

SPECIFICATION

SHEET FOR APPROVAL

(Revision: R: A3)

	CUSTOMER	Nexhome	
	CS P/N	DH-I66S (P)	
	PART NAME	ZigBee	
	FREQUENCY	2400-2500MHz。	
	ZTX NO.	F.00000476	
	DATE	2022-9-23	

ANTENNA SPECIFICATION

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ApplicationDate:Sep,23,2022

Rev: R:A3

ZTX P/N : DH-I66S (P) ZigBee

Editor:

Revision history

Version	Date	
A1	2021-10-14	
A2	2022-9-14	
A3	2022-9-23	

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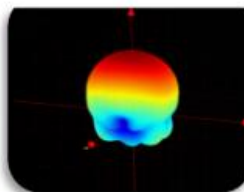
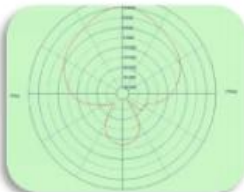
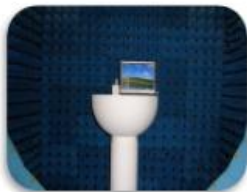
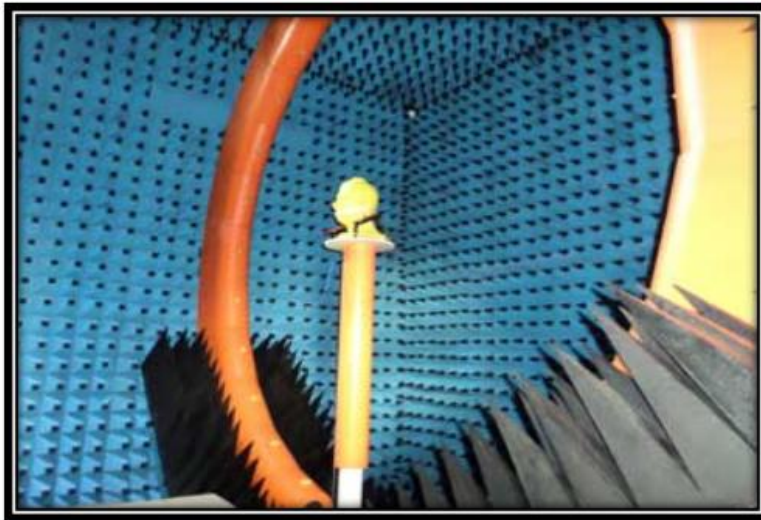
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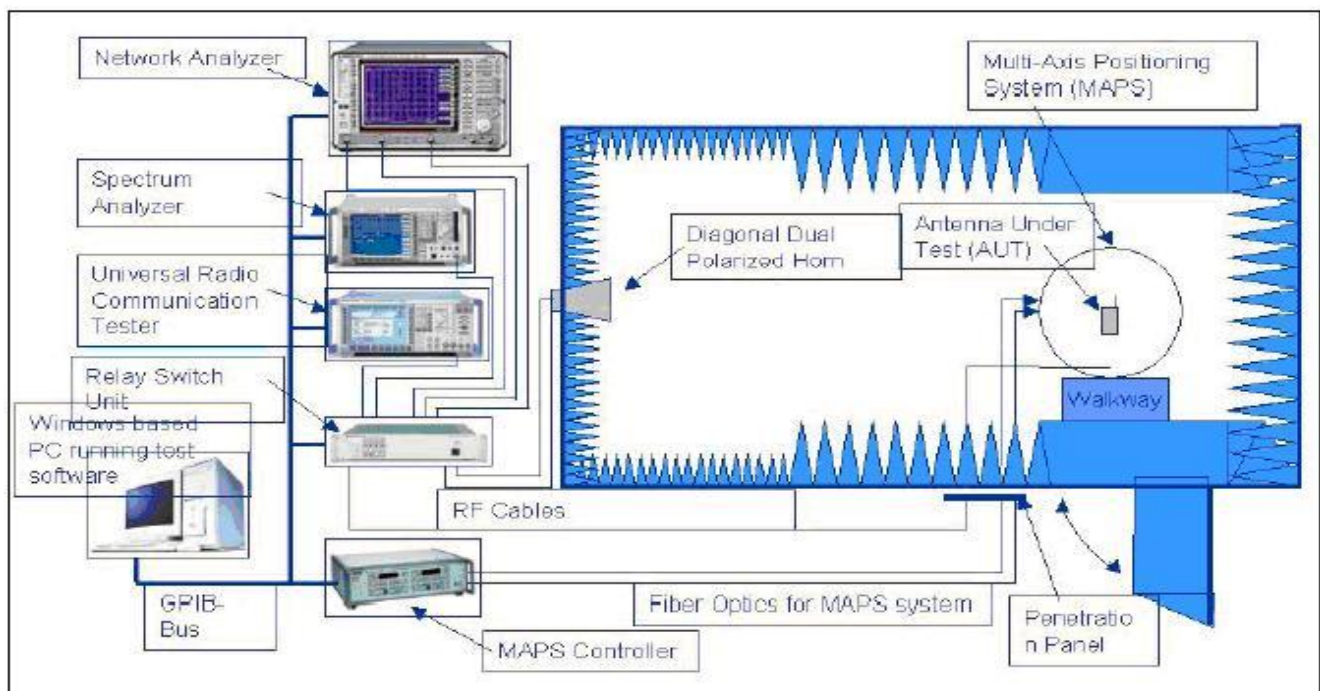
1. Test equipment



