

# 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)

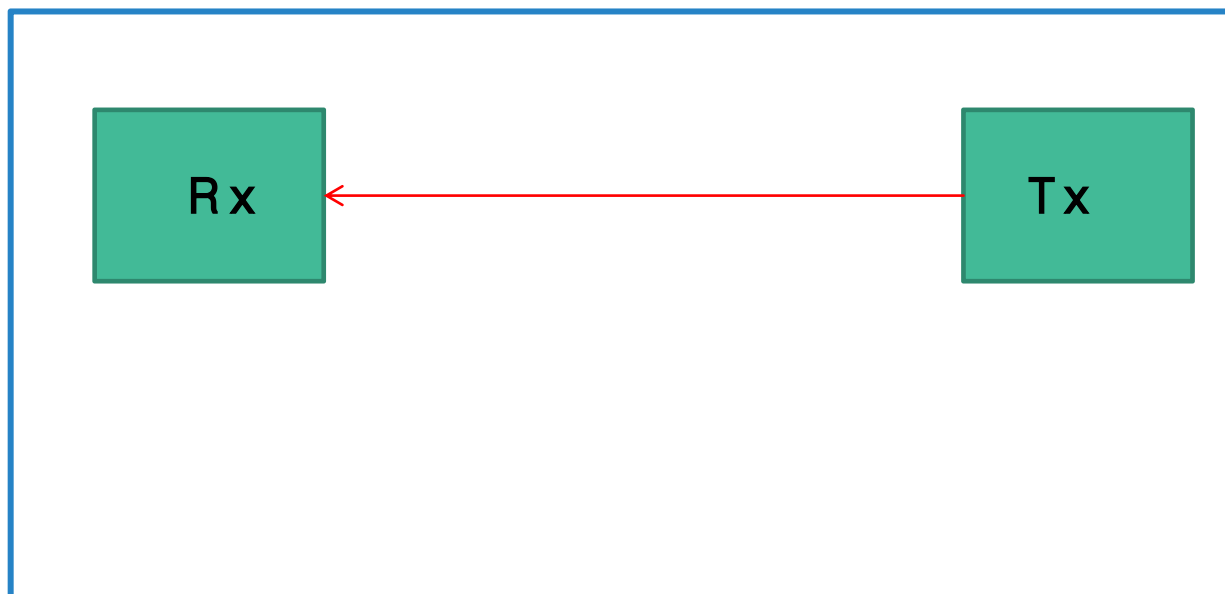
Antenna Type: Patch Antenna



# ANTENNA TEST DESCRIPTION

MRS261L 1T1R(Tx→Rx) Gain and Radiation Pattern

MRS261L



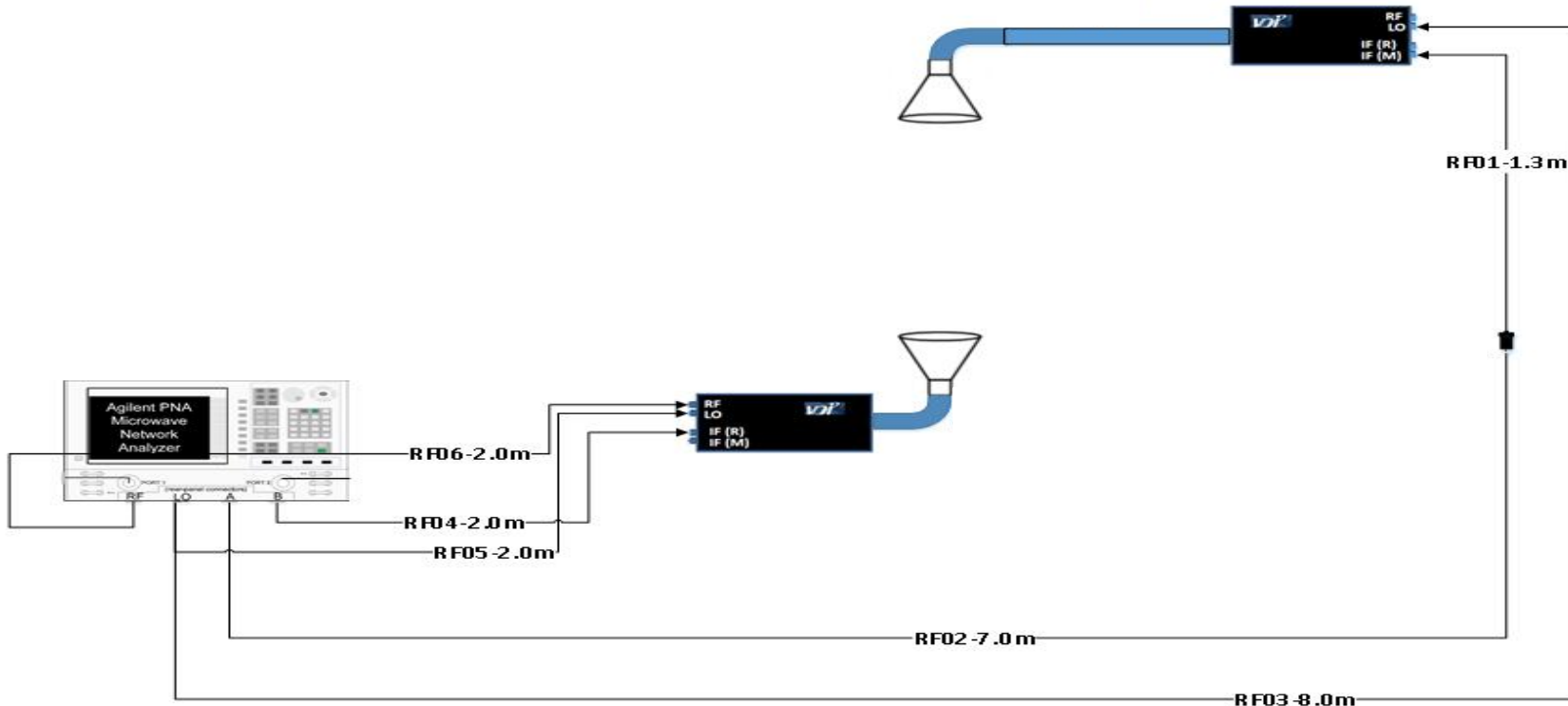


# ANTENNA TEST PRINCIPLE AND METHOD

**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.





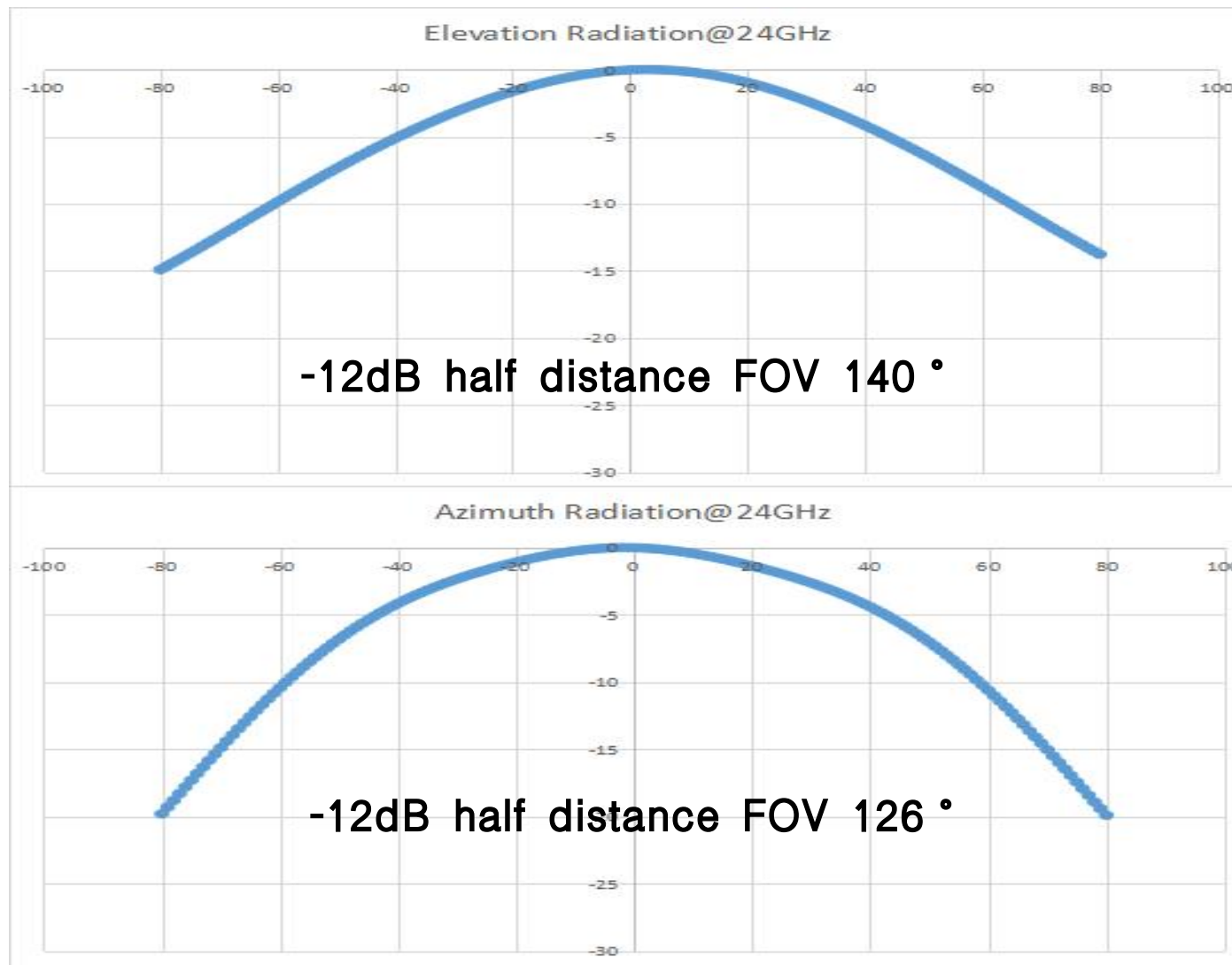
# ANT GAIN RESULTS

**ANT Gain = EIRP - Tx Output Power**

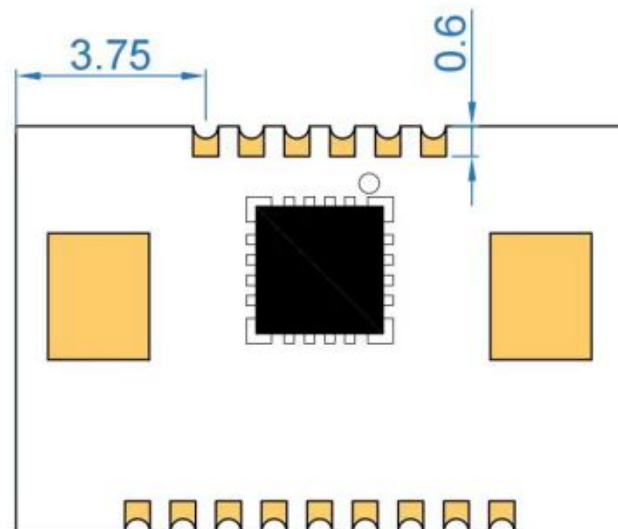
| Frequency | EIRP    | Tx Output Power | ANT Gain |
|-----------|---------|-----------------|----------|
| 24.00GHz  | 12.9dBm | 9.0dBm          | 3.9dB    |
| 24.25GHz  | 12.6dBm | 8.8dBm          | 3.8dB    |

# MRS261L RADIATION PATTERN

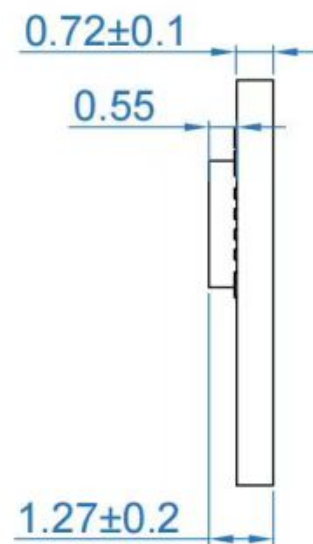
Tx -Rx Loop Gain



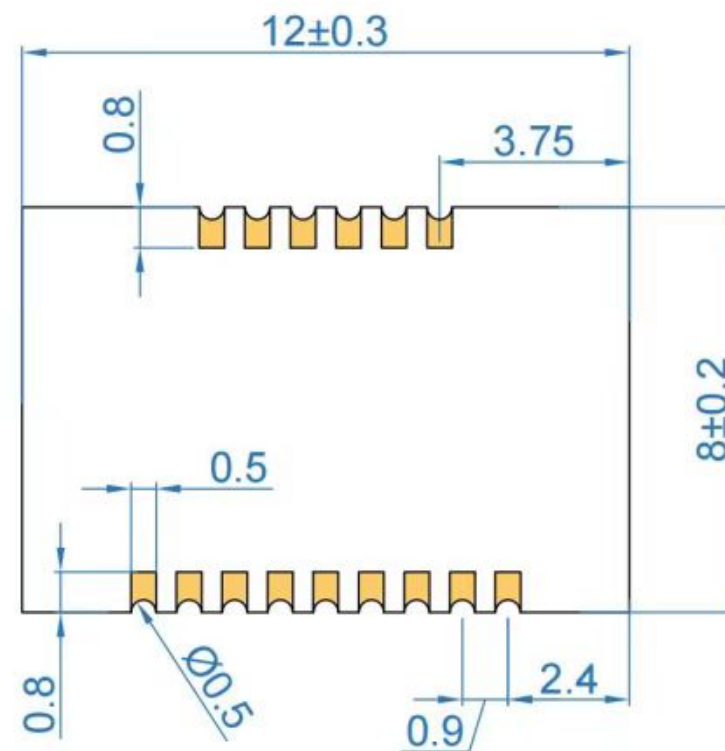
Unit: mm



Top View



Side View



Bottom View