



深圳市海凌科电子有限公司

SHEN ZHEN Hi-Link ELECTRICAL CO, LTD

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

Customer: _____

Product Name: 2.4GHz Module onboard Antenna

Product code: HLK-TX-Module-B

Customer code: _____

Sample date: 2023-2-14

HLK Confirm:

Approval	Quality	Engineer	Signature
David	Henry	lisa	

Customer Confirm:

Approval	Quality	Engineer	Signature
Confirm result: ☐ PASS ☐ NG ☐ Others			



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SPECIFICATION ITEM

Item	Description
1.....	SPEC
2.....	SPEC ITEM
3.....	Engineer drawing
4.....	Performance



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RF Antenna Cable Assembly

Specification

1. Electrical Properties

- 1.1 Frequency Range.....2.4GHz-2.5GHz
- 1.2 Impedance.....50 Ω Nominal
- 1.3 VSWR.....1.92:1MAX
- 1.4 Return Loss.....-14dB Max
- 1.5 Gain(peak)1.0dBi
- 1.6 Cable loss.....0.02dBi Max
- 1.7 Polarization.....Linear Vertical
- 1.8 Conn.....N/A

2. Physical Properties:

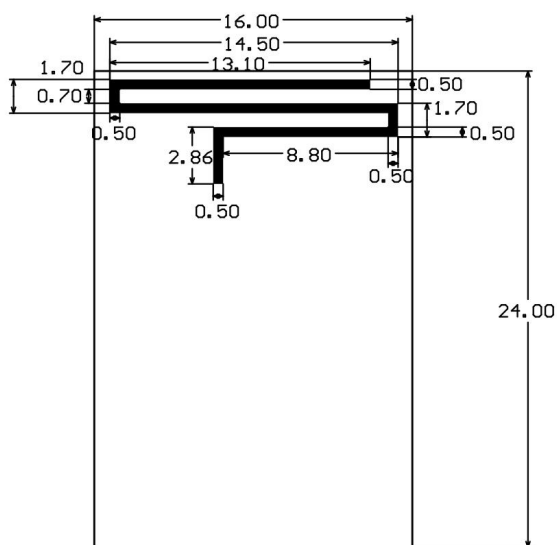
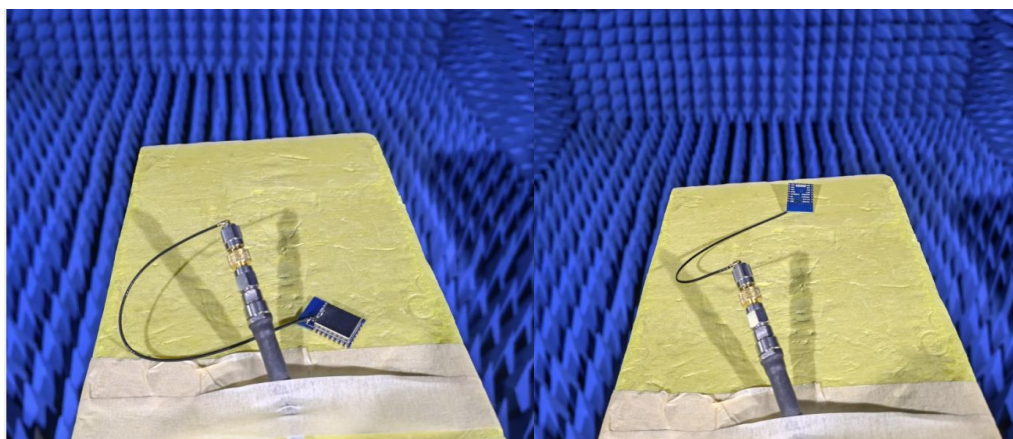
- 2.1 Antenna Material.....Cu
- 2.2 Operating Temp.....-20 $^{\circ}$ C- +65 $^{\circ}$ C
- 2.3 Storage Temp.....-30 $^{\circ}$ C- +75 $^{\circ}$ C



