FM/VHF/UHF Gooseneck Antenna

MODEL: TH-100P-N(M)

1. GENERAL DESCRIPTION

Model No	P/N
TH-100P	TH100P-N(M)

Below is a table summarizing the antenna design specification.

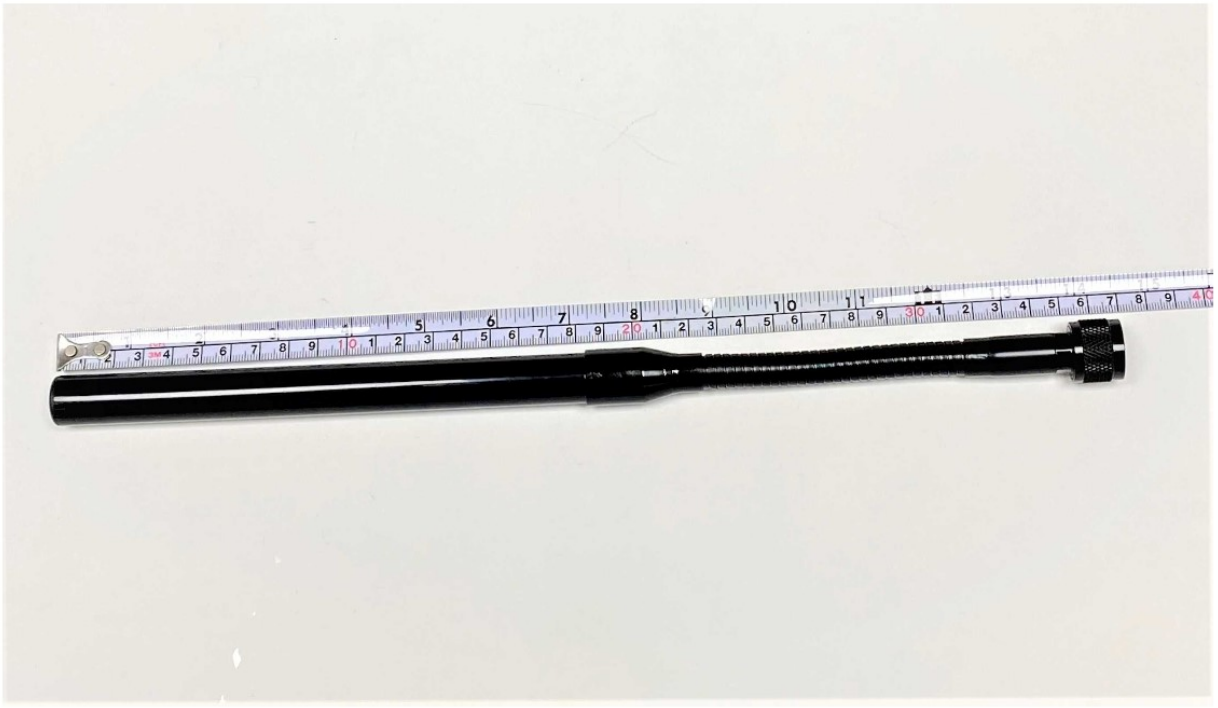
1.1 Electrical Properties

Parameter	Description
Frequency Band	50M~520MHz
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

