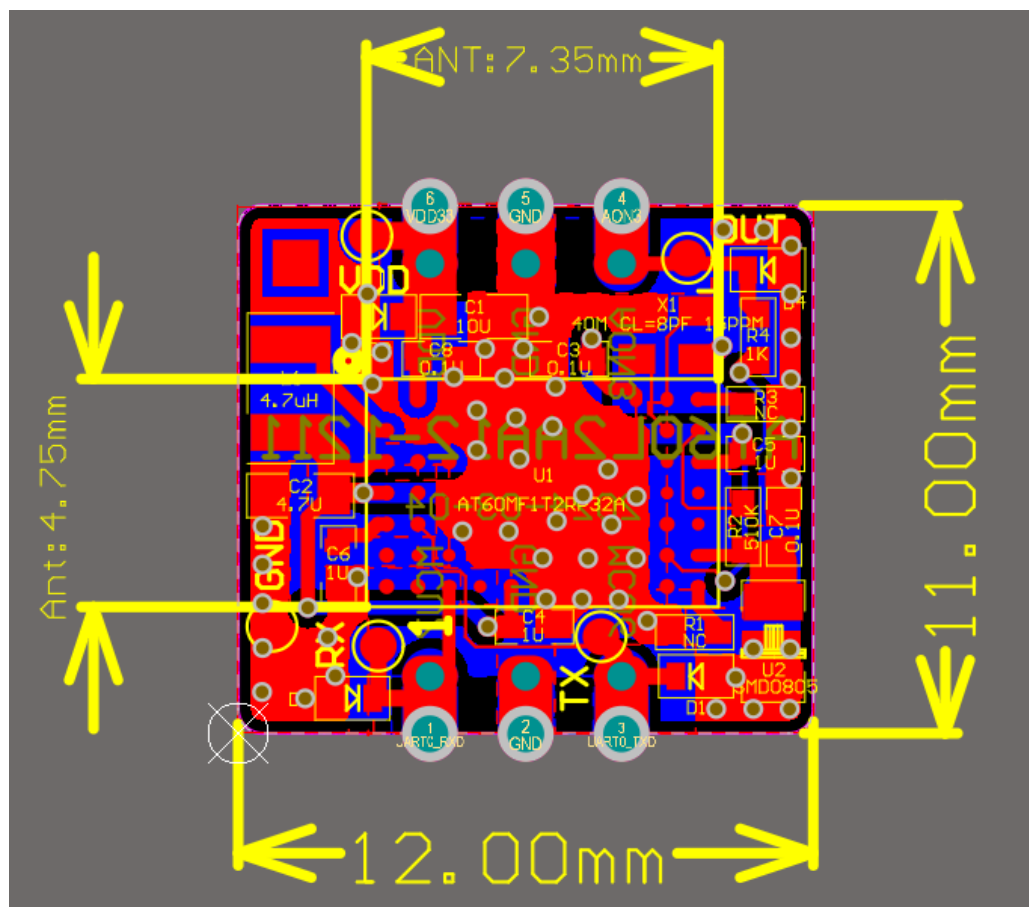
Table 6.3 AT60MF1T2RP32A's Tx anrameter

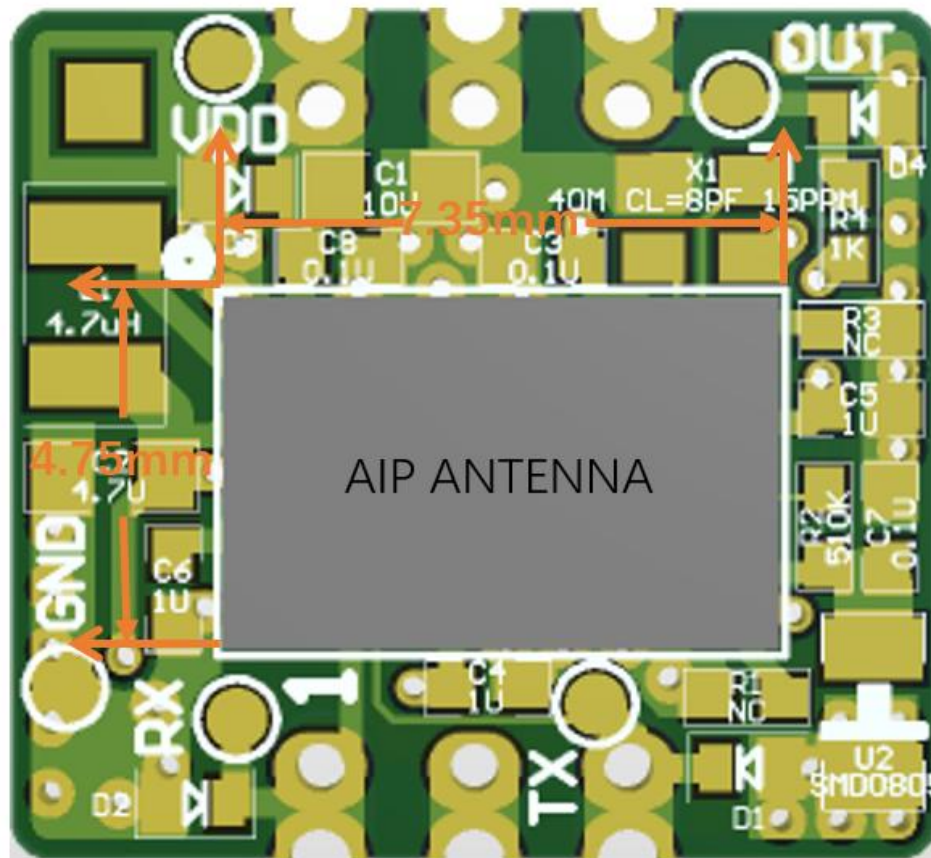
Parameter	Symbol	Min.	Typ.	Max.	Unit	Note/Test Condition
TX Ant. Gain	GANT simulation	-	5	5.27	dbi	

Table 6.4 AT60MF1T2RP32A's RX Parameter

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note/Test Condition
RX Ant. Gain	GANT simulation	-	4	-	dbi	

4. Module and AIP antenna Size





Size	Length (mm)	Width(mm)
AT60L2AA12-1211 Module	12	11
AT60MF1T2RP32A-AIP Antenna	7.35	4.75