

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A3)

	CUSTOMER	Nexhome	
	CS P/N	DH-I66S (P)	
	PART NAME	WIFI/BT	
	FREQUENCY	2400-2500MHz	
	ZTX NO.	F.00000475	
	DATE	2022-9-23	

<http://www.chinaztx.com>

ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

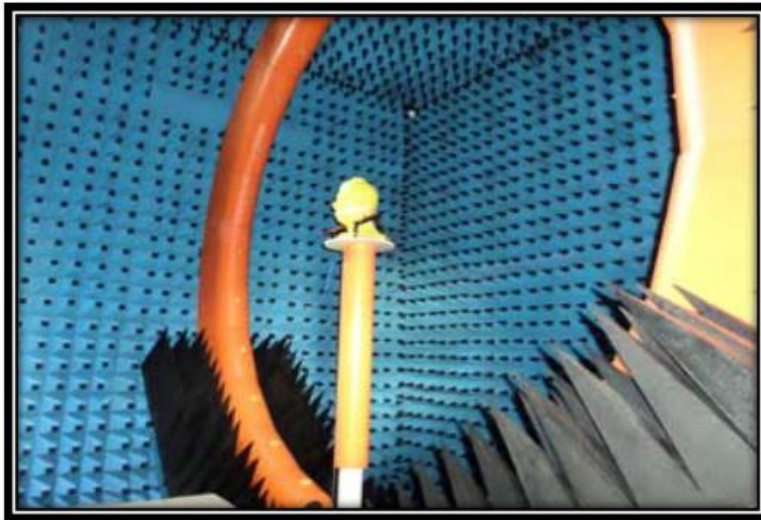
ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