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.



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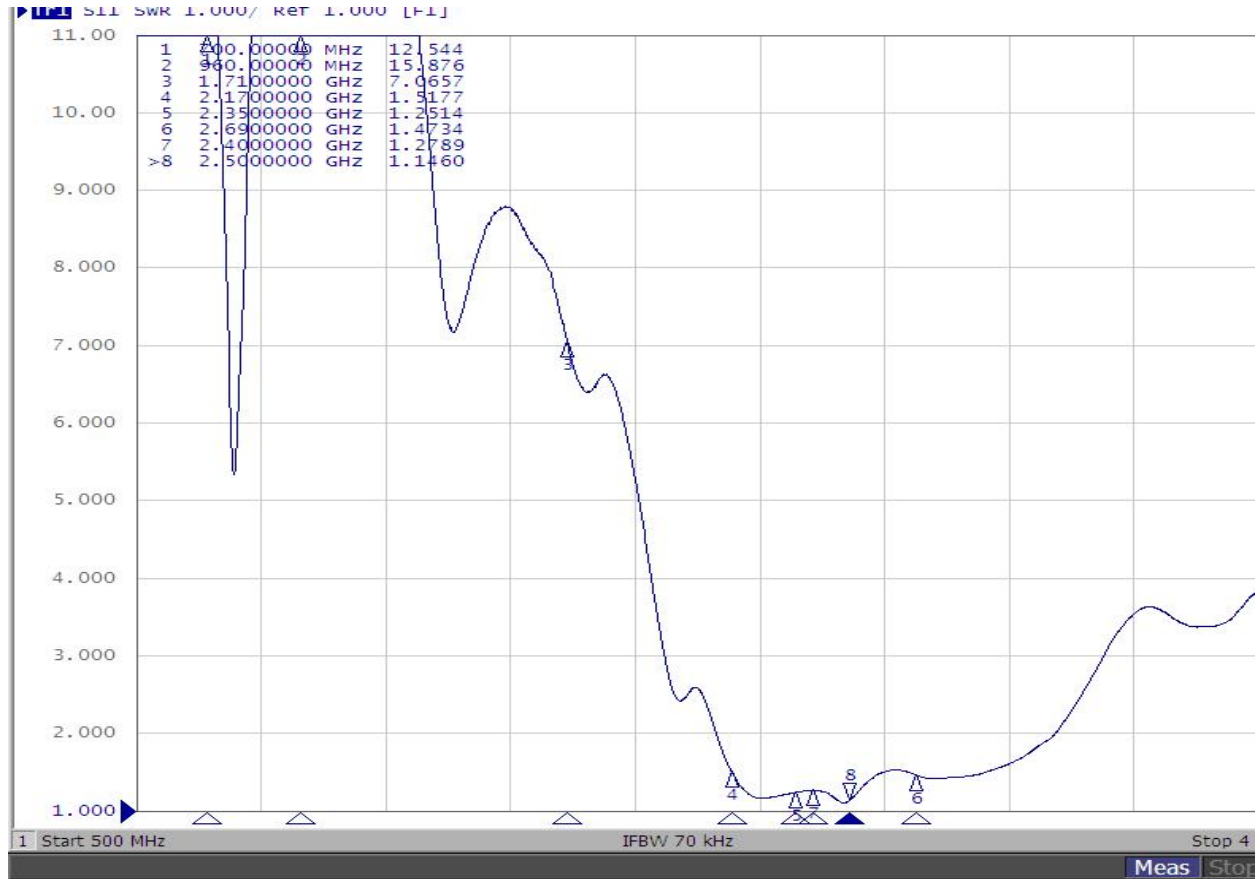
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2.Antenna test data

