

Admit it

The product description:	The manufacturer: Welletronics Communication Technology Limited The name of the material: Bluetooth GPS metal middle frame RF antenna Material code: The version number: V1.0	Project type: GTX02 Specification/Color: Sign the sample date: 2023.07.24 note:
The attachment:	☒ Description of electrical and mechanical properties (Specification) ☒ Manufacturing flow chart ☒ QCEngineering drawing ☒ The sample ☒ CPK report ☒ Full size measurement report ☒ Reliability test report ☒ The packing way ☒ Raw material list report /RoHS report/HF/REACH	
Supplier sign and approve	artificial: _____ audit: _____ approval: _____	
The above shall be filled in by the supplier and the following shall be filled in by Aidu		
	department	Confirm the content Verify the results Confirm person/date
Technical confirmation column	Supplier quality	☐ RoHS material ☐ no RoHS material ☐ Meet REACH requirements ☐ Meet halogen-free requirements ☐ Other Environmental Requirements
	ID of Design Department	☐ The customer request ID ☐ Color confirmation ☐ Surface process confirmation ☐ Shell, hardware, key material
	Structural engineer	☐ Confirm the size of 2D drawing files ☐ Specifications and technical requirements ☐ Focus on size marking control ☐ Electrical performance parameter ☐ Adapter validation ☐ function ☐ Shell, hardware, key material ☐ The effect
	Hardware engineer	☐ Confirm the size of 2D drawing files ☐ Specifications and technical requirements ☐ Focus on size marking control ☐ Electrical performance parameter ☐ Adapter validation ☐ function ☐ Shell, hardware, key material ☐ The effect
	R&d quality	☐ Test standard confirmation ☐ appearance ☐ Standardization of dimension marking (key dimensions) ☐ Reliability verification ☐ Adapter validation ☐ function ☐ The effect
Final confirmation	Project Manager	☐ Acknowledge the completeness of the documents ☐ Standardization of dimension marking (key dimensions) ☐ Specifications and technical requirements ☐ appearance ☐ Electrical performance parameter ☐ function ☐ The effect
Admitted conditions:	☐ Official recognition ☐ Set limit to admit ☐ Refuse to admit	
Distribution department:	☐ IQC ☐ supplier ☐ The customer ☐ after-sales ☐ SQE/ Document control ☐ other _____	

Catalog

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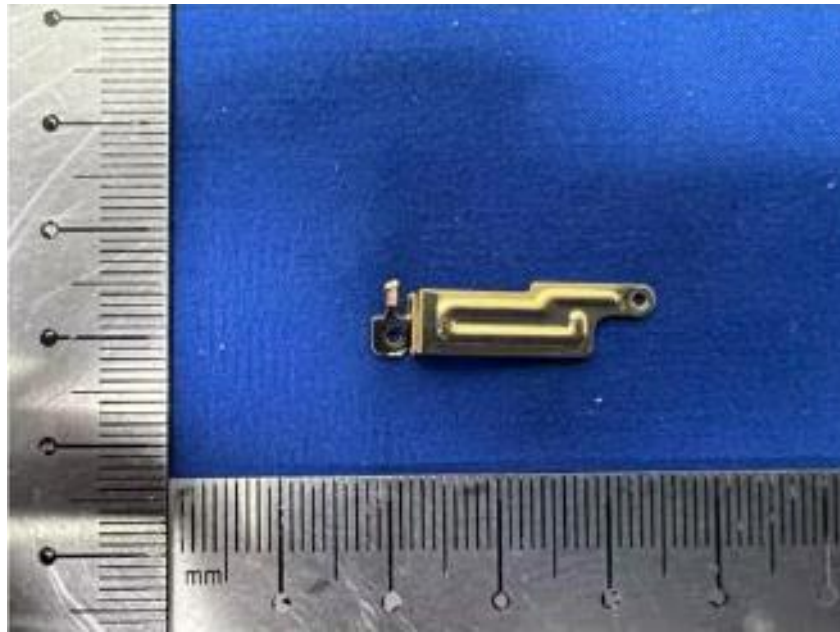
Three 、 Change history

