

MRS261 ANTENNA SPECIFICATION

2025/12/3

V1.1

Production Specification

Company: Possumic Technology Co., Ltd

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

Model Name: MRS261

Model Size: 12mm (Length) X 8mm (Width) X 1.3mm (Thickness)

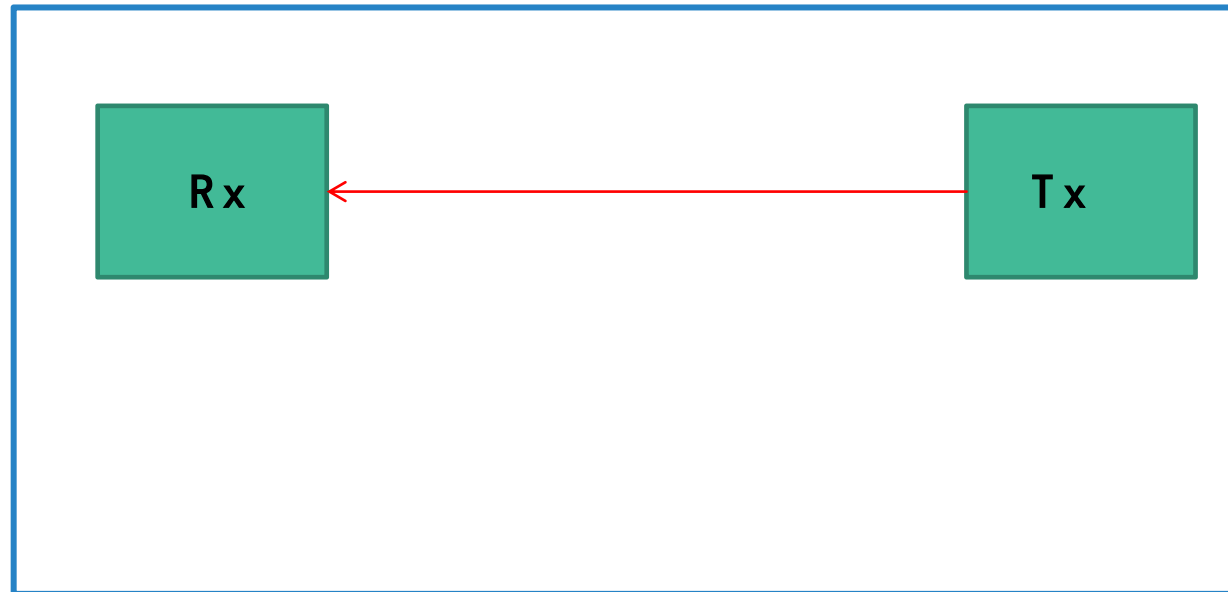
Antenna Type: Patch Antenna



ANTENNA TEST DESCRIPTION

MRS261 1T1R(Tx→Rx) Gain and Radiation Pattern

MRS261

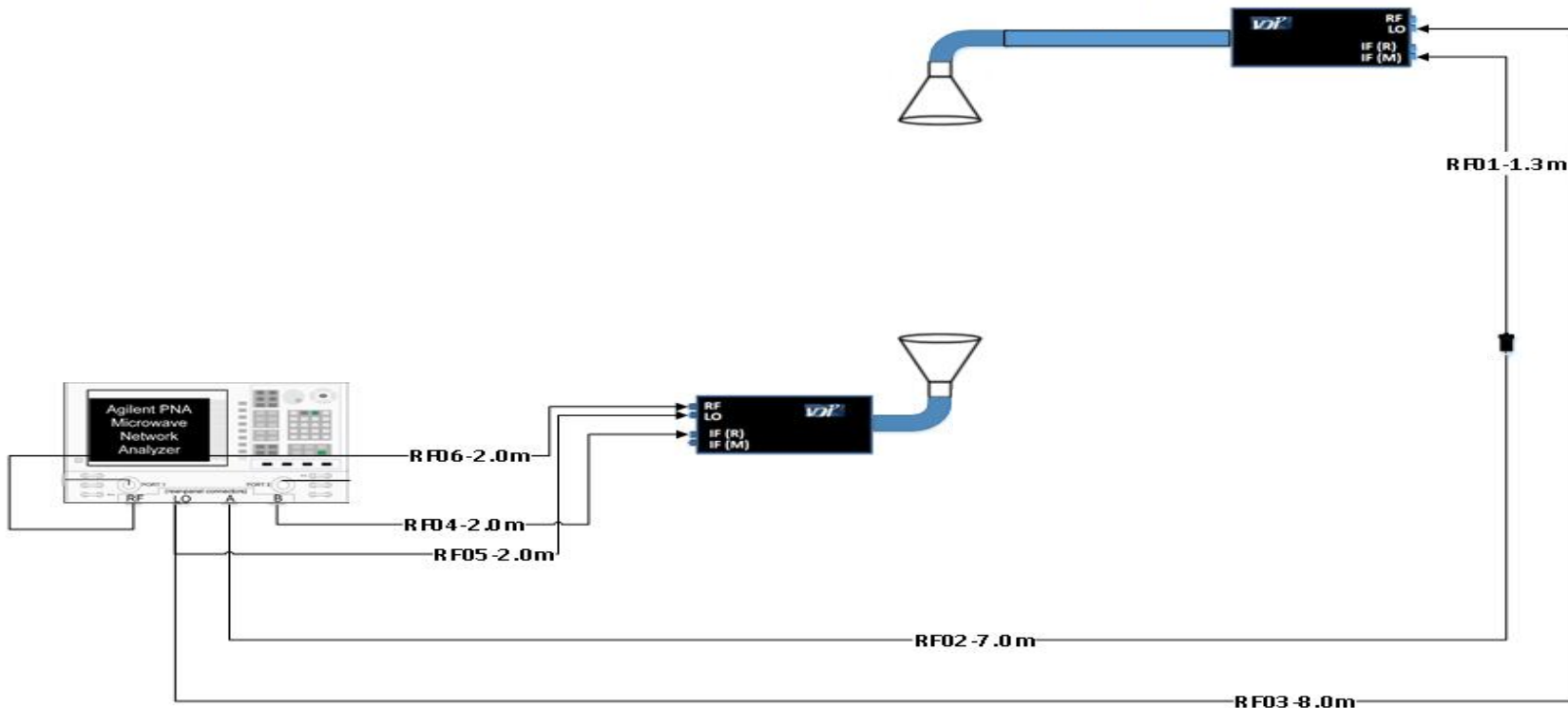


ANTENNA TEST PRINCIPLE AND METHOD

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. 9dBi
24. 25GHz	12. 6dBm	8. 8dBm	3. 8dBi



MRS261 RADIATION PATTERN

Tx -Rx Loop Gain

