AM/FM/VHF/UHF Gooseneck Antenna

MODEL: TH-50P-N(M)

1. GENERAL DESCRIPTION

Model No	P/N
TH-50P	TH50P-N(M)

Below is a table summarizing the antenna design specification.

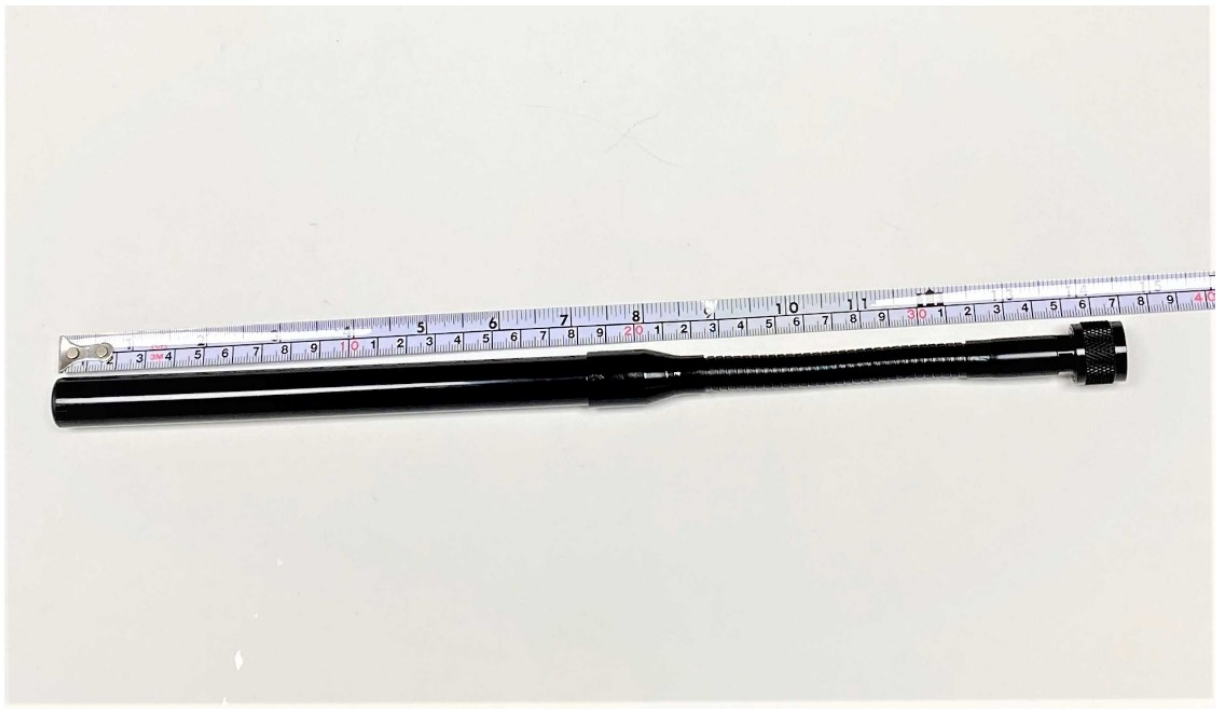
1.1 Electrical Properties

Parameter	Description
Frequency Band	300K~400MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0：1
Gain	3db