2-1 VSWR



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2-2 Antenna passive test

chNo	Freq (MHz)	Gain (dBi)	Efficiency_Pcent (%)
1	2400	1.7	24.33
2	2420	1.9	25.52
3	2440	2.0	25.76
4	2460	1.9	24.80
5	2480	1.5	22.74
6	2500	1.6	23.01

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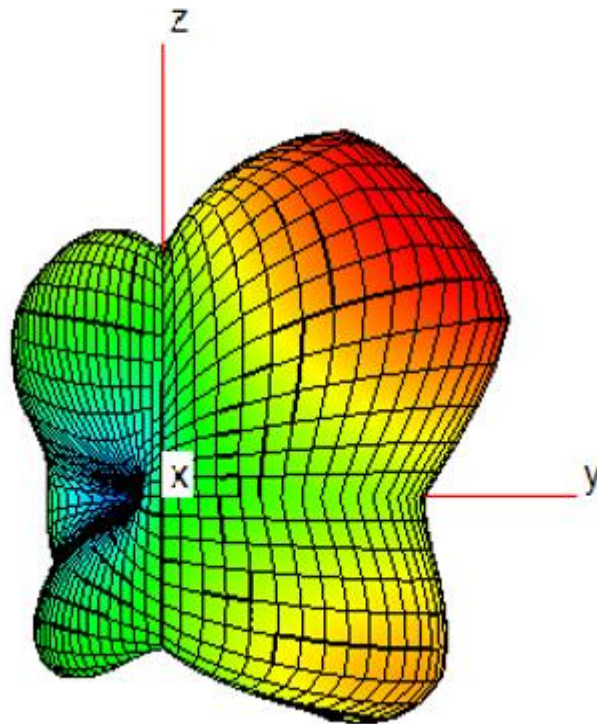
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2-3 3D radiation drawing

2450MHz



2-4 Active test data

N/A

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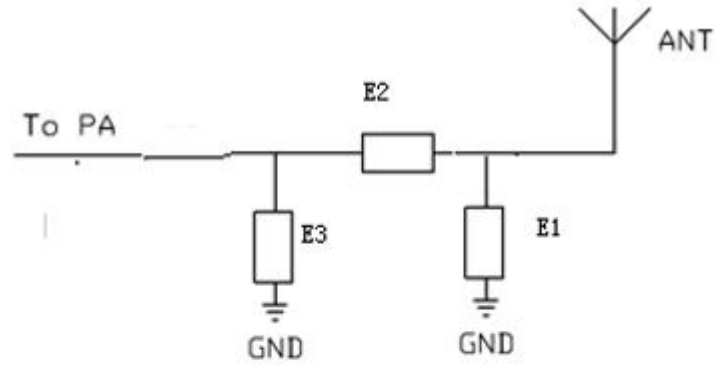
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2-5 Matching circuit



