
customer name.....

specification

PRODUCT SPECIFICATION SHEET

name of material

APPELLATION: 2.4G Foldable Rubber Rod Antenna

product model

PART NUMBER: YXS-2400-WZ108W

Company Name

Shenzhen YXS Electronic Co.,Ltd

Company Address

**No. 146-1, Jingbei New Village, Jingbei Community,
Xixiang Street, Bao'an District, Shenzhen**

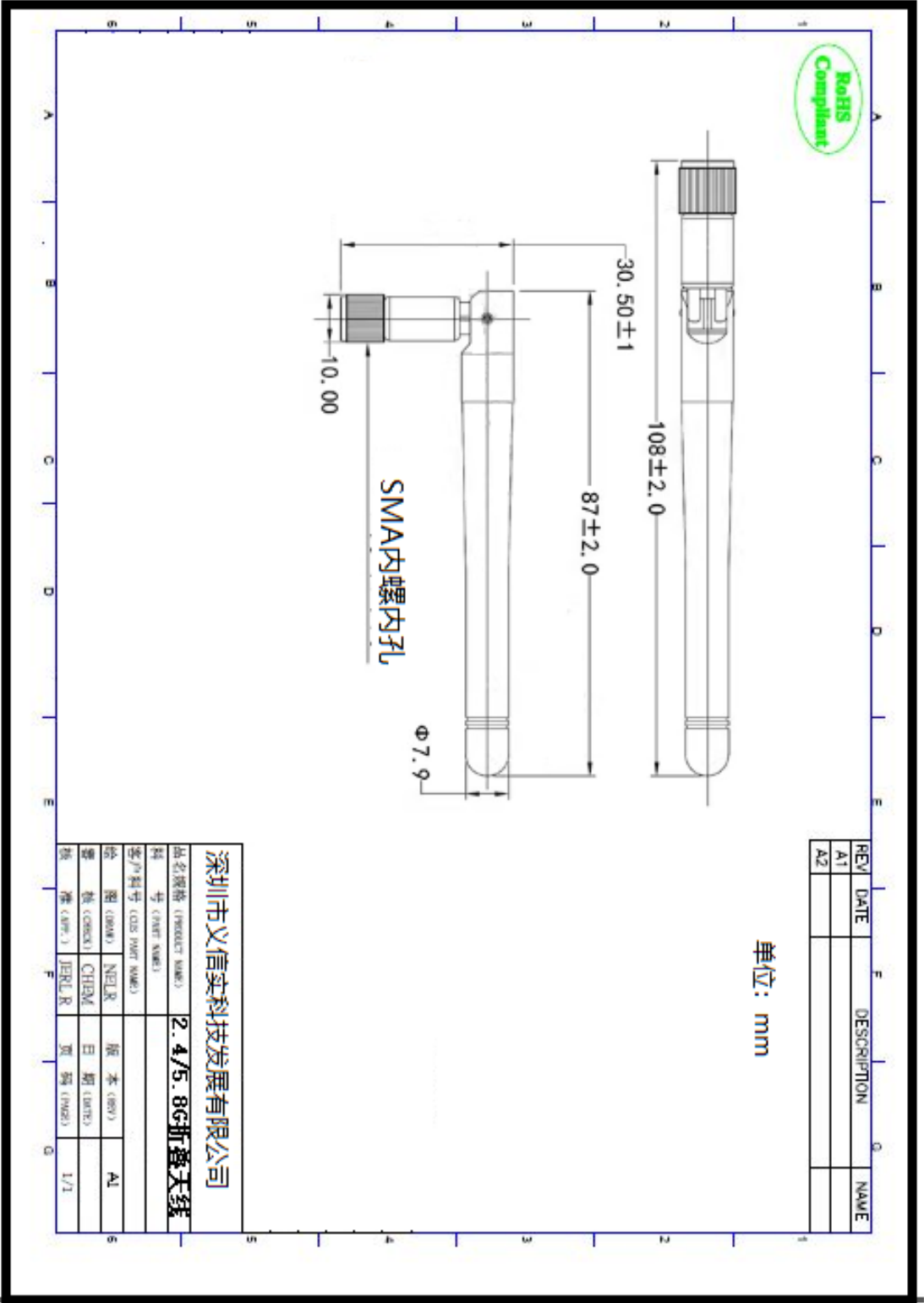
give birth to give birth to Fang	craft checking <i>Technical</i>	quality audit <i>Quality</i>	<i>Review</i> <i>Project</i>	<i>Review</i>

visitor one-panell ed door Fang	Materials Engineer	design engineer Engineer	Supervisory Approval	R&D system R & D System

