

ANTENNA TEST REPORT

Product : PCB antenna
Brand: Fanstel
Model: BM20BF
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

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Report No.: ISL-26LR0132ANT

Issue Date : 2026/07/21

Barry Lee

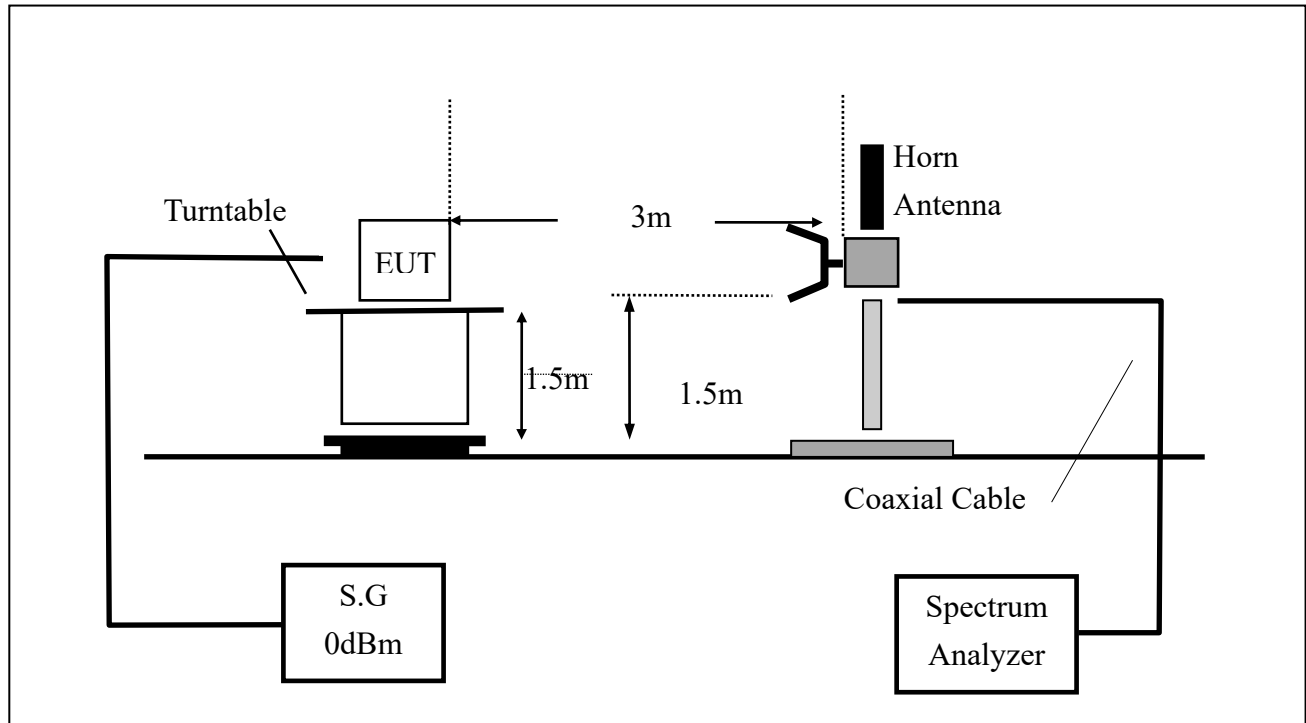
Test By:

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 Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Signal Analyzer (44GHz)	R&S	FSV3044	101463	02/04/2026	02/04/2027
Horn antenna (1GHz - 18GHz)	EM	EM-AH-10180	2011071401	12/09/2025	12/09/2026
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY53052399	12/26/2025	12/26/2027