匹配说明	ZigBee
E1	NC
E2	0Ω
E3	NC

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2-6 Environment treatment



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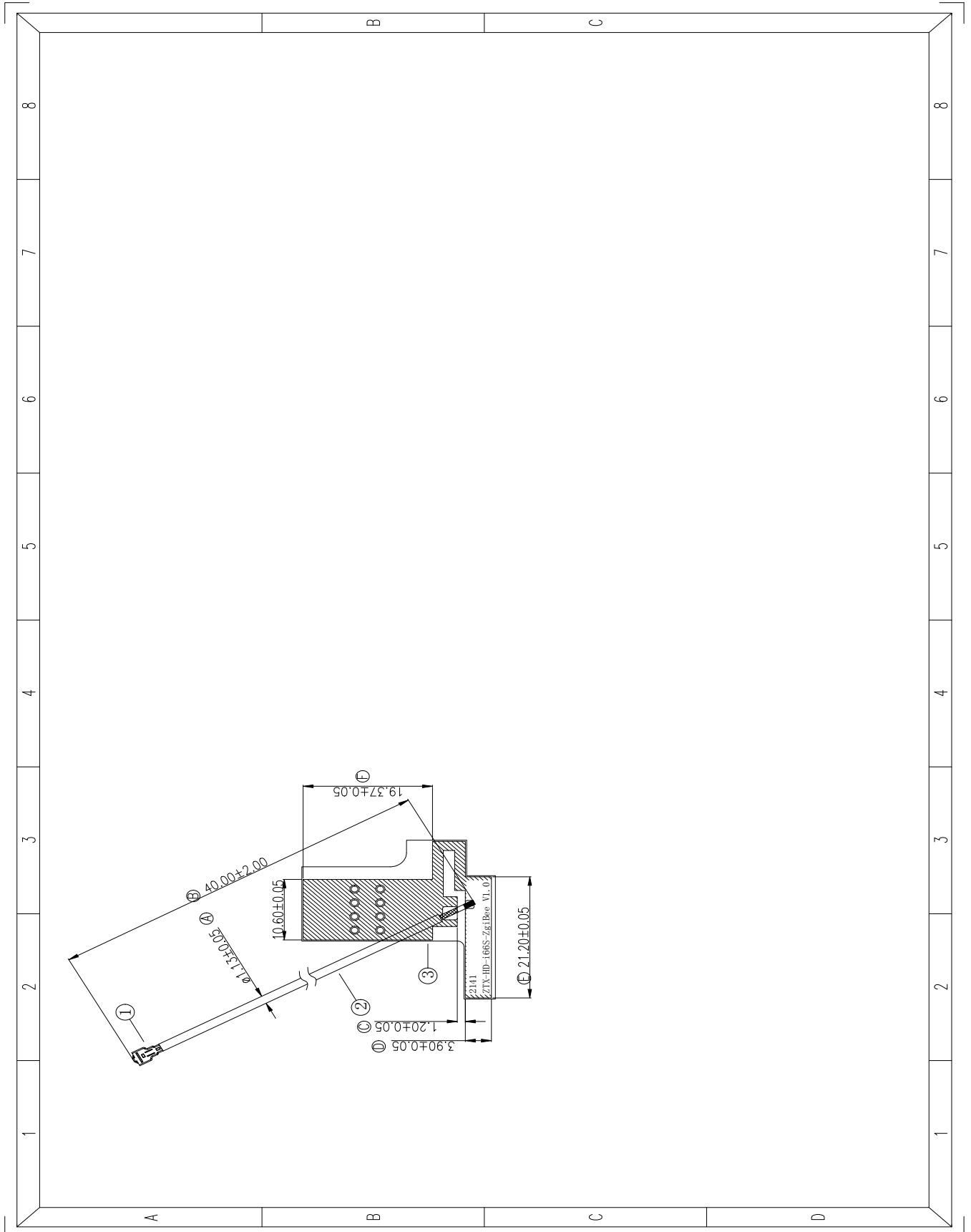
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3. Mechanical Specification



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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.