



中山市博安通通信技术有限公司

ZHONGSHAN B&T TECHNOLOGY Co.,Ltd

零件规格承认书

Approval Specification

正式 ☒ / 条件 ☐

类型: Type: 2.4 / 5.8G Internal antenna

范例 R3 代码: R3 Code: 850292352

范例图号: Part Number: TX-DM200BD113Y63M\$TX-DM200BD113B63M

发行日期 Issued Date: 2023.09.20

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Project :Y202104090061/2

Date. 2023.09.20

REV: A2

Antenna SPEC

Customer name: 广东长虹Customer project: 长虹电视系Part Number: 850292352B&T P/N: AG-041533-2215Spec.: 2.4 / 5.8G Internal antenna(shrapnel 30 × 11 × 5.2)-Black
line 1.13-terminal, see line length 185mm

Sealed by corporation:

compilation	ver if y	approval
Huangfe i hui	Tanhai	Guanning

Sealed by customer:

check	verify	approval

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3、Product drawing

REV.		Revise	Date
A0		22-02-18	
A1		23-9-20	Update ④ 3M RP45

The technical requirements

1: the antenna welding part is firm, and the cable size is accurate; (Cable maintenance force $\geq 1\text{kg}$).

2: "*" important dimensions;

3: Packaging and quality standards refer to BAT packaging specifications quality standards respectively;

4: Products must meet the requirements of ROHS;

5: The cup of terminal no orientation requirement.

Number	Part name	Material/technology	Note
①	Coaxial line	Double tin / FEP/Black	
②	shrapnel	SUS304 T=0.30mm	
③	Support foam tape	EVA	
④	Fixed foam tape	foam RP45	
⑤	sleeve	Heat shrinkable sleeve	
⑥	generation 1 RF terminal	Phosphor bronze (gold-plated)	gold-plated (thickness 10 μ)

Tanhalin	Designer	Verify	Approval
	1 > X	1 ~ 9.99	10 ~ 19.99
		20 ~ 39.99	40 ~

Weight	Quantity	Scale	Unit
	1 : 1	mm	

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ZHONGSHAN B&T TECHNOLOGY HOLDINGS Co., Ltd

4、Properties & parameter

Electrical Parameter		
Freq Range		2400~2500MHz/5150-5850MHz
Characteristic Impedance		50 Ω
VSWR		sample of reference project
Max gain	2.4G	2.18dBi
	5.8G	4.33dBi
The Max input power		<10w
Polarization mode		Polar linearization
Radiation mode		Omni directional
Antenna Type		PIFA
Connector style		IPEX terminal
Mechanics Properties		
Length		See line length $185 \pm 3\text{mm}$ /Bus line length $200 \pm 3\text{mm}$
Maintain the force		$\geq 1\text{Kgf}$
Coaxial cable		Black 1.13 double tin wire
Salt spray test		24H
Environment parameter		
Operating Temp		$-30^{\circ}\text{C} \sim 65^{\circ}\text{C}$