1.2 Mechanical Properties

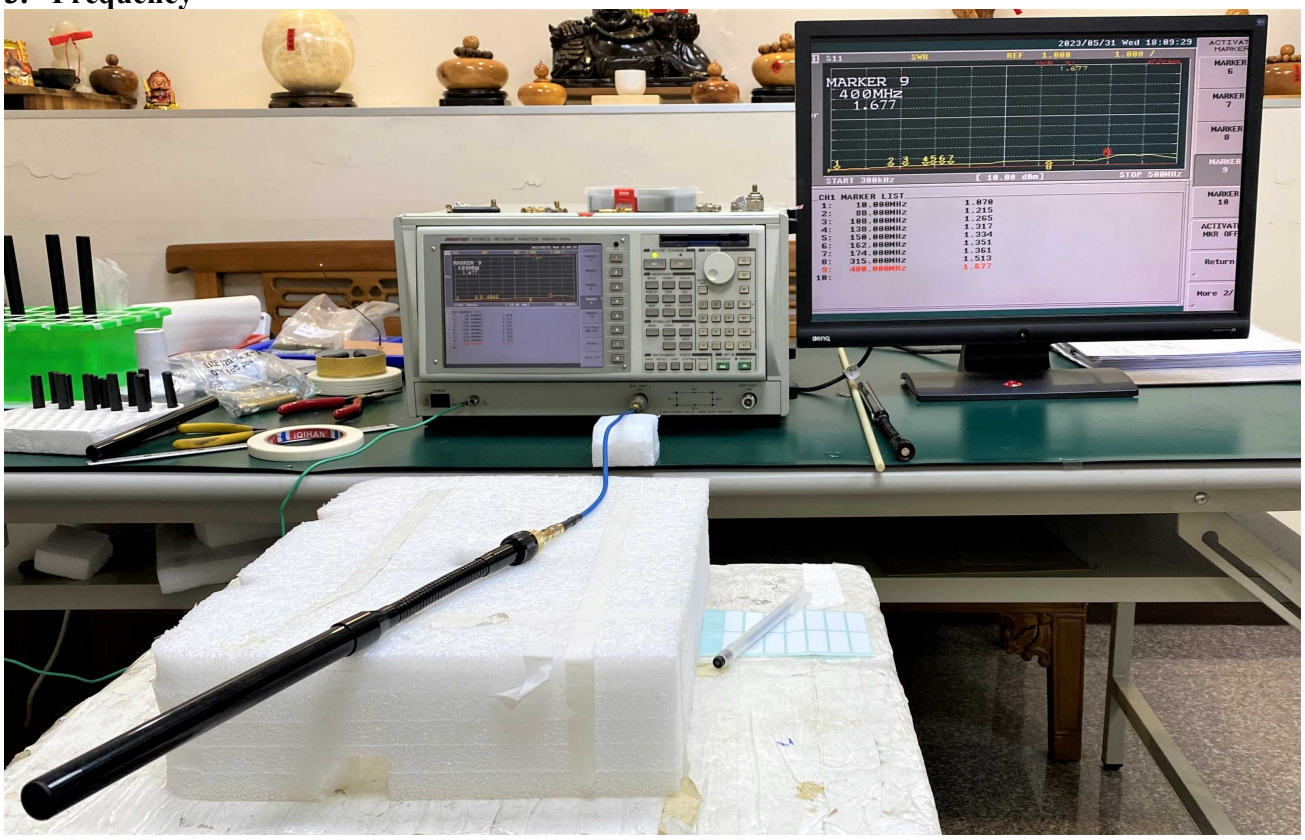
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	N(Male)
Antenna Dimensions	370mm ±15
Antenna Color	Black
Operating Temperature Range	-30˚C~+80˚C
Storage Temperature Range	-30˚C~+80˚C

