

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-23LR0019ANT**

Issue Date : **2023/02/15**

Test By:

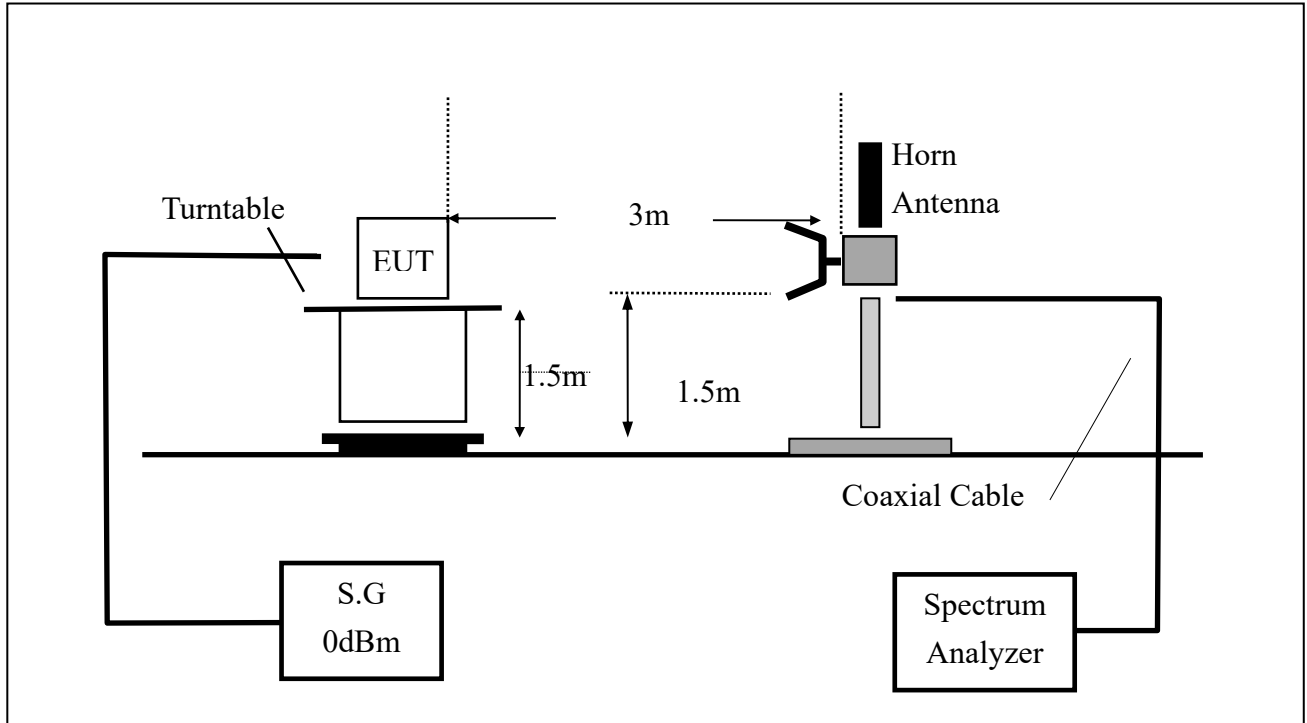
Barry Lee

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.

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

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

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



Measurement Equipment Used:					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	N9010A	MY52100117	08/31/2022	08/31/2023
Horn antenna	EM	2011071401	11/25/2022	11/25/2023	2011071401
Signal Generator	Signal Generator	Anritsu	MG3692A	20311	12/29/2022

2. EUT Photo

Figure 1
2.4G Antenna

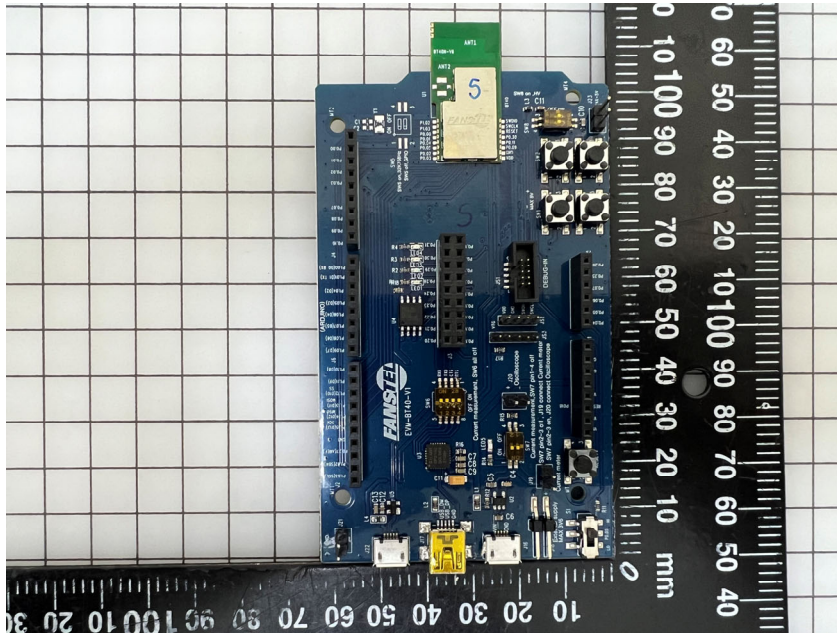
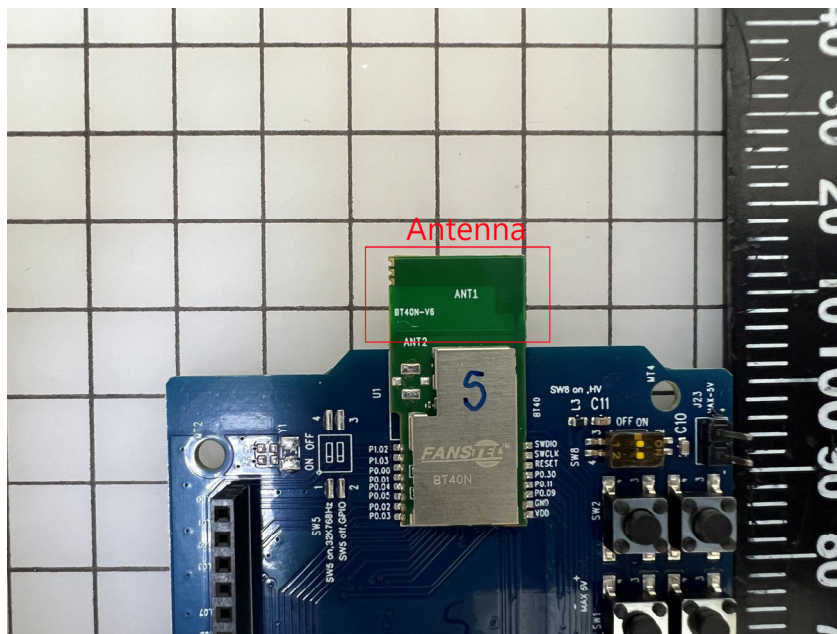


