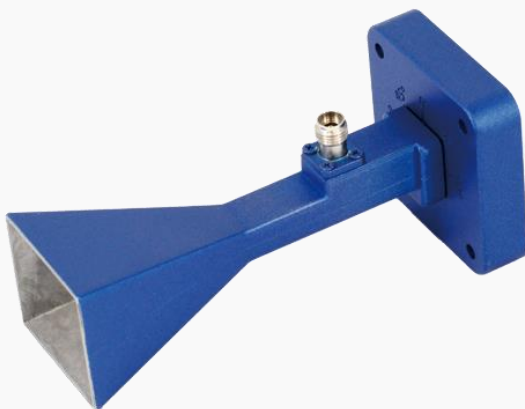


# Standard Gain Horn Antenna

26.5 to 40 GHz, 17 dBi



**Microwave Farm's Standard Gain Horn Antenna** operates in the frequency range from 26.5 GHz to 40 GHz. This gain horn antenna have nominal gain of 17.0 dBi and Horizontal 3 dB beam width of 27.4 degrees and Vertical 3 dB beam width of 22.1 degrees. This antenna can be rotated to the desired angle by pulling and rotating it.



## ■ Features

- Rectangular Waveguide Interface
- Freq. range : 26.5 to 40 GHz
- Nominal Gain : 17 dBi

## ■ Configuration

- Design : Standard Gain Horn
- Pattern : Directional
- Polarization : Linear
- Coaxial interface : 2.92 mm(Female)

## ■ Specification

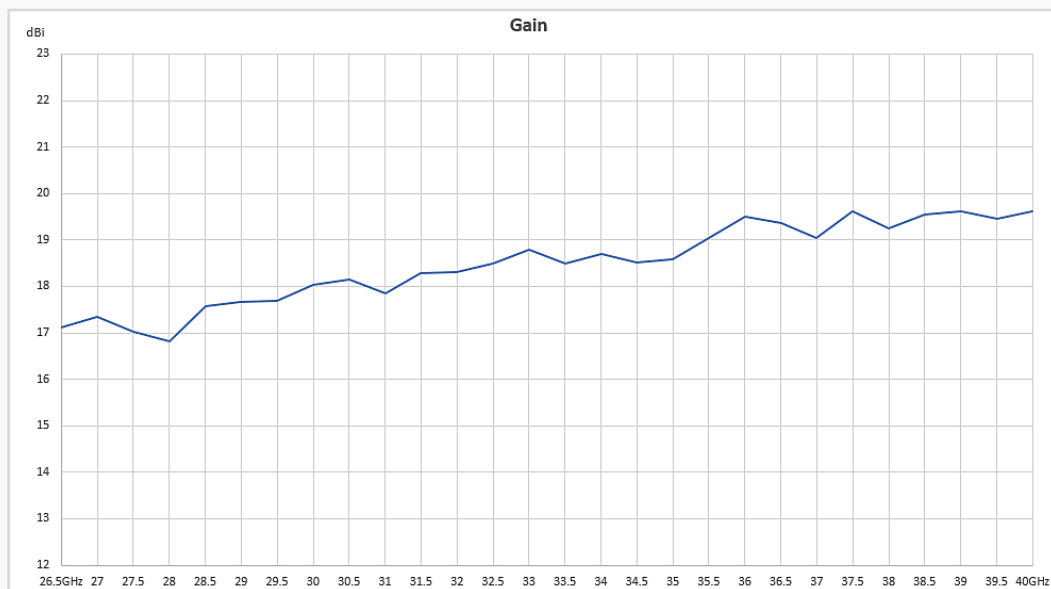
Scope	Specification	MFWAKH-01
<b>Electrical</b>	Freq. Range	26.5 to 40 GHz
	Impedance	50 Ohm
	Gain	17~19 dBi
	Horizontal 3 dB beam width	20 ± 5°
	Vertical 3 dB beam width	16 ± 5°
	Input VSWR	1.5 : 1
<b>Mechanical</b>	Connector type	2.92 mm(Female)
	Wave guide Size	91.4 x 40 x 40 (with bracket)
	Flange type	Square Cover
	Weight	60 g

# Standard Gain Horn Antenna

26.5 to 40 GHz, 17 dBi



## Gain Graph



## Gain Table

Frequency(GHz)	Gain (dB)
26.5	17.12
27.0	17.35
28.0	16.82
29.0	17.66
30.0	18.04
31.0	17.86
32.0	18.31
33.0	18.78
34.0	18.71
35.0	18.58
36.0	19.49
37.0	19.04
38.0	19.26
39.0	19.61
40.0	19.62

# Standard Gain Horn Antenna

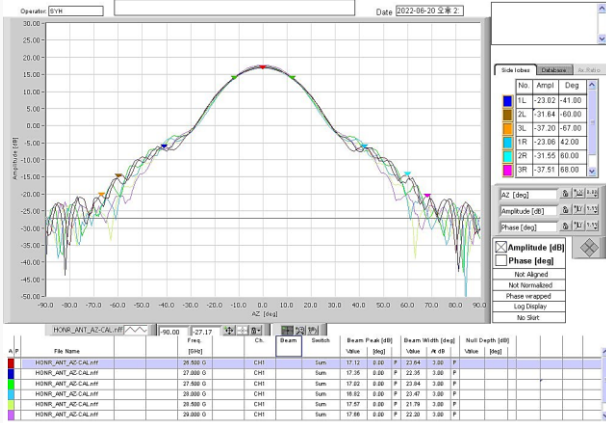
26.5 to 40 GHz, 17 dBi



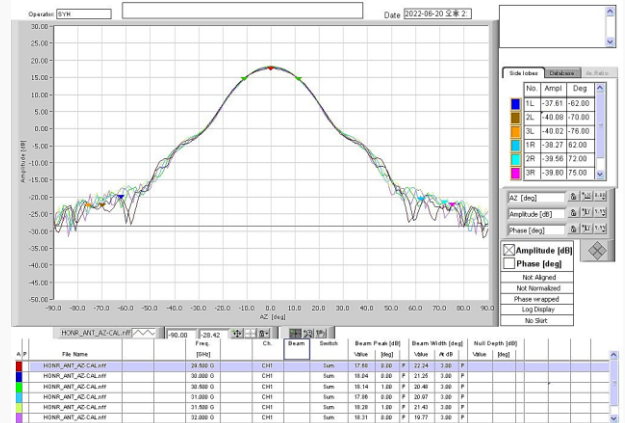
## Pattern

### Horizontal Patterns

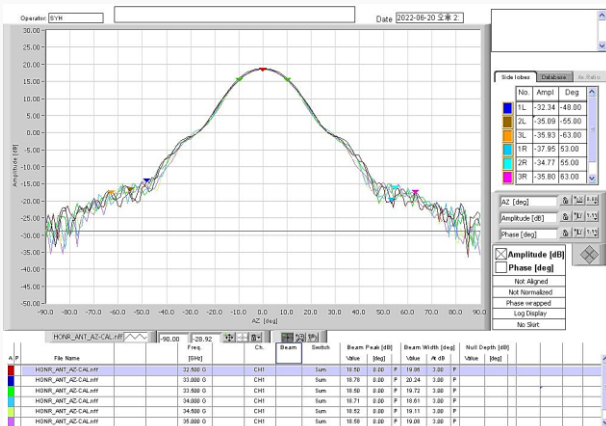
26.5 to 29 GHz



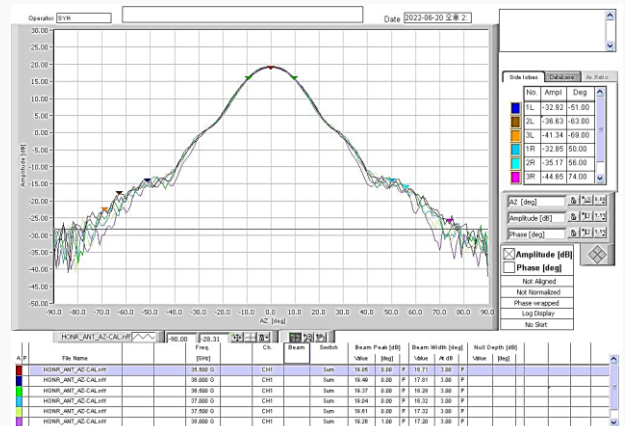
29.5 to 32 GHz



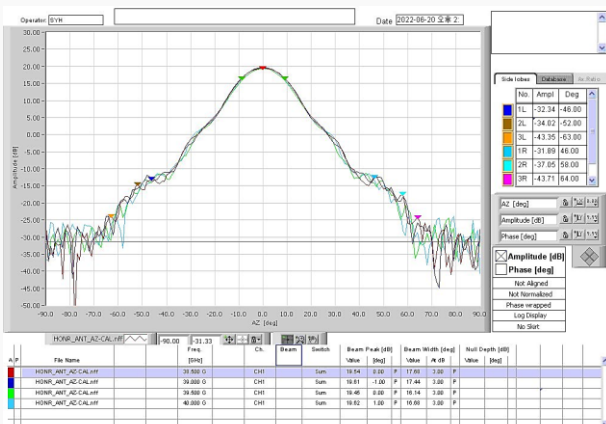
32.5 to 35 GHz



35.5 to 38 GHz



38.5 to 40 GHz



# Standard Gain Horn Antenna

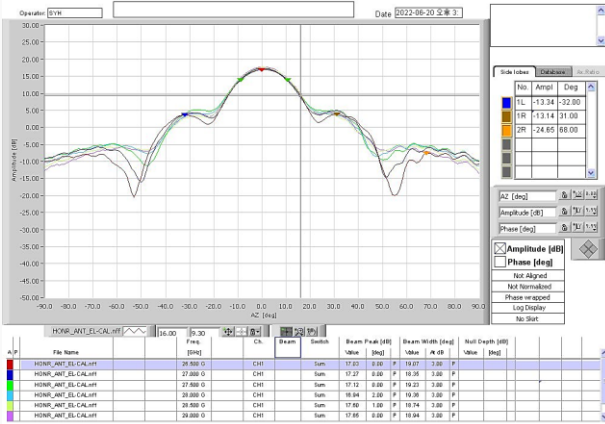
