

FCC Part 15 Antenna Gain Test Report

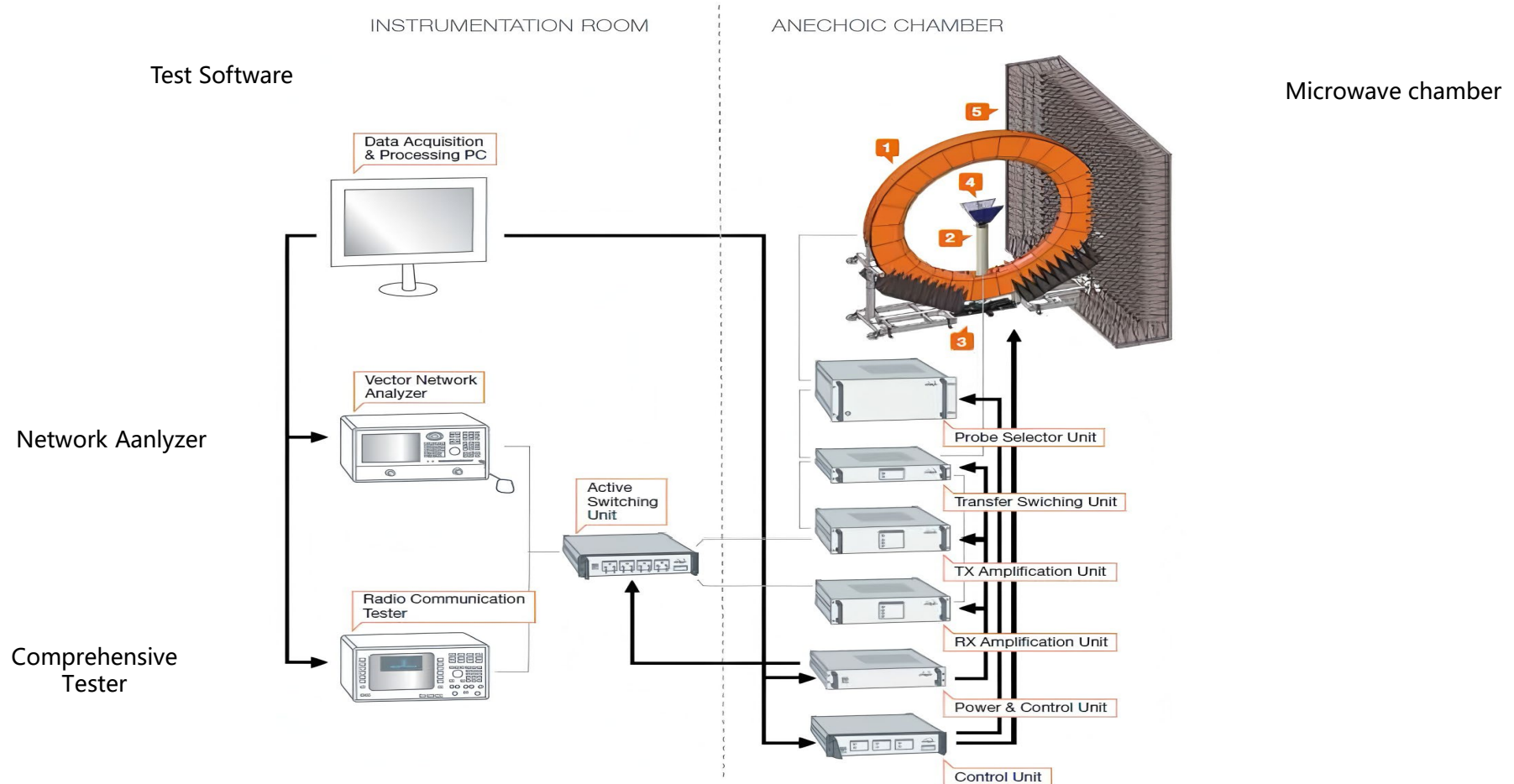
FCC ID:	AK8WW81782
Client:	Sony Corporation
Type of Equipment:	Radio Equipment
Model No.:	WW81782
Date of Testing:	April 25, 2026 – May 8, 2026
Date of Issue:	May 8, 2026

