规 格 承 认

SPECIFICATIONFORAPPROVAL

项目名称 **Project Name**	训狗器 PT-24接收 Dog trainer PT-24 receives
制造商 **Manufacturer**	深圳市西洁微电子有限公司 Shenzhen Xijie Microelectronics Co., Ltd
制造商地址 Manufacturer's address	深圳市宝安区西乡街道桃源社区航城工业区宝华森国际中心B栋401 401, Building B, Baohuasen International Center, Taoyuan Community, Taoyuan Community, Xixiang Street, Bao'an District, Shenzhen
规 格 **specification**	433MHz弹簧天线- 433MHz Spring Antenna- 1
供 方 料 号 **Supplier NO.**	NOZ-1775-R0A
规 格 书 编 号 **Specification NO.**	
编写人 Write by	饶功泽 Rao Gongze
版本 **REV.**	Ver.1
日 期 **Date**	2022-11-30
备 注 **Note**	

客户确认 CUSTOMER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by
供方确认 SUPPLIER APPROVED BY		
批准 Approved by	审核 Checked by	制表 Prepared by

版本变更记录 Version change history				
变更日期 Date of change	变更内容 What's Changed	版本 version	变更人 Change of person	批准人 Approver

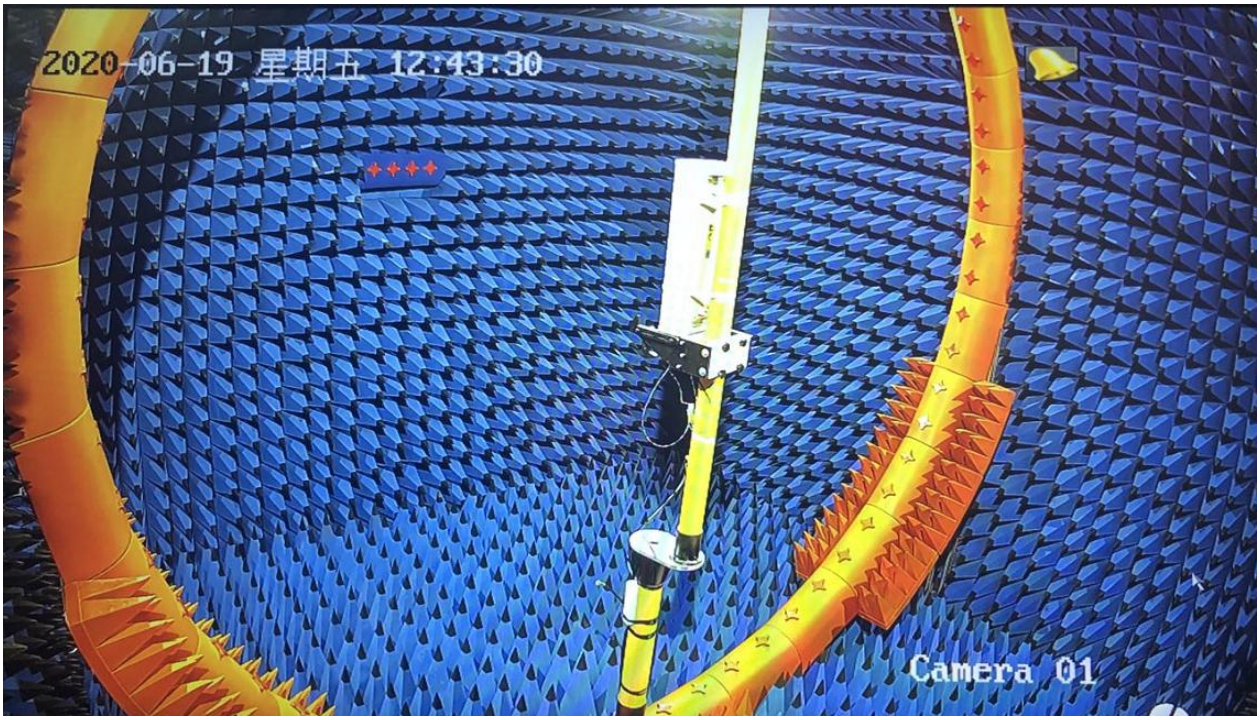
1. 承认书项目表　List of Acknowledgment Items

1. 试验设备和条件(Test Equipment & Conditions)

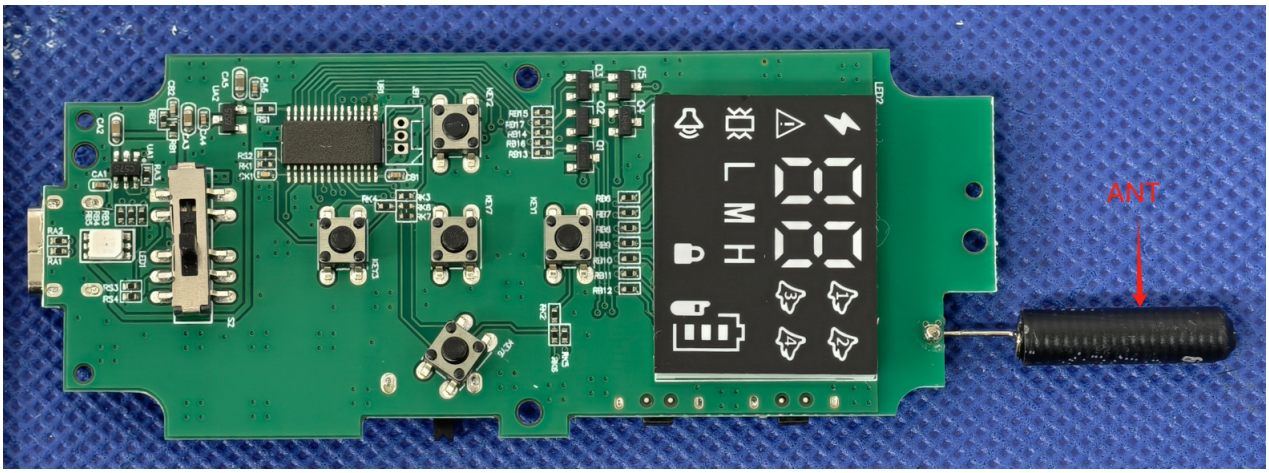
1.1. Network Analyzers : KEYSIGHT P5002A

1.2. Communications Test Set: R&S CMW 500

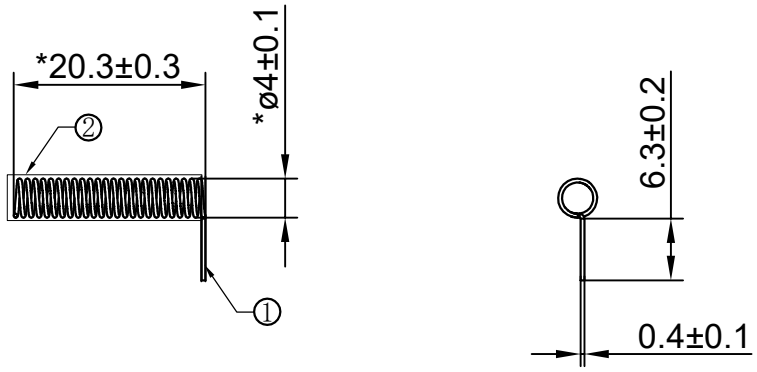
1.3. 3D Chamber Test System: 64探头测试系统



2. 样机结构说明件(Mechanical instruction)



Rev	Description	Date	Remark
A	New drawing		



No.	Part No.	Name	Specification	Amount	Remark
4					
3					
2				1	
1				1	

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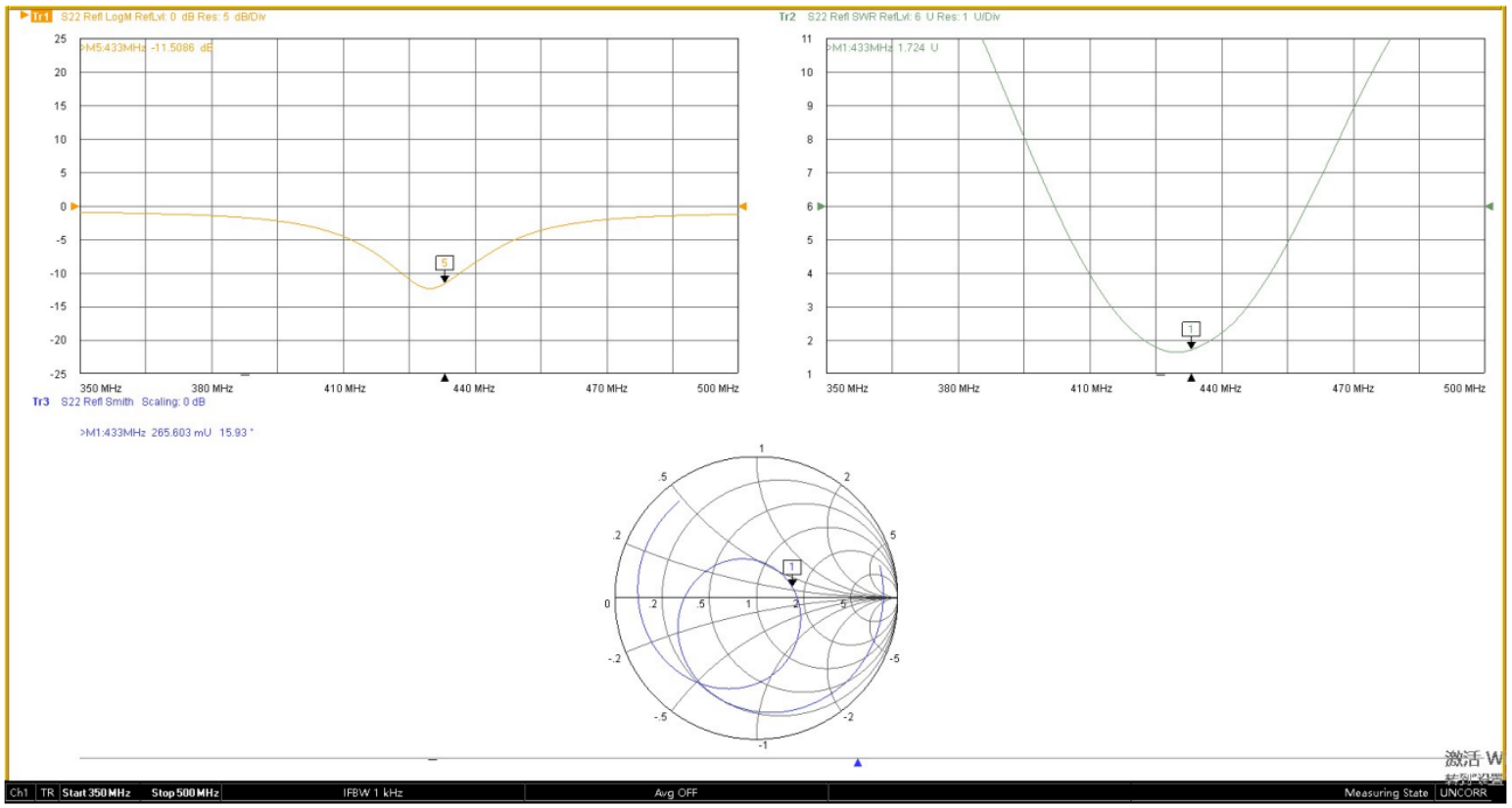
Third Angle			
0～10	±0.05	○	0.02
10～18	±0.10	◎	⌀0.03
18～30	±0.12	⊥	0.02
30～40	±0.15	▱	0.04
40～	±0.20	Angle	±0.5°
Location			

Project	训狗器Dog trainer	Date	2022-12-03
Part Name	Spring-loaded antennas	Designed by	
Part No.	NOZ-1775-ROA	Checked by	RF
Material	/		PE
DWG No.	NOZ-1775-ROA	Approved by	
		Unit mm	Scale 1:1 Rev A

3. S11 驻波图：


Tr1 S22 Refl LogM RefLvl: 0 dB Res: 5 dB/Div
>M5:433MHz -11.5086 dB
25
20
15
10
5
0
-5
-10
-15
-20
-25
350 MHz
380 MHz
410 MHz
440 MHz
470 MHz
500 MHz
Tr2 S22 Refl SWR RefLvl: 6 U Res: 1 U/Div
>M1:433MHz 1.724 U
11
10
9
8
7
6
5
4
3
2
1
Tr3 S22 Refl Smith Scaling: 0 dB
>M1:433MHz 265.603 mU 15.93 °
Ch1 TR Start 350 MHz Stop 500 MHz IFBW 1 kHz Avg OFF Measuring State UNCORR

4. 天线增益/效率　　Antenna gain/efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
420.0	-8.37	2.44
421.0	-7.78	2.60
422.0	-7.07	2.81
423.0	-6.00	3.08
424.0	-4.63	3.38
425.0	-3.26	3.71
426.0	-1.86	4.20
427.0	-0.66	4.69
428.0	0.32	5.16
429.0	1.14	5.59
430.0	1.84	5.99
431.0	1.52	5.76
432.0	1.19	5.54
433.0	0.87	5.36
434.0	0.57	5.22
435.0	0.27	5.09
436.0	-0.07	4.93
437.0	-0.45	4.75
438.0	-0.94	4.53
439.0	-1.57	4.26
440.0	-2.37	3.97
441.0	-3.28	3.68
442.0	-4.31	3.40
443.0	-5.01	3.15
444.0	-5.37	2.93
445.0	-5.72	2.75
446.0	-6.10	2.58
447.0	-6.49	2.43
448.0	-6.90	2.29
449.0	-7.34	2.15
450.0	-7.84	2.01

3D Pattern