

MRS261L 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: MRS261L

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

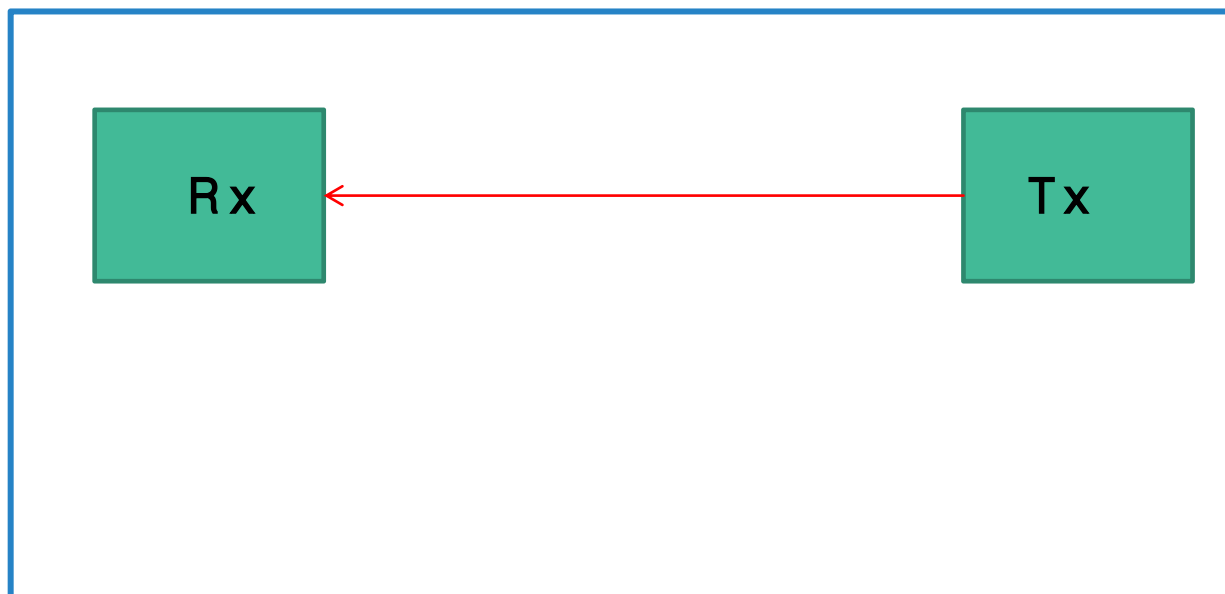
Antenna Type: Patch Antenna



ANTENNA TEST DESCRIPTION

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

MRS261L



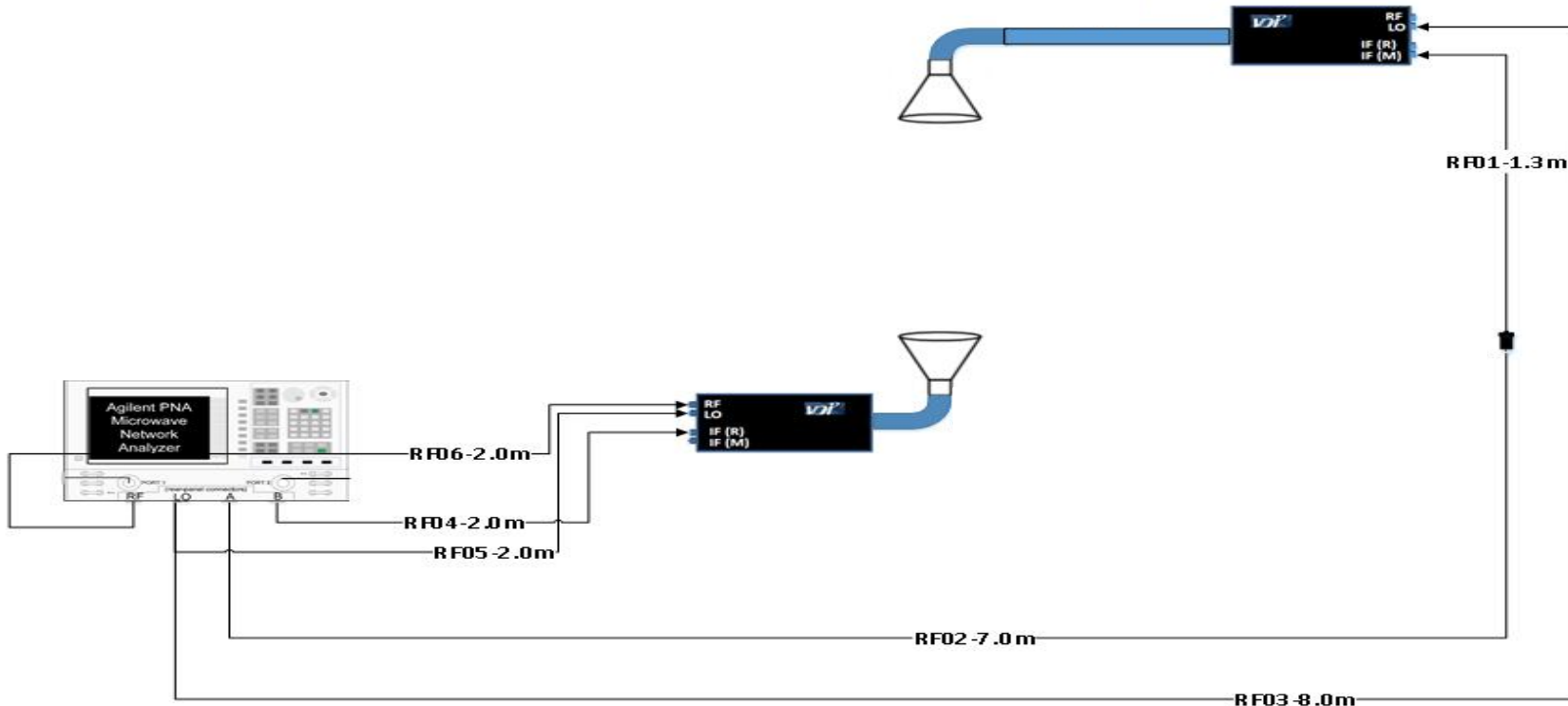


ANTENNA TEST PRINCIPLE AND METHOD

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.