26.5 to 40 GHz, 17 dBi



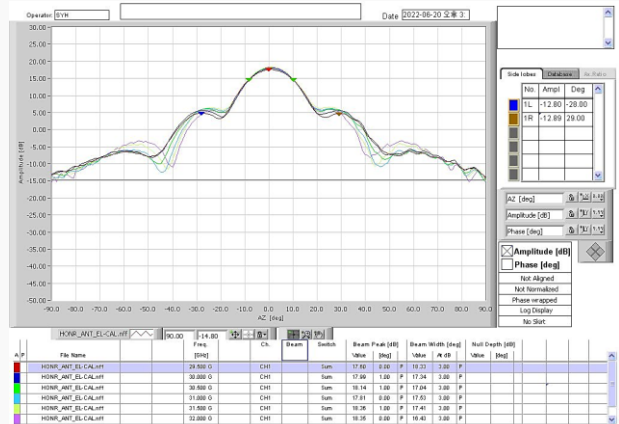
## Pattern

### Vertical Patterns

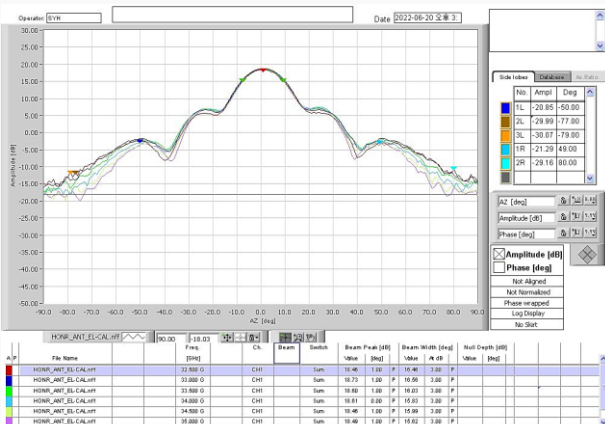
26.5 to 29 GHz



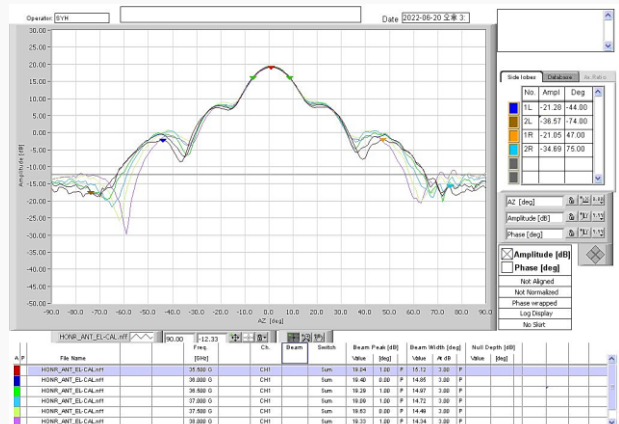
29.5 to 32 GHz



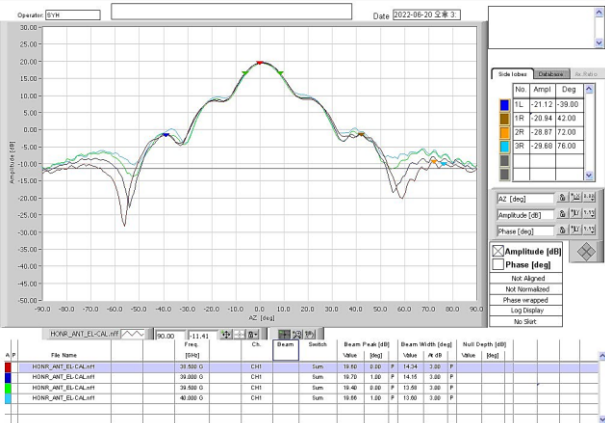
32.5 to 35 GHz



35.5 to 38 GHz



38.5 to 40 GHz



# Standard Gain Horn Antenna

26.5 to 40 GHz, 17 dBi



## ■ VSWR

Freq. range: 26.5 to 40 GHz



