



ATWE intelligent Communications(shenzhen)CO.Ltd.

No. : ATW-GC-003 A/0

Antenna Specification

Customer name: Zhenbai Acoustics

Customer Part number: B1019ANT0004

Bom number: ATWE-19-0003-030

Product name: ZM201-Pro-TX Shrapnel antenna

Date of issue: 2023-04-27

1. Purpose:

1. Through the description of product characteristics and inspection standards in this acknowledgement book, we can better communicate with customers and reach a consensus to avoid product quality disputes caused by inadequate communication.
2. If the products of our company need to be used in your partner factory, please contact your partner with the contents of this acknowledgement.

2. Product materials:

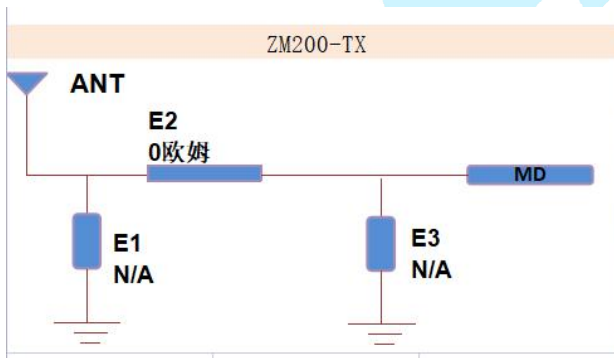
ZM201-Pro-TX	0.2T white copper – no surface treatment


