

Antenna Performance Test Report

DEOR Radar Module

Digital Edge Solutions, Inc.

Contents

1. General Information.....	3
2. Test Equipment.....	3
3. Test Setup and Methodology	3
4. Test Requirements	4
5. Result.....	4

1. General Information

Report Number: DEOR-2025-01-ANT

Company Name: Digital Edge Solutions, Inc

Address: A-#1605, Pyeongchon Smartbay, 123, Beolmal-ro, Dongan-gu, Anyang-si,
Gyeonggi-do, Republic of Korea

DUT (Device Under Test): DEOR 60GHz Radar

Test Laboratory: Digital Edge Solutions, Inc Lab

Test Date: 2025-06-13

2. Test Equipment

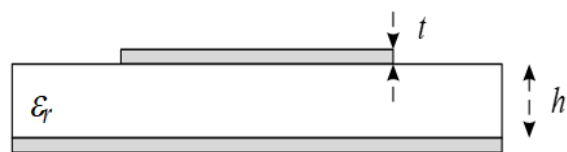
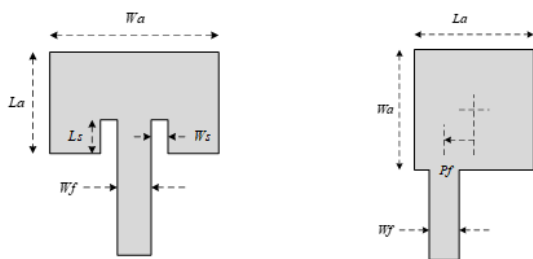
Design Tool: CST Studio Suite 2025

Anechoic Chamber

Network Analyzer: R&S®ZN67

3. Test Setup and Methodology

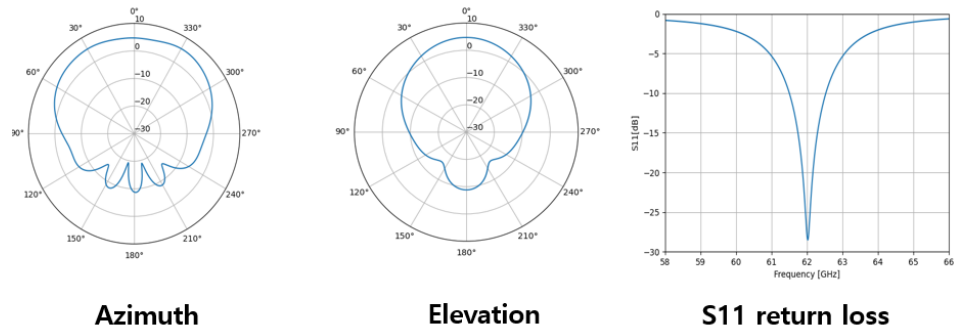
Parameter



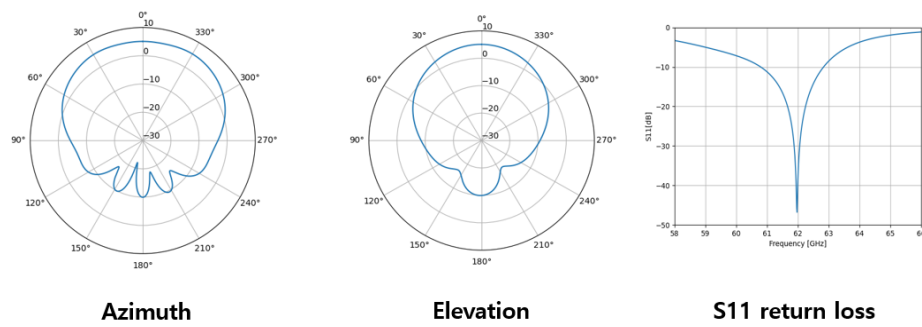
ϵ_r	3.65
h	100 μm
t	40 μm

Rx Antenna Gain (Azimuth): Max 5.37 dBi @ 332°

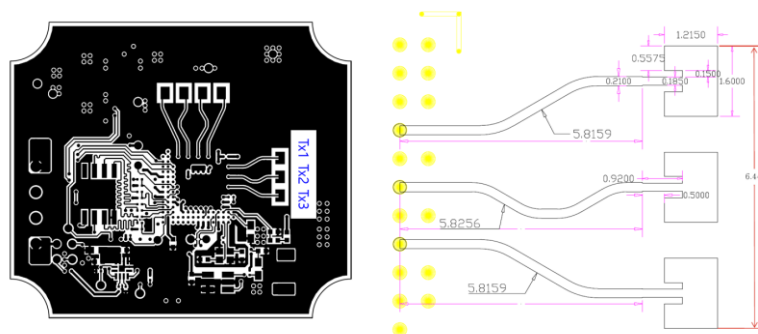
Rx Antenna Gain (Elevation): Max 5.07 dBi @ 1°



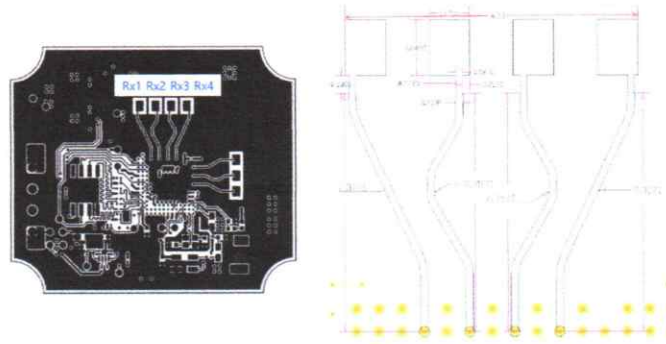
[Figure 1] DEOR Tx1, Tx2, Tx3 Antenna Gain and Configuration Overview



[Figure 2] DEOR Rx1, Rx2, Rx3, Rx4 Antenna Gain and Configuration Overview



[Figure 3] DEOR Tx1, Tx2, Tx3, Tx4 Antenna Patch



[Figure 4] DEOR Rx1, Rx2, Rx3, Rx4 Antenna Patch

Tested by

01/24

GJ LEE

Engineer / Digital Edge Solutions, Inc

Approved by



HJ YANG

CTO / Digital Edge Solutions, Inc

JUNE 13, 2025

Digital Edge Solutions, Inc