

# Iridium Gooseneck Antenna

**MODEL: TH-1626-TNC(M)**



## 1. GENERAL DESCRIPTION

Model No	P/N
TH-1626	TH1626-TNC(M)

Below is a table summarizing the antenna design specification.

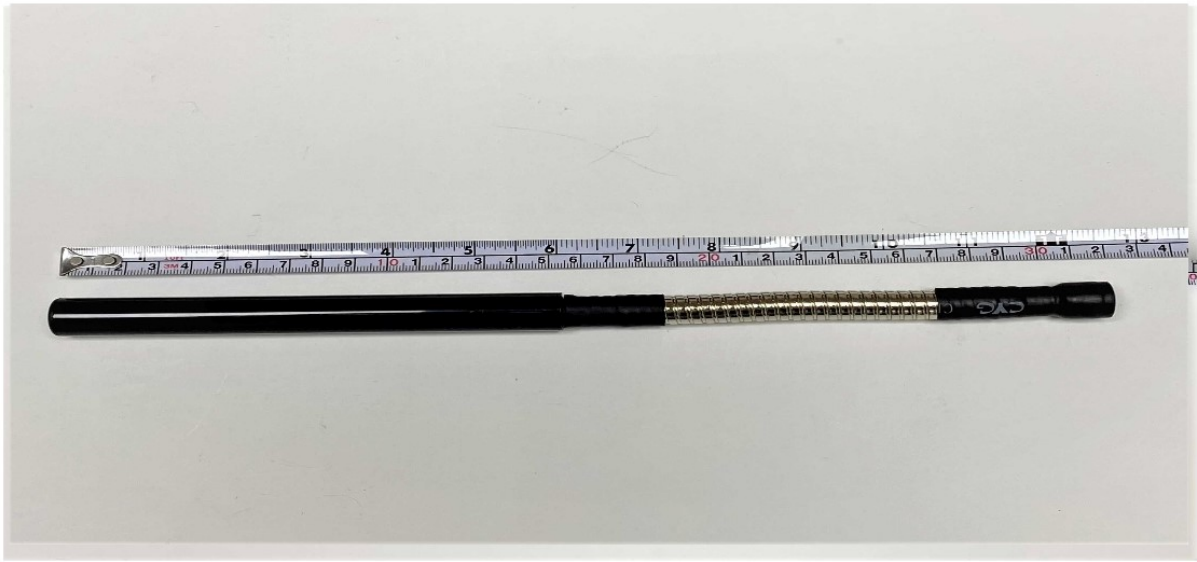
### 1.1 Electrical Properties


Parameter	Description
Frequency Band	1.6~1.65Ghz
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	TNC 180°(Male)
Antenna Dimensions	318mm ±20
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

## 2. Appearance



 Third angle projection	CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
					M/M			1
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	$\sqrt{S}$	APPEARANCE					

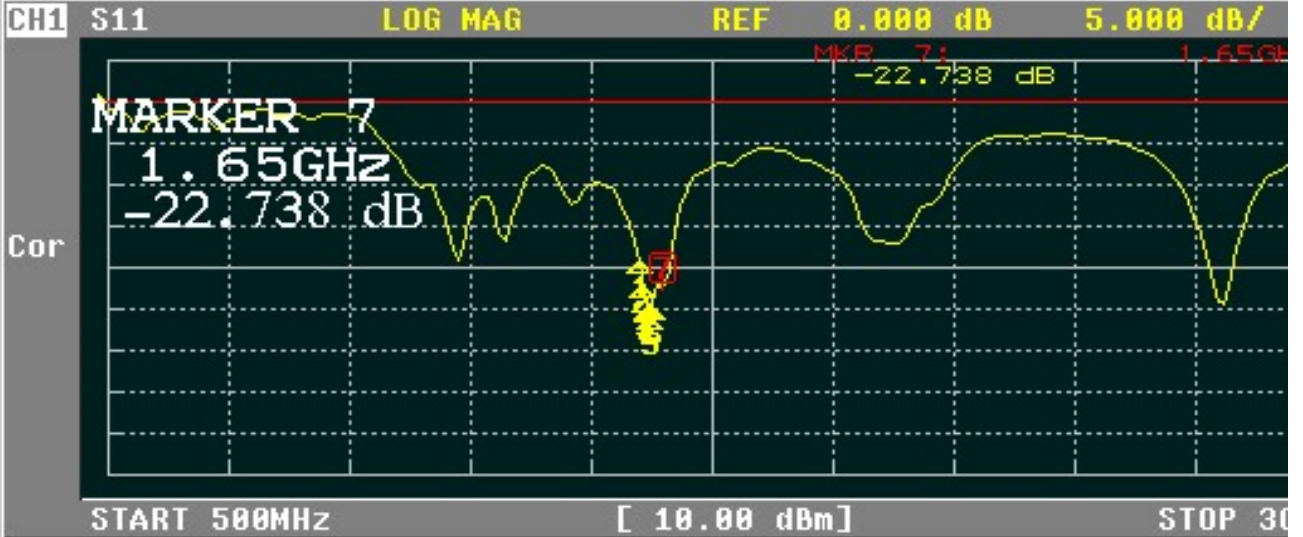
## 3. Frequency



The VNA screen displays the following data:

CH1 MARKER LIST	Value
1: 1.000 000GHz	-19.223 dB
2: 1.010 000GHz	-22.439 dB
3: 1.015 000GHz	-24.860 dB
4: 1.020 000GHz	-25.881 dB
5: 1.025 000GHz	-25.823 dB
6: 1.030 000GHz	-24.363 dB
7: 1.035 000GHz	-22.489 dB

