

Antenna Test Report

Report No. : SSP24020118-2A

Manufacturer : Shenzhen Loyal Electronics Co., Ltd.

Product Name : 2.4GHz Antenna

Model Name : D1097E7Z

Test Standard : IEEE 149-1979

Tested Date : 2024-03-26

Issued Date : 2024-04-02

Tested By : William Liu William Liu(Engineer)

Approved By : Lahm Peng Lahm Peng (Manager)



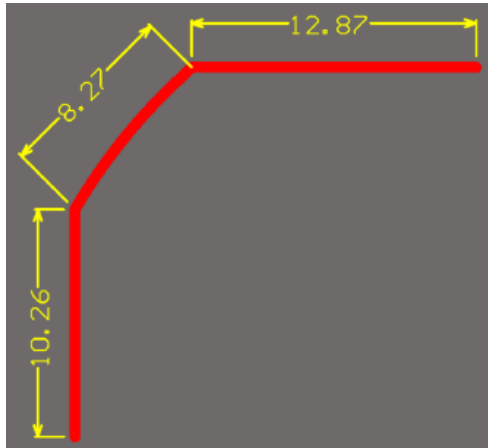
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1. General Information

1.1 Product Information

Manufacturer:	Shenzhen Loyal Electronics Co., Ltd.
Address of Manufacturer:	No.5, First Industry Park, Shanmen Songgang, Baoan, Shenzhen, Guangdong, China
Product Name:	2.4GHz Antenna
Model Name:	D1097E7Z
Frequency Range:	2400MHz - 2483.5MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm
Antenna View:	<p>Antenna Photo & Length(mm)</p>  A photograph of a red PCB antenna on a dark grey substrate. The antenna has a vertical section, a horizontal section, and a curved section. Yellow dimension lines with arrows indicate the following lengths: 12.87mm for the horizontal section, 8.27mm for the curved section, and 10.26mm for the vertical section.

1.2 Test Standard

All measurements contained in this report were conducted with standards IEEE 149-1979 for IEEE Standard Test Procedures for Antennas.

1.3 Test Facilities

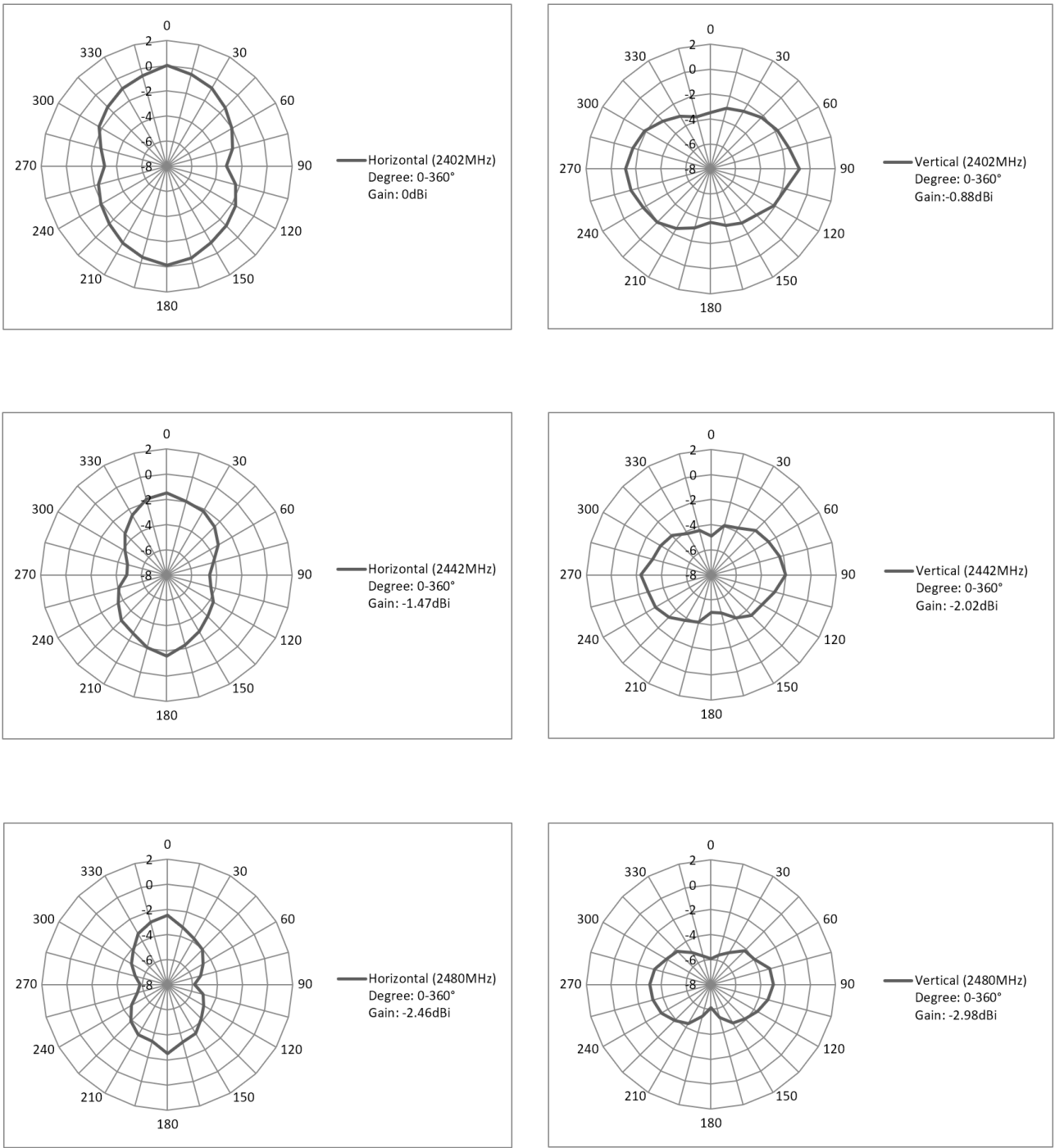
Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	

2. OTA Test

2.1 Gain

Frequency	Peak Gain (dBi)	Polarity
2402MHz	0	Horizontal
2402MHz	-0.88	Vertical
2442MHz	-1.47	Horizontal
2442MHz	-2.02	Vertical
2480MHz	-2.46	Horizontal
2480MHz	-2.98	Vertical

2.2 Radiation Pattern View



***** END OF REPORT *****