

Development case number:

Y202102230013/2

Date: 2021.03.16

Edition: A0

Acknowledgment

Customer name: Guoguang

Debugging Project: Loostone

Customer part number::

Boantong Part Number: AG-041333-2206

Specification description: 2.4G Internal Antenna (FPC
34×25.9)-Black 1.13Line-Terminal, L=250mm

Factory signature:

Writer	Auditor	Approver
Huang Feihui	Ouyang Yingshan	Guan Ning

Boantong contact information

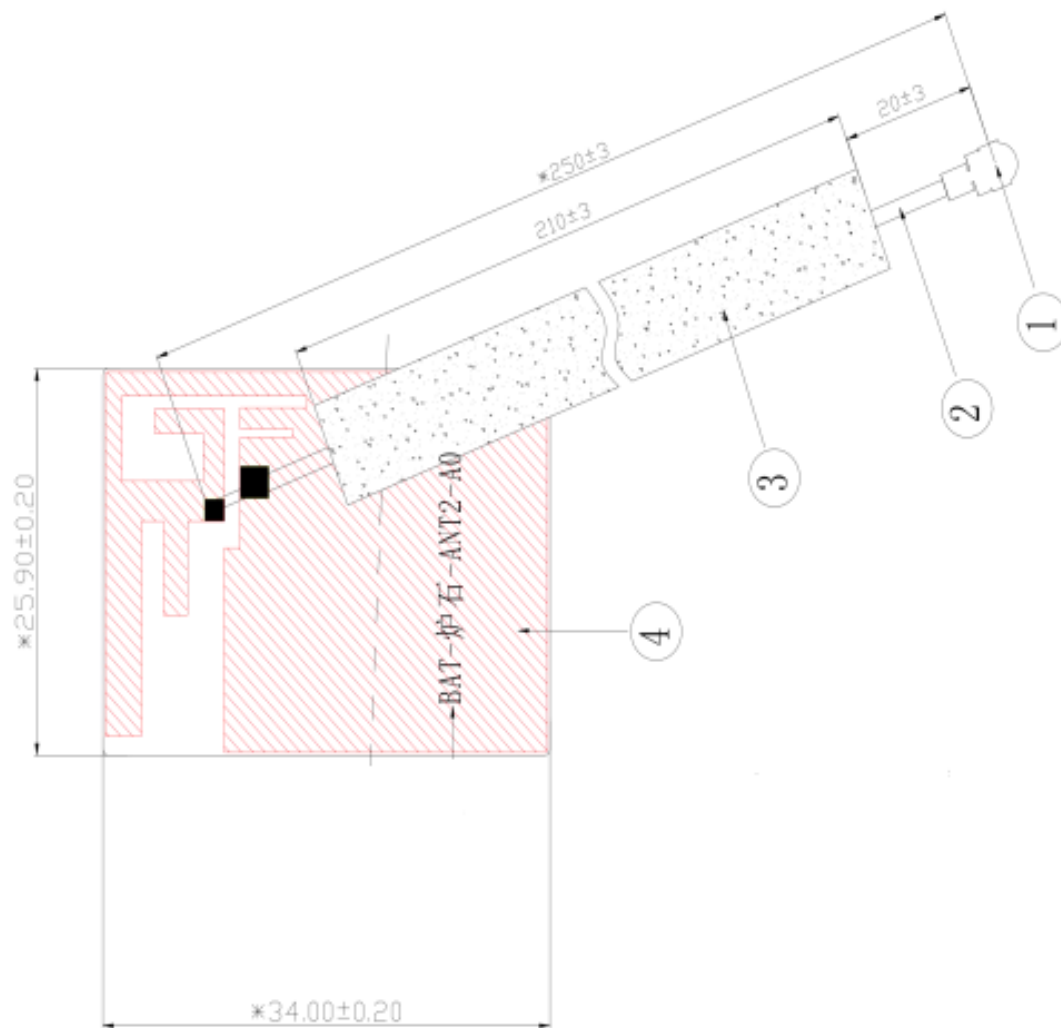
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Form Number: B&T-QR-EN-002 Version: B3

