

Admit it

The product description:	The manufacturer: Welletronics Communication Technology Limited The name of the material/Model: MP02 BT antenna Material code: The version number: V1.0	Project type: MP02 Specification/Color: Sign the sample date: 2023.01.17 note:		
The attachment:	☒ Description of electrical and mechanical properties (Specification) ☐ QCEngineering drawing ☐ The sample ☐ CPK report ☐ Manufacturing flow chart ☐ Reliability test report ☐ The packing way ☐ Raw material list report /RoHS report/HF/REACH ☐ Full size measurement report			
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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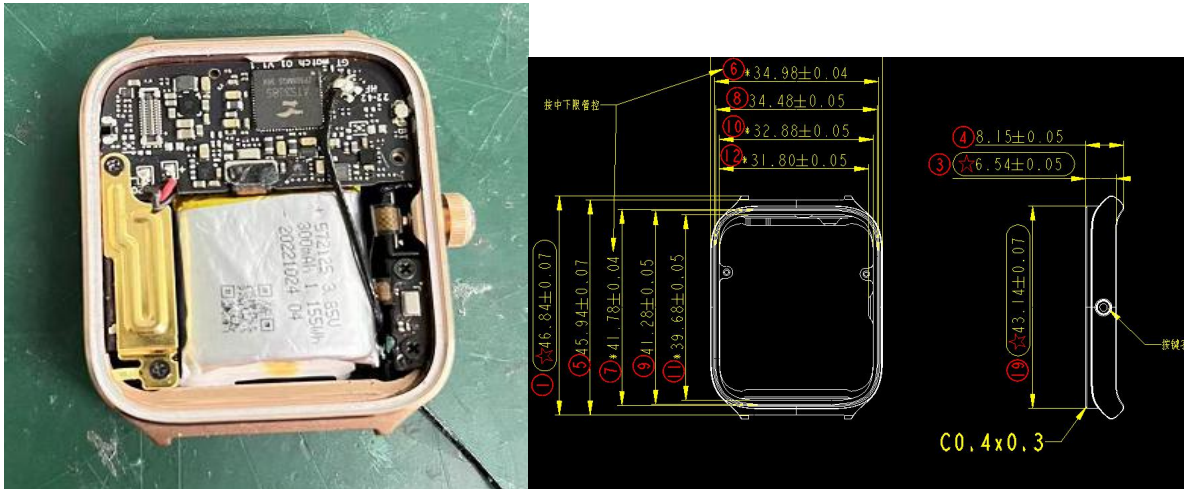
Three 、 Change history

