

ANTENNA TEST REPORT

Product : Monopole antenna
Brand: ALAN
Model: KP362-ANT
Model Difference: N/A
Applicant: ALAN SAFETY COMPANY LIMITED
Address: No.36, Alley 38, Lane 288, Heshun Rd.
Sec.1 Guiren Dist., Tainan City, 71145,
Taiwan(R.O.C.)

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-24LR0127ANT

Issue Date : 2024/09/04

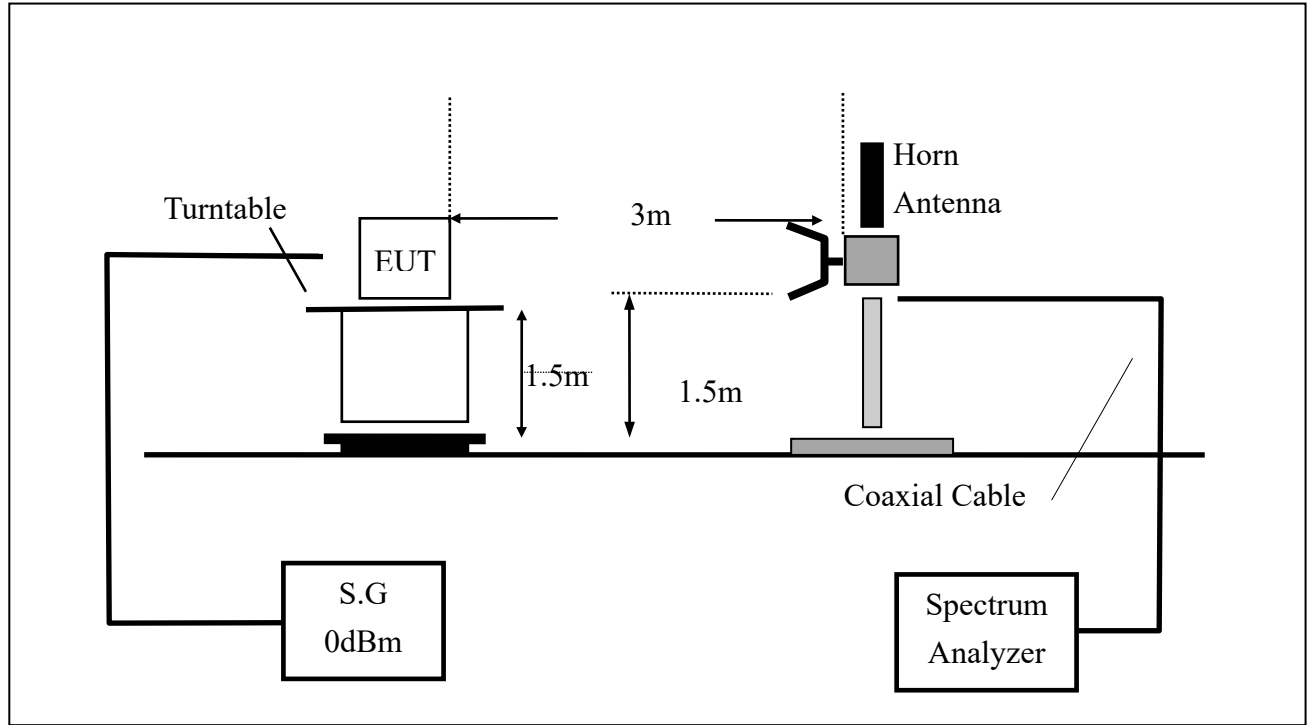
Test By: Kevin Tao

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.

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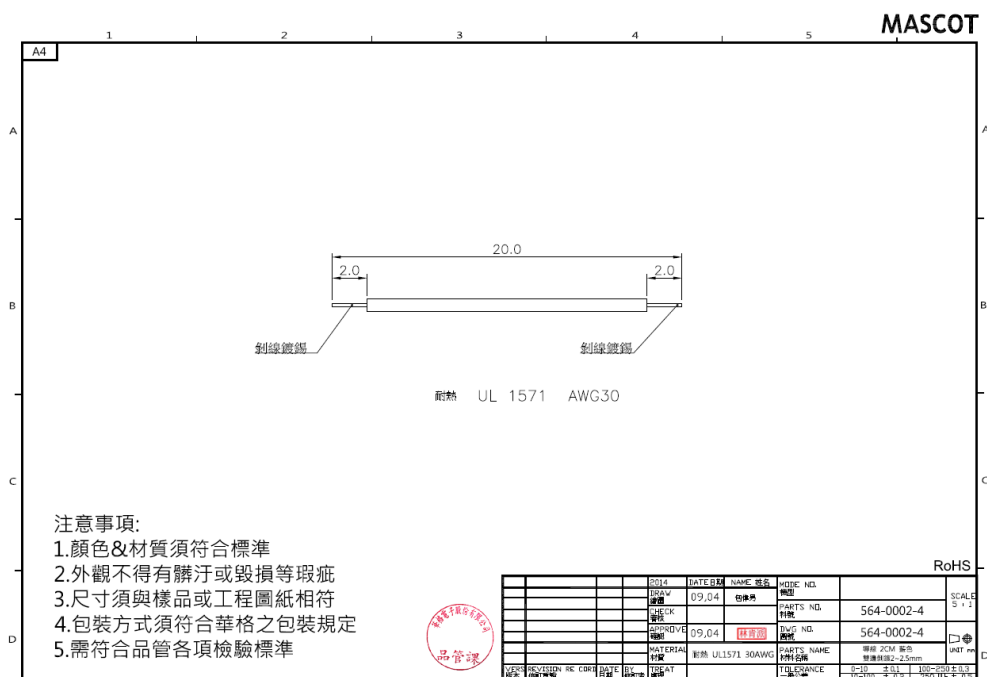
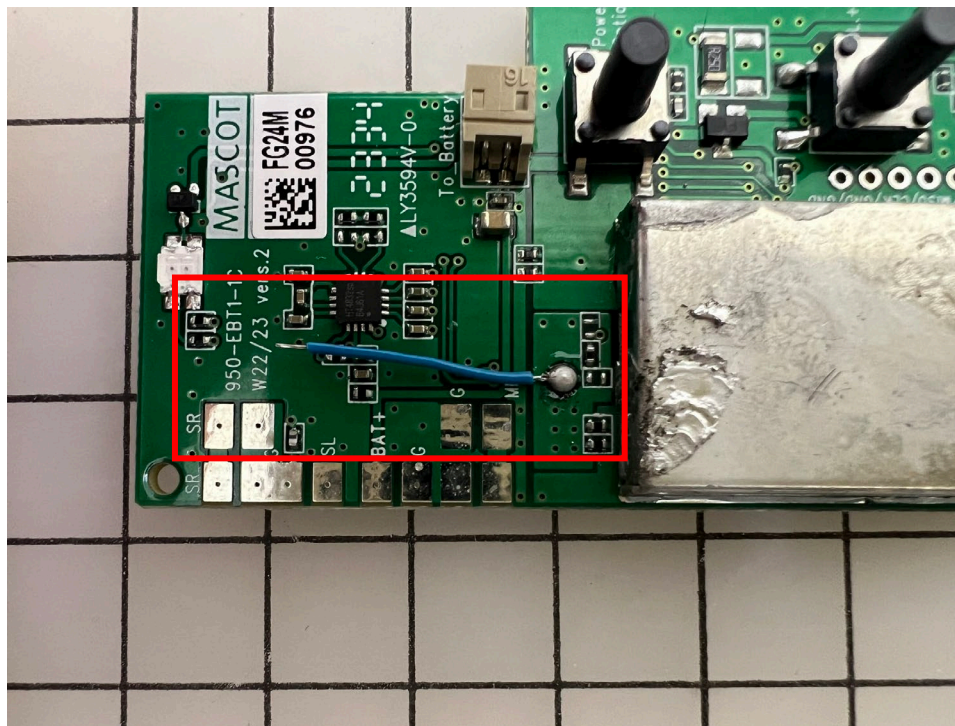
1. Test SET-UP (Block Diagram of Configuration)



Measurement Equipment Used:					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Signal Analyzer (44GHz)	R&S	FSV3044	101463	02/06/2024	02/06/2025
Horn antenna (1GHz - 18GHz)	EM	EM-AH-10180	2011071401	11/27/2023	11/27/2024
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY53052399	12/26/2023	12/26/2024

2. EUT Photo

Figure 1
2.4G Antenna



Test Photo

Figure 1

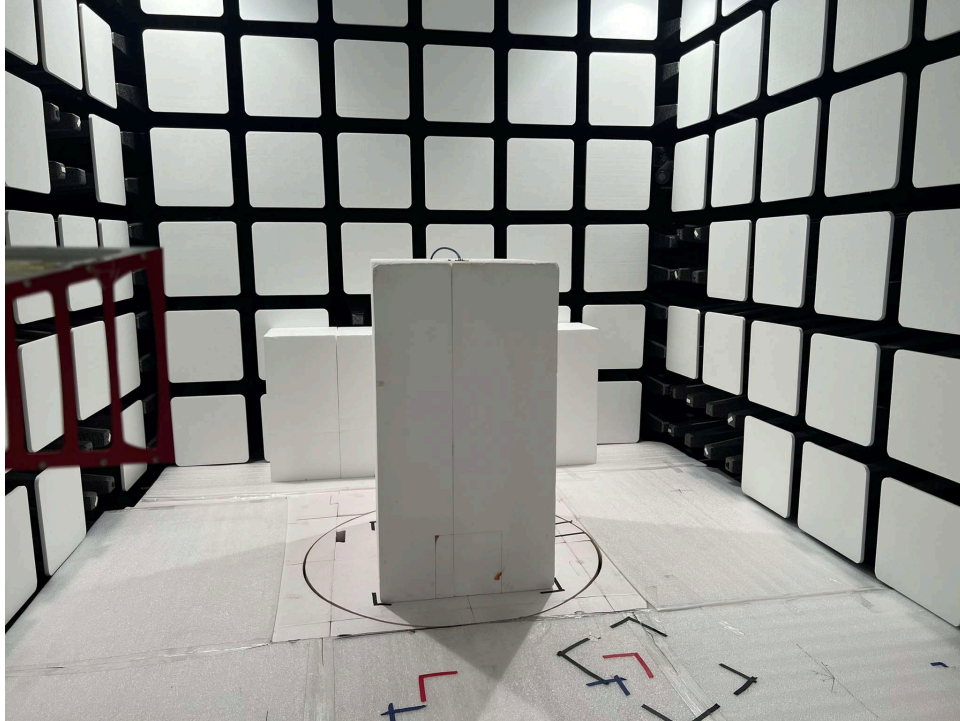


Figure 2

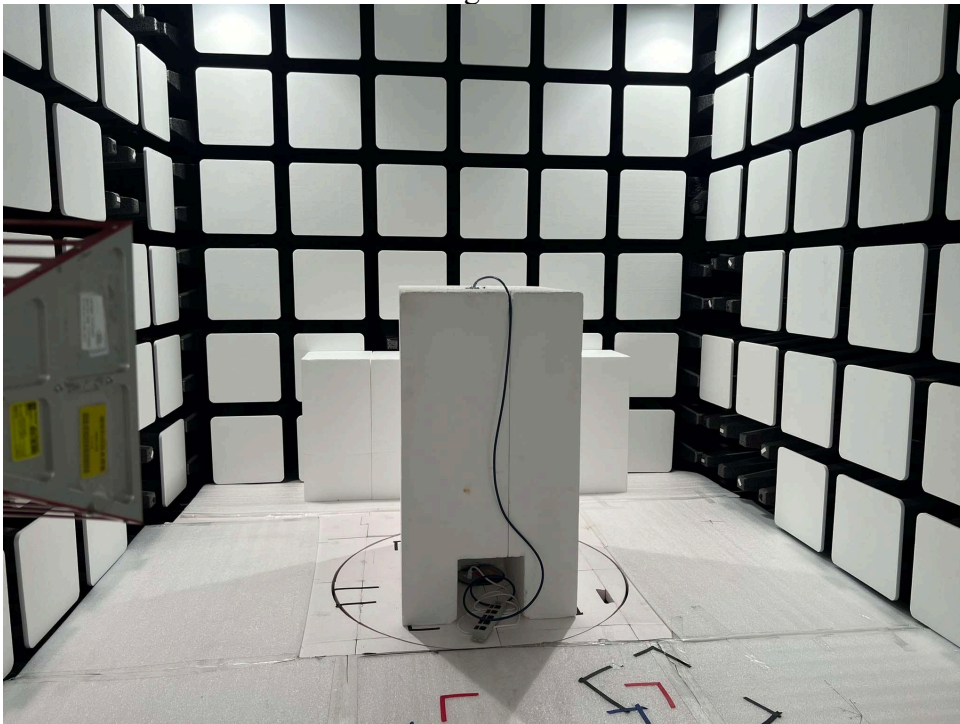
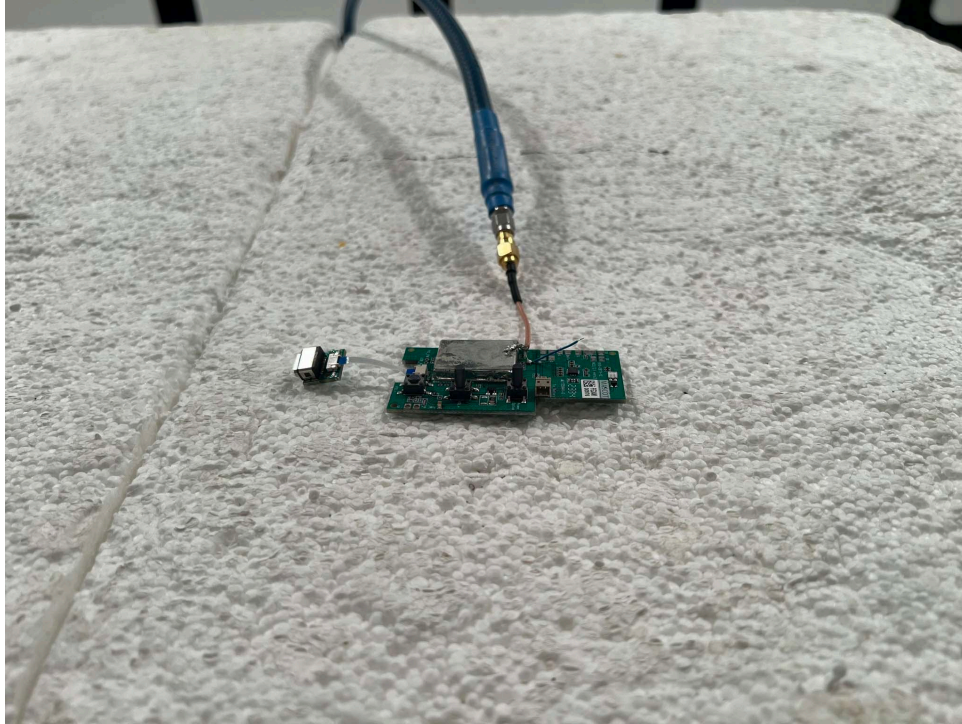


