

Antenna sample recognition

Customer:Rui Zhu	Date:2026-03-19
Material model:mini gateway	Material structure: FPC+coaxial cable
Material code:P-BEF-03A-B-1-2A	Material color: black
Antenna structure: Zigbee antenna welding coaxial cable (4st generation, total length 42mm)	Antenna material No.: Zigbee Antenna: P-BEF-03A-B-1-2A

Change record column

Formulation/change date	Change reason	Content of Change	Version
2026/3/19	New version released		V1.0

Quality	MD	RF	Approved by

Customer confirmation column

Quality	MD	Electronics	Approved by

Customer material No.:

- 1 _____
- 2 _____
- 3 _____

Customer requirements: :



Shenzhen AFT tech Electronic Co., Ltd.

Catalogue

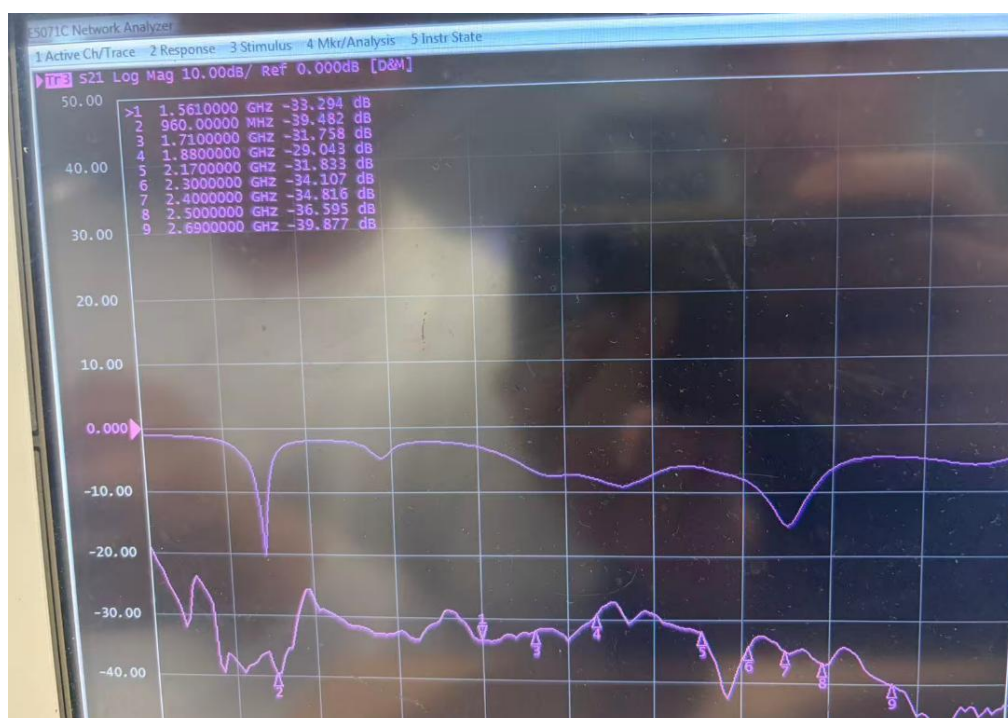
- 1、Cover
- 2、Catalogue
- 3、Product Chart
- 4、RF Test Data Report

Zigbee:

Passive standing wave diagram:



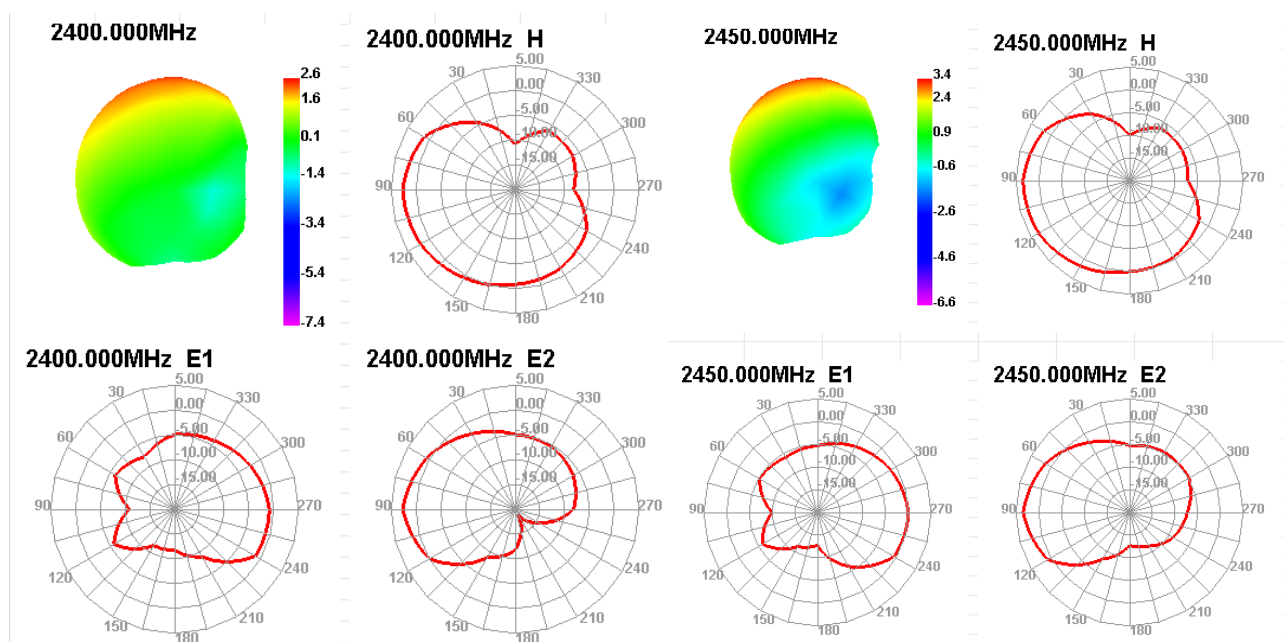
Antenna isolation degree:

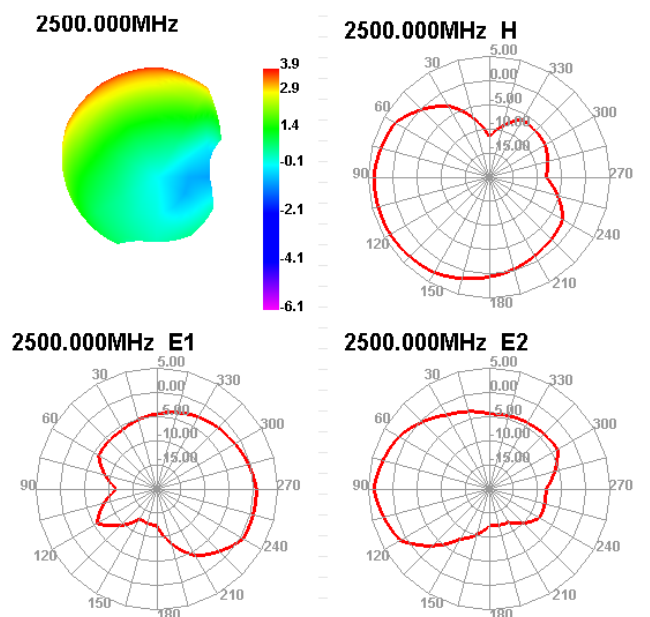


Antenna efficiency and gain:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	48.96	2.64
2410	48.78	2.63
2420	49.91	2.65
2430	55.86	3.12
2440	57.54	3.23
2450	59.78	3.43
2460	60.96	3.56
2470	63.7	3.8
2480	65.77	3.94
2490	66.88	3.96
2500	66.58	3.86

Apple chart and direction chart:





Antenna position map:

