
PRODUCT SPECIFICATION SHEET

APPELLATION: 433M Folding Rubber Rod Antenna

PART NUMBER: YXS-433-WZ108

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

Client	Materials Engineer	Engineer	Approval	R & D System

1、 PRODUCT TECHNICAL SPECIFICATION

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

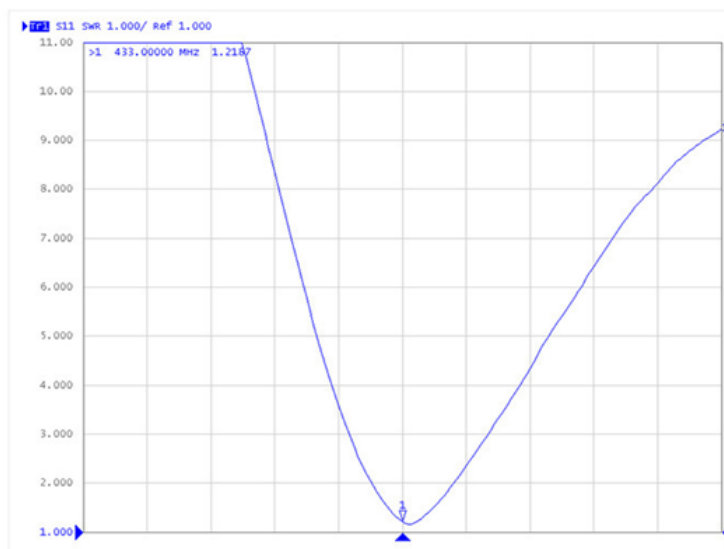
2、 Product Introduction

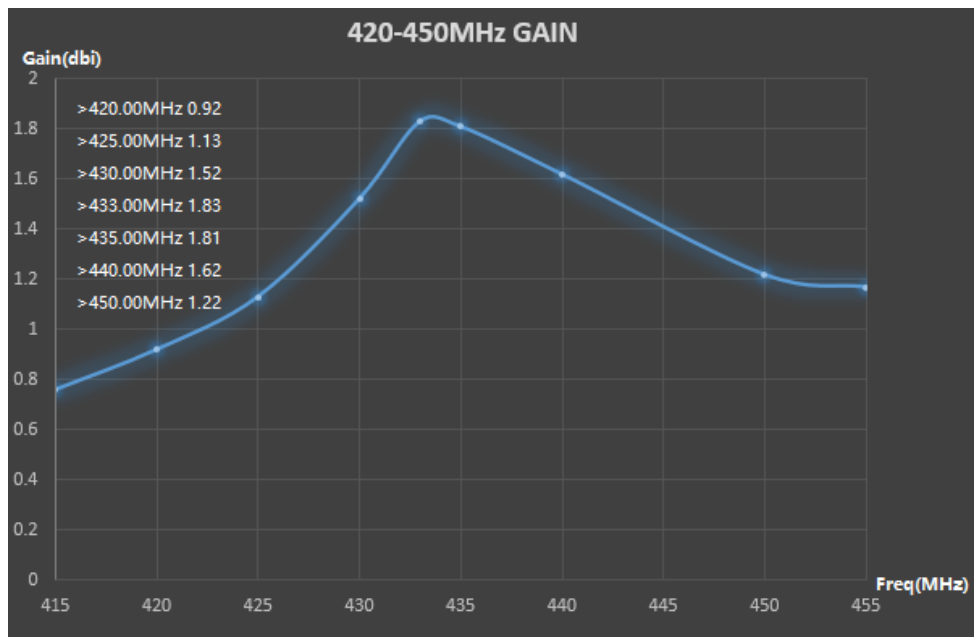
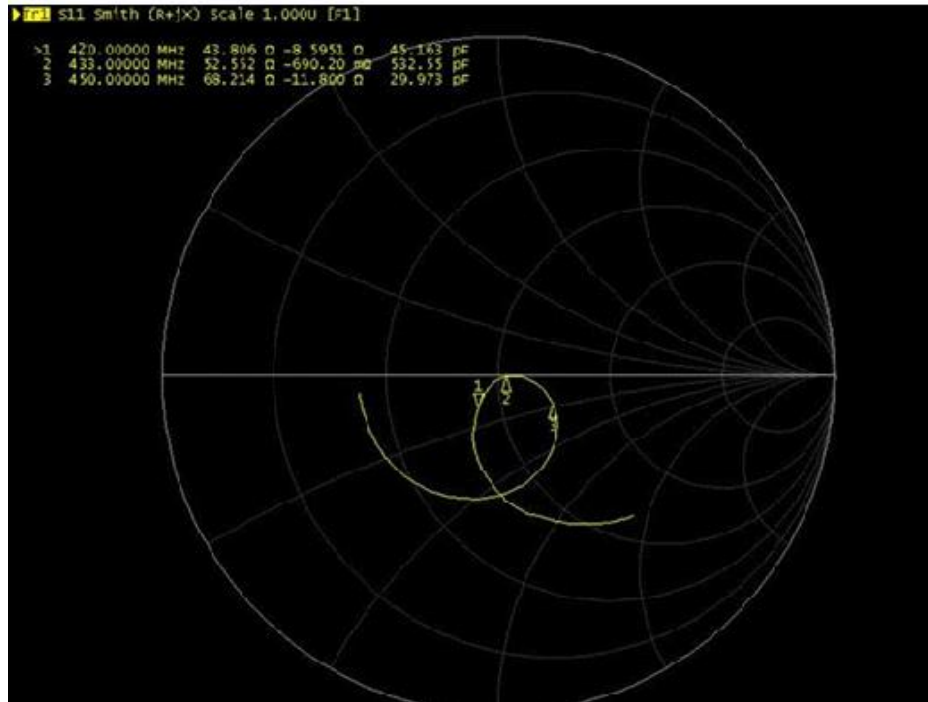
This antenna is widely used in devices such as walkie talkies and wireless meter readers. The antenna has the advantages of beautiful appearance, compact structure, and easy installation

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