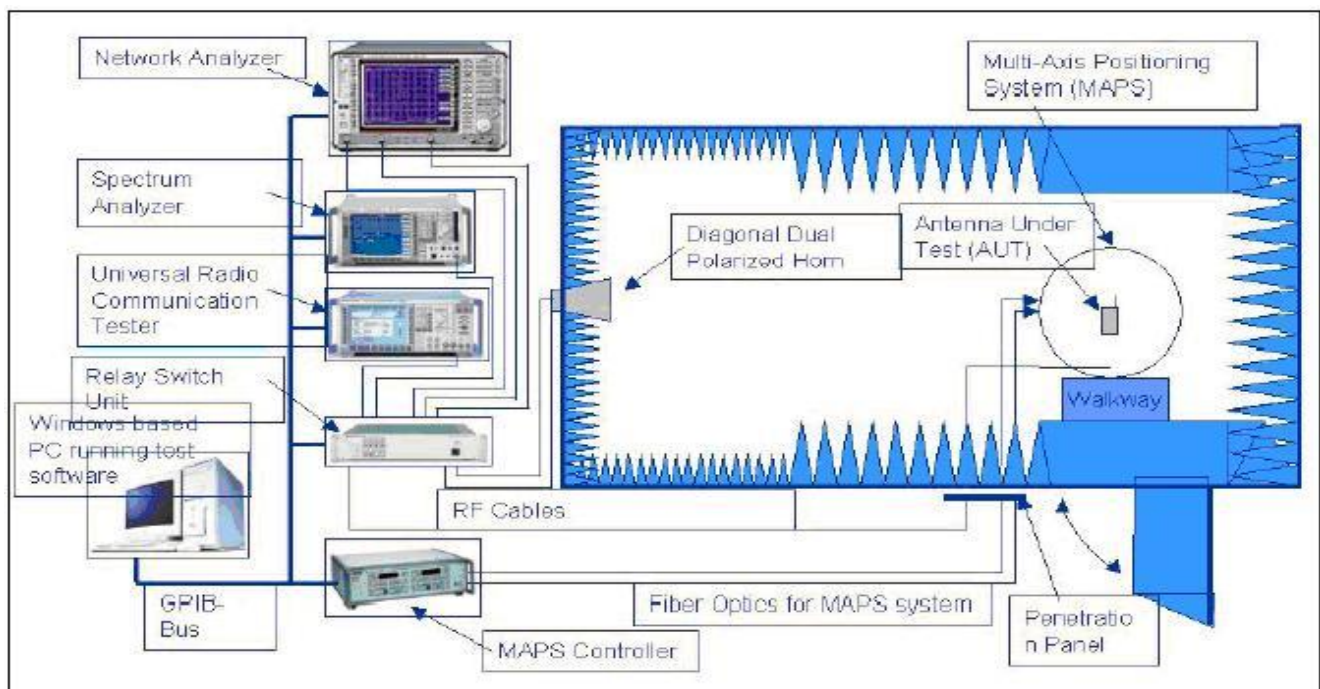
1. Test equipment



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 within 0.4-6G.



ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

ApplicationDate:Sep,23,2022

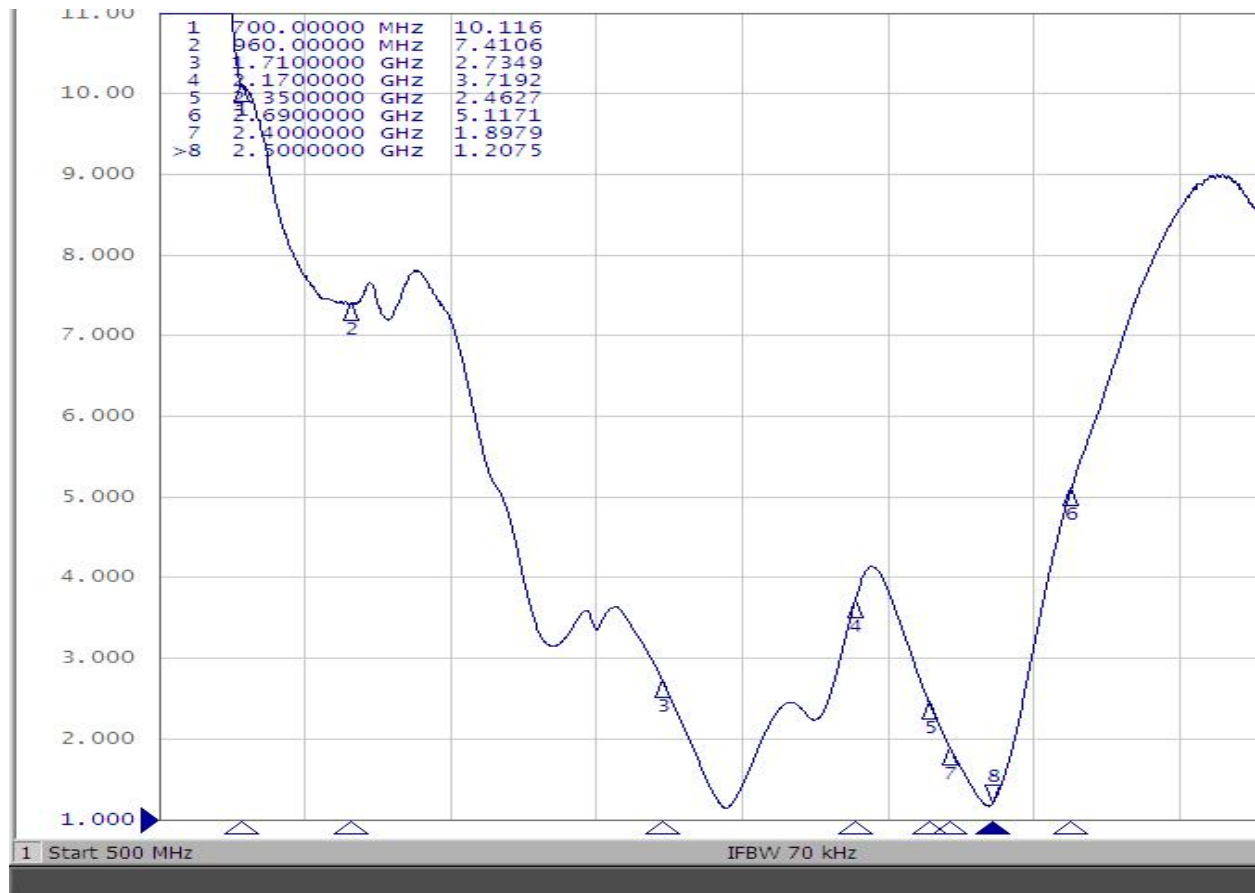
Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

