

Antenna Test Report

Test Standard: IEEE 149-1979

Manufacturer: IXTECH ELECTRONIC TECHNOLOGY CO., LIMITED

Product Name: 2.4GHz Antenna

Model: IX-E01

Report No.: SSP23060143A

Tested Date: 2023-07-03

Issued Date: 2023-07-04

Tested By: William Liu (Engineer) *William Liu*

Approved By: Lahm Peng (Manager) *Lahm Peng*

Prepared By:

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen ZRLK Testing Technology Co., Ltd.

1. General Information

1.1 Product Information

Manufacturer	
Manufacturer:	IXTECH ELECTRONIC TECHNOLOGY CO., LIMITED
Address of Manufacturer:	Room 1113, Building B IFE CENTER, No.660 Huangpu Avenue Central, Tianhe District, Guangzhou, China

General Description of Antenna	
Product Name:	2.4GHz Antenna
Model No.:	IX-E01
Frequency Range:	2400MHz-2483.5MHz
Type of Antenna:	FPCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm
Antenna View (60mm*40mm) 	

1.2 Test Facilities

Testing Lab: Shenzhen ZRLK Testing Technology Co., Ltd.
All measurement facilities used to collect the measurement data are located at 1F, No. 35 Building, Changxing Technology Industrial Park, Yutang Street, Guangming New District, Shenzhen City, Guangdong Province, China

1.3 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2022-07-09	2023-07-08
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2022-07-09	2023-07-08
Amplifier	Agilent	8449B	3008A01520	2022-07-09	2023-07-08

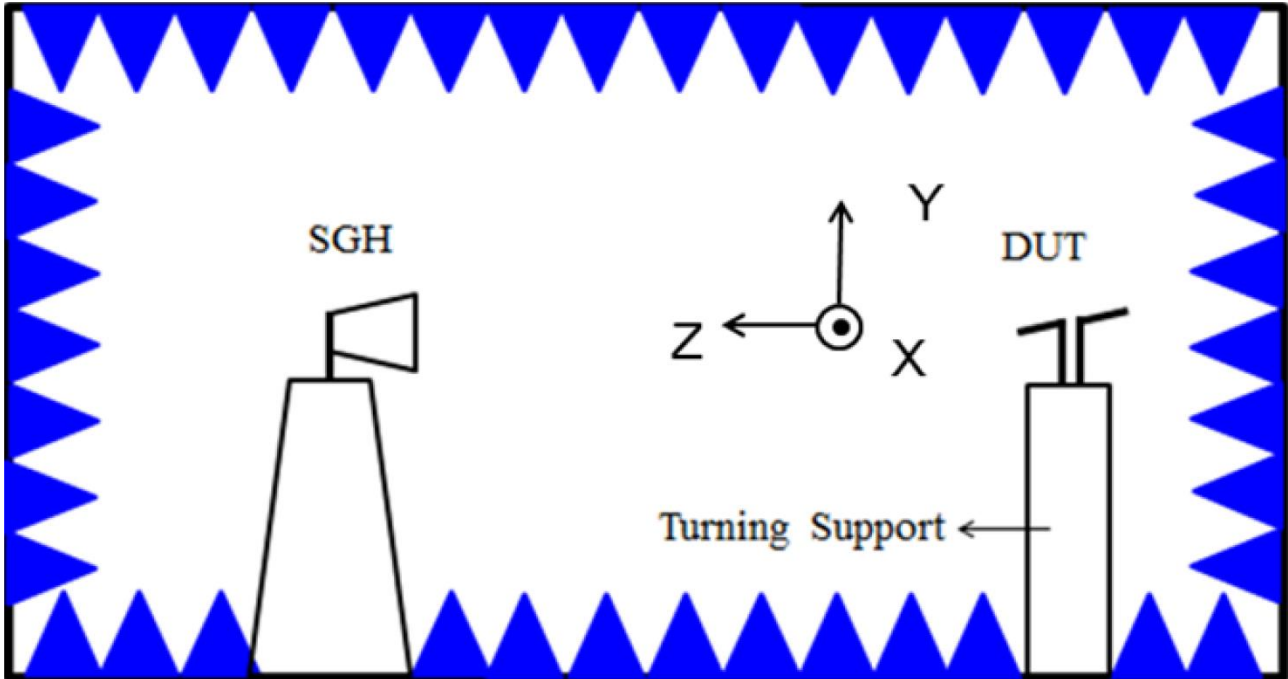
1.4 Measurement Uncertainty

Parameter	Conditions	Uncertainty
Radiated Emissions	1Hz ~ 6GHz	±3.32 dB

1.5 Test Methodology

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

1.6 Test Setup



2. OTA Test

2.1 Gain

Frequency	Peak Gain (dBi)	Polarity
2402MHz	0	Horizontal
2402MHz	-1.39	Vertical
2442MHz	-1.87	Horizontal
2442MHz	-2.64	Vertical
2480MHz	-2.97	Horizontal
2480MHz	-3.45	Vertical

2.2 Radiation Pattern View