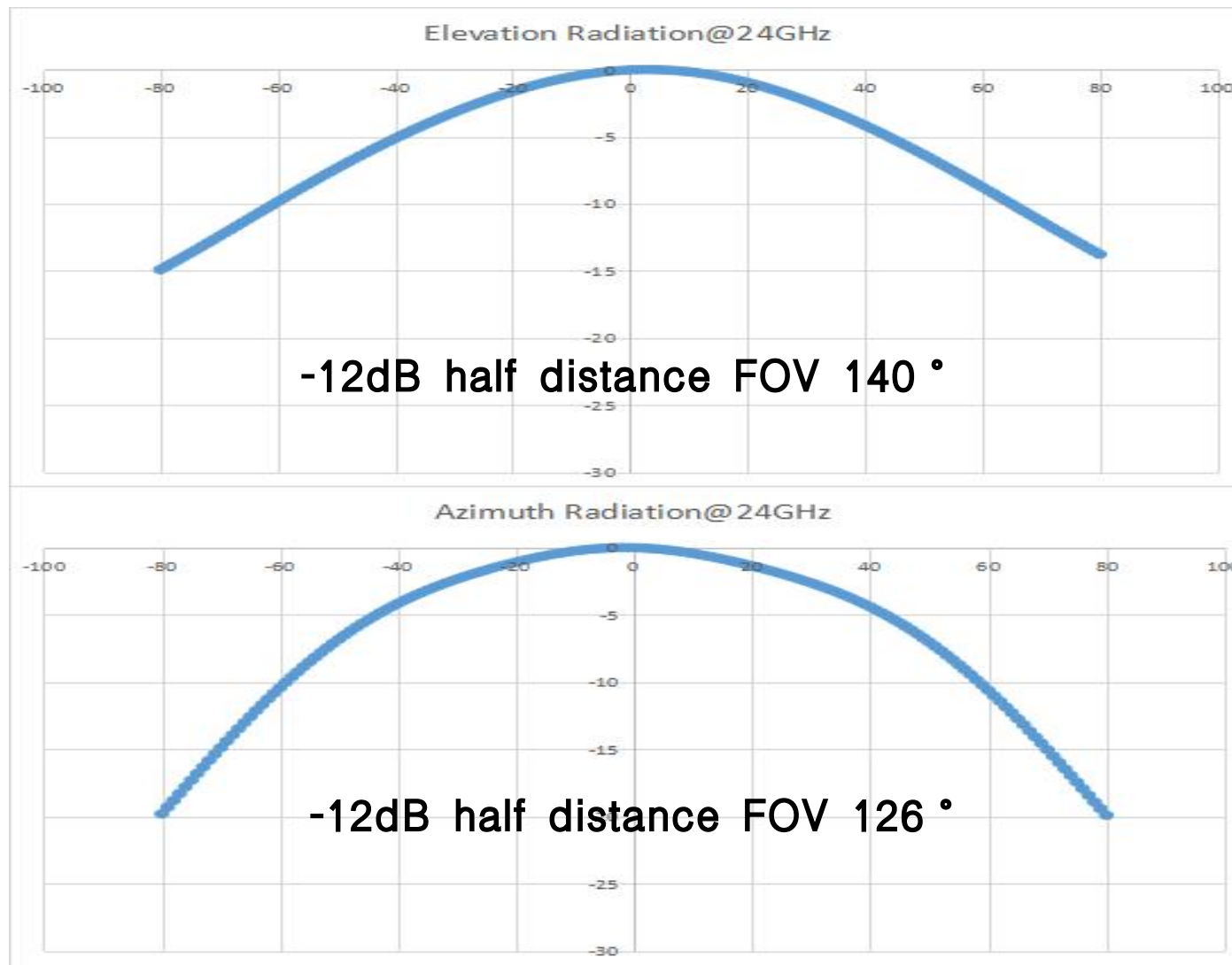
ANT GAIN RESULTS

ANT Gain = EIRP - Tx Output Power

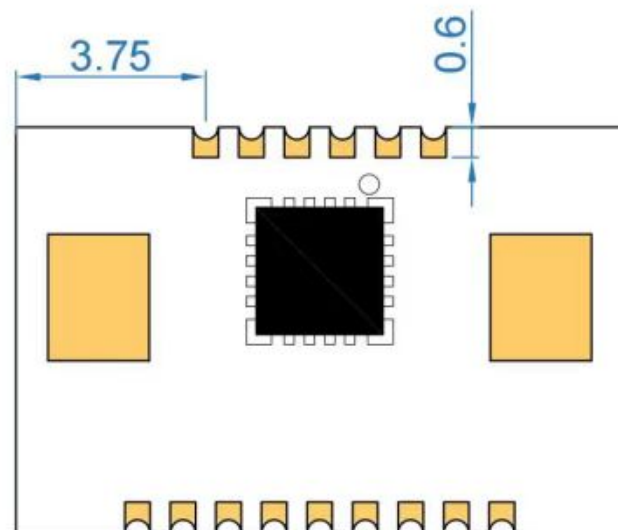
Frequency	EIRP	Tx Output Power	ANT Gain
24.00GHz	12.9dBm	9.0dBm	3.9dB
