

# MRS262L ANTENNA

## Antenna Specification

2025/03/25

V1.0

# Production Specification

Company: Possumic Technology Co.,Ltd

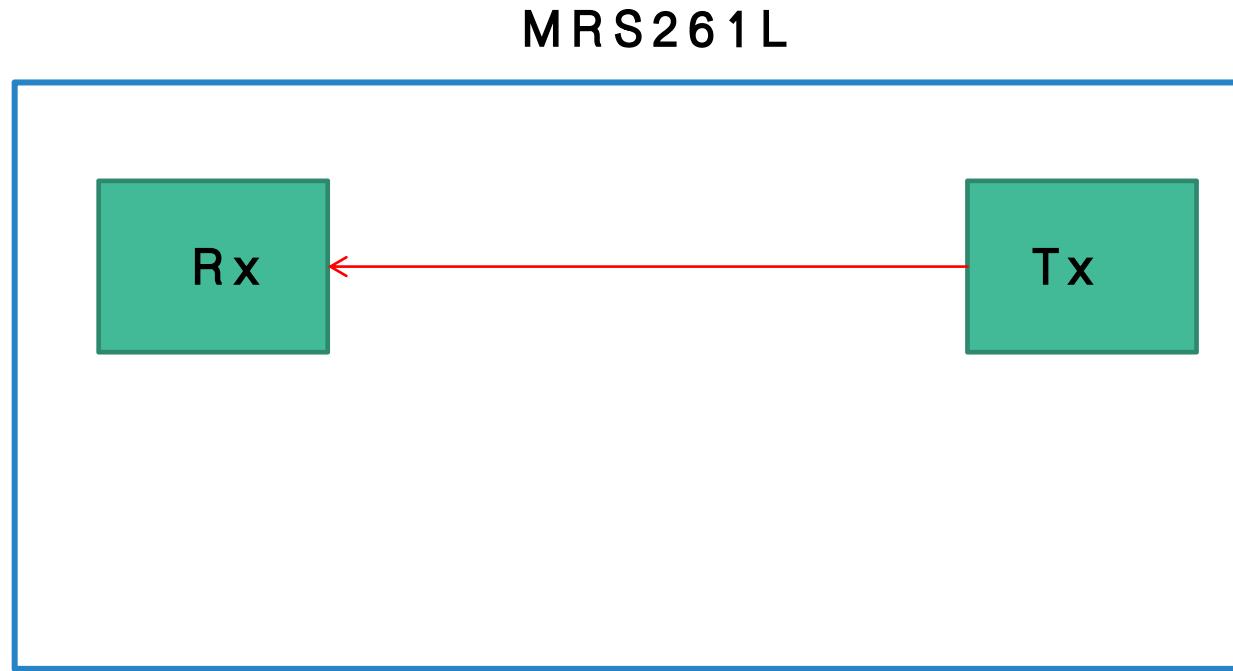
Addr: Room 603, Building B, Creative Cloud, No. 1 Gangwan, Tangjiawan

Model Name: MRS262L

Model Size: 12mm(Length)X8mm(Width)X1.3mm(Thickness)