3. Product style:



4. Antenna test data

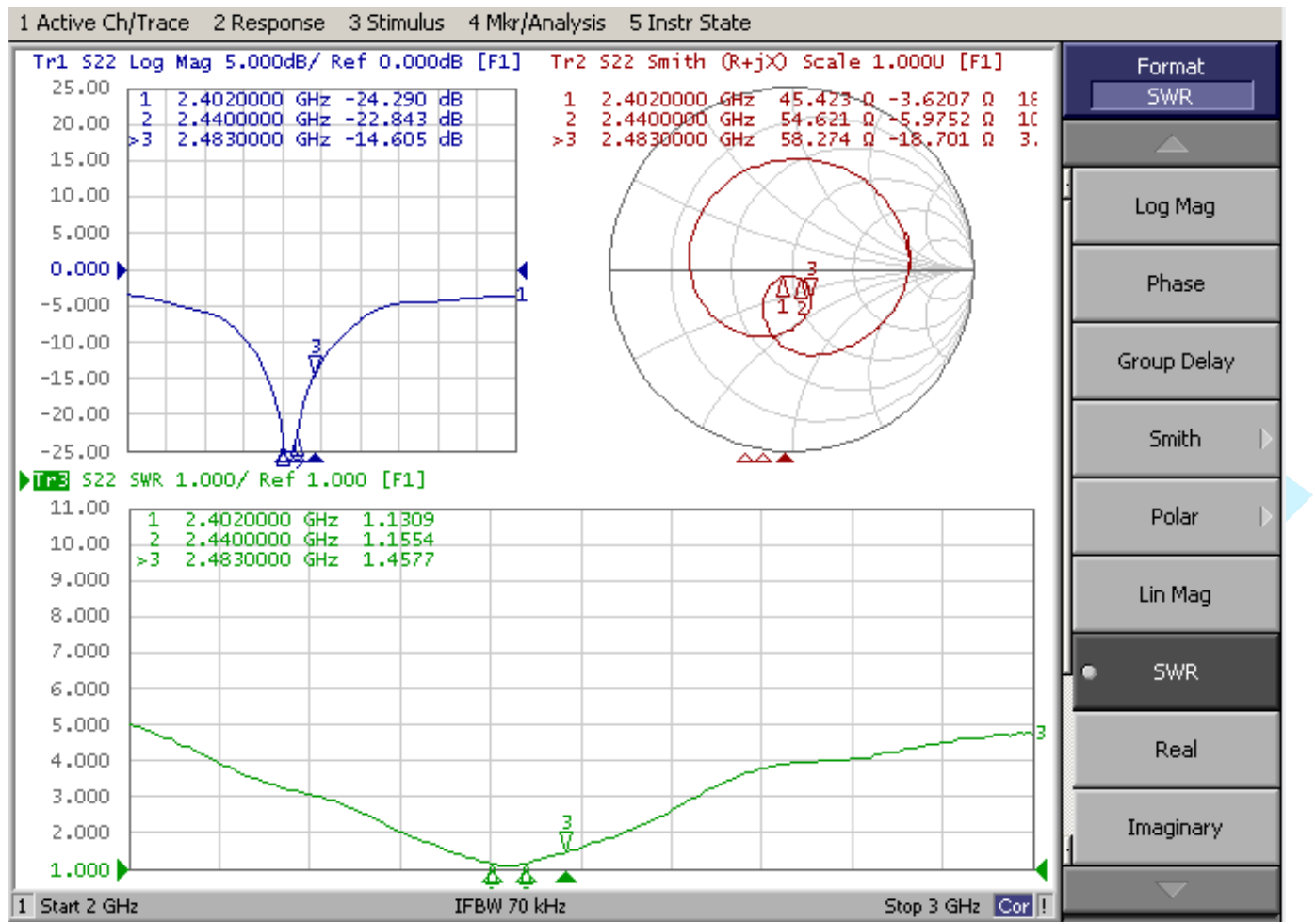
4.1 Antenna matching circuit





PIFA	
E1-(0201)	N/A
E2-(0201)	0欧姆
E3-(0201)	N/A

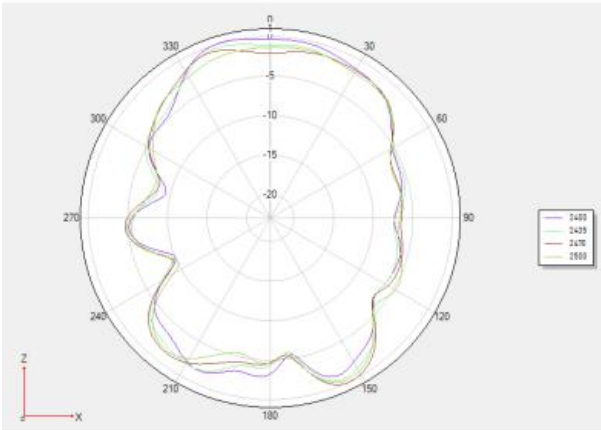
4.2 Passive Data (Return Loss)



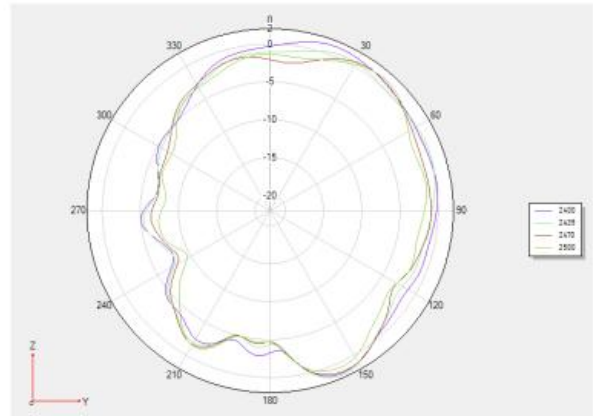
4.3 Antenna Efficiency

2.45		
Frequency/MHz	Antenna Gain/dBi	Efficiency/%
2400	-0.23	59.84
2410	-0.41	57.41
2430	-0.48	56.49
2450	-0.34	58.34
2460	-0.37	57.94
2470	-0.00	58.75
2480	-0.33	58.48
2490	-0.51	56.1