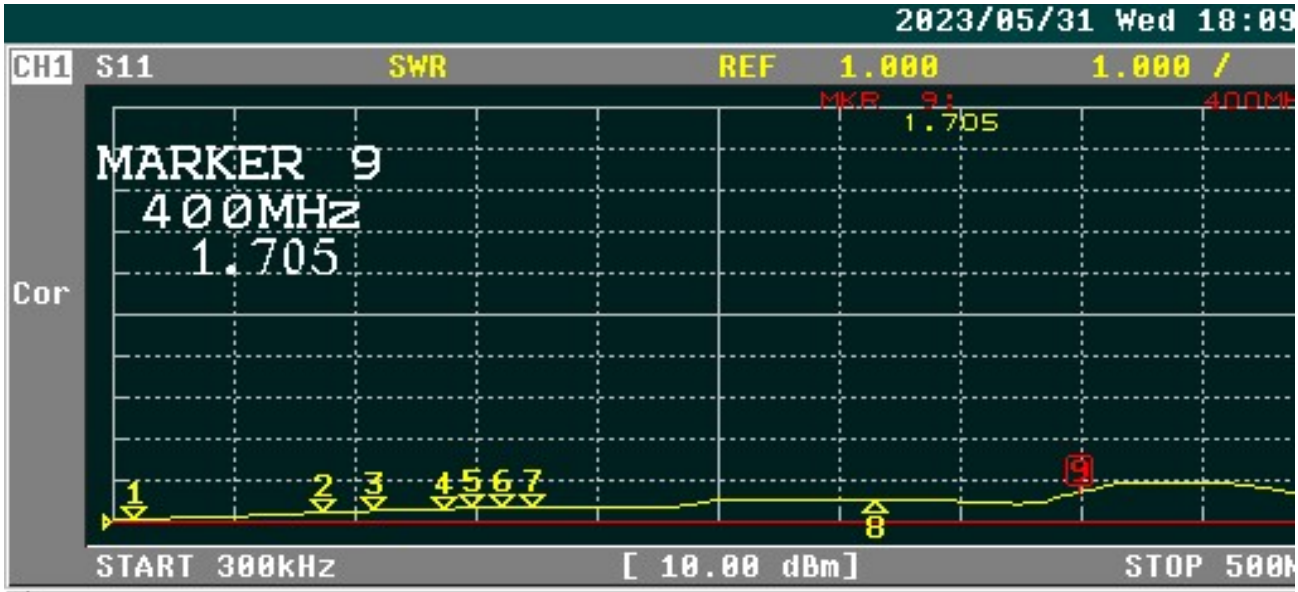
2. Appearance



	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
Third angle projection					M/M			1
	TOLERANCE	X.XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	S	APPEARANCE					

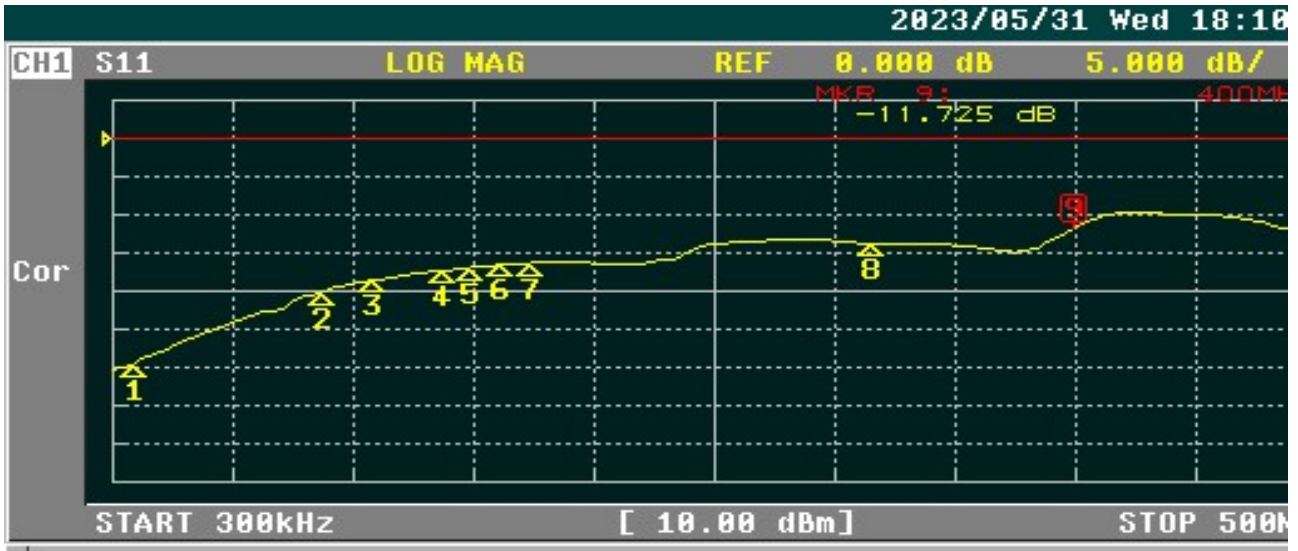
3. Frequency





CH1 MARKER LIST

1:	10.000MHz	1.070
2:	88.000MHz	1.216
3:	108.000MHz	1.265
4:	138.000MHz	1.316
5:	150.000MHz	1.334
6:	162.000MHz	1.350
7:	174.000MHz	1.360
8:	315.000MHz	1.510



CH1 MARKER LIST

1:	10.000MHz	-29.326 dB
2:	88.000MHz	-20.219 dB
3:	108.000MHz	-18.626 dB
4:	138.000MHz	-17.279 dB
5:	150.000MHz	-16.877 dB
6:	162.000MHz	-16.516 dB
7:	174.000MHz	-16.318 dB
8:	315.000MHz	-13.762 dB

CH1 MARKER LIST

1:	10.000MHz	53.436 Ω	843.631mΩ	13.426nH
2:	88.000MHz	60.625 Ω	1.813 Ω	3.279nH
3:	108.000MHz	63.133 Ω	-1.770 Ω	832.314pF
4:	138.000MHz	63.205 Ω	-8.093 Ω	142.495pF
5:	150.000MHz	62.127 Ω	-10.664 Ω	99.492pF
6:	162.000MHz	60.302 Ω	-12.987 Ω	75.647pF
7:	174.000MHz	57.998 Ω	-14.623 Ω	62.548pF
8:	315.000MHz	33.489 Ω	-4.366 Ω	115.702pF