

ANTENNA TEST REPORT

Product : PCB antenna
Brand: Fanstel
Model: BM05F
Model Difference: N/A
Applicant: Fanstel Corporation, Taipei
Address: 10F-10, No. 79, Sec. 1, Hsin Tai Wu Rd.,
Hsi-Chih, New Taipei City 221 Taiwan

Test Performed by:

International Standards Laboratory Corp. LT Lab.



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Issue Date : 2025/08/04

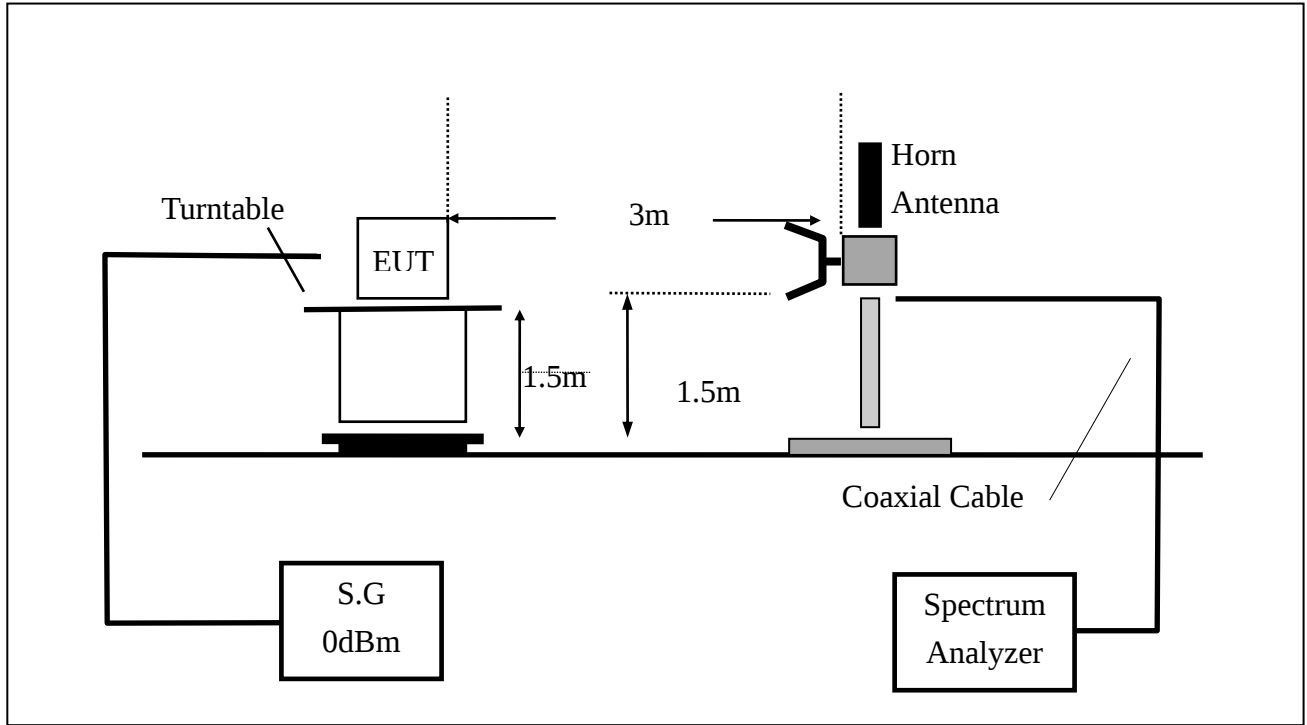
Test By: *Barry Lee*

Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein.

According to customer agreement, the laboratory issues test reports based on the regulations or standards specifications, the measurement uncertainty is not considered in conformity decision rules.

This test report shall not be reproduced except in full, without the written approval of International Standards Laboratory Corp.

