300K~2.5Ghz Gooseneck Antenna

MODEL: TH-100G-TNC(M)

1. GENERAL DESCRIPTION

Model No	P/N
TH-100G	TH100G-TNC(M)

Below is a table summarizing the antenna design specification.

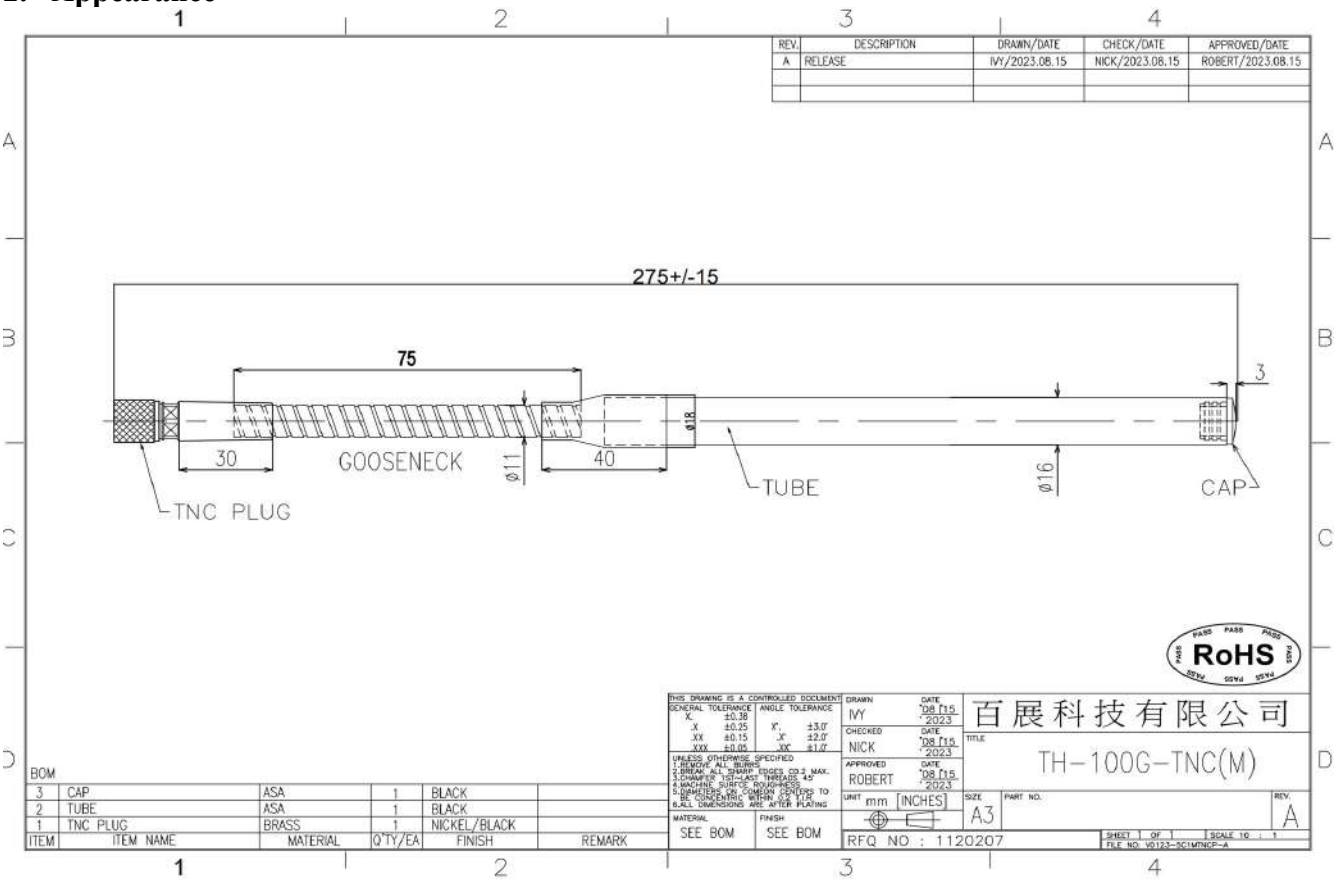
1.1 Electrical Properties

Parameter	Description
Frequency Band	300K~2500MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	0-3db