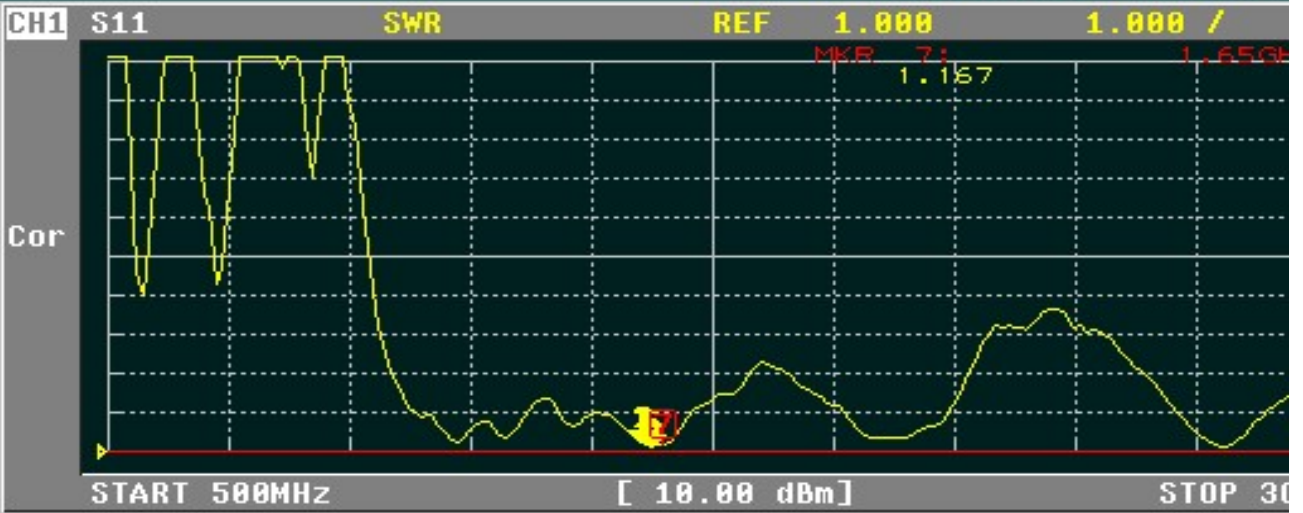
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CH1 MARKER LIST

1:	1.600 000GHz	-19.196 dB
2:	1.610 000GHz	-22.250 dB
3:	1.616 000GHz	-23.827 dB
4:	1.620 000GHz	-24.757 dB
5:	1.626 000GHz	-25.586 dB
6:	1.630 000GHz	-24.251 dB
7:	1.650 000GHz	-22.738 dB
8:		
9:		

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CH1 MARKER LIST

1:	1.600 000GHz	1.255
2:	1.610 000GHz	1.178
3:	1.616 000GHz	1.147
4:	1.620 000GHz	1.133
5:	1.626 000GHz	1.122
6:	1.630 000GHz	1.146
7:	1.650 000GHz	1.167
8:		
9:		

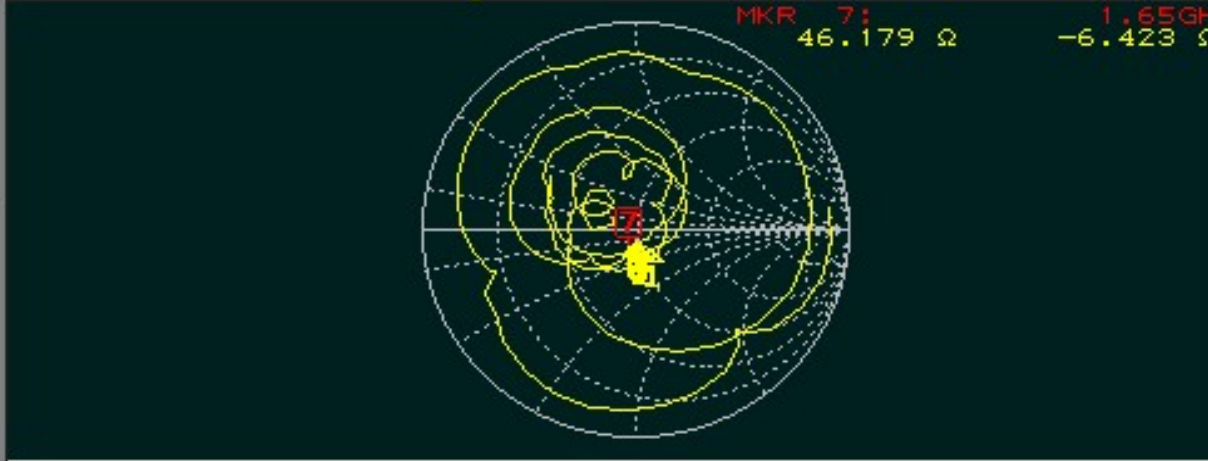
CH1 S11

SMITH(R+jX)

FS 1.000

MKR 7: 1.65 GHz  
46.179 Ω -6.423 Ω

Cor



START 500MHz

[ 10.00 dBm]

STOP 30

CH1 MARKER LIST

1:	1.600 000GHz	56.795 Ω	-10.127 Ω	9.822pF
2:	1.610 000GHz	51.878 Ω	-7.937 Ω	12.454pF
3:	1.616 000GHz	50.361 Ω	-6.904 Ω	14.264pF
4:	1.620 000GHz	49.958 Ω	-6.295 Ω	15.606pF
5:	1.626 000GHz	49.236 Ω	-5.736 Ω	17.062pF
6:	1.630 000GHz	48.385 Ω	-6.477 Ω	15.073pF
7:	1.650 000GHz	46.179 Ω	-6.423 Ω	15.015pF
8:				
9:				