1. Test SET-UP (Block Diagram of Configuration)



Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Spectrum Analyzer (44GHz)	R&S	FSV3044	101463	02/25/2025	02/05/2026
Horn antenna (1GHz - 18GHz)	EM	EM-AH-10180	2011071401	11/28/2024	11/28/2025
MXG Vector Signal Generator	Keysight	N5182B	MY53052399	12/26/2023	12/26/2025
Test Software	Audix	E3 Ver:6.120203	N/A	N/A	N/A

2. EUT Photo

Figure 1
2.4G Antenna

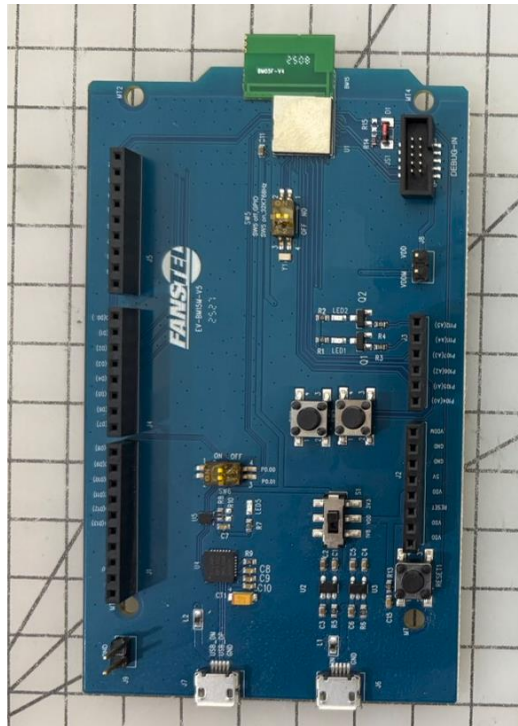


