

# ANTENNA TEST REPORT

**Product :** PCB antenna  
**Brand:** Fanstel  
**Model:** PCB  
**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

<LT Lab.>

\*Address:

No. 120, Lane 180, San Ho Tsuen, Hsin Ho Rd.  
Lung-Tan Hsiang, Tao Yuan County 325, Taiwan

\*Tel : 886-3-407-1718; Fax: 886-3-407-1738

Report No.: **ISL-23LR0074ANT**

Issue Date : **2023/08/01**

Test By:

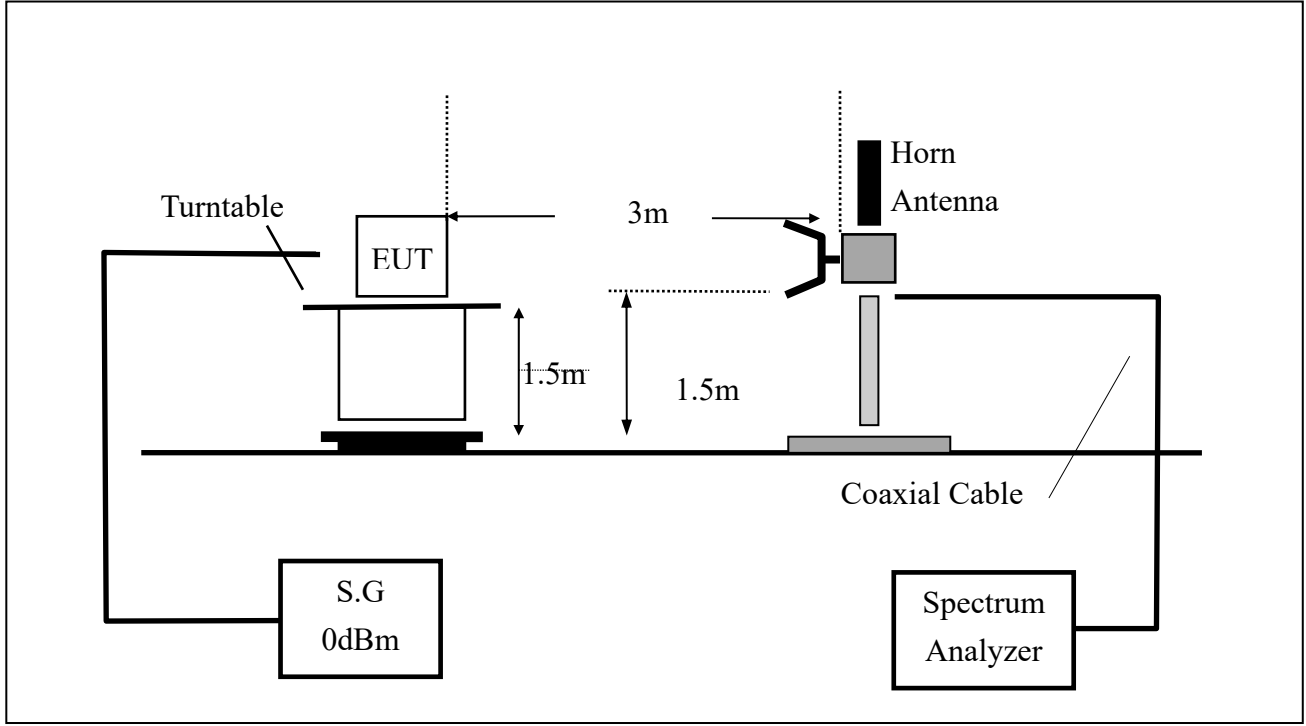
Wei-Tin Chen

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.

This report **MUST** not be used to claim product endorsement by TAF, NEMKO or any agency of the Government.