Change of resume

Serial number	Date of change	entry name	Edition	Change content	Remarks

Four、 Electrical characteristics

1. Antenna Structure

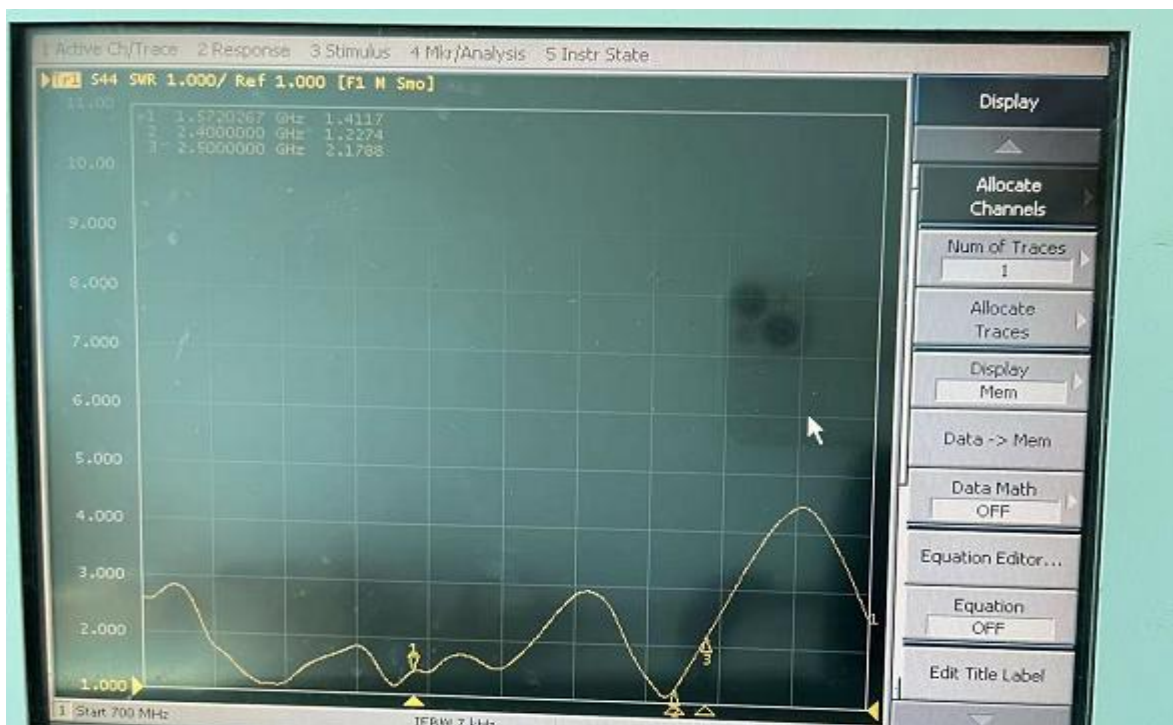


Size: 2.7*0.6cm

Figure antenna structure

2. Test Results

BT-Return Loss/VSWR

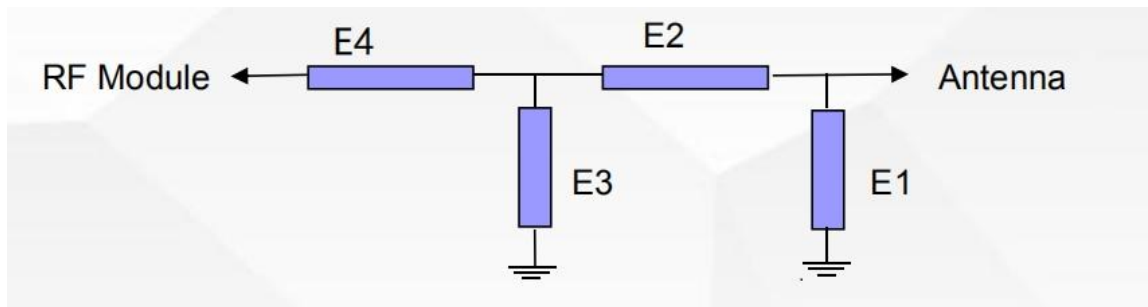


Test Repor No source by space test efficiency/pattern

free

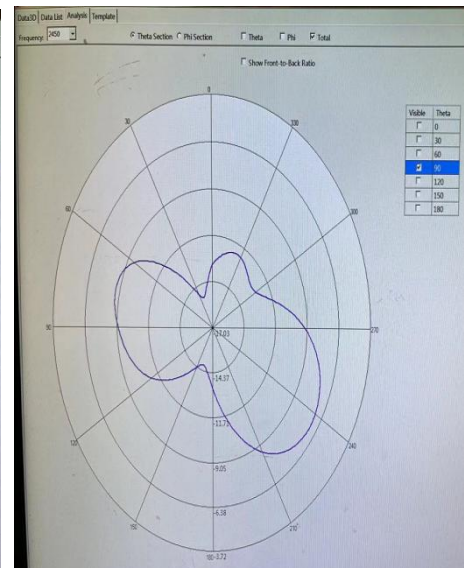
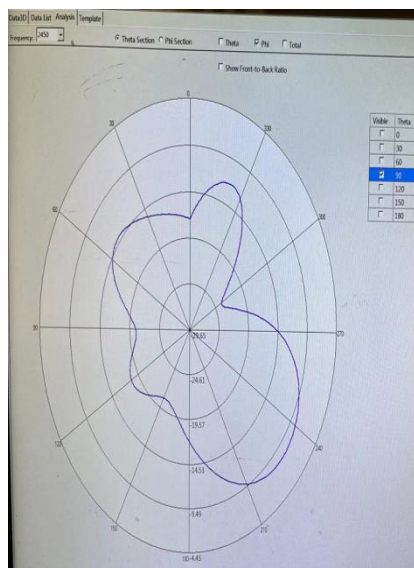
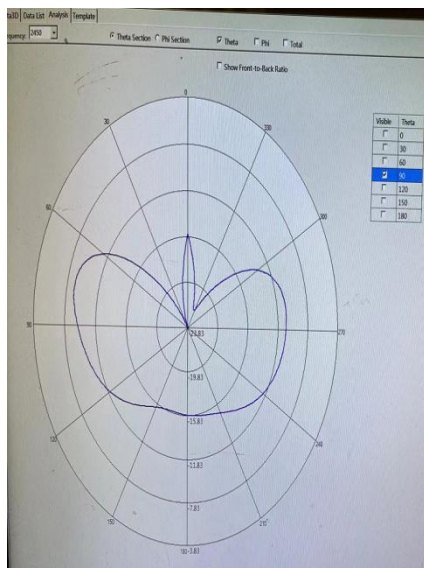
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	31.12	-5.07	1.58
2410	30.27	-5.19	1.34
2420	28.57	-5.44	1.03
2430	26.48	-5.77	0.58
2440	25.04	-6.01	0.22
2450	24.36	-6.13	-0.08
2460	22.85	-6.41	-0.54
2470	20.46	-6.89	-1.2
2480	19.03	-7.21	-1.62
2490	18	-7.45	-2.03
2500	17.43	-7.59	-2.24