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3、Product drawing

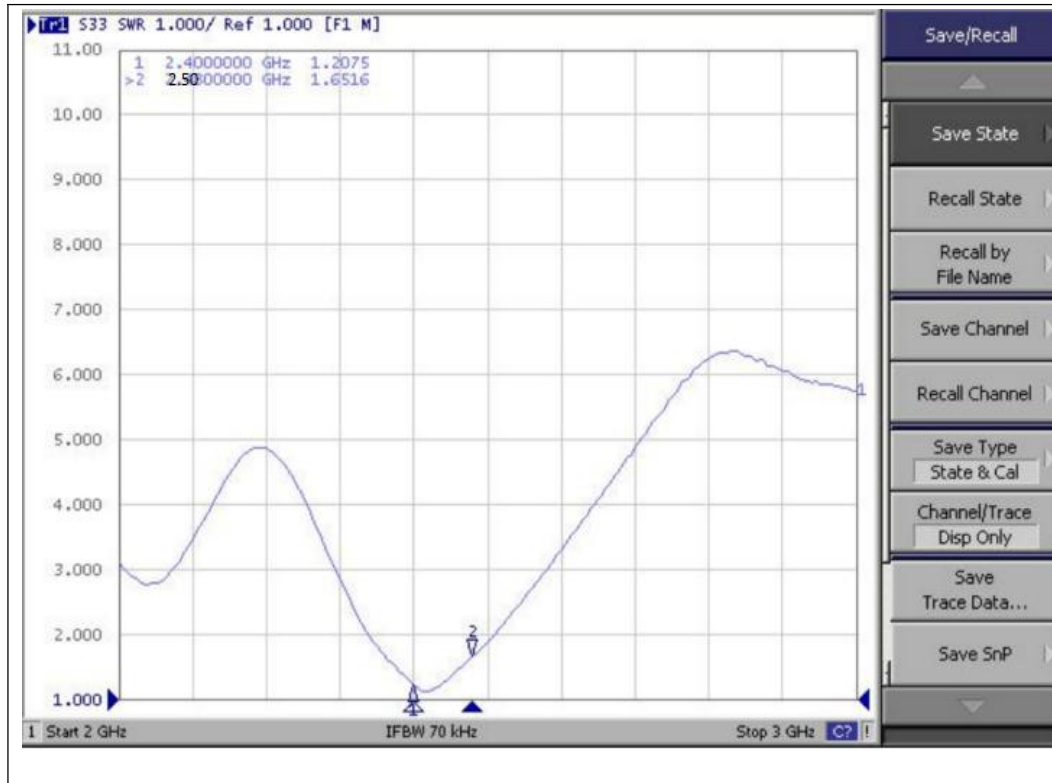


4、Performance parameters

Electrical parameters	
Frequency Range	2400MHz-2500MHz
Input resistance	50
Standing wave ratio	Control project seal
Power Capacity	<10w
Polarization mode	Linear polarization
Radiation direction	Omnidirectional
Connector model	Terminal
Mechanical parameters	
Line length	250±3mm
Terminal retention force	≥1KG
Coaxial cable	Black 1.13 line
Salt spray test	24H
Environmental parameters	
Operating temperature	-30℃~65℃

5、Electrical performance test report (complete machine)

S11 Parameter map



5.2 VSWR

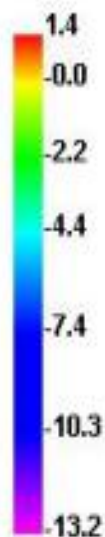
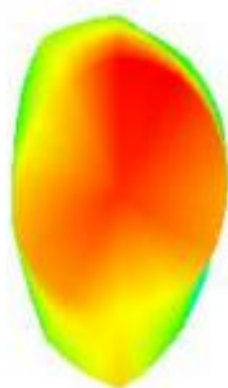
Freq/GHz	2.4	2.5
VSWR	1.20	1.65

5.3 Antenna Test Data

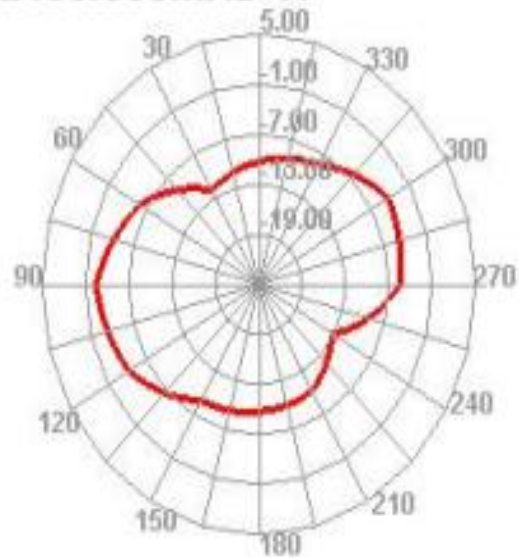
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	46.73	-3.1	1.65	-0.5
2405	46.74	-3.09	1.42	-0.73
2410	50.26	-2.78	1.63	-0.52
2415	51.57	-2.67	1.65	-0.5
2420	48.26	-2.95	1.24	-0.91
2425	50.46	-2.76	1.25	-0.9
2430	49.24	-2.87	1.08	-1.07
2435	49.08	-2.88	1.16	-0.99
2440	54.51	-2.42	1.52	-0.63
2445	55.49	-2.35	1.75	-0.4
2450	54.69	-2.41	1.65	-0.5
2455	56.31	-2.28	1.83	-0.32
2460	53.28	-2.52	1.58	-0.57
2465	49.45	-2.85	1.21	-0.94
2470	50.19	-2.78	1.41	-0.74
2475	46.75	-3.09	1.27	-0.88
2480	43.75	-3.38	1.33	-0.82
2485	44.87	-3.27	1.49	-0.66
2490	42.12	-3.55	1.37	-0.78
2495	40.87	-3.68	1.39	-0.76
2500	41.15	-3.65	1.47	-0.68