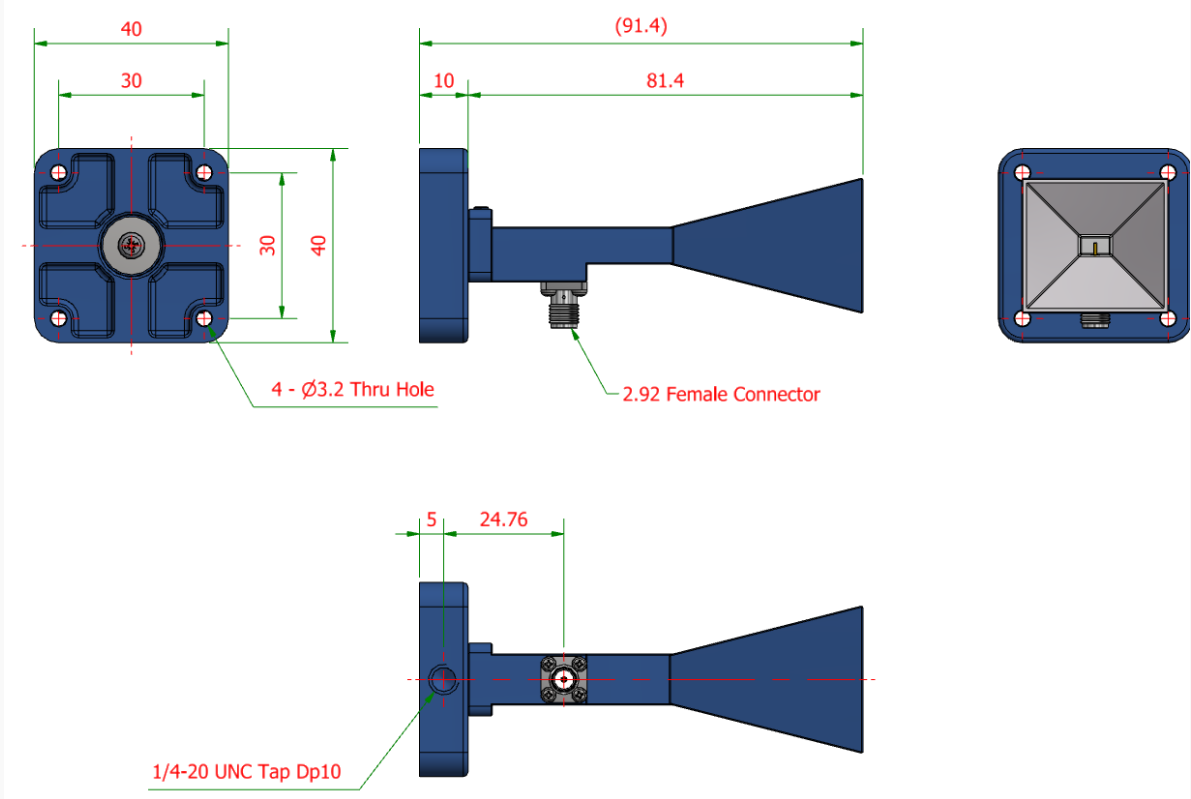
# Standard Gain Horn Antenna

26.5 to 40 GHz, 17 dBi



## ■ Drawing

Unit : mm



# Standard Gain Horn Antenna

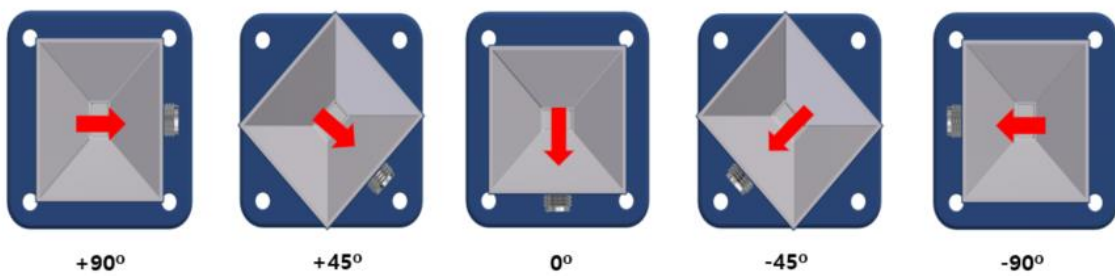
26.5 to 40 GHz, 17 dBi



## Instrument design



\*Antenna can be rotated to the desired angle by pulling and rotating it



\*\* Depending on the size of the tripod, installation may not be possible. Please check the drawing dimensions.