Match

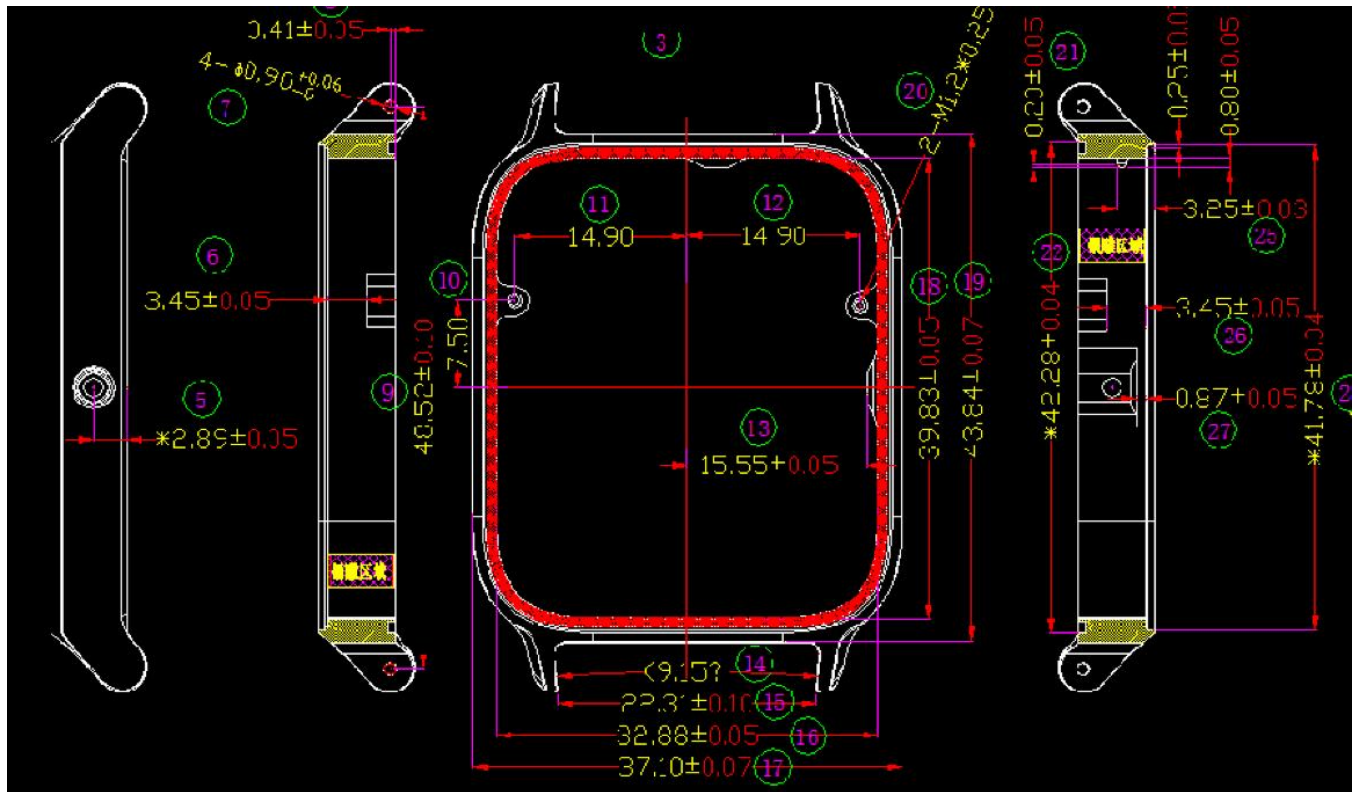


Antenna	Element	Value
	E1	
	E2	$0\ \Omega$
	E3	
	E4	$0\ \Omega$

3. The direction of figure
BT pattern



Five、 The 2D drawings



Antenna Dimension