2. EUT Photo

Figure 1
2.4G Antenna

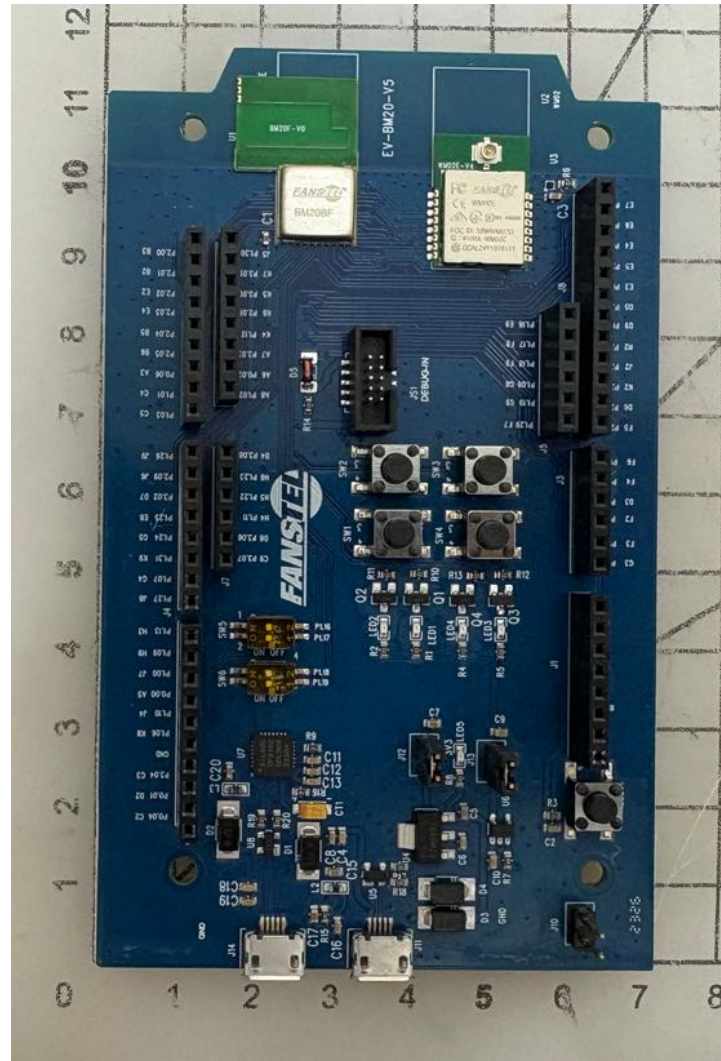
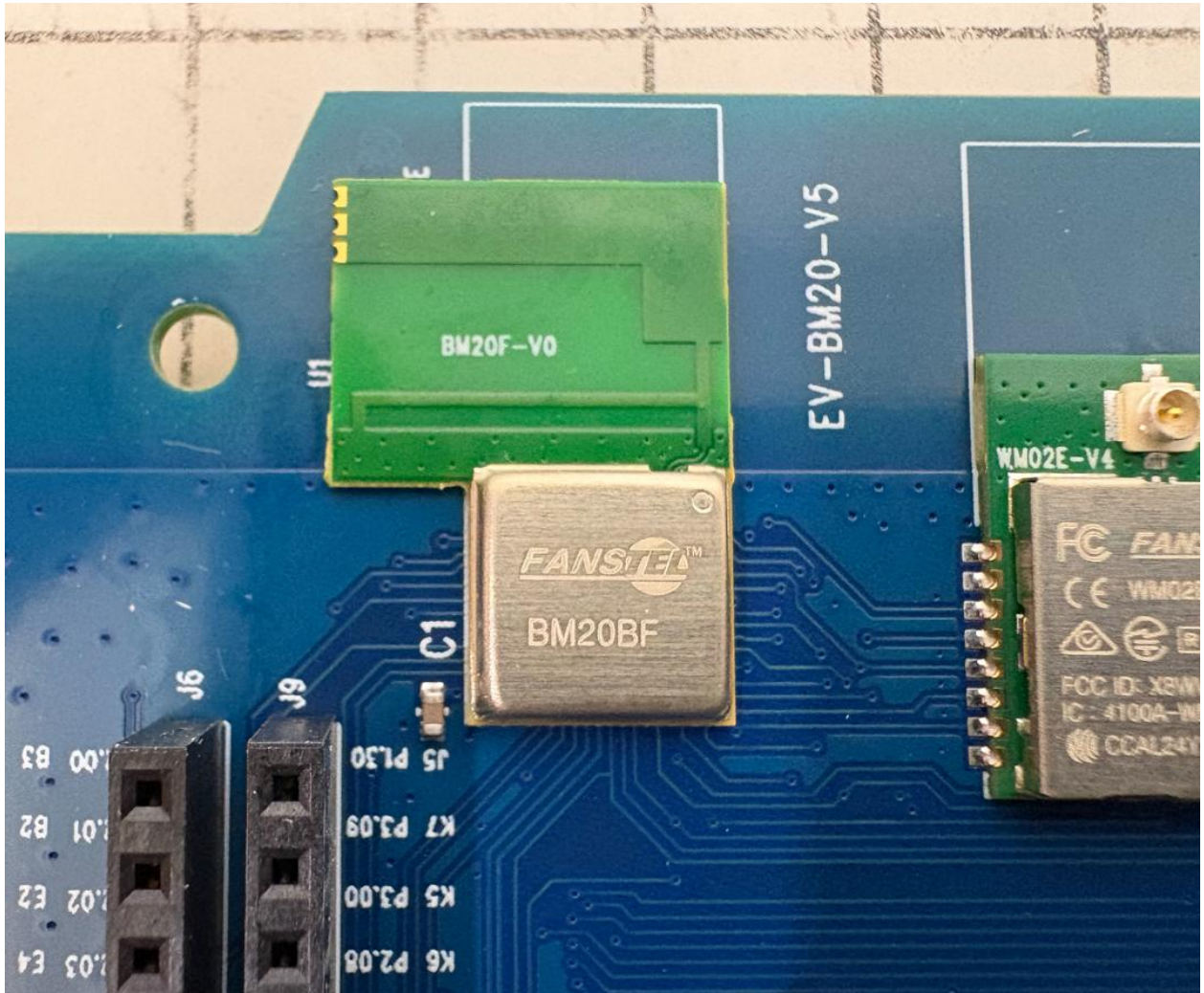