Figure 2



Test Result

2.4G Antenna

Maximum gain test result:	
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

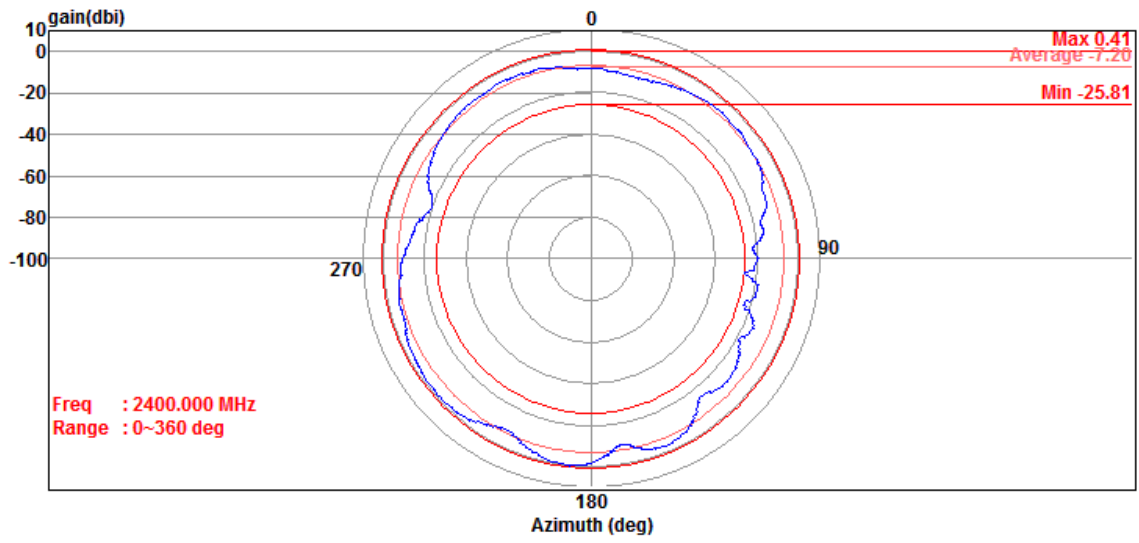


Figure 2

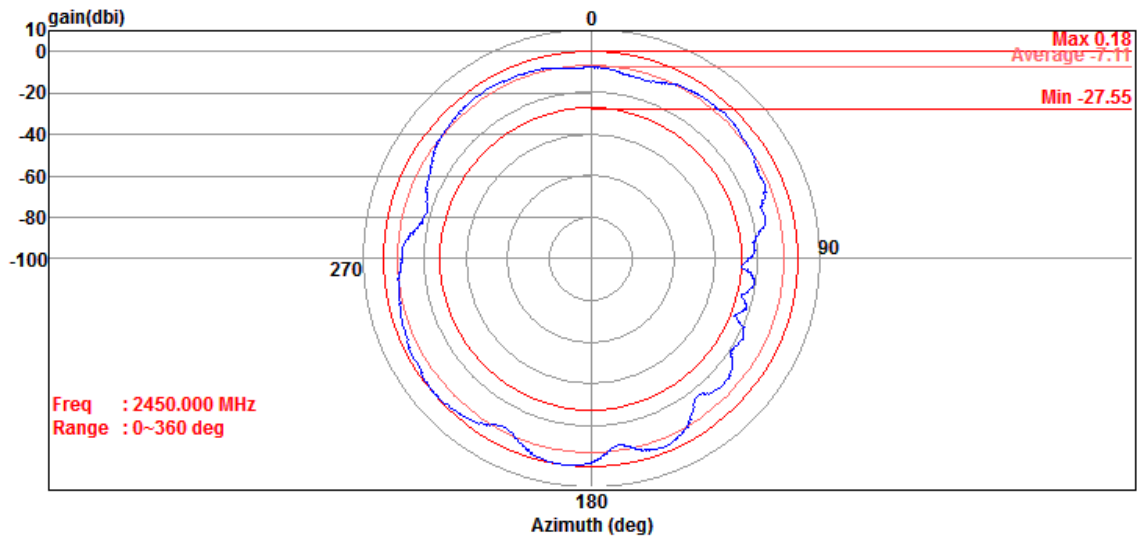


Figure 3

