



FCC Part 15 Antenna Gain Test Report

FCC ID: AK8YY3013

Type of Equipment: Radio Equipment

Model No.: YY3013

Similar Model(s) to be covered by this report: N/A

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

Date of Testing: March 18, 2026

Date of Issue: March 18, 2026

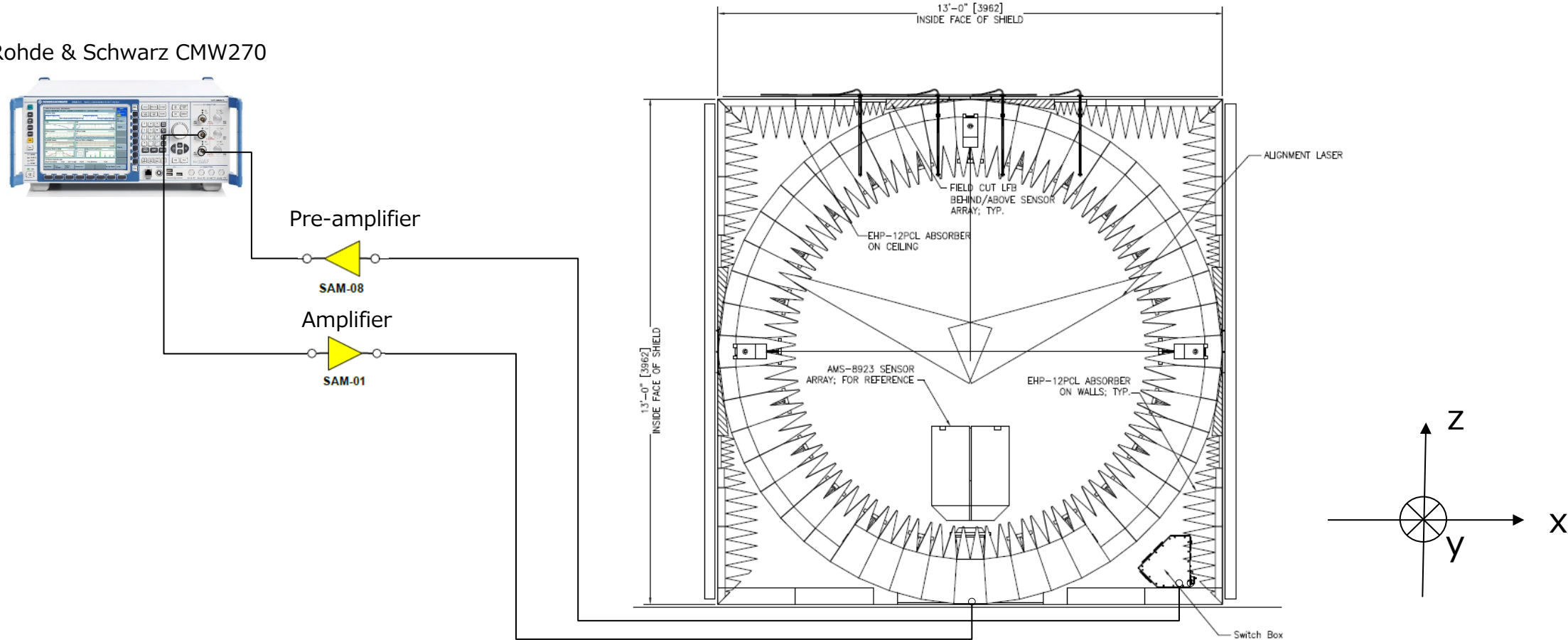
Reported by: <i>Hideki Hayashiya</i> Hideki Hayashiya(Technical Engineer)	Approved Signatory: <i>Yuichiro Suzuki</i> Yuichiro Suzuki(Technical Manager)
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1. Measurement Procedure

- 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	Mar 3, 2026	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	Nov. 20, 2025 Dec. 5, 2025	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
Antenna Type:	Chip Antenna
Manufacturer:	TDK Corporation
Input Impedance:	50 ohm

4. Antenna Gains

Antenna 1

Date of Testing: March 18, 2026
Tested Personnel: Hideki Hayashiya
Temperature: 17.5 degrees Celsius
Relative Humidity: 51 %

Antenna	Frequency (MHz)	Peak Gain (dBi)
Antenna 1	2441	3.12

5. Antenna Directivity Plots

Antenna 1

