

SONY

FCC Part 15 Antenna Gain Test Report

FCC ID:

AK8YY2998

Type of Equipment:

Radio Equipment

Model No.:

YY2998

Similar Model(s)

N/A

to be covered by this report:

Test Facility:

Sony City Osaki, 2-10-1 Osaki, Shinagawa-ku, Tokyo, 141-8610 Japan

Date of Testing:

September 9, 2025

Date of Issue:

September 19, 2025

Reported by:

Hiroki Nishimoto

Hiroki Nishimoto(Technical Engineer)

Approved Signatory:

Yuichiro Suzuki

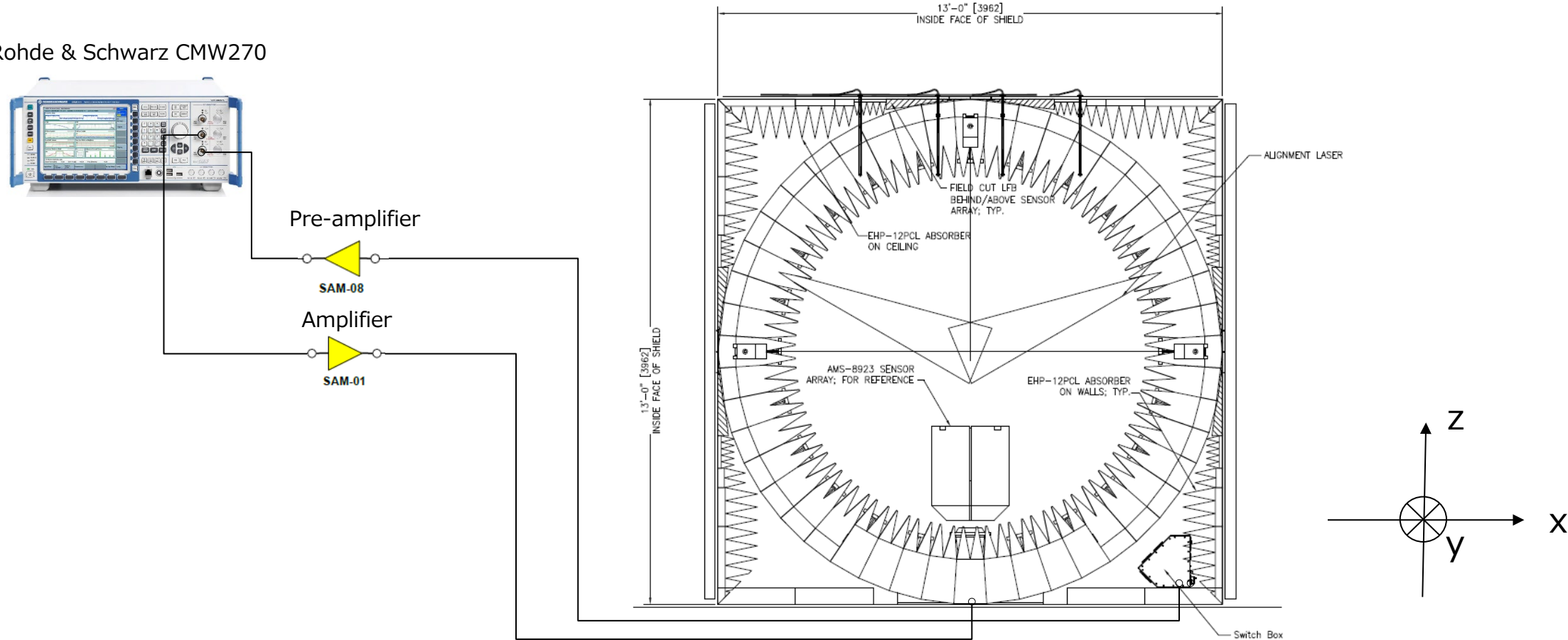
Yuichiro Suzuki(Technical Manager)

1. Measurement Procedure

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

System Overview

Rohde & Schwarz CMW270



2. Test Equipment and Measurement Software

Test Equipment

Used	Control No.	Equipment Description	Model No.	Serial No.	Manufacturer	Cal. Interval	Last Cal.	Remark
Y	-	Multi-Probe Measurement System	AMS-8923-142-G	-	ETS-Lindgren	12 months	Feb 5, 2025	CTIA Ripple test and range cal
Y		Wireless Connectivity Tester	CMW270	101482	Rohde & Schwarz	irregular	Jun. 12, 2025	
Y		Measurement Antenna	3126-2500 3126-5500	00218243 00218247	ETS-Lindgren	12 months	Oct. 23, 2024 Oct. 31, 2024	Reference Antenna
• The calibration is valid until the end of the expiration month.								

Measurement Software

Used	Control No.	Software Description	Model No.	Version	Manufacturer	Remark
Y	-	EMQuest Antenna Measurement Software	EMQ-100	Version 1.17 build 34070	ETS-Lindgren	
Y	-					

3. Antenna Under Test

Antenna 1

Antenna Model Name:	ANTENNA L
Antenna Type:	Inverted-F Antenna
Manufacturer:	Amphenol Airwave Communication Electronics Co., Ltd.
Input Impedance:	50 ohm

4. Antenna Gains

Antenna 1

Date of Testing: September 9, 2025
Tested Personnel: Hiroki Nishimoto
Temperature: 22.5 degrees Celsius
Relative Humidity: 61 %

Antenna	Frequency (MHz)	Peak Gain (dBi)
Antenna 1	2462	4.16

5. Antenna Directivity Plots

Antenna 1

Frequency	XZ-cut	XY-cut	YZ-cut
2462 MHz	