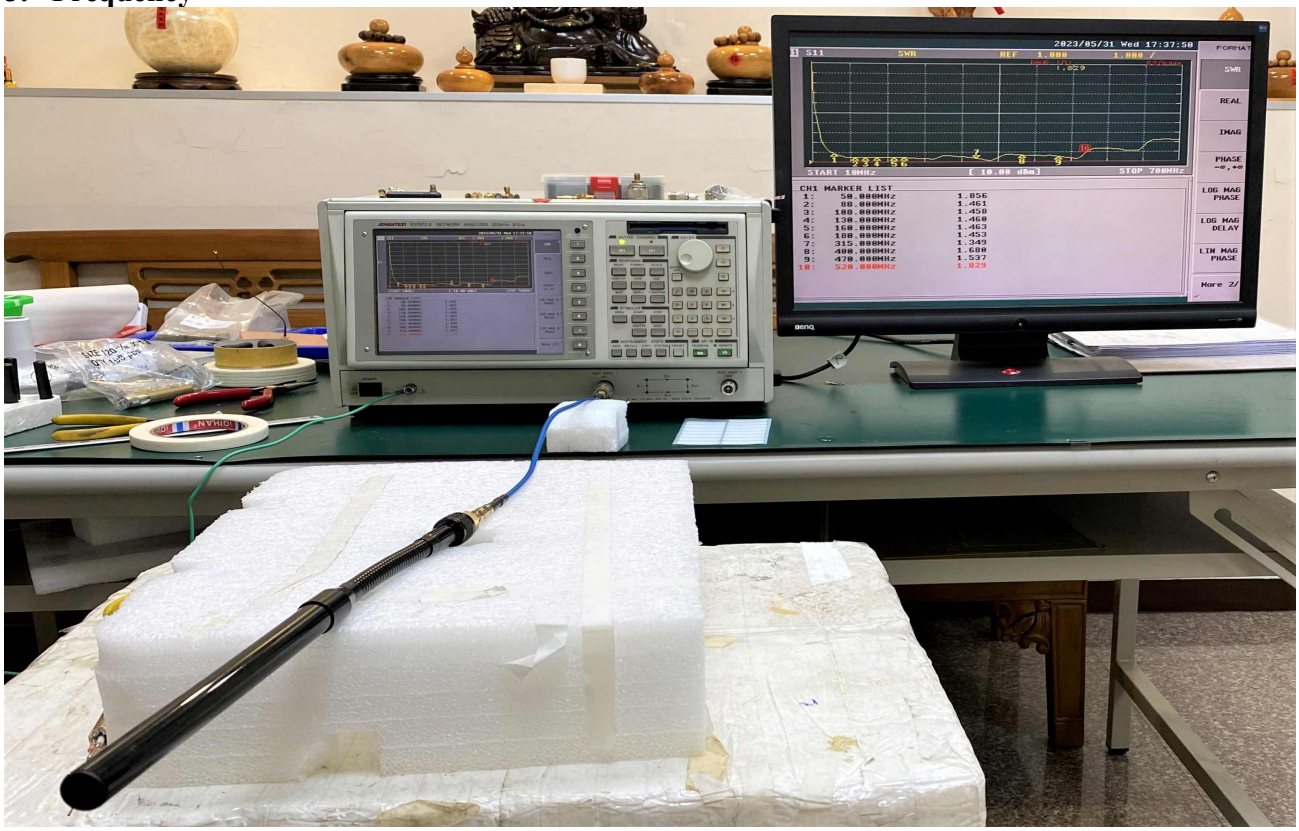
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	N(Male)
Antenna Dimensions	370mm ±15
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