2. Antenna test data

2-1 VSWR



ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

2-2 Antenna passive test

chNo	Freq (MHZ)	Gain (dBi)	Efficiency_Pcent (%)
1	2400	3.4	20.81198
2	2420	3.3	21.50228
3	2440	3.4	22.4061
4	2460	3.5	22.68105
5	2480	3.7	21.96306
6	2500	3.6	20.76469

ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

ApplicationDate:Sep,23,2022

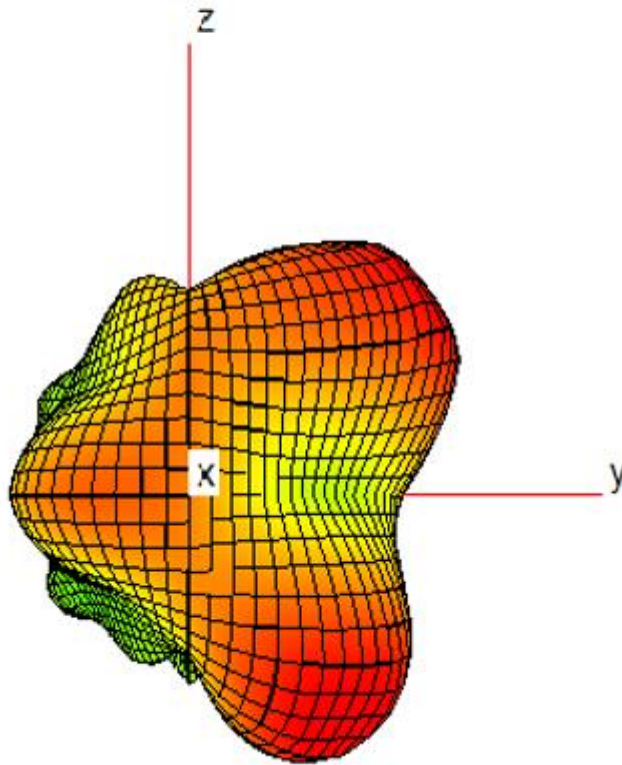
Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

2-3 3D radiation drawing

2450MHz



2-4 Active test data

ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

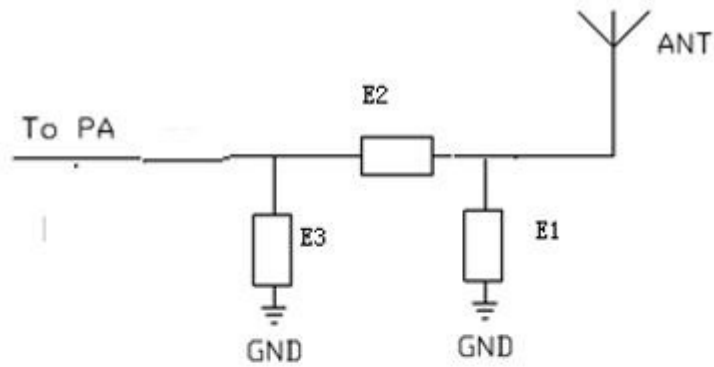
ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