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



Measurement Equipment Used:					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	R&S	FSV3044	101463	02/07/2023	02/07/2024
Horn antenna	EM	EM-AH-10180	2011071401	11/25/2022	11/25/2023
Signal Generator	Anritsu	MG3692A	20311	12/29/2022	12/29/2023

## 2. EUT Photo

Figure 1  
2.4G Antenna

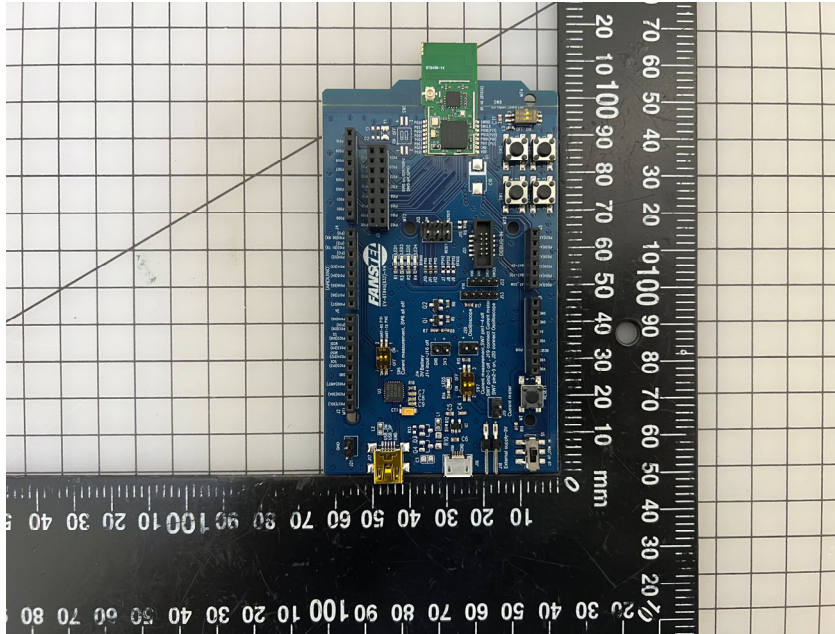
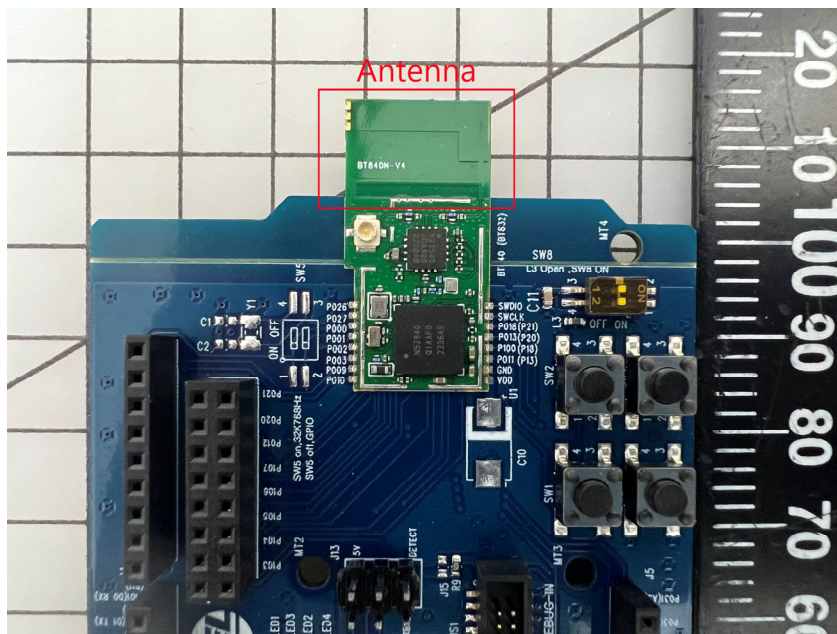