Tonly Technology Co., Ltd.
Block 37, Zhongkai Hi-tech Zone, Huizhou City, Guangdong Province, P.R. China

Revision history

rev	Date.	Create	Comment	Remark
1	May 8, 2026	Honglang	Issued	

1. Measurement Procedure



1. Measurement Procedure

1: Performance Specifications

applicable frequency of antenna: 2400MHz~2480MHz

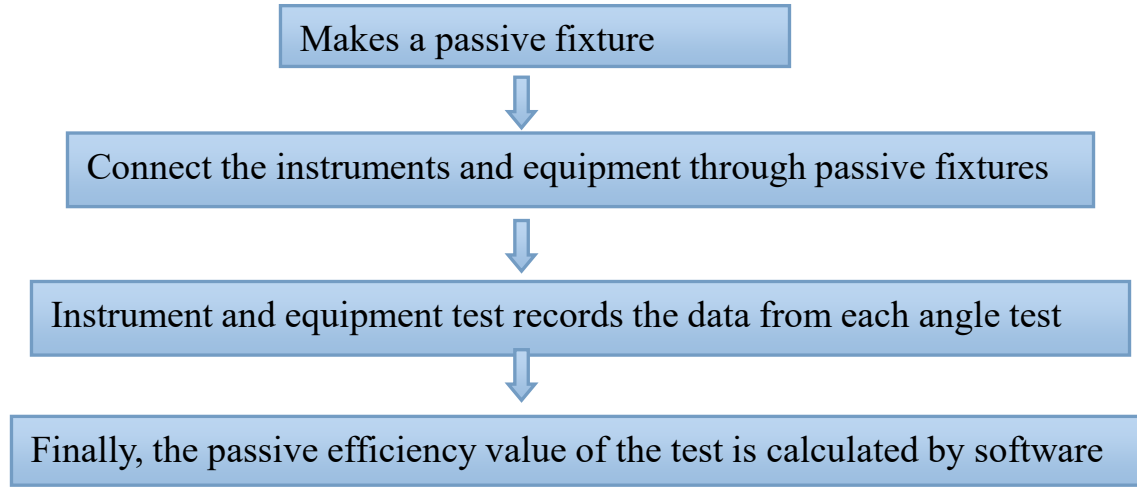
2: Test instructions

Names of Commercial Test Software Being Used: Wave studio

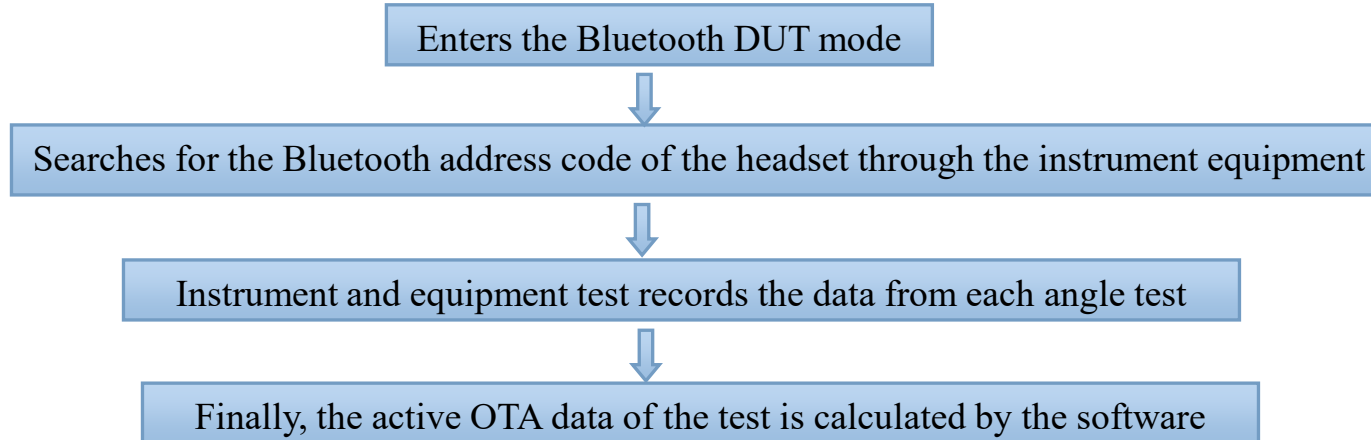
Passive and Active Test Setup Photos:



Description of passive test methods :



Description of the active test method :



2. Test Equipment and Measurement Software

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Analyzer	Agilent	E5071C	B.14.12	2025.11.5	2026.11.4
Comprehensive Tester	ROHDE&SCHWARZ	CMW500	3.7.90	2025.11.5	2026.11.4
Microwave chamber	MVG	Satimo StarLab SG 24		2025.11.5	2026.11.4
Test Software	MVG	Wave Studio	24.3.0	2025.11.5	2026.11.4

3. Antenna Under Test

Antenna 1

Antenna Model Name: 095C RX-ANT1
Antenna Type: PIFA
Input Impedance: 50 ohm
Manufacturer: Shenzhen Cicent Communication Technology Co., Ltd.

Antenna 2

Antenna Model Name: 095C RX-ANT2
Antenna Type: Monopole
Input Impedance: 50 ohm
Manufacturer: Shenzhen Cicent Communication Technology Co., Ltd.

4. Antenna Gains

Antenna 1

Date of Testing: May 8, 2026

Tested Personnel: Honglang

Antenna	Frequency (MHz)	Peak Gain (dBi)	Remark
Antenna 1	2400	-1.2	* 2.4 GHz peak

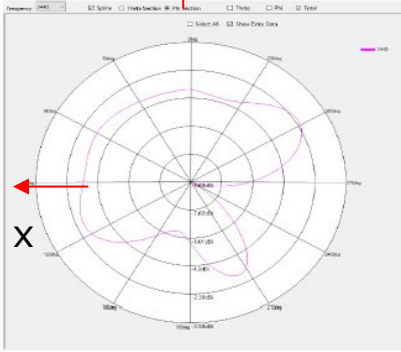
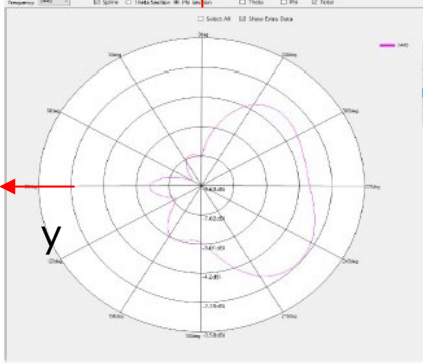
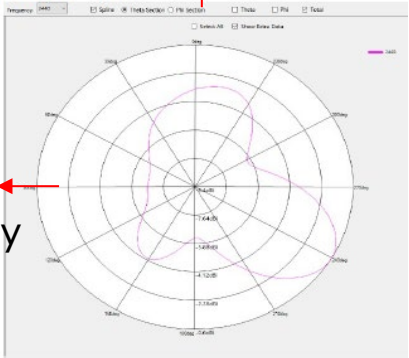
Antenna 2

Date of Testing: May 8, 2026

Tested Personnel: Honglang

Antenna	Frequency (MHz)	Peak Gain (dBi)	Remark
Antenna 2	2480	-0.2	* 2.4 GHz peak

Antenna 1

Frequency Band	XZ-cut	YZ-cut	XY-cut
2.4 GHz	Z Phi=0° 	Z Phi=90° 	X Theta = 90° 

Antenna 2

