
Whip UHF ANTENNA

Model : TH-874



1. GENERAL DESCRIPTION

Model No
TH874-SMA90(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

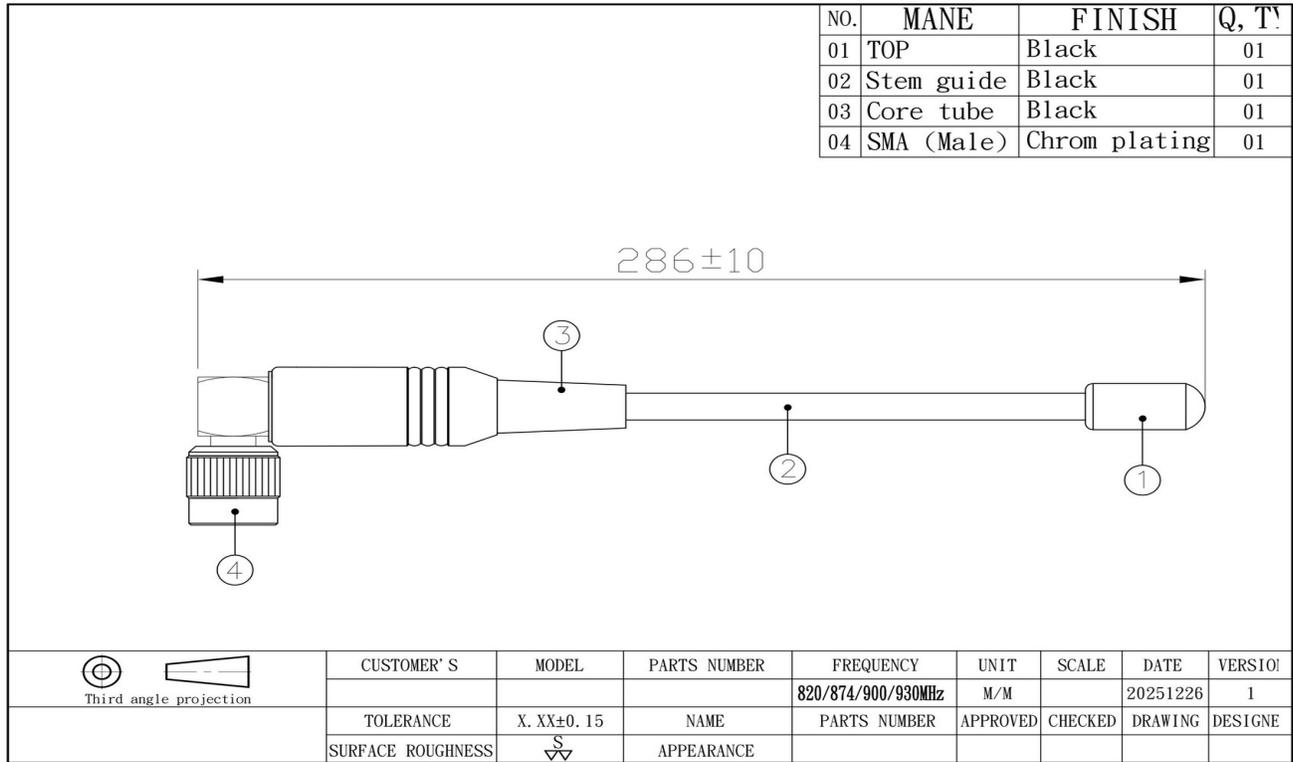
Parameter	Description
Frequency Band	820/874/900/930 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.2 : 1
Note: Gain includes the cable loss	