Figure 2



Test Result

2.4G Antenna

Maximum gain test result:	
Maximum antenna Gain	= 4.31 dBi

Antenna Gain	2400	2450	2500	Unit
	4.31	4.08	3.16	dBi

Figure 1. 2.4G Antenna 2400MHz

Figure 2. 2.4G Antenna 2450MHz

Figure 3. 2.4G Antenna 2500MHz

Figure 1

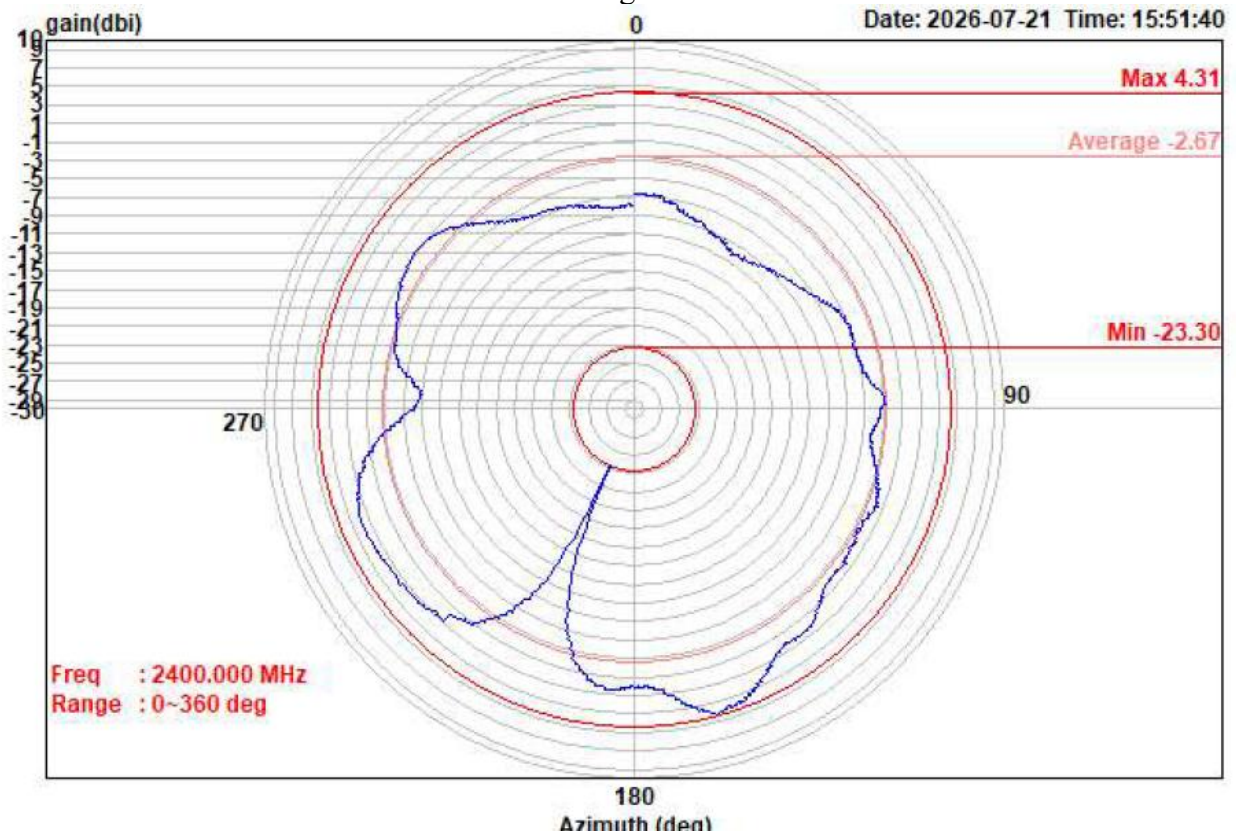


Figure 2

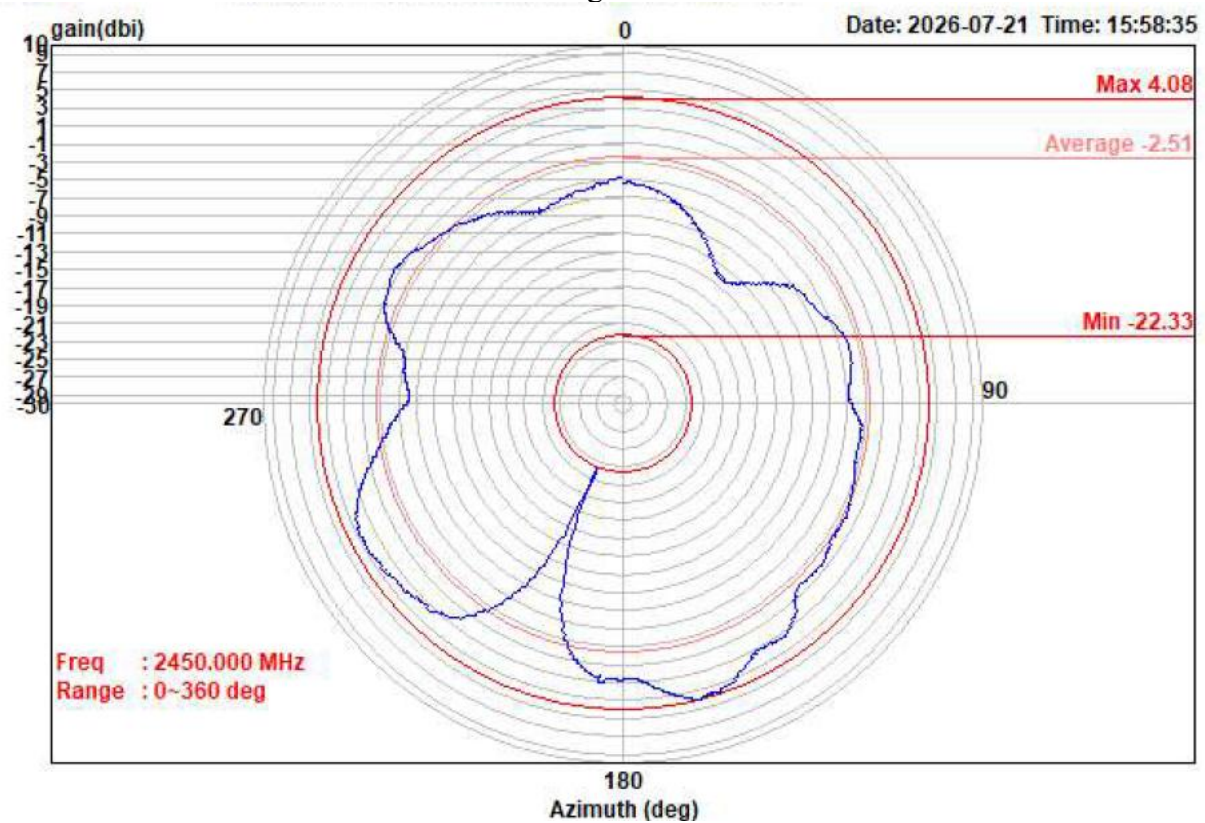


Figure 3