24.25GHz	12.6dBm	8.8dBm	3.8dB

MRS261L RADIATION PATTERN

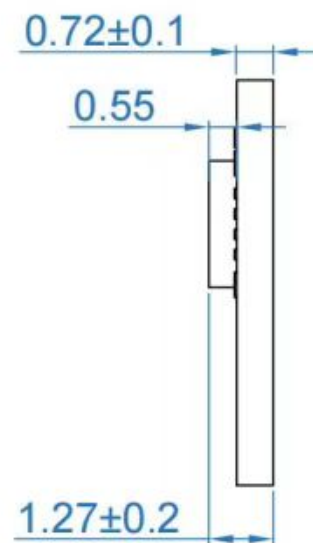
Tx -Rx Loop Gain



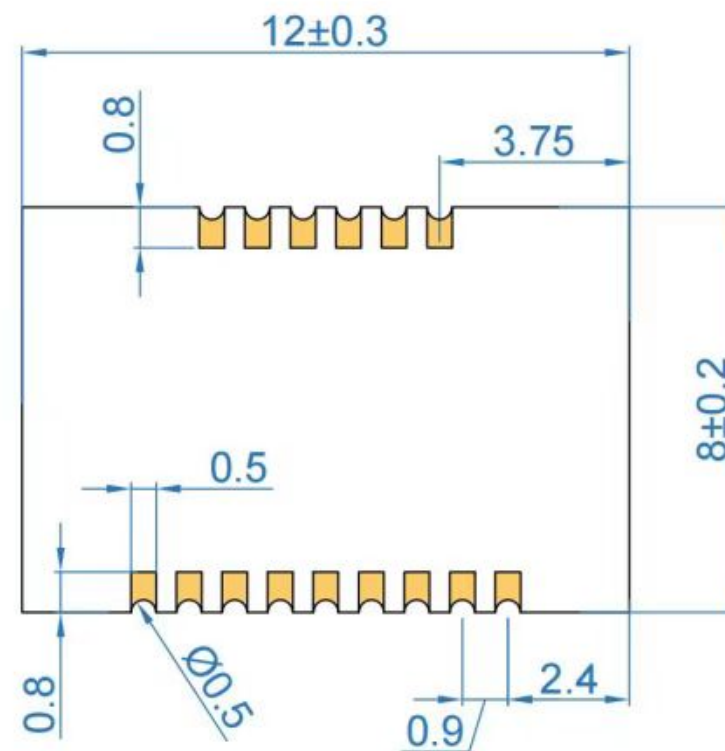
Unit: mm



Top View



Side View



Bottom View