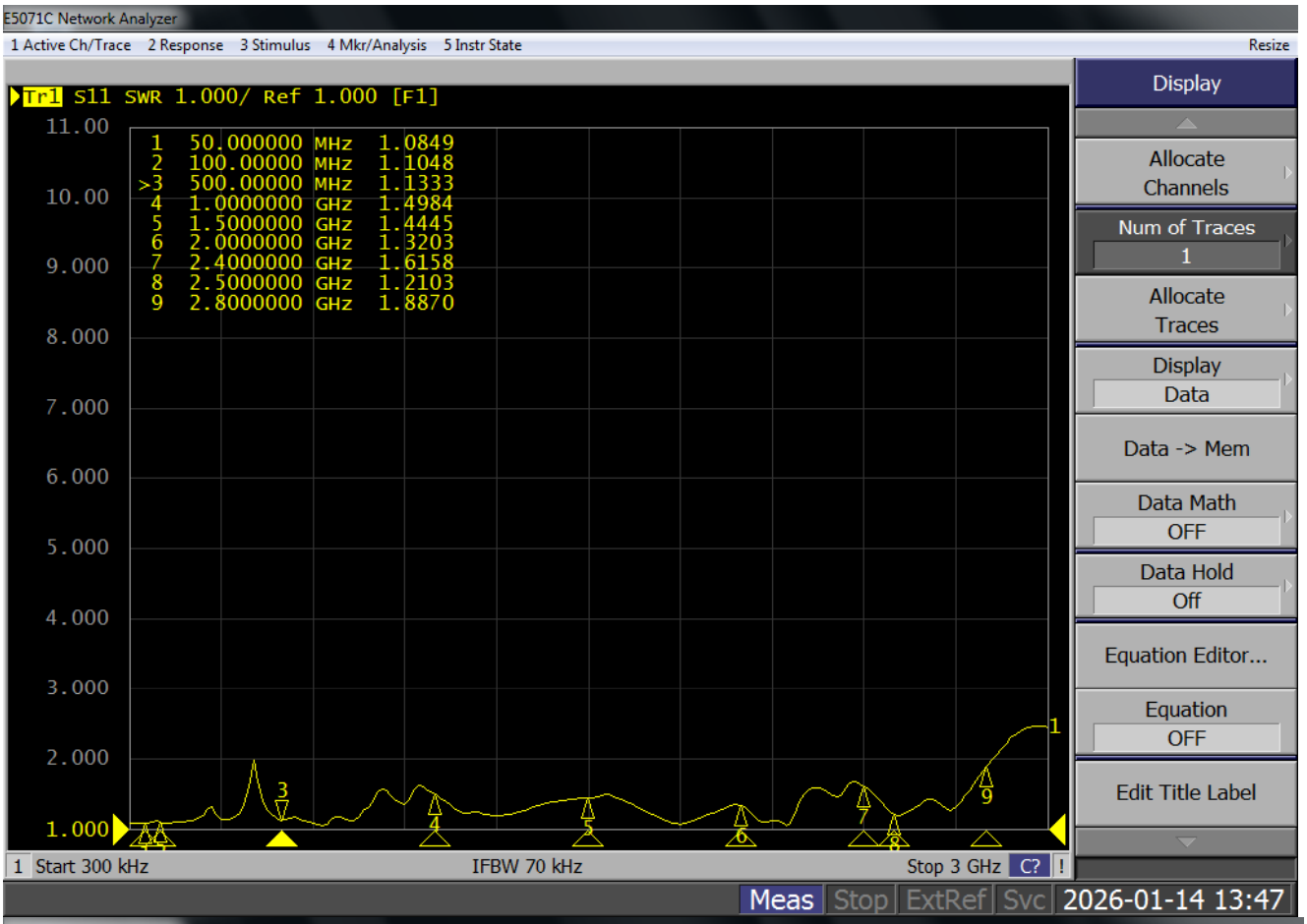
1.2 Mechanical Properties

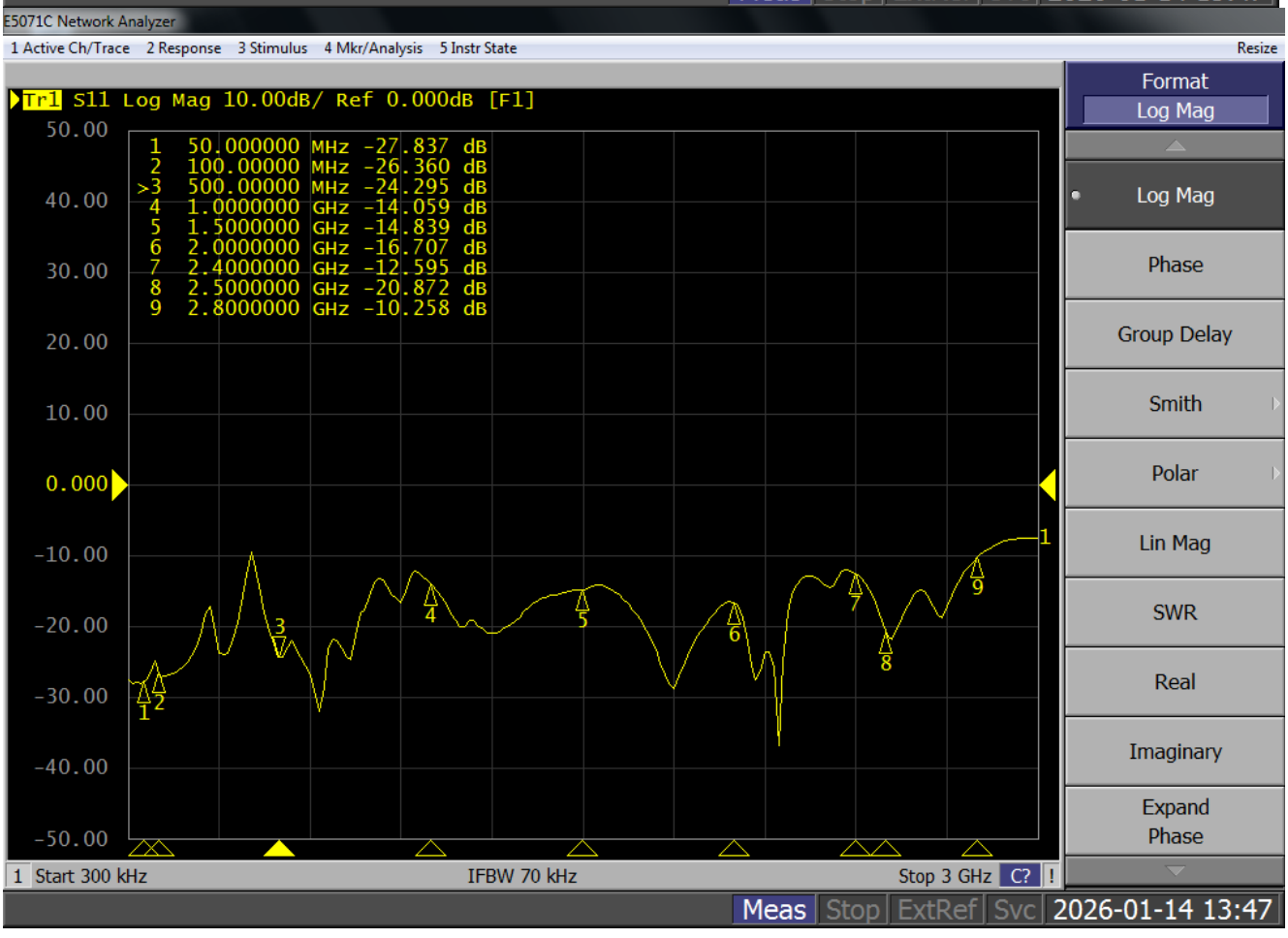
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	TNC(Male)
Antenna Dimensions	275mm ±15
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

