

卓越電子股份有限公司

產品描述：2.4GHz Antenna To SMA PLUG
產品料號：ANTS240002004002

TECHNICAL DATA

1.Electrical Properties

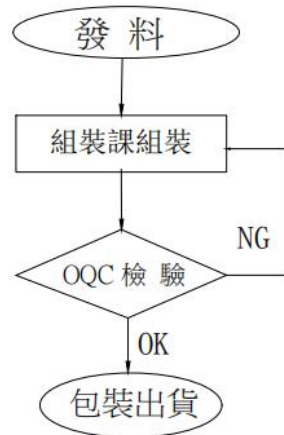
Frequency Range	2.4-2.5GHz
V.S.W.R	2.0 MAX
Radiation	Omni
Gain	3±1DBi
Polarization	Vertical
Impedance	50 Ω

2.Mechanical & Environmental

Whip	
Standard Connector	SMA PLUG
Weight	
Operating Temp	−20℃ ~ +65℃

產品圖

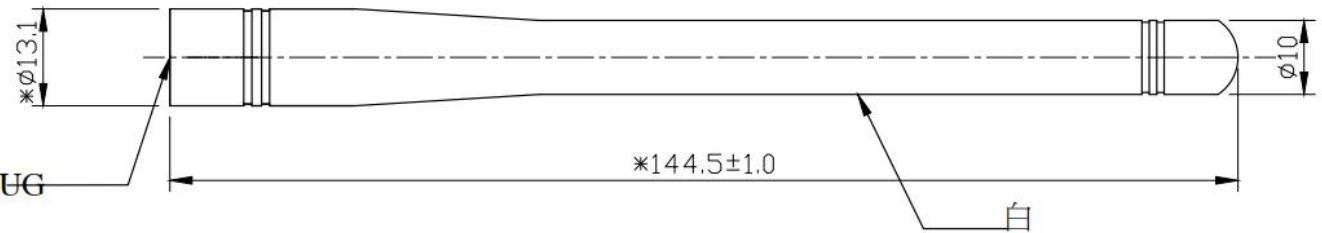
一. 生產流程圖:



檢驗重點：

- 外觀無毛刺、色差、污漬，
接頭脫落拉拔力6kg以上
- 對鎖順暢

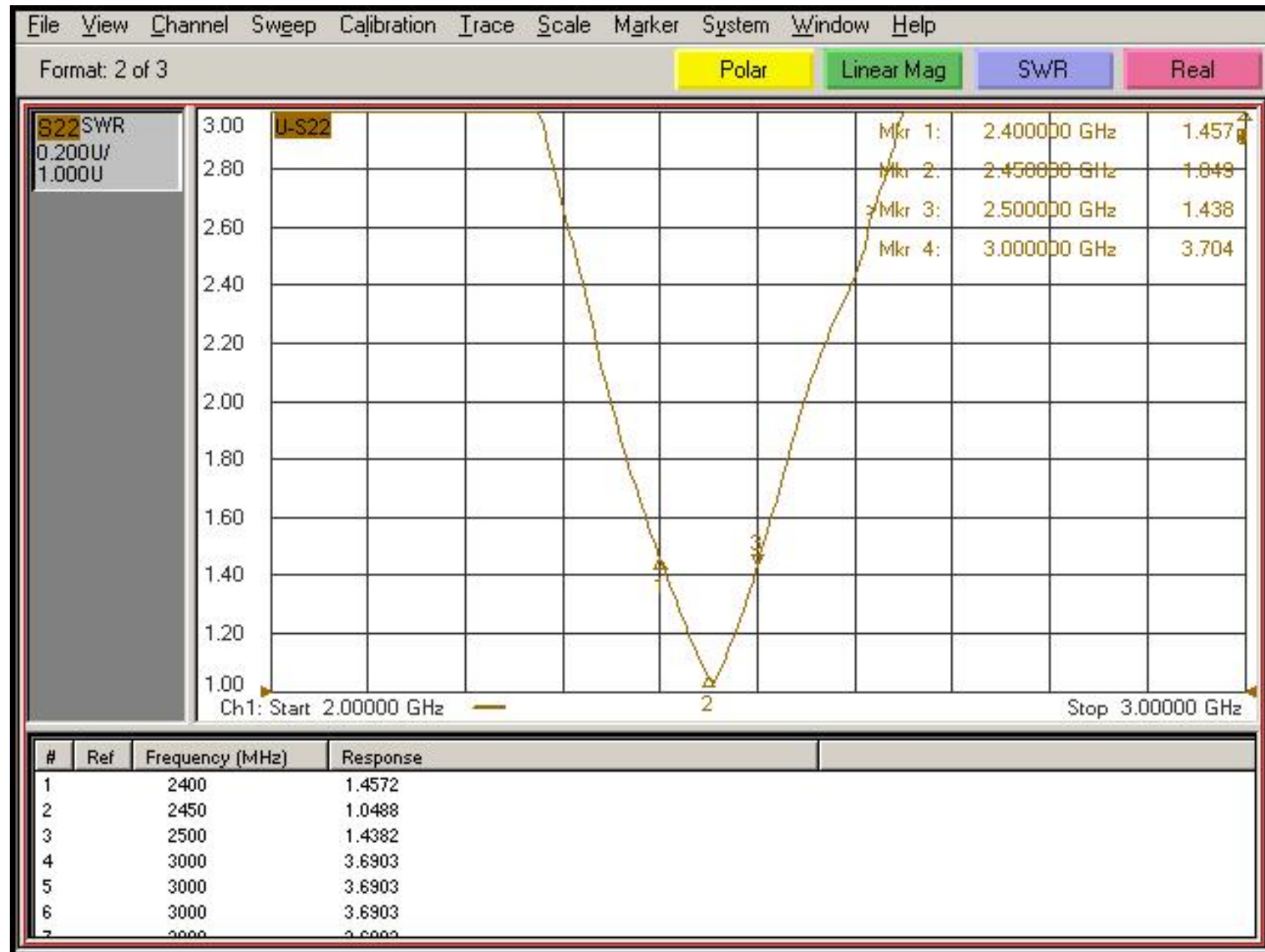
SMA PLUG



Electrical Properties	
Frequency Range	2.4-2.5GHz
Impedance	50 Ω
V.S.W.R.	≤2.0
Radiation	Omni
Gain	3dbi ±1
Mechanical Properties	
Connector Type	SMA Plug
IP Level	IP-67
Dimension	L=144.5mm
Weight	g(est)
Operating Temp.	-0°C~+80°C
Storage Temp.	-0°C~+80°C

 Tolerance 未標注公差: XX ±1 X ±0.5 .X ±0.3 .XX ±0.2 .XXX ±0.1 未標注角度公差:±1°				
	C/U NO.客戶編號	ZY03	Part Name,品名規格	362 護套 2.4GHz Antenna To SMA PLUG
	Material,材質		C/U Part No.客戶料號	
	Finish,處理		Part No. 料號	A01-2024052801-A1
	Scale,比例	自定义	App.核准	Check,校對
REV.版本/次	A00			Draw. 繪圖
Unit,單位:	mm			Jermey 2024/07/16

V.S.W.R



Gain

FEITUKEJI											
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
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-0.95	-1.01	-1.20	-1.03	-1.08	-1.24	-1.58	-1.43	-1.15	-1.05	-1.23
Peak EIRP (dBm)	3.34	3.24	3.02	3.03	2.94	2.72	2.32	2.45	2.82	2.94	2.88
Directivity (dBi)	4.28	4.26	4.22	4.06	4.01	3.95	3.90	3.88	3.97	3.99	4.10
Efficiency (dB)	-0.95	-1.01	-1.20	-1.03	-1.08	-1.24	-1.58	-1.43	-1.15	-1.05	-1.23
Efficiency (%)	80.40	79.20	75.90	78.90	78.00	75.20	69.50	71.90	76.70	78.50	75.40
Gain (dBi)	3.34	3.24	3.02	3.03	2.94	2.72	2.32	2.45	2.82	2.94	2.88
NHPRP $\pm\pi/4$ (dBm)	-1.24	-1.34	-1.56	-1.44	-1.55	-1.79	-2.23	-2.16	-1.94	-1.88	-2.06
NHPRP $\pm\pi/6$ (dBm)	-1.63	-1.73	-1.96	-1.85	-1.99	-2.26	-2.73	-2.68	-2.46	-2.38	-2.55
NHPRP $\pm\pi/8$ (dBm)	-2.02	-2.12	-2.35	-2.25	-2.39	-2.68	-3.17	-3.13	-2.89	-2.78	-2.92
Upper Hem. PRP (dBm)	-3.68	-3.66	-3.83	-3.70	-3.87	-4.13	-4.55	-4.42	-4.14	-4.09	-4.36
Lower Hem. PRP (dBm)	-4.26	-4.42	-4.63	-4.41	-4.32	-4.36	-4.64	-4.47	-4.19	-4.03	-4.12
Upper Hem. PRP (%)	42.88	43.08	41.44	42.66	41.05	38.61	35.06	36.12	38.51	39.02	36.67
Lower Hem. PRP (%)	37.51	36.15	34.46	36.20	36.96	36.64	34.40	35.77	38.14	39.52	38.74