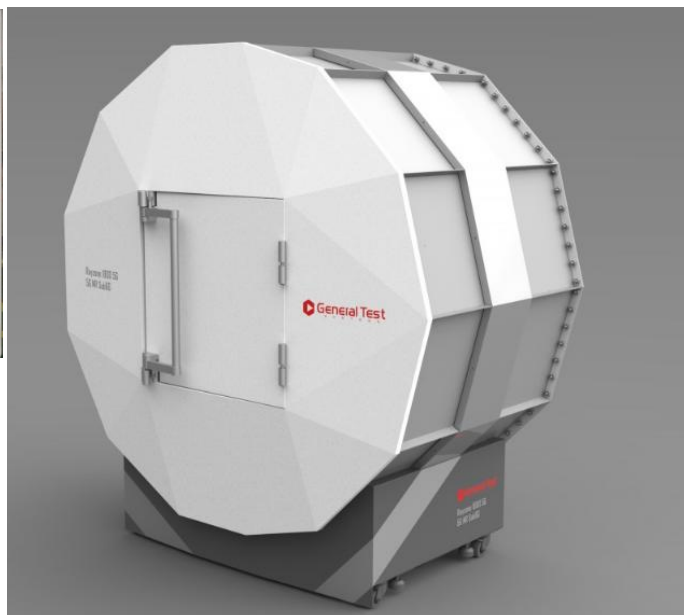
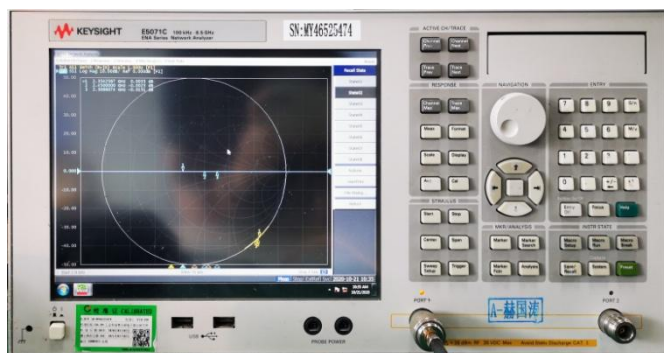
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Module onboard Antenna Test equipment
SPEC:2.4GHz



Module PCB 16*24mm Antenna dimension



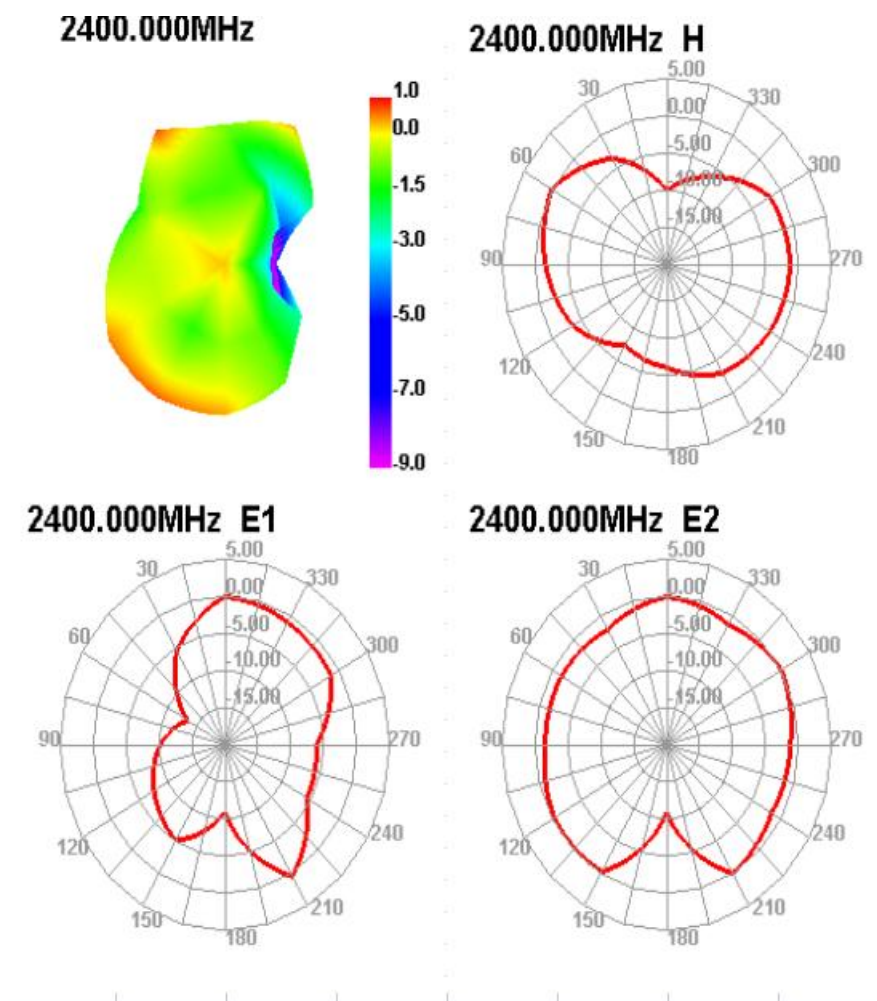
2.4Ghz Performance data:

Passive Test For 2.4G									
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)
2400	59.13	-2.28	1.00	-1.12	29.685	29.441	1.03	-13.55	3.31

Frequency:2.40GHz

Peak Gain:1.0dBi

Efficiency:15.34%





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~END~