2-5 Matching circuit



	WIFI/BT
E1	NC
E2	0Ω
E3	NC

ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

2-6 Environment treatment



ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

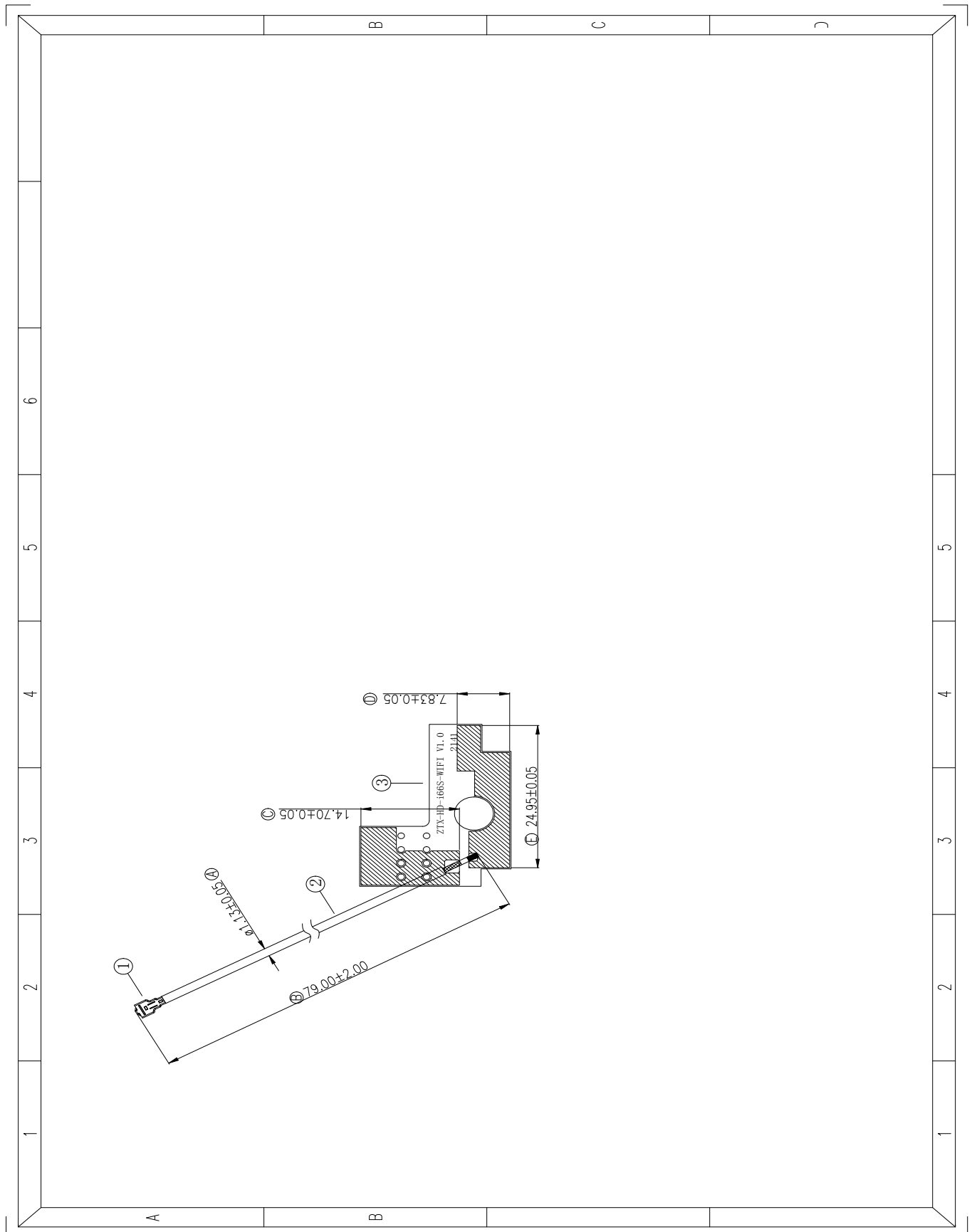
ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

3. Mechanical Specification



ANTENNA SPECIFICATION

CUS P/N : DH-I66S (P) WIFI/BT

ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) WIFI/BT

Editor:

4.Size report

5.Salt-Spray test

6.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.