1.2 Mechanical Properties

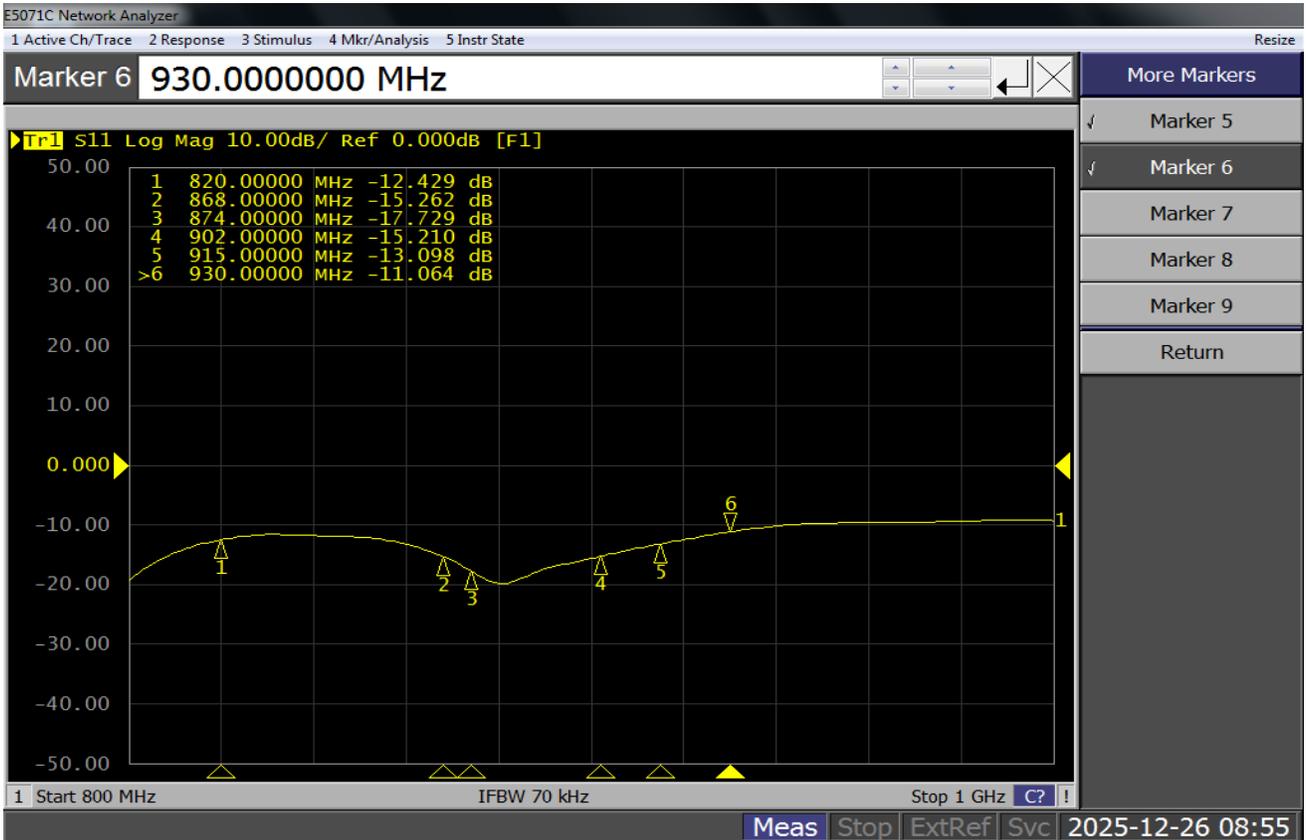
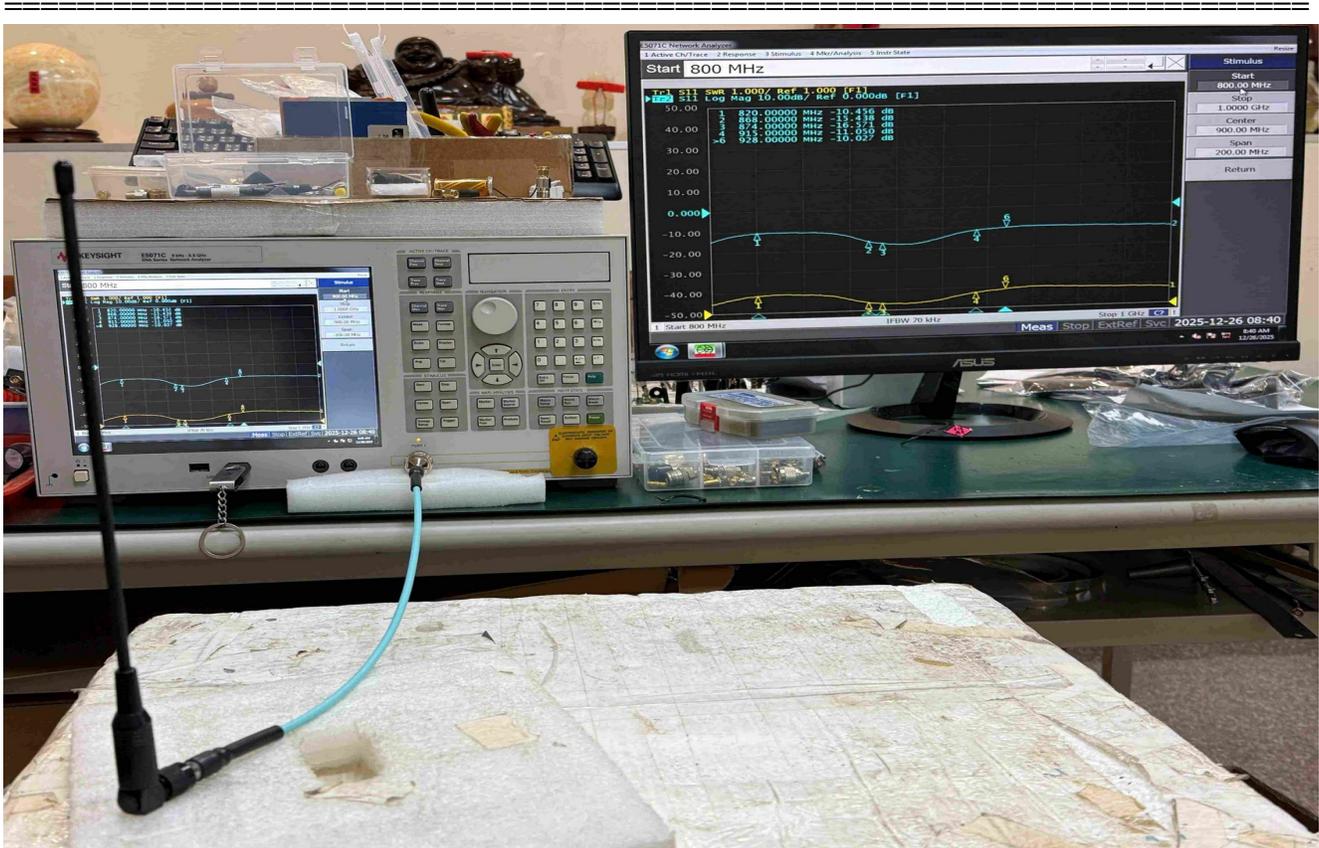
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA 90° (Male)
Antenna Dimensions	286 mm ± 10
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C

