

Acknowledgement

Supplier name: Shenzhen Zhongtianxun Communication Technology Co., Ltd

Supplier material name: PB801

Supplier specification and model: Dual-frequency copper tube antenna

The CVTE item code: 004.032.0052861

Admit the book edition: A1

Drawing version number (no filling in if no drawings):

Supplier acknowledgement column		
lay down	Auditing	Ratify
Le. Qin	Feng. Zhao	Guohua. Zou

Address: No. 6, Liankun Road, Huangpu District,
Guangzhou

Tel: 020-86154388

Fax:

Address: No. 34, Shilong Avenue, Shilong Zai, Baoan
District, Shenzhen City (Tengda Industrial Park)

Tel: 0755-27588320

Fax: 0755-27588045

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规格承认书

SPECIFICATIONFORAPPROVAL

客 户 Customer	CVTE
项目名称 Project Name	PB801
客户料号 Customer NO.	004.032.0052861
规 格 specification	Dual-frequency copper tube antenna
供方料号 Supplier NO.	1.22.00675
规格书编号 specification NO.	
编写人 Write by	Le.Qin
版本 REV.	A1
日期 Date	2024/2/3
备注 Note	

客户确认 CUSTOMERAPPROVEDBY		
批准 Approved by	审核 checked by	制表 prepared by
供方确认 SUPPLIERAPPROVEDBY		
批准 Approved by	审核 checked by	制表 prepared by
Guohua.Zou	Feng.Zhao	Le.Qin



ANTENNA SPECIFICATION

CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024

Rev: R:A1

ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Page 1 of 9

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CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024
ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Rev: R:A1
Page 2 of 9

1. 承认书项目表 (Index)

Order	Content	Page
-	Acknowledge the cover	-
-	Version change record	1
1	Index	2
2	Test Equipment & Conditions	3~6
3	Antenna physical picture	/
4	S11	8
5	2D drawings	9
6	Package	/
7	FAI	/
8	Reliability Report	/
9	Raw Material Detection List	/

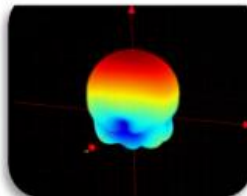
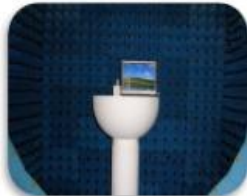
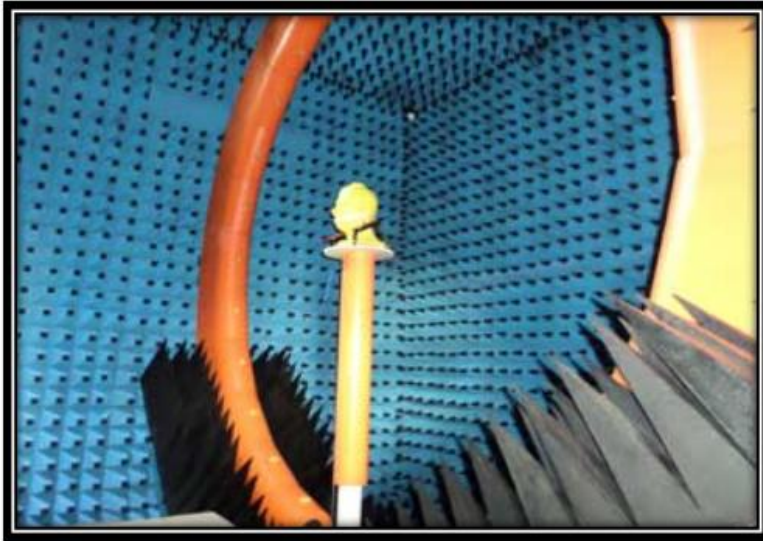


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CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024
ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Rev: R:A1
Page 3 of 9