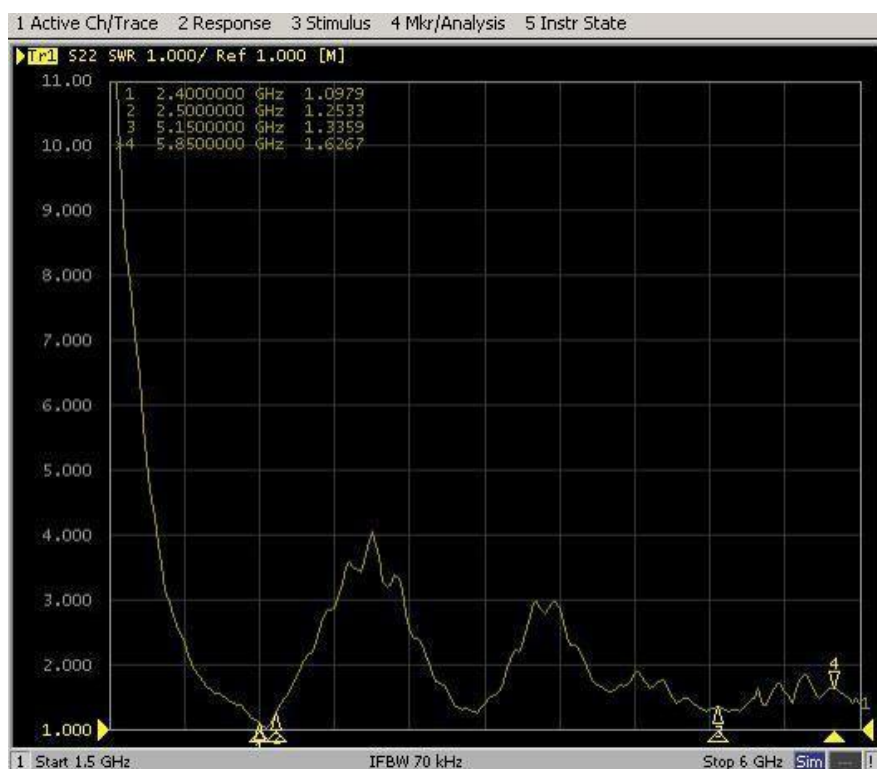
1、Product Technical Specifications

PART NUMBER: YXS-2458-WZ108W	
Electrical Performance Indicators	
Frequency Range	2400-2500MHz 4900-5900MHz
Bandwidth (MHz)	100
Input Impedance	Input Impedence (Ω) 50
Voltage Standing Wave Ratio (V.S.W.R.)	≤ 1.7
Gain (dBi)	3dBi
Polarization Type	Vertical
Lightning Protection	DC grounding
Power Capacity (w)	50
Mechanical Indicators	
Antenna Length	108
Radiator	copper Cuprum
Connector Model	RP-SMA-J (SMA internal thread and hole)
Working Temperature	-40~60
Storage Temperature	-20~40
Shell Color Radome Color	black
Shell Material	TPEE
Weight	8

2、Product Specification Chart

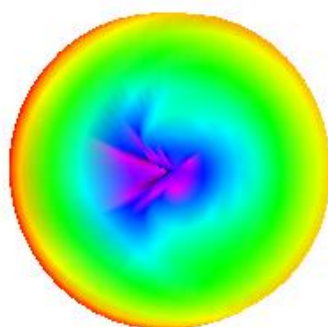


3、test parameter diagram

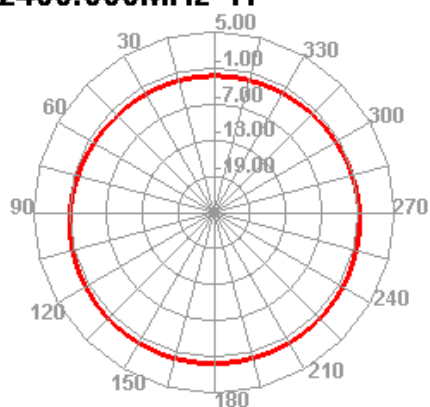


Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-1.33	-1.49	-1.69	-1.81	-1.81	-1.81	-1.97	-2.04	-2.03	-2.11	-1.94
Gain (dBi)	2.49	2.22	2.00	2.01	2.02	2.03	2.01	2.05	2.09	2.02	2.17
Efficiency (%)	73.69	70.96	67.80	65.91	65.86	65.94	63.57	62.45	62.60	61.53	64.03
Directivity (dB)	3.81	3.71	3.51	3.22	2.83	2.84	2.98	3.10	3.12	3.13	3.11
Peak Gain Position (Theta)	86.00	86.00	86.00	87.00	77.00	76.00	76.00	73.00	75.00	73.00	74.00
Peak Gain Position (Phi)	97.00	94.00	93.00	92.00	282.00	285.00	290.00	326.00	327.00	19.00	20.00
Efficiency ThetaPol (%)	72.41	69.75	66.66	64.78	64.77	64.91	62.60	61.51	61.65	60.58	63.02
Efficiency PhiPol (%)	1.28	1.21	1.14	1.12	1.09	1.03	0.97	0.94	0.95	0.95	1.02
Upper Hem. Efficiency (%)	44.36	42.10	39.82	38.65	38.70	39.16	38.12	37.78	37.88	36.83	37.62
Lower Hem. Efficiency (%)	29.34	28.86	27.98	27.25	27.16	26.79	25.45	24.67	24.72	24.70	26.41
T90(H)角度	2.05	2.30	2.40	2.35	2.34	1.84	1.70	2.09	2.25	2.25	2.09
Gain 15deg (dBi)											
E1(XZ)波瓣宽度	73.00	78.00	84.00	82.00	81.00	80.00	72.00	66.00	45.00	60.00	60.00
E1(XZ)前后比	5.13	4.96	5.08	5.57	5.91	6.13	6.03	5.72	5.27	4.74	4.30
E2(YZ)波瓣宽度	35.00	37.00	43.00	72.00	77.00	63.00	62.00	63.00	67.00	71.00	67.00
E2(YZ)前后比	3.82	3.85	3.87	3.83	3.66	3.66	3.63	3.45	3.10	2.69	2.50
最大增益处轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
仰角10度最差(大)轴比(P)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Hc(XY)波瓣宽度	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00	360.00
Hc(XY)前后比	1.67	1.90	1.92	1.74	1.27	0.65	0.02	0.02	0.02	0.02	0.03
Empty											