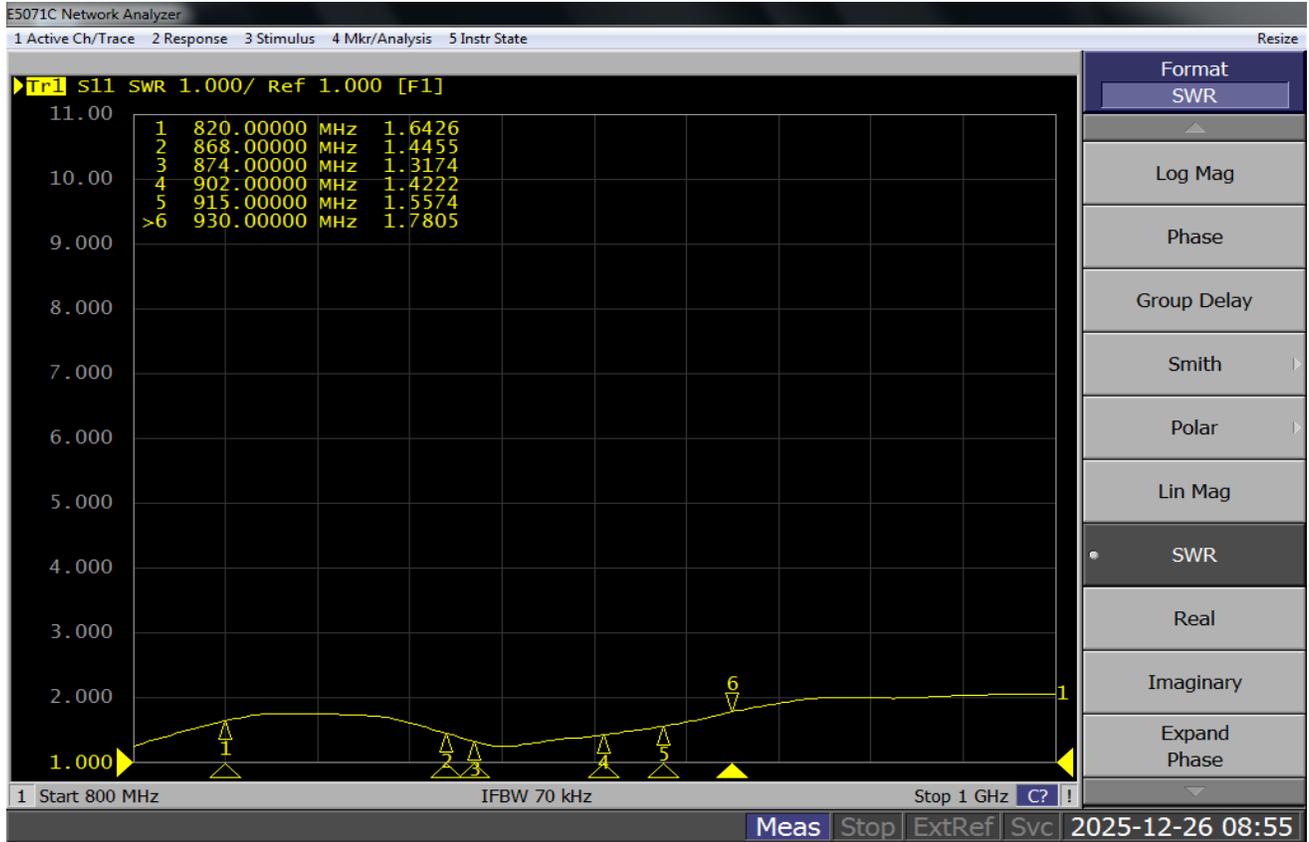
Storage Temperature Range	-30°C~+70°C
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2. Appearance



3. Frequency





▶ Tr1 S11 Smith (R+jX) Scale 1.000U [F1]

1	820.00000	MHz	30.195	Ω	-1.5496	Ω	125.25	pF
2	868.00000	MHz	37.226	Ω	10.292	Ω	1.8872	nH
3	874.00000	MHz	40.314	Ω	7.9720	Ω	1.4517	nH
4	902.00000	MHz	35.424	Ω	-869.30	m Ω	202.97	pF
5	915.00000	MHz	32.259	Ω	-973.40	m Ω	178.69	pF
>6	930.00000	MHz	28.260	Ω	960.74	m Ω	164.42	pH



Format
Smith (R+jX)

Log Mag

Phase

Group Delay

Smith
R + jX

Polar

Lin Mag

SWR

Real

Imaginary

Expand Phase

1 Start 800 MHz

IFBW 70 kHz

Stop 1 GHz C?

Meas

Stop

ExtRef

Svc

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