

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A1)

	CUSTOMER(客户名称)	Topcon Positioning Systems, Inc.	
	CS P/N(客户机种)	VT-7	
	PART NAME(品名)	WIFI 天线组件	
	FREQUENCY(频率)	2.4G~2.5G+5.15~5.85G	
	ZTX NO.(物料编号)	2.00003633	
	DATE(日期)	2019-05-07	

CUSTOMER			
QA CHECKED	ME CHECKED	RF CHECKED	MANAGER CHECKED

Remark(备注):

Sign(客户确认签字盖章): _____

ZHONG TIAN XUN TECHNOLOGY CO., LTD				
MANAGER CHECKED	MANAGER CHECKED	ME CHECKED	RF CHECKED	LISTER
		刘黎平	韦进	



深圳市中天迅通信技术股份有限公司

SHENZHEN ZHONGTIAN XUN Communication Technology Co., Ltd.

地址: 深圳市宝安区石岩镇石龙大道 34 号(腾达工业园) 邮编: 518000

Add: No. 34 Shilong Avenue, Shiyan Town, Baoan District, Shenzhen (Tengda Industrial Park) Zip code: 518000

电话: 0755-27588320 传真: 0755-27588045 <http://www.chinaztx.com>

ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019

Rev: R:A1

ZTX P/N :VT-7 WIFI 天线组件

Editor:

Page 1 of 8

Revision history

版本	日期	状态
A1	2019-05-07	首版



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019

Rev: R:A1

ZTX P/N :VT-7 WIFI 天线组件

Editor:

Page 2 of 8

Index

		Revision history	1
		Index	2
1		Mechanical Specification	3
	1-1	Mechanical Specification (WIFI 天线)	3
2		Test equipment	4
3		Antenna test data	5
	3-1	No-source test data	5
	3-2	3D radiation drawing	6
4		Environment Characteristic	7
5		The packing way	8



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件

ZTX P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019

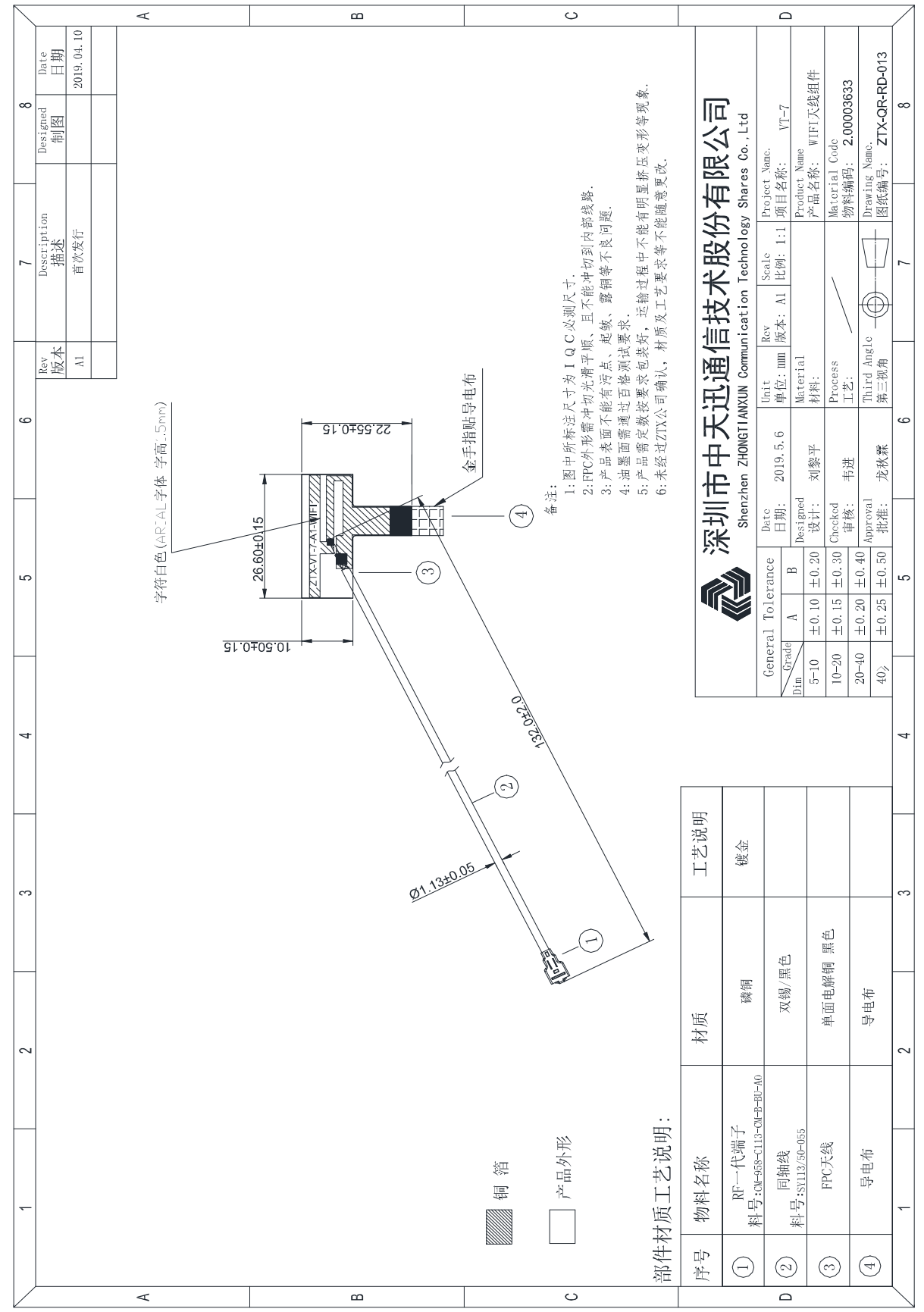
Editor:

Rev: R:A1

Page 3 of 8

1. Mechanical Specification

1-1 Mechanical Configuration (WIFI 天线)



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件

ZTX P/N :VT-7 WIFI 天线组件

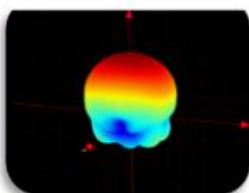
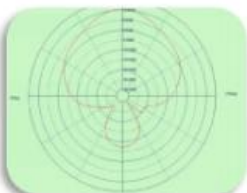
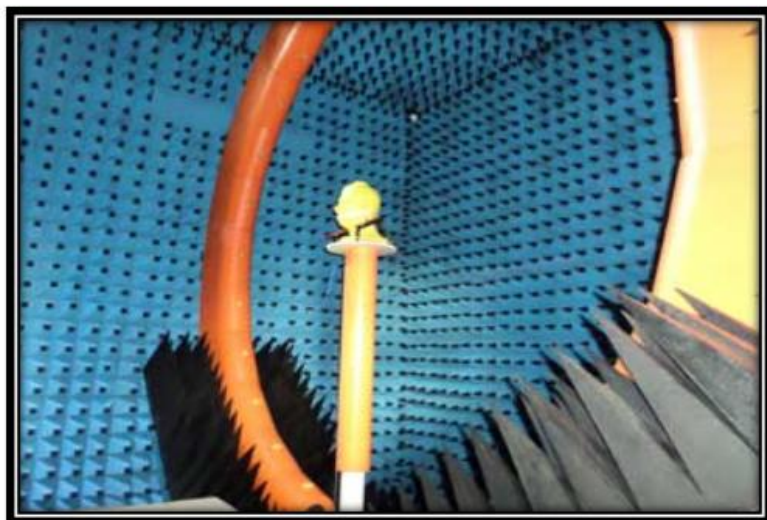
ApplicationDate:May,07,2019

Editor:

Rev: R:A1

Page 4 of 8

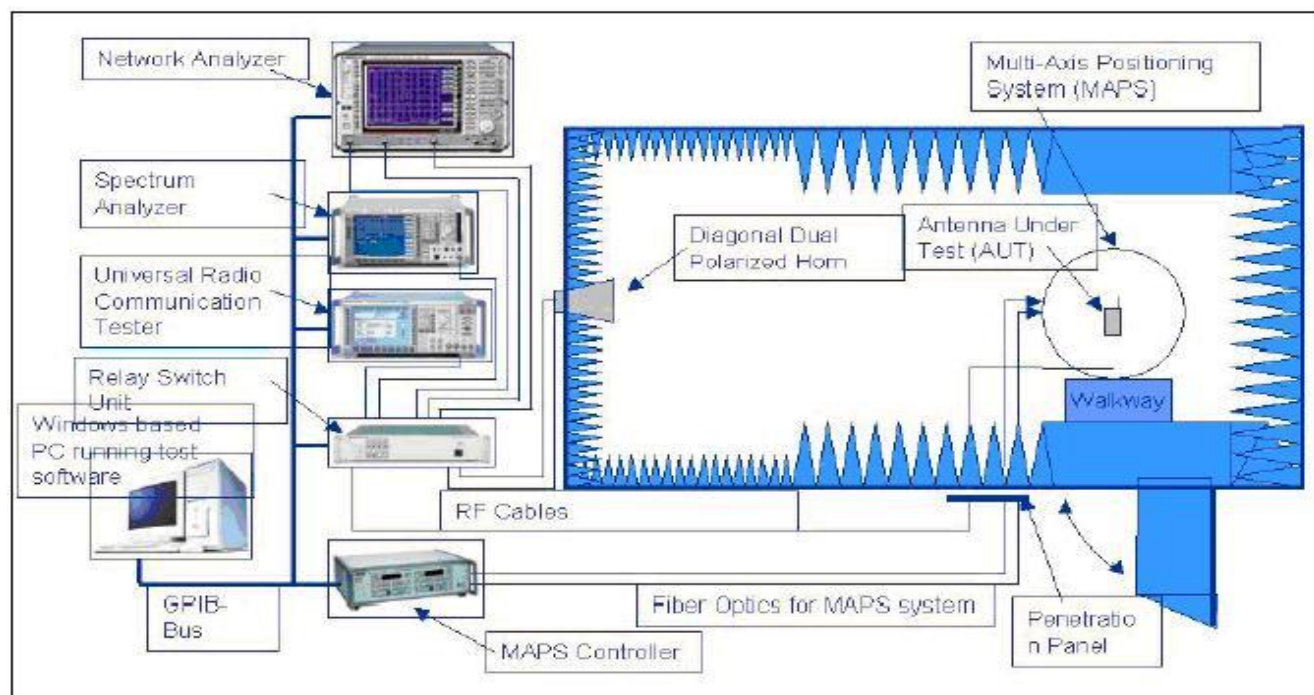
2. Test equipment



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 within0.4-6G.



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件
ZTX P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019
Editor:

Rev: R:A1
Page 5 of 8

3.Antenna test data

3-1 No-source test data

Frequency	Efficiency	Efficiency . dB	Frequency	Gain . dB
2.4E+09	64%	-1.97212	2.4E+09	3.727434
2.41E+09	63%	-2.03543	2.41E+09	3.812334
2.42E+09	62%	-2.09592	2.42E+09	3.679595
2.43E+09	61%	-2.13151	2.43E+09	3.675701
2.44E+09	60%	-2.20635	2.44E+09	3.777374
2.45E+09	60%	-2.20622	2.45E+09	3.713101
2.46E+09	59%	-2.28263	2.46E+09	3.556553
2.47E+09	60%	-2.22689	2.47E+09	3.443056
2.48E+09	59%	-2.26459	2.48E+09	3.21474
2.49E+09	57%	-2.42621	2.49E+09	2.960228
2.5E+09	57%	-2.42543	2.5E+09	3.165848
5.15E+09	45%	-3.47213	5.15E+09	3.2232
5.2E+09	49%	-3.09949	5.2E+09	3.544623
5.25E+09	47%	-3.2855	5.25E+09	2.978289
5.3E+09	49%	-3.10797	5.3E+09	3.485895
5.35E+09	51%	-2.92691	5.35E+09	3.650875
5.4E+09	51%	-2.96667	5.4E+09	3.545348
5.45E+09	50%	-3.01168	5.45E+09	3.057107
5.5E+09	48%	-3.15633	5.5E+09	2.695284
5.55E+09	51%	-2.91058	5.55E+09	3.293813
5.6E+09	50%	-2.97882	5.6E+09	3.347929
5.65E+09	53%	-2.73858	5.65E+09	3.656722
5.7E+09	53%	-2.77529	5.7E+09	4.020098
5.75E+09	54%	-2.70975	5.75E+09	4.467114
5.8E+09	50%	-3.03694	5.8E+09	4.438331
5.85E+09	49%	-3.06389	5.85E+09	4.528617