Change of resume

Serial number	Date of change	entry name	Edition	Change content	Remarks

Four 、Electrical characteristics

1. Antenna Structur

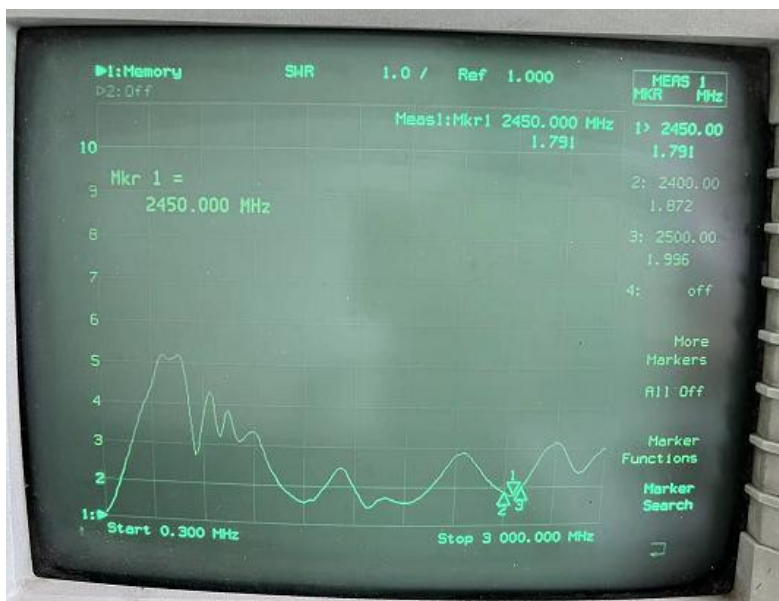


2. Test Results

BT-Return Loss/VSWR

Test Repor Passive free space test efficiency/matching/pattern

BT SWR



BT efficiency

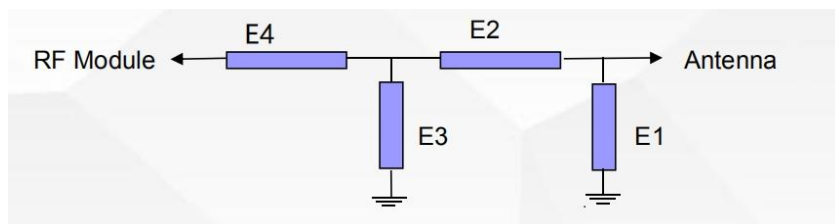
BT Free Space

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	28.17	-5.5	0.95
2410	28.9	-5.39	0.87
2420	30.15	-5.21	0.97
2430	30.25	-5.19	1.47
2440	30.06	-5.22	0.91
2450	29.03	-5.37	0.75
2460	28.76	-5.41	0.86
2470	28	-5.53	0.78
2480	27.73	-5.57	0.73
2490	27.23	-5.65	0.7
2500	26.58	-5.76	0.42

BT Arm

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	8.81	-10.55	-4.85
2410	9.2	-10.36	-4.8
2420	9.46	-10.24	-4.58
2430	9.71	-10.13	-4.56
2440	8.97	-10.47	-4.54
2450	8.37	-10.77	-4.65
2460	7.84	-11.06	-4.69
2470	7.32	-11.35	-4.63
2480	7.31	-11.36	-4.62
2490	7	-11.55	-4.75
2500	7.04	-11.52	-4.59

Match BT

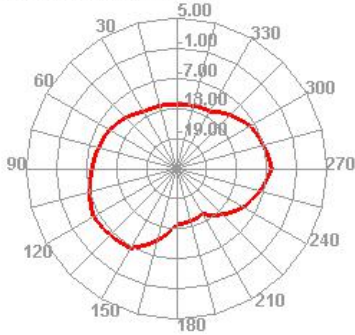


天线	Element	Value
	E1	0.5PF
	E2	
	E3	
	E4	

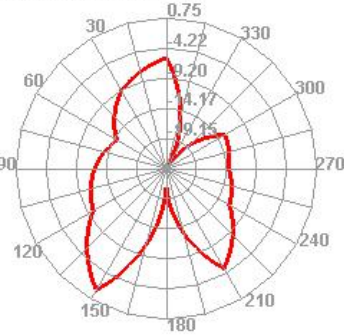
Directional pattern

Free space pattern

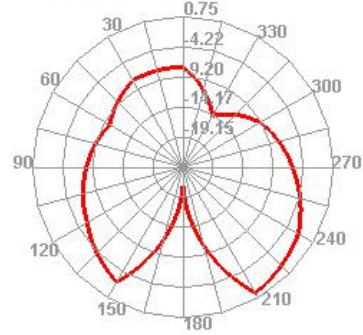
2450.000MHz H



2450.000MHz E1

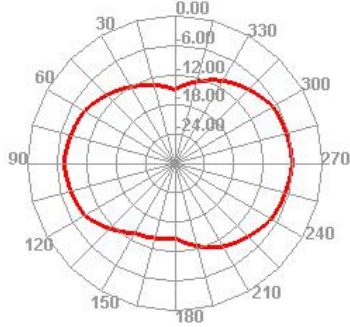


2450.000MHz E2

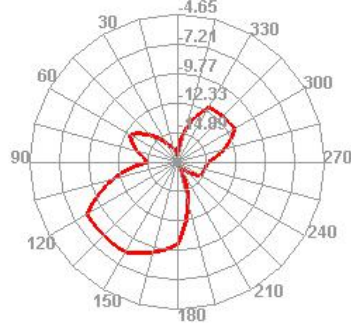


Add the arm

2450.000MHz H



2450.000MHz E1



2450.000MHz E2