5、Electrical test report

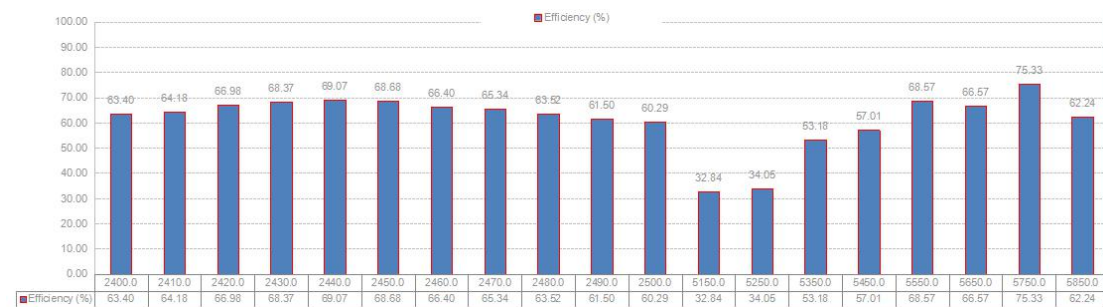
S11 Parameter



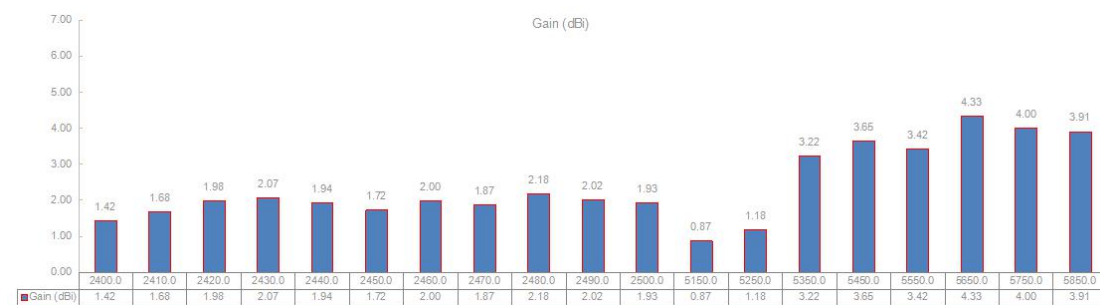
Electrical Performance Test Parameter Table

Freq/MHz	2400	2450	2500	5150	5500	5850
VSWR	1.2	1.2	1.9	2.9	2.1	1.3

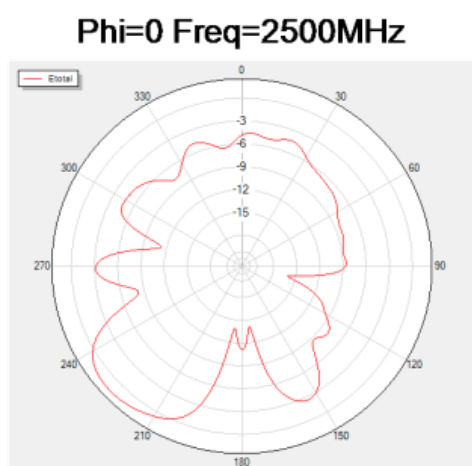
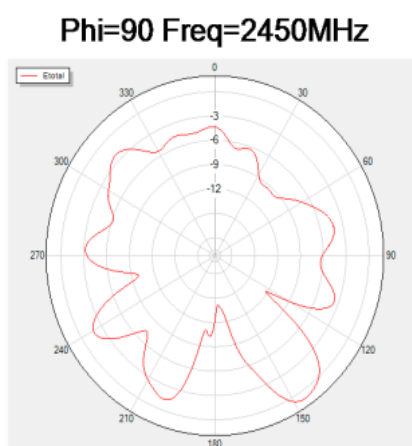
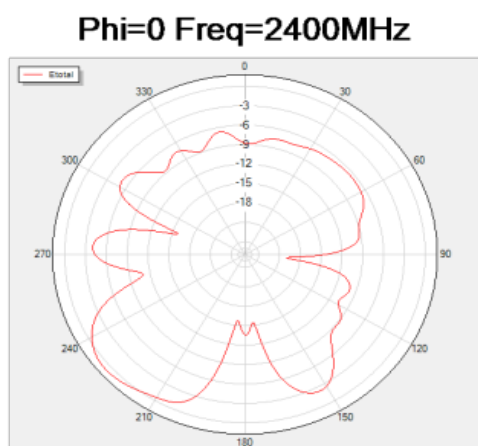
Efficiency