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019

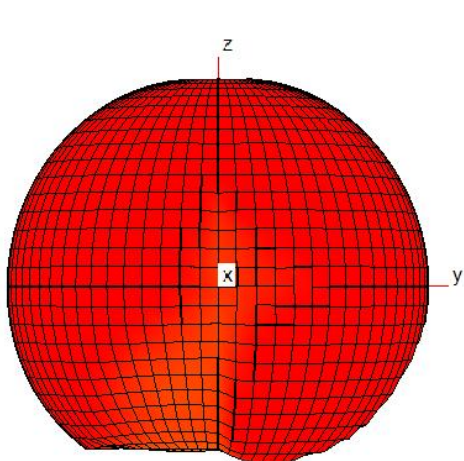
Rev: R:A1

ZTX P/N :VT-7 WIFI 天线组件

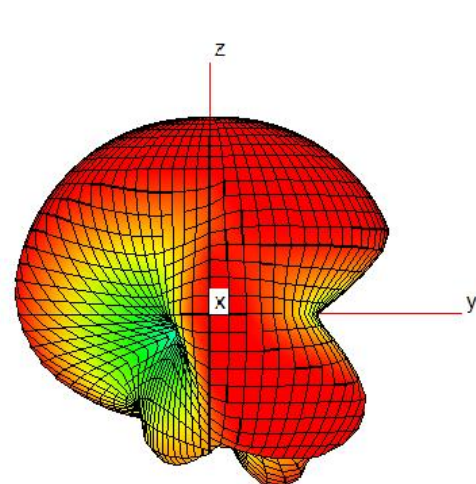
Editor:

Page 6 of 8

3-2 3D radiation drawing



2450MHz



5500MHz



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件
ZTX P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019
Editor:

Rev: R:A1
Page 7 of 8

4.Environment Characteristic

NO.	ITEM	TEST CONDITION	SPECIFICATION
4-1	High Temperature/Humidity Storage Test(non operating)	1.Temperature: $+70 \pm 2^{\circ}\text{C}$ 2.Humidity: $90 \sim 95\% \text{RH}$ 3.Time: 48hrs	No material deformation is allowed.
4-2	Low Temperature/Humidity Storage Test(non operating)	1.Temperature: $-30 \pm 2^{\circ}\text{C}$ 2.Humidity: $0\% \text{RH}$ 3.Time:48hrs	The VSWR, Gain, Radiation Pattern must be met specifications after these test.



ANTENNA SPECIFICATION

CUS P/N :VT-7 WIFI 天线组件
ZTX P/N :VT-7 WIFI 天线组件

ApplicationDate:May,07,2019
Editor:

Rev: R:A1
Page 8 of 8

5.The packing way

深圳市中天迅通信科技股份有限公司 SHENZHEN ZHONGTIAN XUN Communication Technology Co., Ltd.				包装规范			
产品名称		产品型号	天线类型		版本	文件编号	
天线		VT-7	FPC+同轴线		A1		
包装示意图				包装工艺流程		注意事项	
图1（产品） 图2（PE袋A） 图3（PE袋B） 图4（纸箱）				1> 将50pcs采用橡皮筋包扎，PE袋包装；		1. 标签固定贴在纸箱右上角（标签内容包括：产品名称/数量/制造日期/订单编号等）	
				2> 将PE袋A产品装入PE袋B，每袋装10包（共5000PCS）；			
				3> 将PE袋B产品装入纸箱，每箱装（5000~10000PCS）；尾数除外			
				4> 纸箱封好后贴上出货标签；			
包装材料明细							
名称		材质		尺寸规格		每箱用量	
纸箱		K=K		(45*32.5*21)cm			
PE袋A		PE		(24*16)cm			
PE袋B		PE		280*360mm			
标签						/	
卡板						2张	
版本		修订内容			修订日期		修订人
制订：刘黎平		审核：龙秋霖			批准：韩振宇		