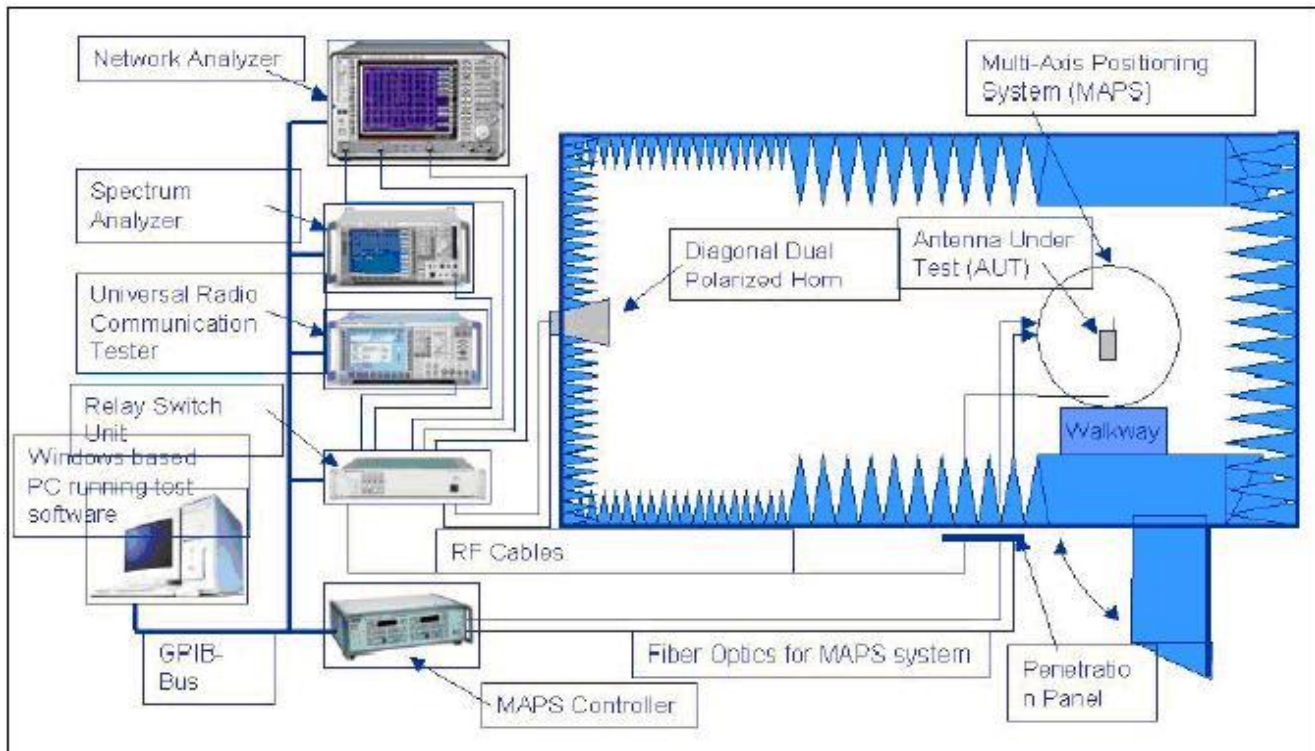
2. Test Equipment & Conditions



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CITA standards.

Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-
SCDMA/LTE/WIFI/WLAN/WiMax/BT
/GPS/MIMO/UWB within 0.4-6G.



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CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024
ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Rev: R:A1
Page 4 of 9