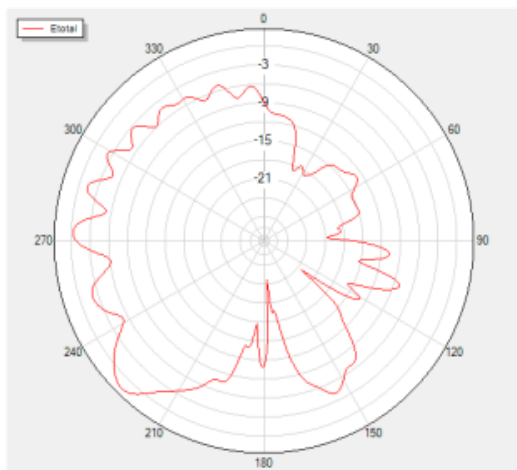
Gain



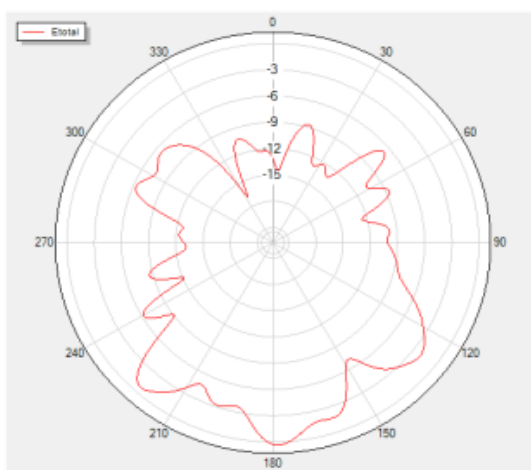
Radiation pattern



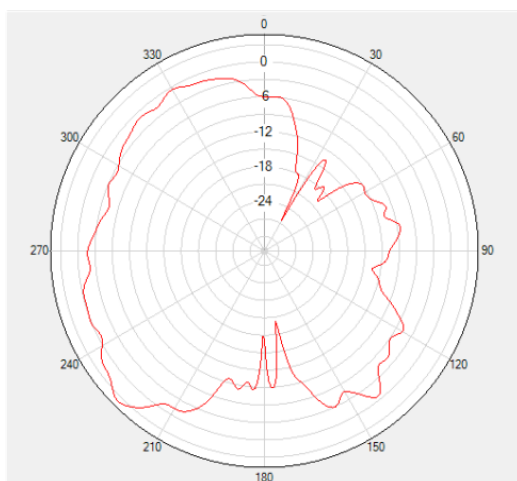
Phi=0 Freq=5140MHz



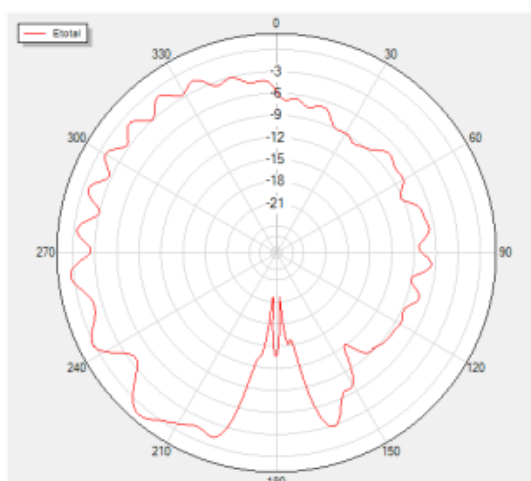
Theta=90 Freq=5350MHz



Phi=90 Freq=5650MHz



Phi=0 Freq=5850MHz



PACKING CRITERION

P/N: AG-041533-2214

Spec.: 2.4 / 5.8G Internal antenna(shrapnel 30 × 11 × 5.2)-Black line 1.13-terminal, see line length 185mm

一、contents of label (according to the customer's name, refer to the corresponding finished product label production requirements. If there is no requirement, it will follow the ordinary label requirements.)

Label for PE bag/ carton, L:10cm;W:6cm

buyer	*****		
vender	ZHONGSHAN B&T TECHNOLOGY Co., Ltd		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
Q'ty/Unit	*****	Manufacture date	****.*.*
Trace code	*****	Running water number	*****

Label for PE bag/ carton, L:10cm;W:6cm

buyer	*****		
vender	ZHONGSHAN B&T TECHNOLOGY Co., Ltd		
Purchase No	*****		
Material No.	*****		
Part name	*****	QC	**
Q'ty/Unit	*****	Manufacture date	****.*.*
Trace code	*****	Running water number	*****

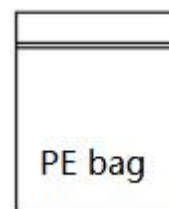
二、Packing requirement

Operating description:

1. inner packing:

20 PCS/ small bag,

100 PCS/ big bag



2. outer packing:

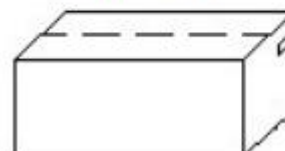
2000PCS /carton



包装承认书多项物料20220629.doc



Carton



Notice: