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**PRODUCT SPECIFICATION SHEET**

**APPELLATION:** **433M Folding Rubber Rod Antenna**

**PART NUMBER:** **YXS-433-WZ108**

<b>Manufacturer</b>	<b>Technical</b>	<b>Quality</b>	<i>Project</i>	<i>Developing</i>

<b>Client</b>	Materials Engineer	Engineer	Approval	R & D System

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## 1、 PRODUCT TECHNICAL SPECIFICATION

<b>Electrical Specifications</b>	
Frequency Range (MHz)	420-450MHZ
Bandwidth (MHz)	30
Input Impedence	Input Impedence ( $\Omega$ ) 50
V.S.W.R	$\leq 1.7$
Polarization Type	Vertical
Lightning Protection	DC Ground
Power Capacity (w)	50
<b>Mechanical Specifications</b>	
Antenna Length (mm)	108
Radiator	Copper Cuprum
Connect Type	SMA-J
Working Temp( $^{\circ}$ C)	-40~60
Storage Temperature( $^{\circ}$ C)	-20~40
Radome Color	Black
Radome Material	TPEE
Weight (g)	8

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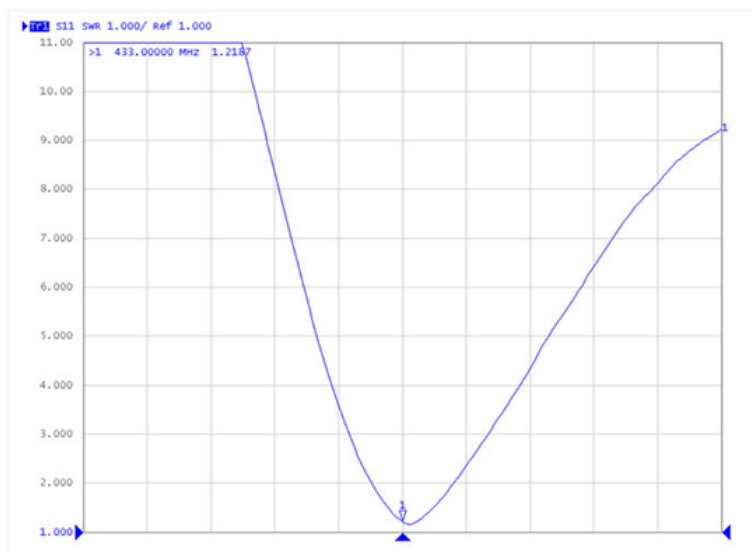
## 2、 Product Introduction

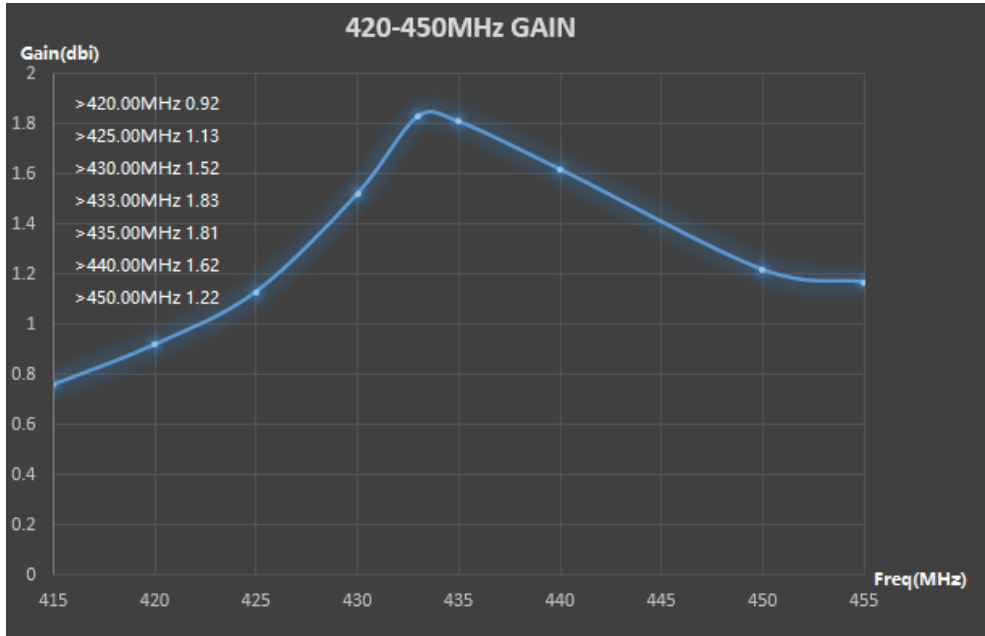
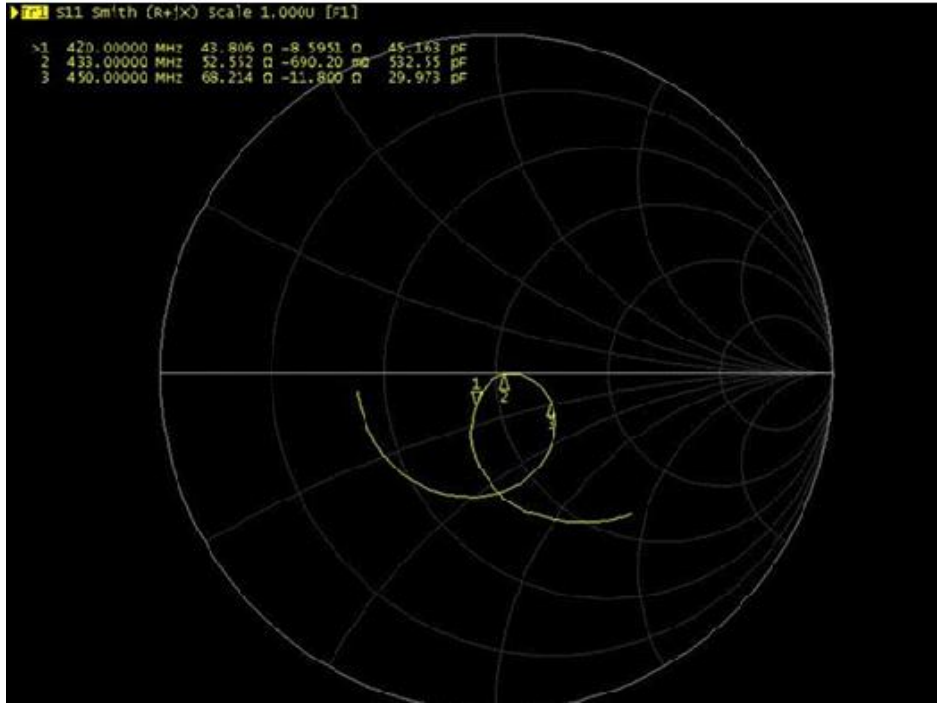
This antenna is widely used in devices such as walkie talkies and wireless meter readers. The antenna has the advantages of beautiful appearance, compact structure, and easy installation

## 3、 PRODUCT SPECIFICATION CHART



## 4、 TEST DATA





Passive Test								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
420	47.57	-3.23	0.92	-1.23	0.07	-17.55	47.06	46.33
425	50.49	-2.97	1.13	-1.02	0.29	-17.84	47.2	46.63
430	55.3	-3.13	1.52	-0.63	0.19	-18.34	47.32	46.53
433	61.9	-3.69	1.83	-0.32	-0.38	-19.05	47.08	46.39
435	57.91	-3.06	1.81	-0.34	0.22	-18.4	47.26	46.55
440	51.32	-2.08	1.62	-0.53	1.2	-17.21	48	47.41
450	19.23	-2.37	1.22	-0.93	0.95	-17.28	48.03	47.34