2-1 Passive Test

Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dB
2.4E+09	74%	-1.33544	2.4E+09	2.280765
2.41E+09	70%	-1.5242	2.41E+09	2.09442
2.42E+09	71%	-1.49819	2.42E+09	2.094438
2.43E+09	74%	-1.33361	2.43E+09	2.112702
2.44E+09	71%	-1.47889	2.44E+09	1.944544
2.45E+09	67%	-1.72315	2.45E+09	1.75844
2.46E+09	66%	-1.82114	2.46E+09	1.527658
2.47E+09	69%	-1.62055	2.47E+09	1.686743
2.48E+09	65%	-1.84232	2.48E+09	1.347297
2.49E+09	64%	-1.95772	2.49E+09	1.254617
2.5E+09	65%	-1.85995	2.5E+09	1.434828
5.15E+09	46%	-3.36925	5.15E+09	2.147588
5.2E+09	47%	-3.31158	5.2E+09	2.393735
5.25E+09	44%	-3.57468	5.25E+09	2.170065
5.3E+09	39%	-4.04476	5.3E+09	1.870486
5.35E+09	38%	-4.23128	5.35E+09	1.862758
5.4E+09	36%	-4.43213	5.4E+09	1.748502
5.45E+09	43%	-3.67451	5.45E+09	2.412479
5.5E+09	48%	-3.17965	5.5E+09	2.961762
5.55E+09	50%	-3.04196	5.55E+09	2.908628
5.6E+09	45%	-3.4855	5.6E+09	2.422718
5.65E+09	42%	-3.78545	5.65E+09	1.922276
5.7E+09	41%	-3.86744	5.7E+09	1.43567
5.75E+09	45%	-3.44207	5.75E+09	2.072625
5.8E+09	47%	-3.32476	5.8E+09	2.186607
5.85E+09	50%	-2.98786	5.85E+09	3.005179

2-2 Antenna type

Antenna Information	Antenna Type	monopole antenna
	Antenna Peak Gain(dBi)	WiFi 2.4G: 2.28dBi WiFi 5G: 3.0dBi

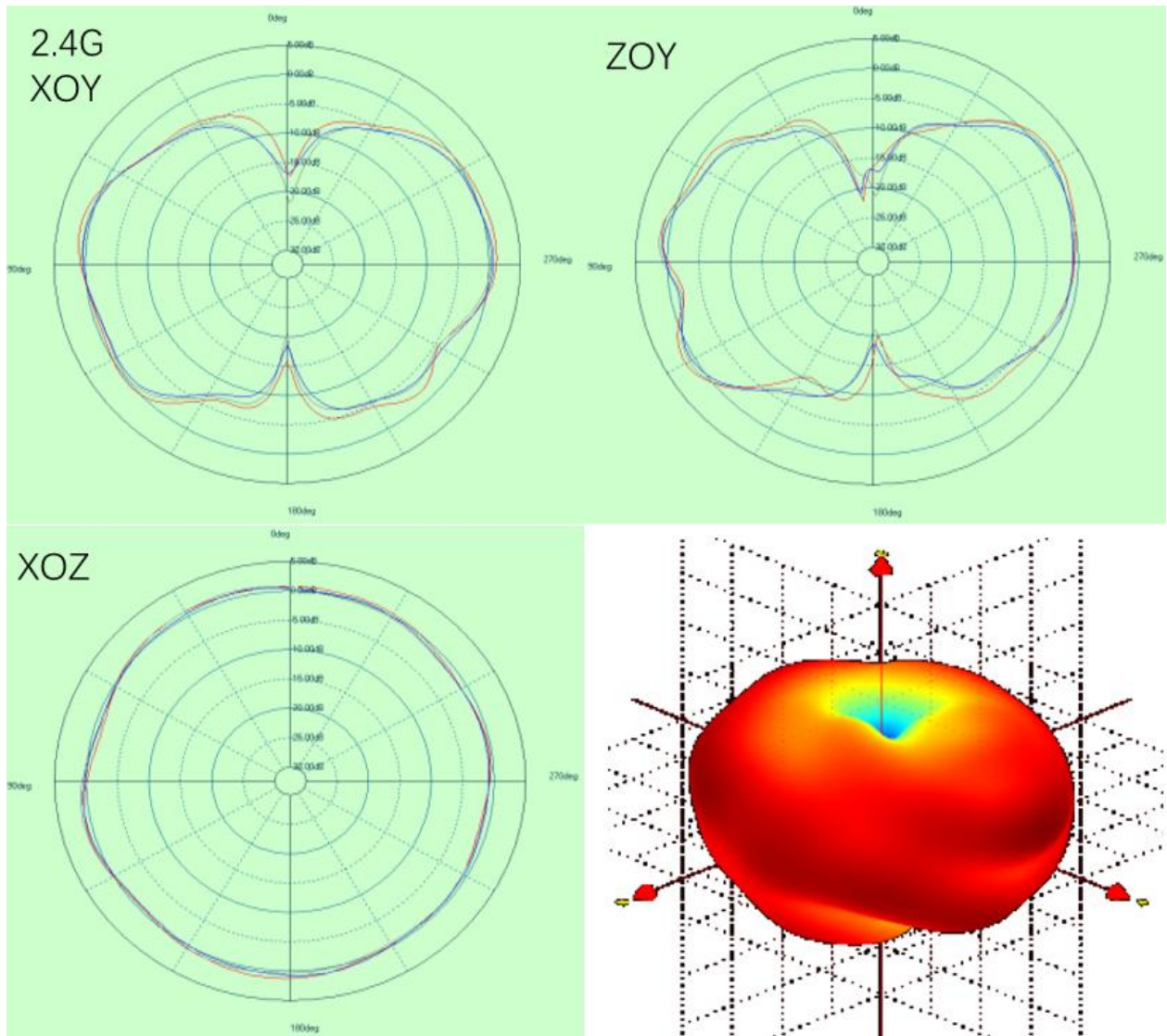


ANTENNA SPECIFICATION

CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024
ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Rev: R:A1
Page 5 of 9

2-3 2D/3D Radiation Pattern Results



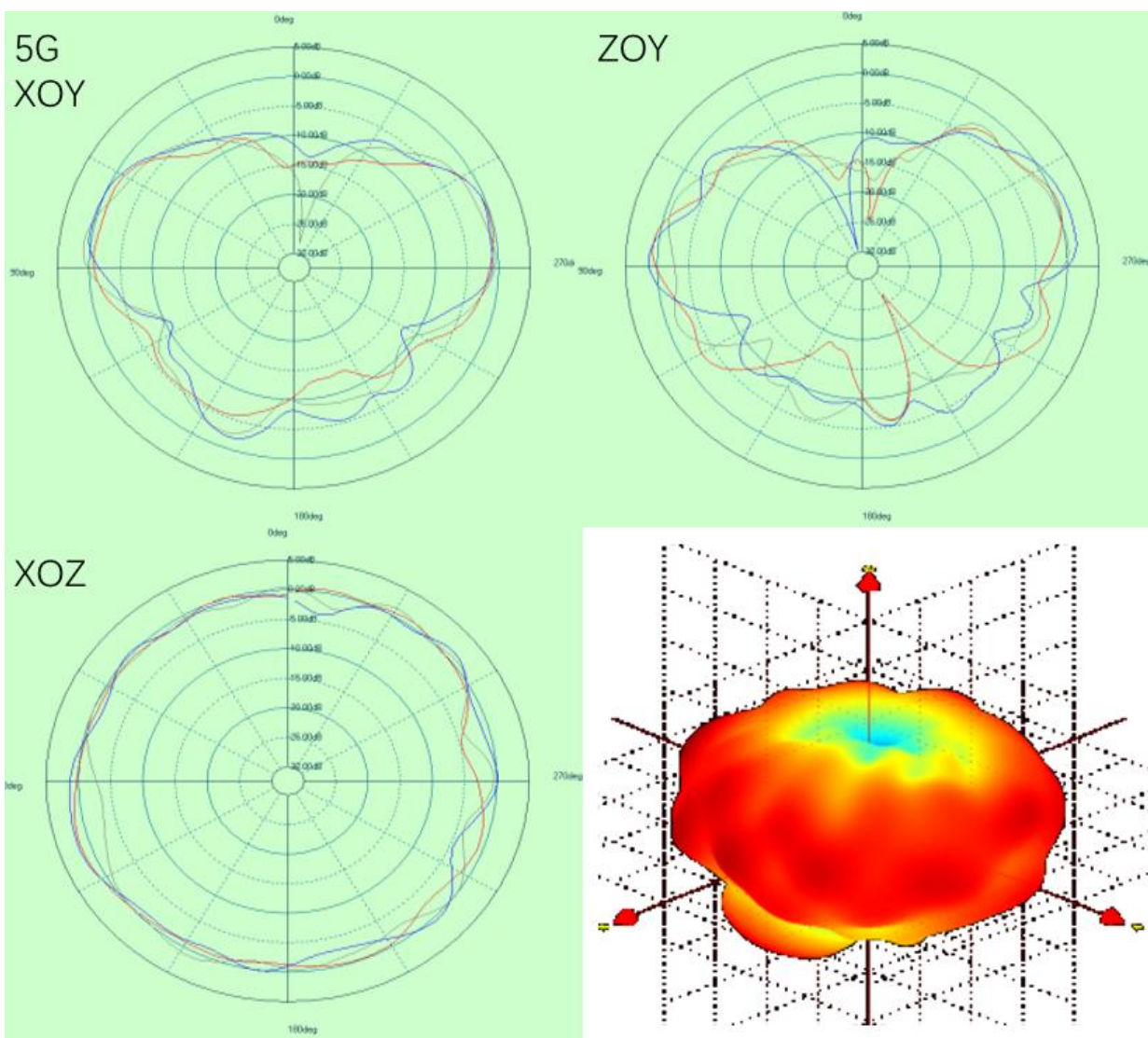
ANTENNA SPECIFICATION

CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024

Rev: R:A1

ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Page 6 of 9

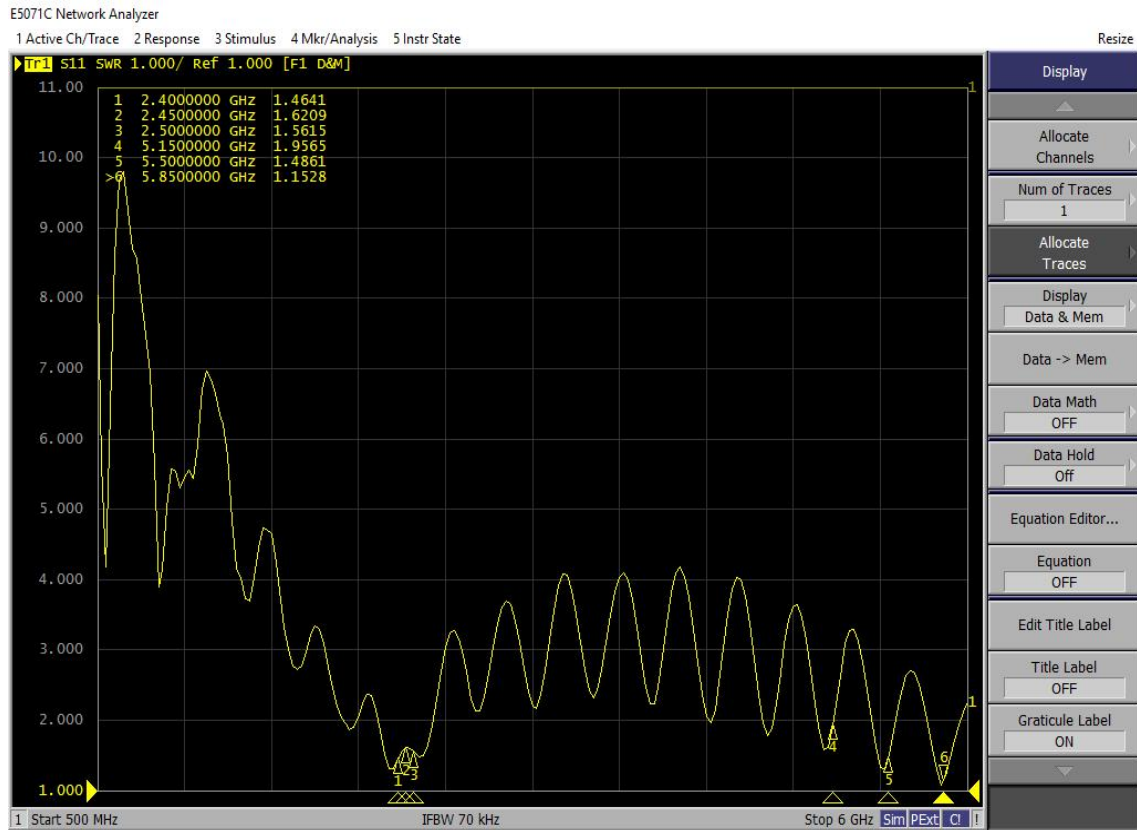


ANTENNA SPECIFICATION

CUS P/N :PB801_Dual-frequency copper tube antenna Application Date:Feb,03,2024
ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Rev: R:A1
Page 7 of 9

4.S11



Rev: R:A1
Page 8 of 9

Drawing number : ZTX-QR-RD-013

Serial number	Material name	Material description	Dosage	Remarks
A	First-generation terminal	Phosphor bronze/gold-plated surface	IPCS	/
B	Coaxial line	Double tin /FEP/ black	IPCS	/
C	Copper tube ₁	Brass (ø4. 4*24 mm)	IPCS	Nickel plating
D	Copper tube ₂	Brass (ø4. 4*24 mm)	IPCS	Nickel plating
E	Heat shrink tubing	EVA/ Black (ø4. 0*64 mm)	IPCS	/

Component material and process description

General	Tolerance	Date	Unit	Rev	Scale	Project Code
Grade	A B	日期:	单位: mm	版本: A1	比例: 1:1	项目代码: ztx4235
Din	5~10 ±0.10 ±0.20	设计: Qin Le	材料:			
	10~20 ±0.15 ±0.30	检查: Feng Zhao	工艺:			PB801
	20~40 ±0.20 ±0.40	批准:	第三角			Dual-frequency copper upe antenna assembly
	40≥ ±0.25 ±0.50	批准:Guohua.Zou				物料编码: 1. 22. 00675

Note

The dimensions marked with an asterisk (*) should be strictly controlled.

2. All components must be assembled firmly, and the tensile force at each joint should be between 9.8N and 25N.