Figure 3



Test Result

2.4G Antenna

Maximum gain test result:	
Maximum antenna Gain	= -3.77 dBi

Antenna Gain	2400	2450	2500	Unit
	-3.77	-4.04	-5.28	dBi

Figure 1. 2.4G Antenna 2400MHz

Figure 2. 2.4G Antenna 2450MHz

Figure 3. 2.4G Antenna 2500MHz

Figure 1

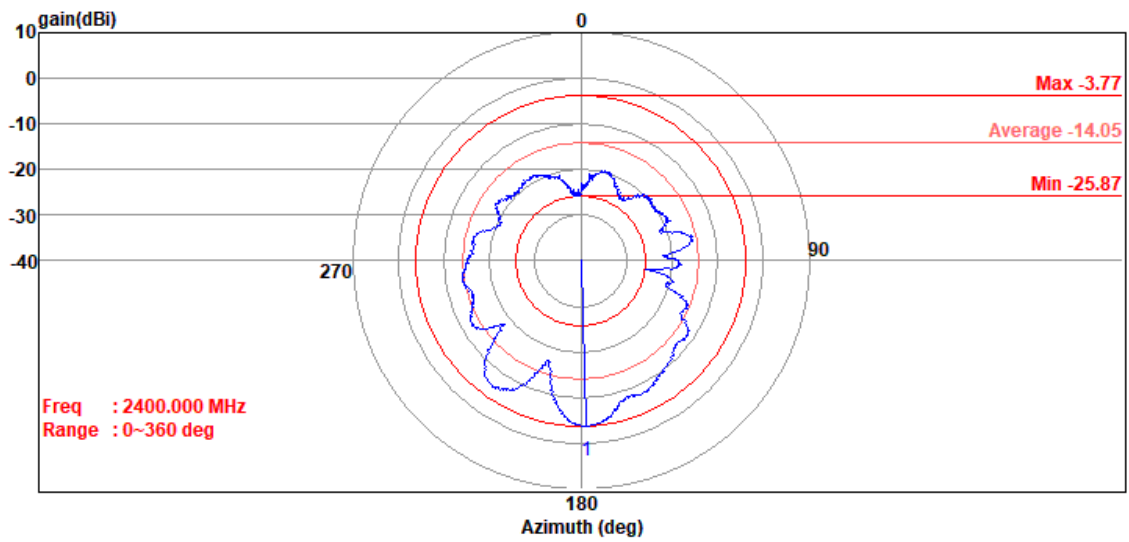


Figure 2

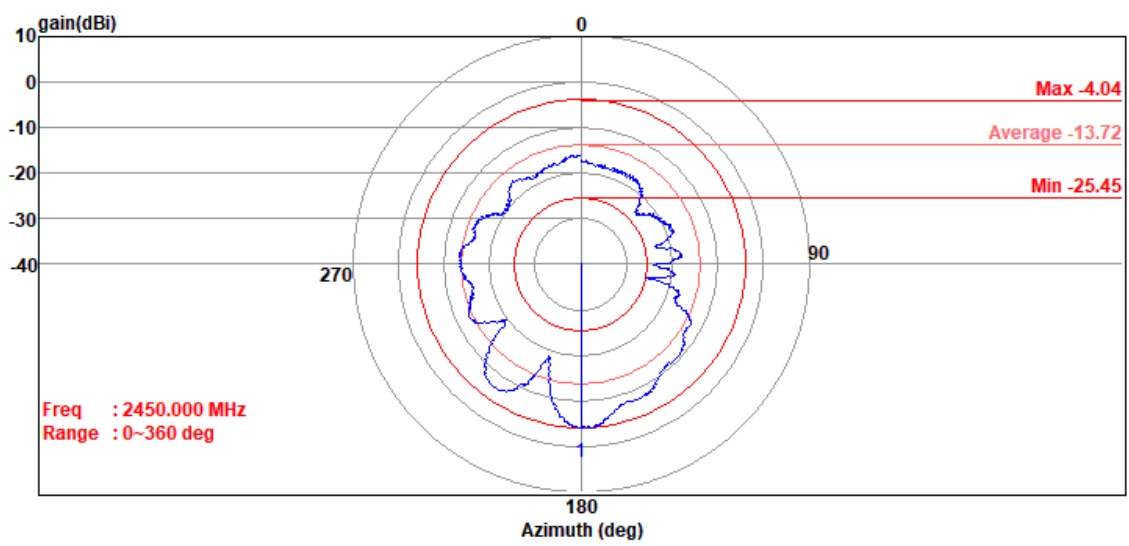


Figure 3