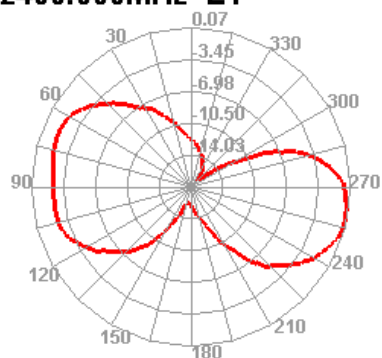
2400.000MHz



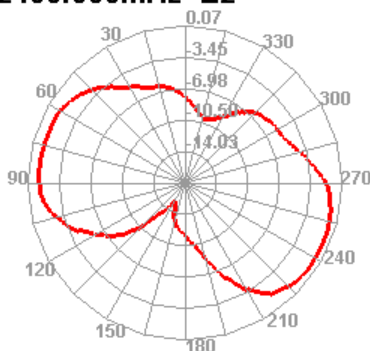
2400.000MHz H



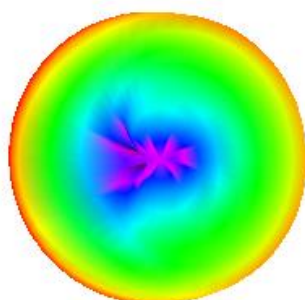
2400.000MHz E1



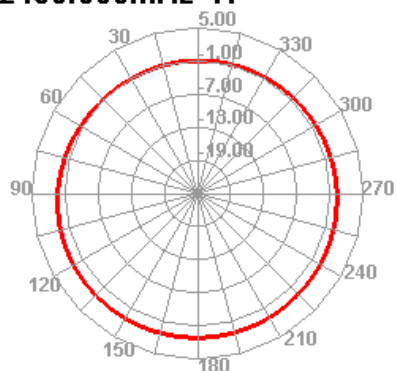
2400.000MHz E2



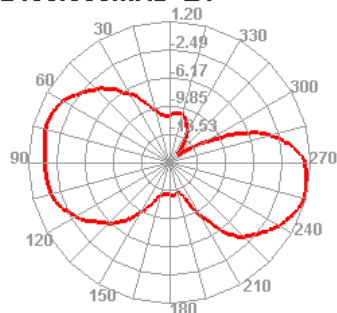
2450.000MHz



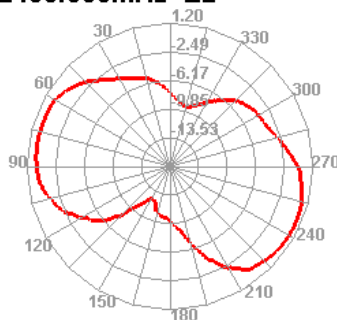
2450.000MHz H



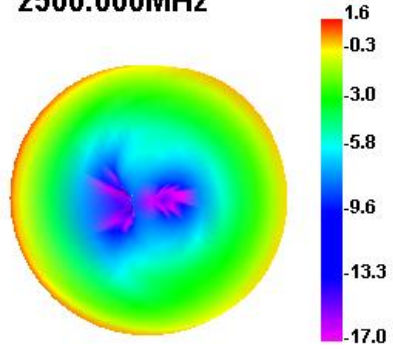
2450.000MHz E1



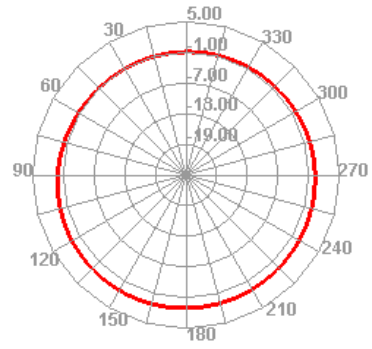
2450.000MHz E2



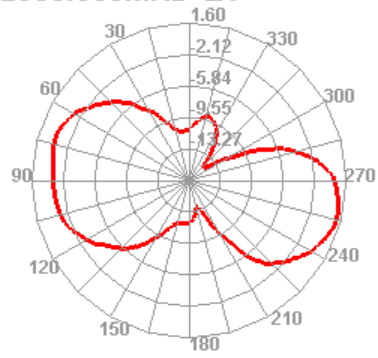
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