Figure 2



Test Result

**2.4G Antenna**

<b>Maximum gain test result:</b>	
Maximum antenna Gain	= 0.88 dBi

Antenna Gain	2400	2450	2500	Unit
	0.41	0.18	0.88	dBi

Figure 1. 2.4G Antenna 2400MHz

Figure 2. 2.4G Antenna 2450MHz

Figure 3. 2.4G Antenna 2500MHz

Figure 1

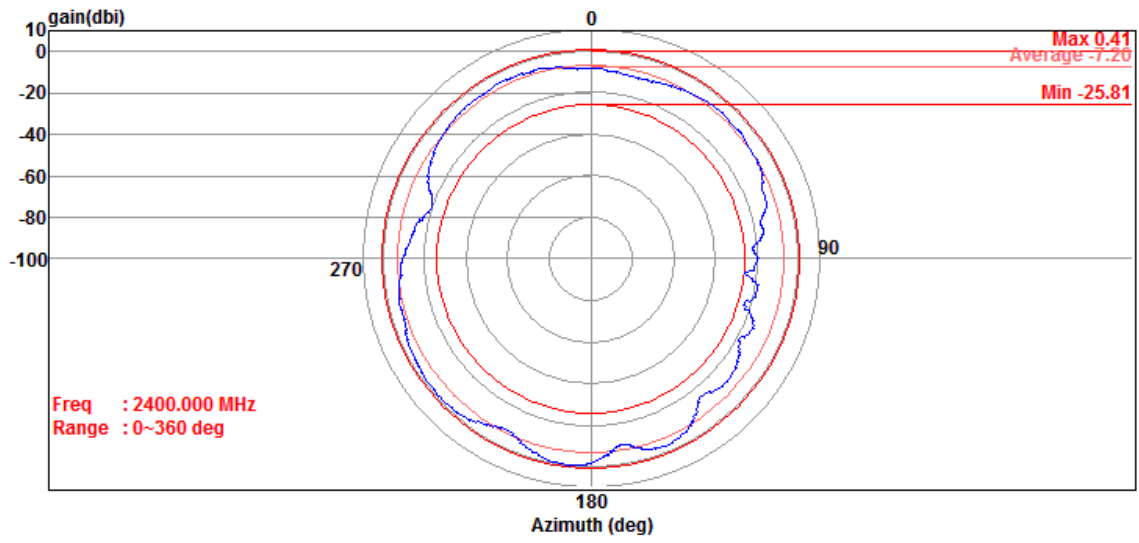


Figure 2

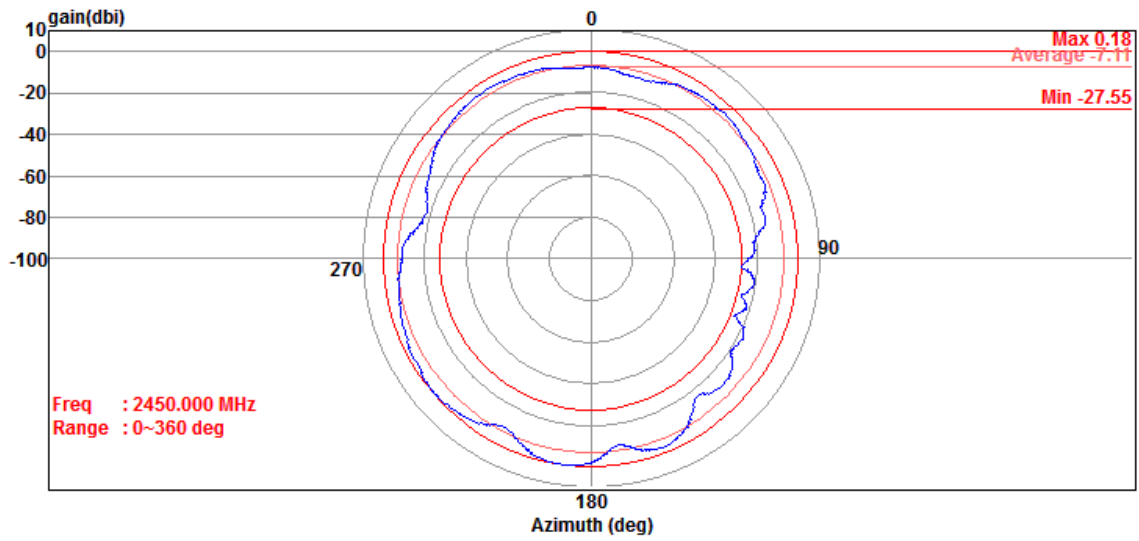


Figure 3

