

SPECIFICATION



ShenZhen TianDa Communication CO., LTD

FT11 ANT

Product Specification

custom	Second wireless transmission	Frequency	2400-2500MHz
entry name	FT11		
date	2023.06.17		

ShenZhen TianDa Communication CO., LTD.

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Confidentiality requirements

Shenzhen Tianda Communication Co., Ltd. already possesses the information provided by proprietary technology, which should be strictly confidential and not allowed to be disclosed to anyone or company without the prior written consent of Shenzhen Tianda Communication Co., Ltd.

一、BT ANT

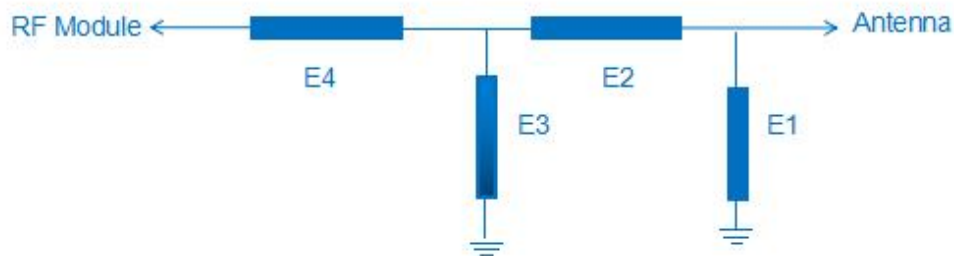
1、specifications

This acknowledgment mainly provides the testing status of the electrical and structural performance parameters of the BT antenna for the FT11 project. The following image shows the design of a BT antenna by Investec.



The working frequency range of the antenna in this project is 2400-2500MHz. The following are the electrical performance indicators for the antenna designed and produced by Investec.

WIFI		
Frequency band	Frequency (MHz)	VSWR
WIFI	2400~2500	≤ 2.0



series with a 2.2nH inductor, and connected in parallel with a 2.2pF capacitor.

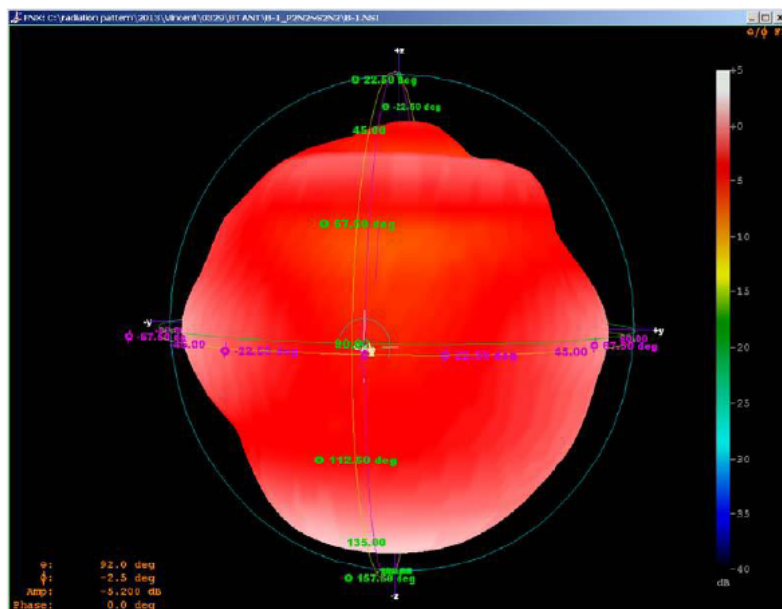
Mem2(Trc1) 511 SWR 1 U/ Ref 1 U Invisible

Marker	Frequency (GHz)	SWR
M1	2.400000	1.3832 U
M2	2.500000	1.3817 U
M3	4.800000	—
M4	7.200000	—

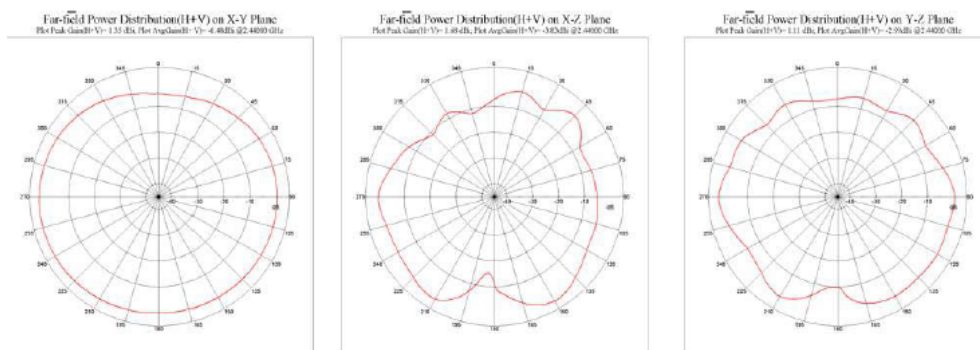
10
9
8
7
6
5
4
3
2

M1 M2

f0 Start 700 MHz Pd 0 dBm Stop 3 GHz



3D radiation pattern diagram



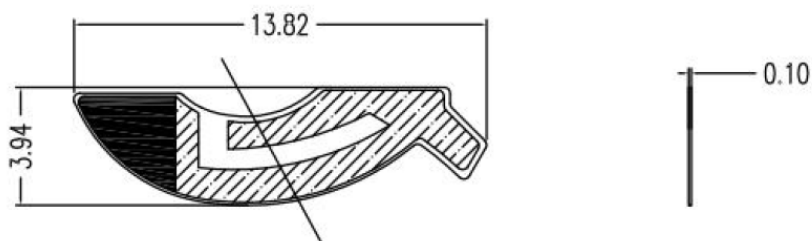
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Antenna Gain

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2400MHz	2500MHz	2400MHz	2400MHz	2500MHz
	-1.26	-0.76	-0.58	-5.25	-2.46	-1.86
MAX. Gain	-0.58dB					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	38.20mm					

The BT antenna is mainly composed of FPC.



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