Antenna Type: Patch Antenna

MRS261L 1T1R( $\text{Tx} \rightarrow \text{Rx}$ ) Gain and Radiation Pattern

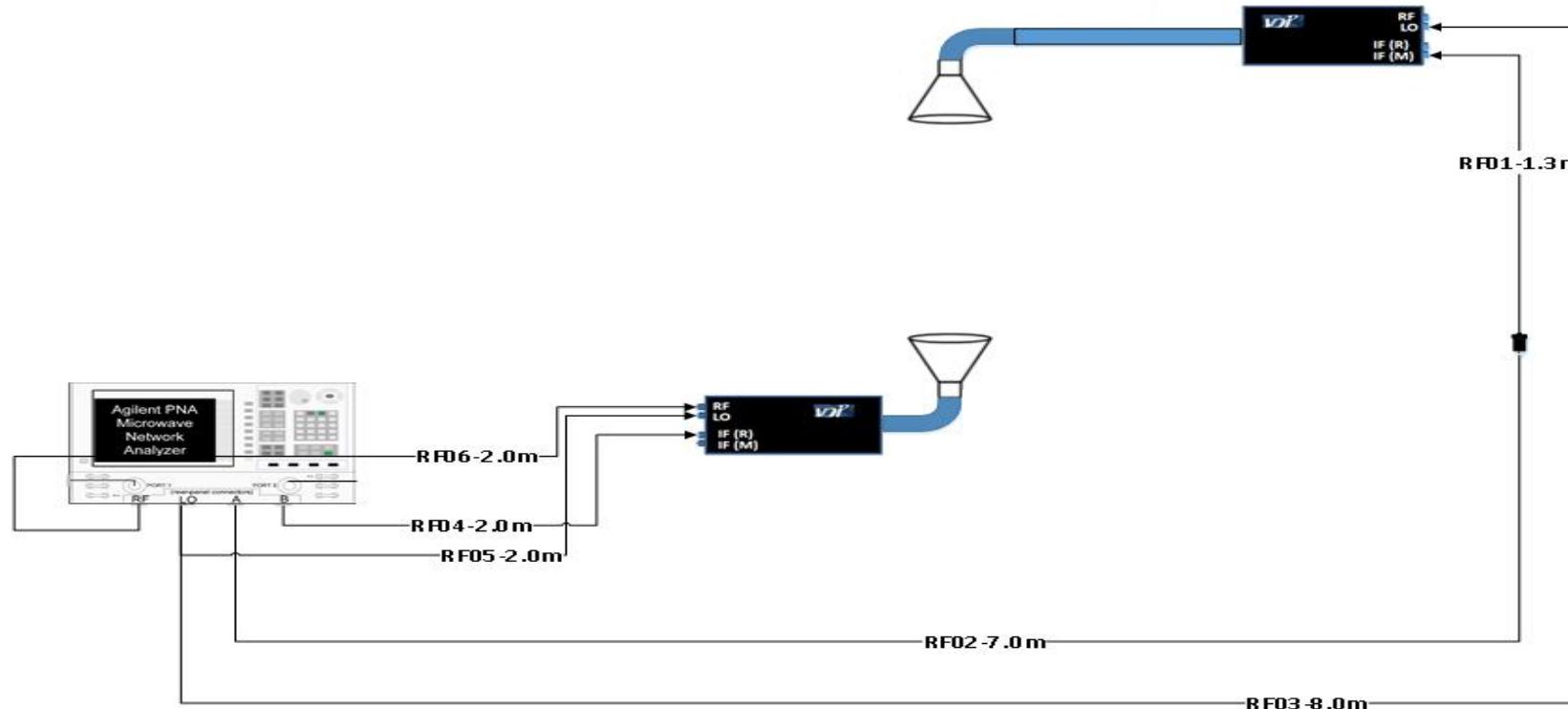


# ANTENNA TEST PRINCIPLE AND METHOD

**Principle:** Conservation, that is, the signal power received by Rx is equal to the power lost in the energy space when the Tx transmit power is lost.

**Gain test method:** Comparison method, using the equal power loss in space, replacing the Rx antenna with a horn antenna for reception to obtain the Rx antenna gain.

**Directional pattern test method:** Use angular reflection to collect level values in different directions, and then obtain a normalized pattern.





# ANT GAIN RESULTS

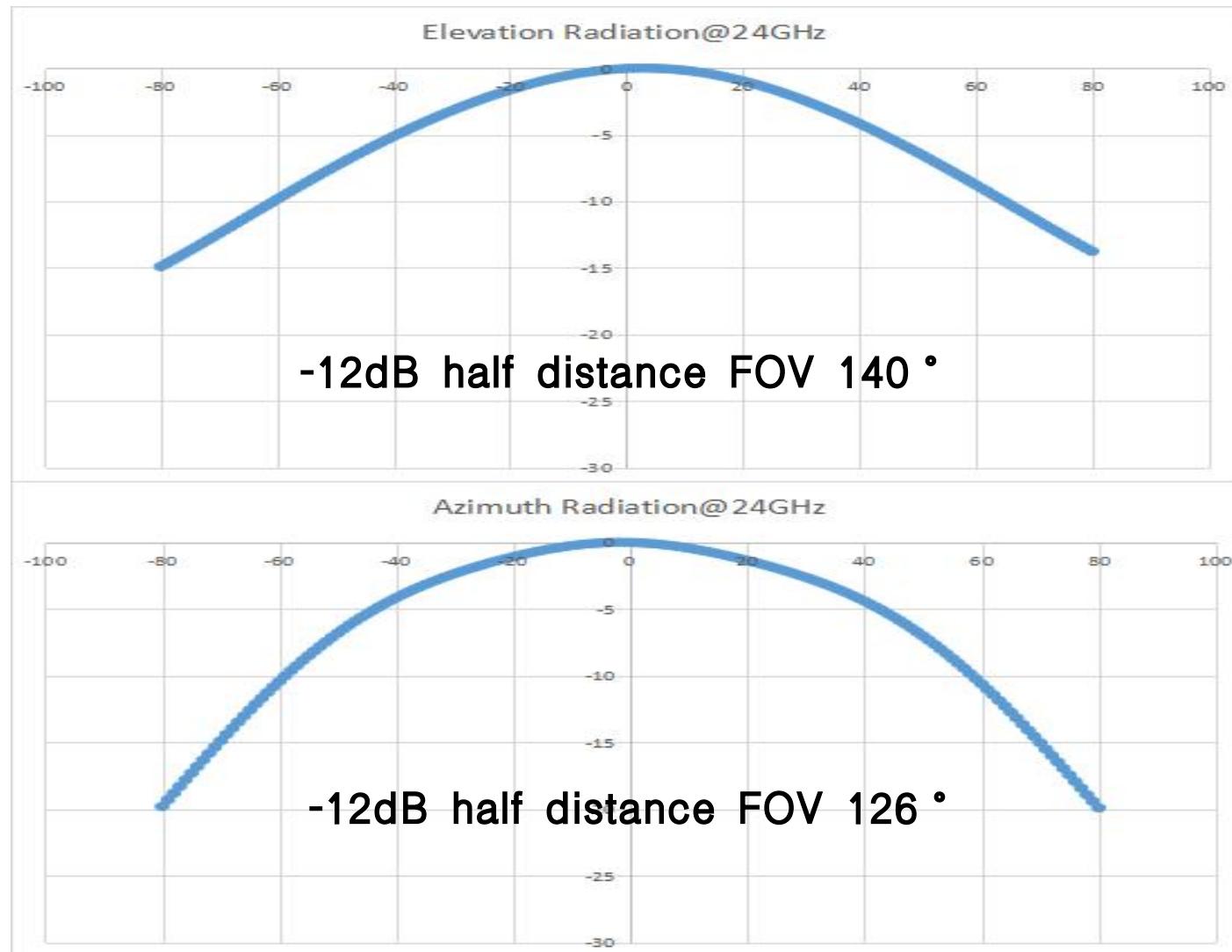
ANT Gain = EIRP - Tx Output Power

Frequency	EIRP	Tx Output Power	ANT Gain
24.00GHz	12.9dBm	9.0dBm	3.9dB
24.25GHz	12.6dBm	8.8dBm	3.8dB



# MRS261L RADIATION PATTERN

Tx -Rx Loop Gain



Unit: mm