➤ Antenna pattern 2.45G

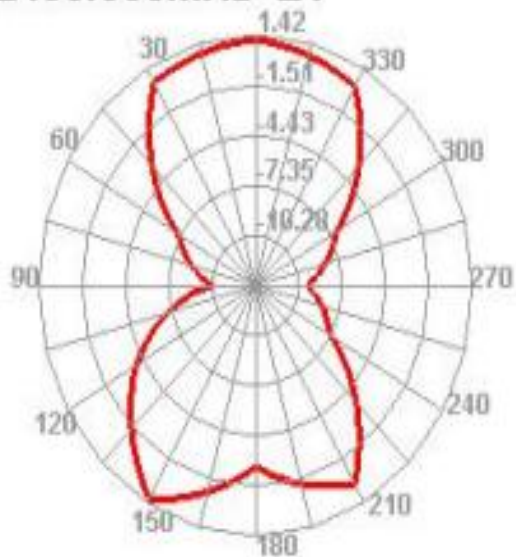
2450.000MHz



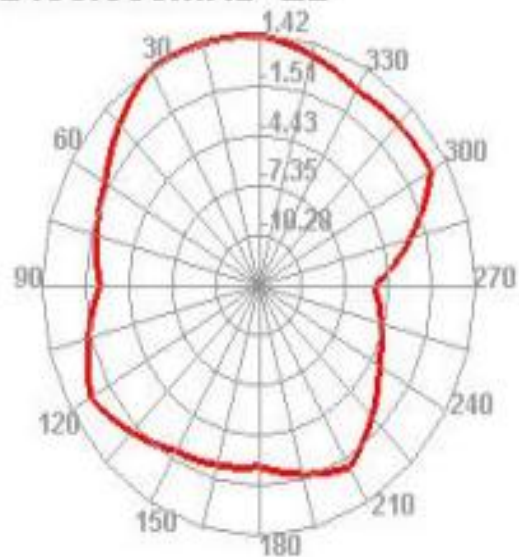
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



Product Packaging Specifications

PACKINGCRITERION

Part number: AG-041333-2206

Product specification: 2.4G built-in antenna (FPC 34×25.9)-black 1.13 wire-terminal, L=250mm

1. Label requirements (refer to the corresponding finished product label production requirements according to the customer's name, or follow the ordinary label requirements if there is no requirement)

The inner label is about 10cm long and 6cm wide

Demand side	*****		
Supplier	Zhongshan Boantong Communication Technology Co., Ltd.		
Material coding	*****		
Production order number	*****		
Product Name Specifications	*****	Inspector	**
Quantity/Unit	*****	Date	****.***
Traceability code	*****	Serial number	**

The outer label is about 10cm long and 6cm wide

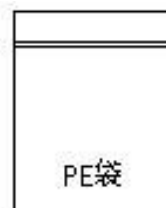
Demand side	*****		
Supplier	Zhongshan Boantong Communication Technology Co., Ltd.		
Material coding	*****		
Production order number	*****		
Product Name Specifications	*****	Inspector	**
Quantity/Unit	*****	Date	****.***
Traceability code	*****	Serial number	**

二、 Packing requirements Job description:

1. inner packaging:

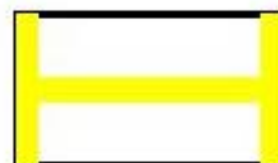
Product 50 PCS/sachet,

100 PCS/big bag

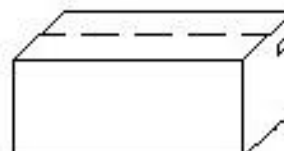


2 . Outer packaging:

Quantity/box according to actual packaging



纸箱



Precautions:

1. Whether to add partitions and pearl cotton;2.

Attachment of labels, such as ROHS, etc.;

9、Antenna pictures