Figure 2



Test Photo

Figure 1

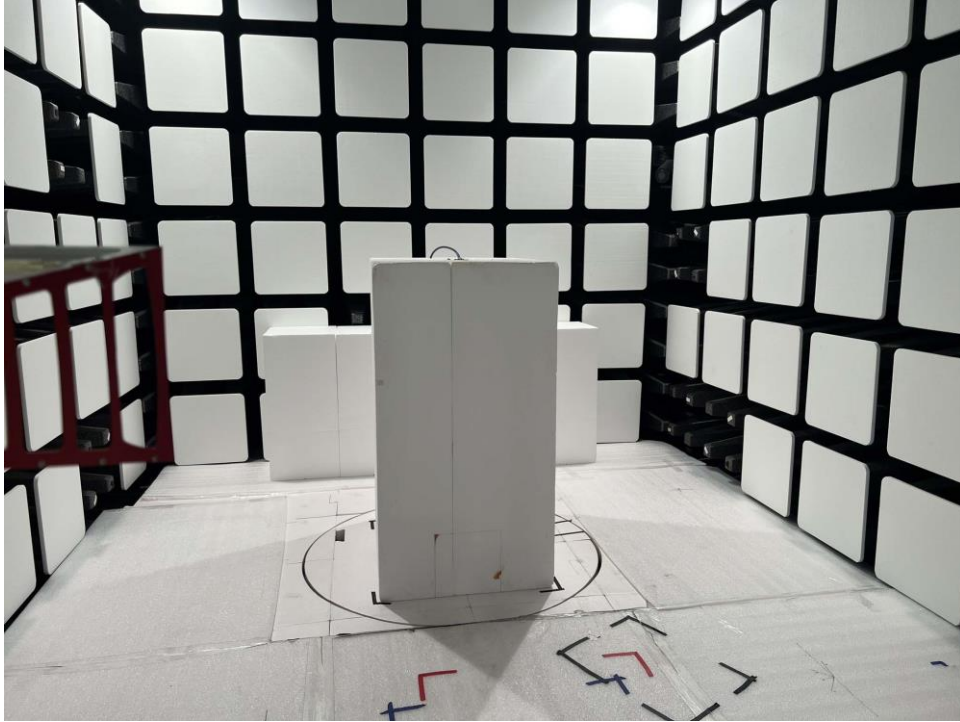


Figure 2



Test Result

2.4G Antenna

Maximum gain test result:	
Maximum antenna Gain	= 4.54 dBi

Antenna Gain	2400	2450	2500	Unit
	4.42	4.54	3.77	dBi

Figure 1. 2.4G Antenna 2400MHz

Figure 2. 2.4G Antenna 2450MHz

Figure 3. 2.4G Antenna 2500MHz

Figure 1

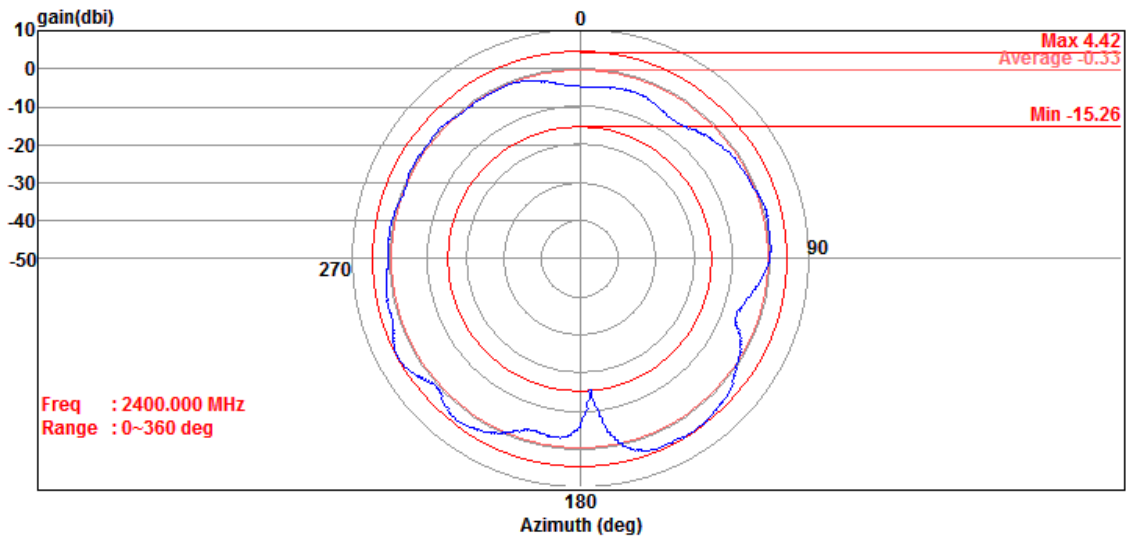


Figure 2

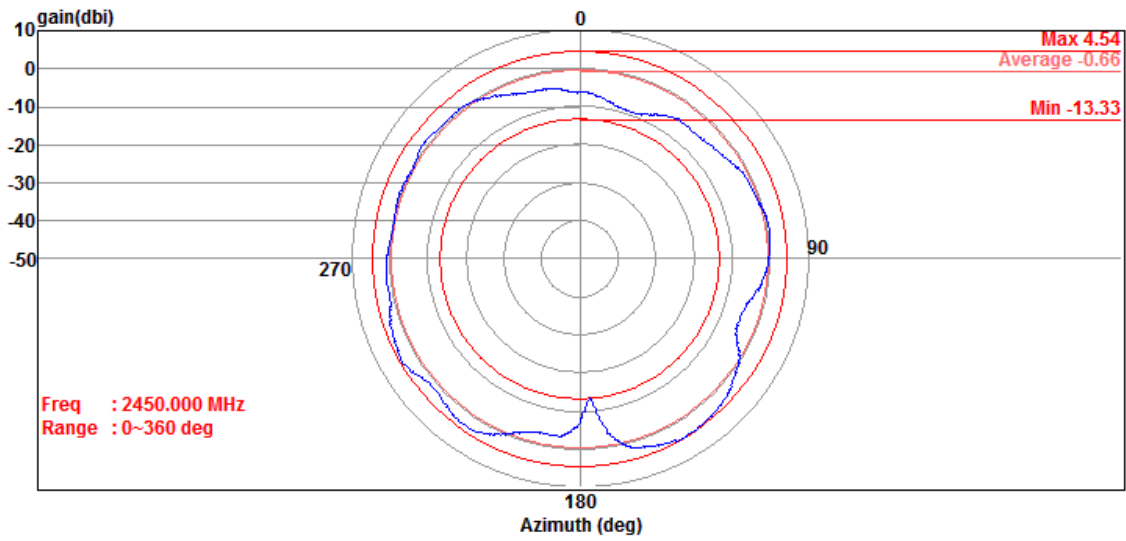


Figure 3