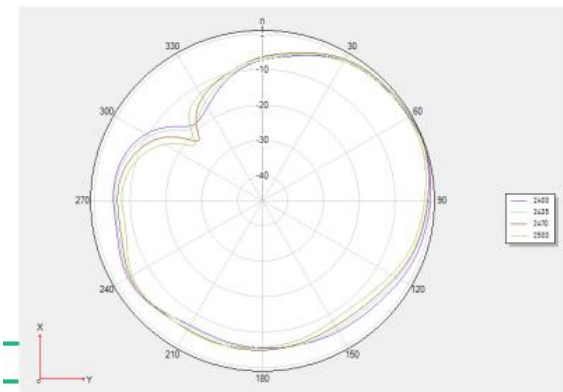
4.4 2D Direction diagram



Phi 0 2D图

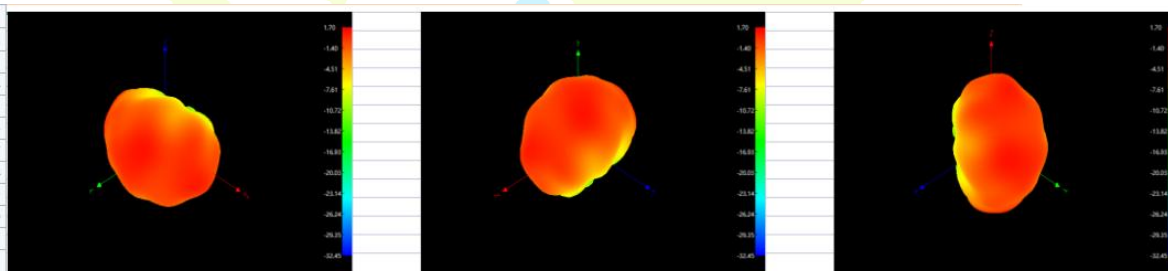


Phi 90 2D图

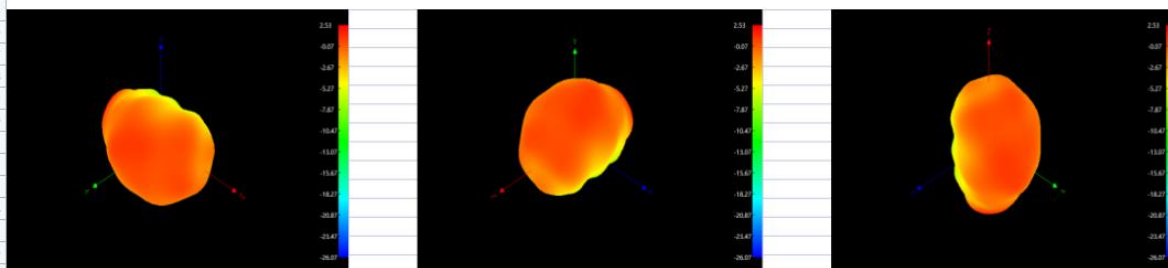


Theta 90 2D图

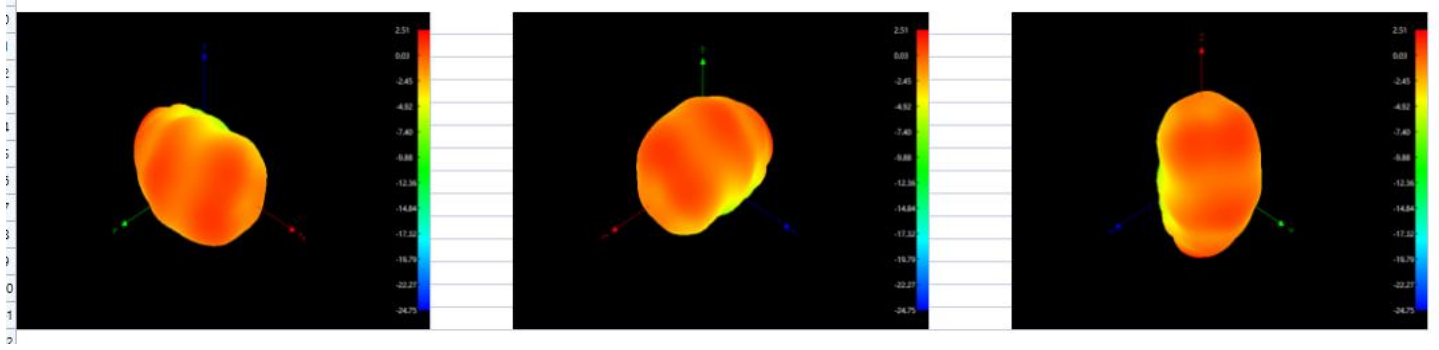
4.5 3D direction diagram



2400



2450MHz



2500MHz

4.6 Antenna position diagram



Structural dimensional drawing

