

# FCC Part 15 Antenna Gain Test Report

FCC ID:	AK8WW030588
Client:	Sony corporation
Type of Equipment:	Remote Commander
Model No.:	WW030588
Date of Testing:	December 10, 2024
Date of Issue:	February 10, 2025

**Goertek Inc**

500 Songling Road, Laoshan District, Qingdao City, Shandong Province, China

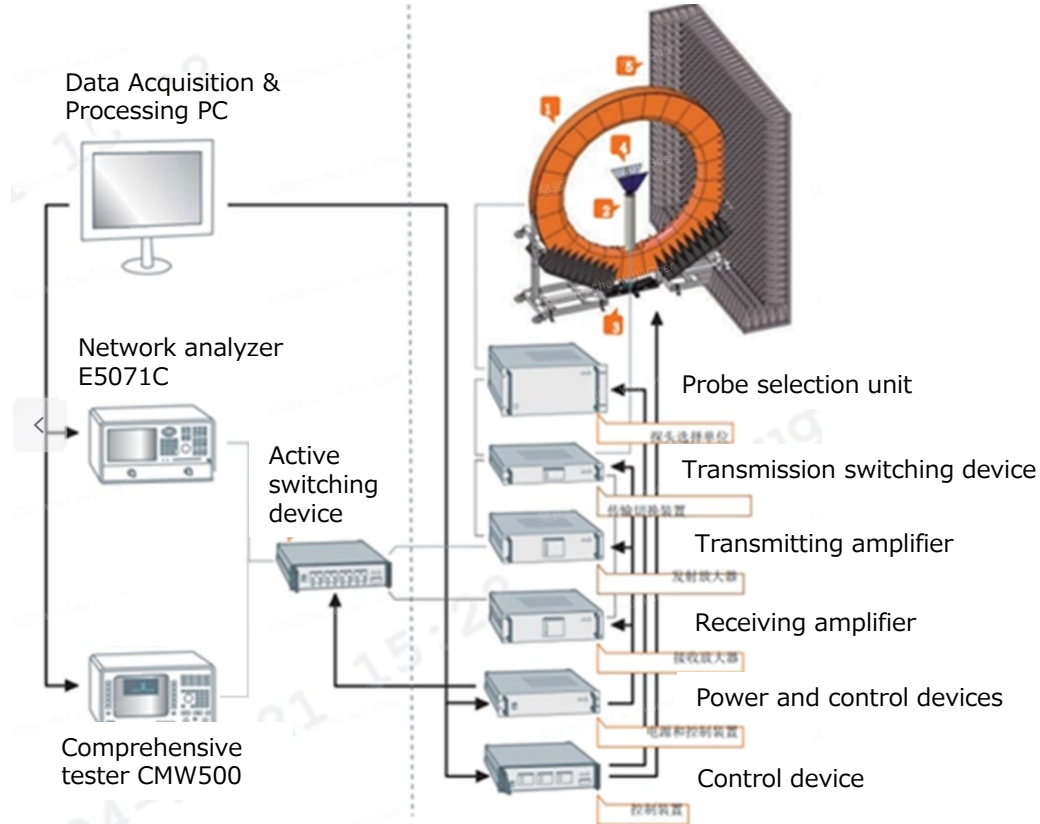
## Revision history

rev	Date.	Create	Comment	Remark
1				

# 1. Measurement Procedure

- The antenna gain is measured with SG24 SISO multi-probe measurement system.

## System Overview



## 2. Test Equipment and Measurement Software

### Measurement Equipment

Used	Equipment Description	Model No.	Serial No.	Manufacturer	Cal. Interval	Last Cal.	Remark
Y	Multi-Probe Measurement System	SG24 SISO	M-QB-0934	MVG	1 month	2024.12.5	
Y	ENA Network Analyzer	E5071C	M-WN-0022	Keysight Technologies	12 month	2024.6.15	
Y	Dual-Ridge Horn Antenna	SH400-195	N/A	MVG	N/A	N/A	

### Measurement Software

Used	Software Description	Model No.	Version	Manufacturer	Remark
Y	Data processing software	SatEnv	2.0.1.5	MVG	
Y	Automated Antenna and OTA Measurement Software Suite	Satimo passive Measurement	1.8.2	MVG	