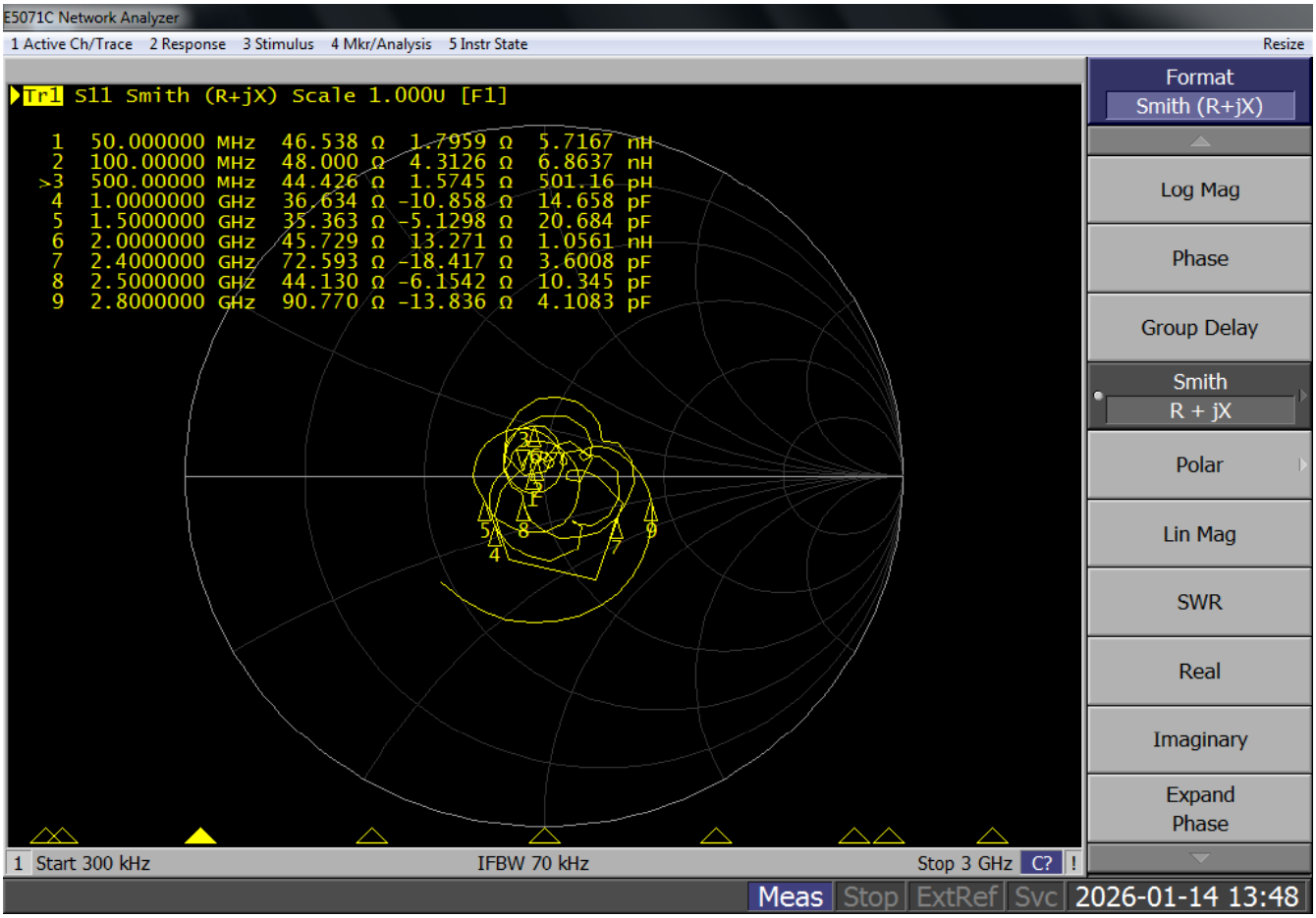
2. Appearance



3. Frequency


E5071C Network Analyzer
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
Resize
Tr1 S11 SWR 1.000/ Ref 1.000 [F1]
1 50.000000 MHz 1.0849
2 100.00000 MHz 1.1048
>3 500.00000 MHz 1.1333
4 1.0000000 GHz 1.4984
5 1.5000000 GHz 1.4445
6 2.0000000 GHz 1.3203
7 2.4000000 GHz 1.6158
8 2.5000000 GHz 1.2103
9 2.8000000 GHz 1.8870
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Start 300 kHz
IFBW 70 kHz
Stop 3 GHz
C?
!
Display
Allocate Channels
Num of Traces
1
Allocate Traces
Display
Data
Data -> Mem
Data Math
OFF
Data Hold
Off
Equation Editor...
Equation
OFF
Edit Title Label
Meas
Stop
ExtRef
Svc
2026-01-14 13:47


E5071C Network Analyzer
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
Resize
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]
1 50.000000 MHz -27.837 dB
2 100.00000 MHz -26.360 dB
>3 500.00000 MHz -24.295 dB
4 1.0000000 GHz -14.059 dB
5 1.5000000 GHz -14.839 dB
6 2.0000000 GHz -16.707 dB
7 2.4000000 GHz -12.595 dB
8 2.5000000 GHz -20.872 dB
9 2.8000000 GHz -10.258 dB
50.00
40.00
30.00
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
1 Start 300 kHz
IFBW 70 kHz
Stop 3 GHz
C?
!
Format
Log Mag
Log Mag
Phase
Group Delay
Smith
Polar
Lin Mag
SWR
Real
Imaginary
Expand Phase
Meas
Stop
ExtRef
Svc
2026-01-14 13:47


E5071C Network Analyzer
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
Resize
Tr1 S11 Smith (R+jX) Scale 1.000U [F1]
1 50.000000 MHz 46.538 Ω 1.7959 Ω 5.7167 nH
2 100.00000 MHz 48.000 Ω 4.3126 Ω 6.8637 nH
>3 500.00000 MHz 44.426 Ω 1.5745 Ω 501.16 pH
4 1.0000000 GHz 36.634 Ω -10.858 Ω 14.658 pF
5 1.5000000 GHz 35.363 Ω -5.1298 Ω 20.684 pF
6 2.0000000 GHz 45.729 Ω 13.271 Ω 1.0561 nH
7 2.4000000 GHz 72.593 Ω -18.417 Ω 3.6008 pF
8 2.5000000 GHz 44.130 Ω -6.1542 Ω 10.345 pF
9 2.8000000 GHz 90.770 Ω -13.836 Ω 4.1083 pF
Format
Smith (R+jX)
Log Mag
Phase
Group Delay
Smith
R + jX
Polar
Lin Mag
SWR
Real
Imaginary
Expand
Phase
1 Start 300 kHz
IFBW 70 kHz
Stop 3 GHz
C?
!
Meas
Stop
ExtRef
Svc
2026-01-14 13:48