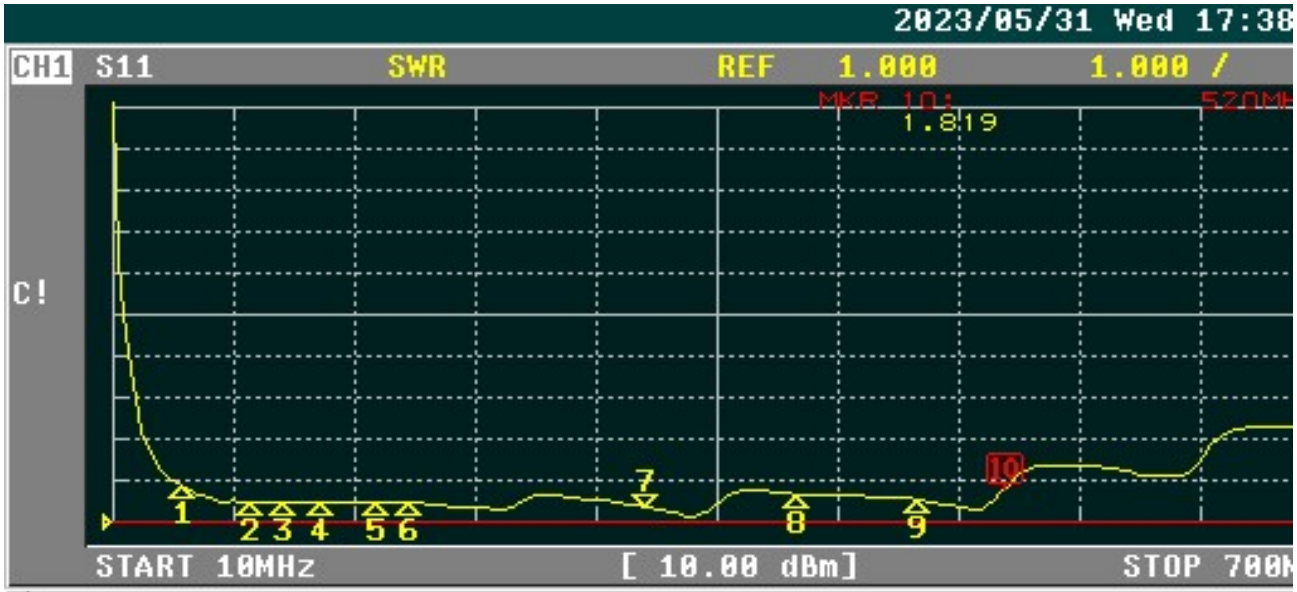
2. Appearance



	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					

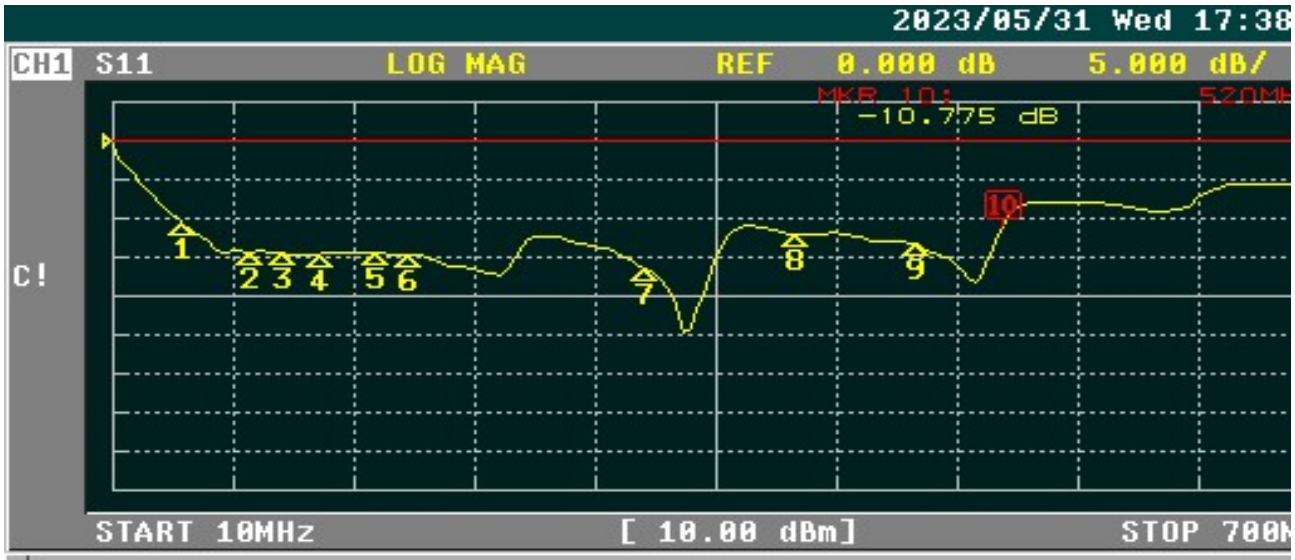
3. Frequency





CH1 MARKER LIST

1:	50.000MHz	1.855
2:	88.000MHz	1.466
3:	108.000MHz	1.459
4:	130.000MHz	1.461
5:	160.000MHz	1.463
6:	180.000MHz	1.453
7:	315.000MHz	1.353
8:	400.000MHz	1.673



CH1 MARKER LIST

1:	50.000MHz	-10.519 dB
2:	88.000MHz	-14.457 dB
3:	108.000MHz	-14.577 dB
4:	130.000MHz	-14.549 dB
5:	160.000MHz	-14.502 dB
6:	180.000MHz	-14.674 dB
7:	315.000MHz	-16.370 dB
8:	400.000MHz	-12.089 dB

CH1 MARKER LIST

1:	50.000MHz	40.386 Ω	-26.410 Ω	120.524pF
2:	88.000MHz	49.653 Ω	-19.211 Ω	94.138pF
3:	108.000MHz	49.836 Ω	-18.979 Ω	77.647pF
4:	130.000MHz	49.442 Ω	-18.953 Ω	64.593pF
5:	160.000MHz	48.021 Ω	-18.712 Ω	53.157pF
6:	180.000MHz	46.538 Ω	-17.821 Ω	49.614pF
7:	315.000MHz	37.249 Ω	-4.012 Ω	125.925pF
8:	400.000MHz	31.152 Ω	7.750 Ω	3.083nH