### 3. Antenna Under Test

#### **Antenna 1**

Antenna Model Name:	PCB Antenna
Antenna Type:	Dipole Antenna
Input Impedance:	50 ohm
Manufacturer:	BOMIN Electronics Co., LTD

## 4. Antenna Gains

### Antenna 1

Date of Testing : December 10.2024

Tested Personnel: Rachel.Wu

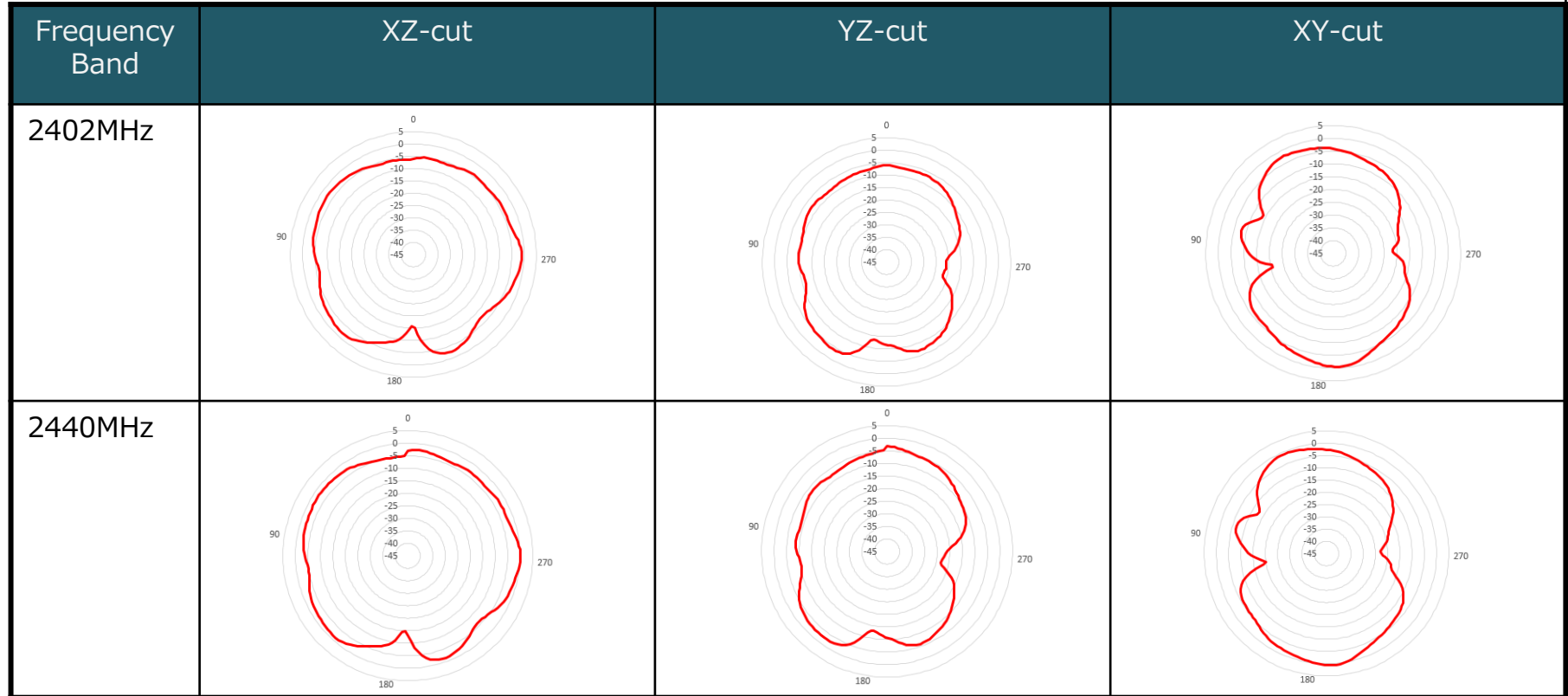
Temperature: 20deg.C

Relative Humidity: 20%

Antenna	Frequency (MHz)	Peak Gain (dBi)	Remark
Antenna 1	2402	-0.52	
	2440	0.76	
	2480	0.76	

## 5. Antenna Directivity Plots

### Antenna 1 (1/2)



## 5. Antenna Directivity Plots

### Antenna 1 (2/2)