3> The mating insertion and extraction force between the wire end and the board end: initial 5N or more;

4. There must be no short circuit during assembly and joining, and the finished product should be tested with a network analyzer.

5. When packaging, the products should be placed neatly in PE bags. During transportation, the products must not be squeezed and the lines should be protected

It should be straight and smooth, without any obvious distortion or deformation.

6. The materials used must comply with ROHS2. 0/REACH requirements;

7. Materials cannot be changed at will without confirmation from ZTX Company.

1

*400.00±10.00

2

24.00±0.20

3

24.00±0.20

4

bblack*350.00±4.00

5

ø4.40±0.15

6

ø4.40±0.15

7

ø1.13±0.04

A

B

C

D

E

Pay attention to the terminals Steel seal *TPX

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ZTX P/N :PB801_Dual-frequency copper tube antenna Editor:

Rev: R:A1
Page 9 of 9

禁用物质保证 (Certification of Restricted substance)

我方保证所提供的物料，完全遵守签核的广州视源电子科技有限公司/或其子公司的质量和环保协议中的各项条款，物料中禁用物含量，符合最新版《有害物质管理规范》中的各项标准。

we hereby certify that all the Material fully conform to the requirements of the ShiYuan/or its affiliated companies Declaration of conformity that had been signed, and the maximum concentration value of restricted substance in Materials comply with the latest 《Regulations on the management of hazardous substances》.

