

Datasheet

Amphenol Wi-Fi Antenna Test report

Document information

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Manufacturer & Site	Amphenol Shanghai
Model No.	PBWV-00M-NRA-B
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Revision History

Version	Date	Note
1.0	2022-12-09	Created
2.0	2023-03-15	Updated

Aim of this Document

The aim of this document is to give a detailed test report of the Wi-Fi antenna.

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1. Test overview

- Antenna Type: On-board antenna
- Test lab: SG1 lab-Amphenol
- Manufacturer Address:
Shanghai Amphenol Airwave Communication Electronics Co., Ltd.
No 689 Shen Nan Road, Xin Zhuang Industry Park,

2. Test equipment and environment

Return loss was performed using an **KEYSIGHT Network Analyzer** and test fixture.

The efficiency of the antenna was measured in **Amphenol's 3D anechoic chamber** in Shanghai, China.

The chamber is a **Satimo Stargate 64 multi-probe system** capable of doing tests from 380MHz to 6GHz.

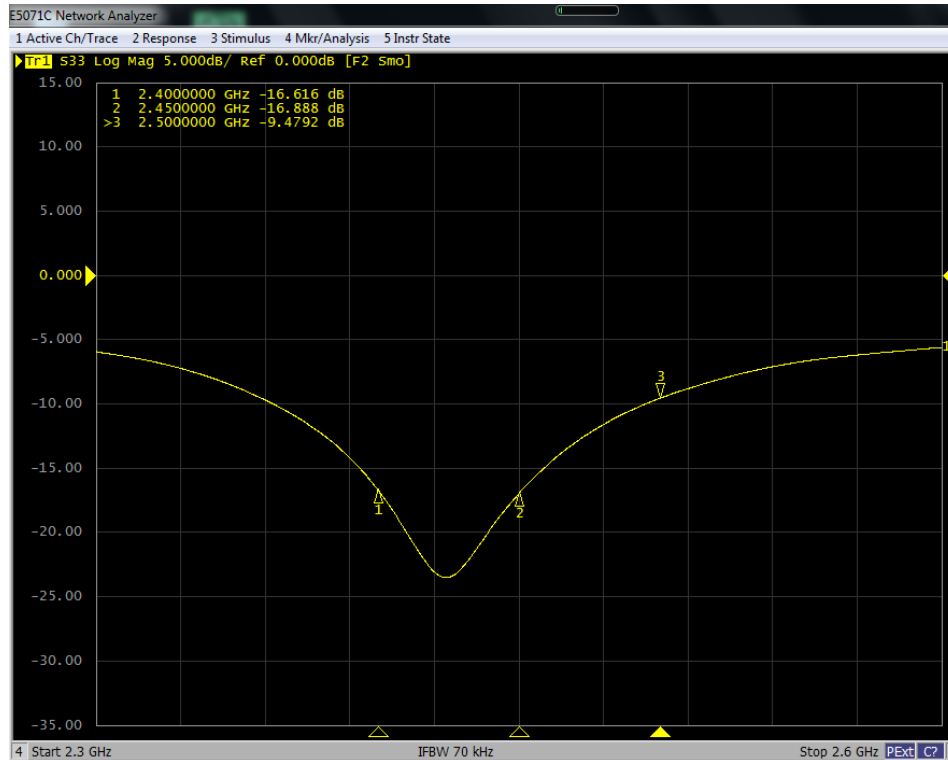
The measurement results are calibrated using dipole standards.

Test equipment:

	Equipment	Calibrate date	Test Soft
For Return loss	KEYSIGHT E5071C	2022-10-10	-
For Radiation Pattern	Satimo Stargate 64 multi-probe system	2023-03-01	Satimo

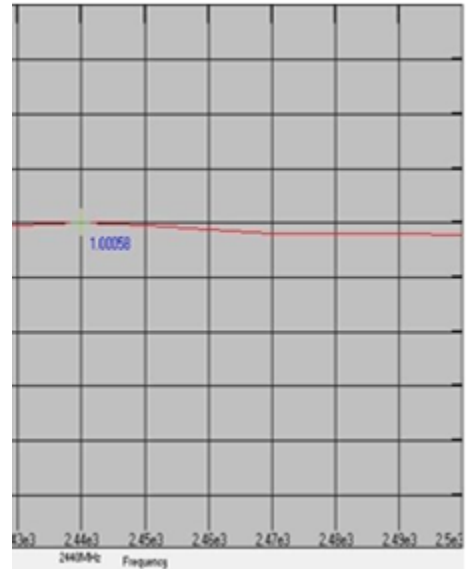
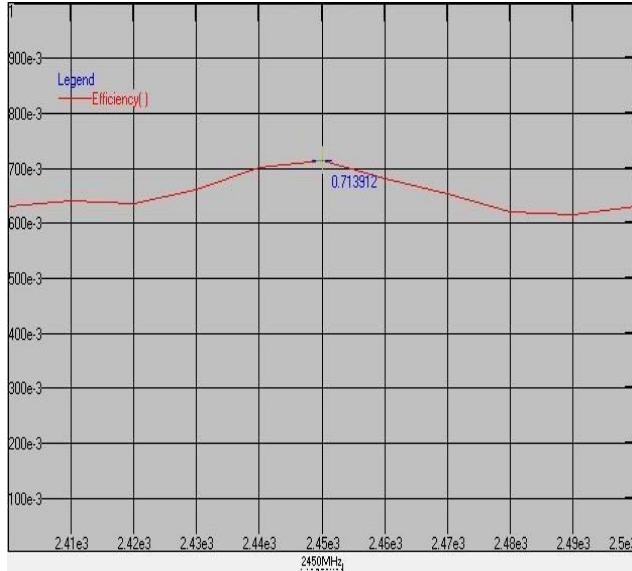
3. Test result - Return Loss

Return loss of the Wi-Fi Ant 1.



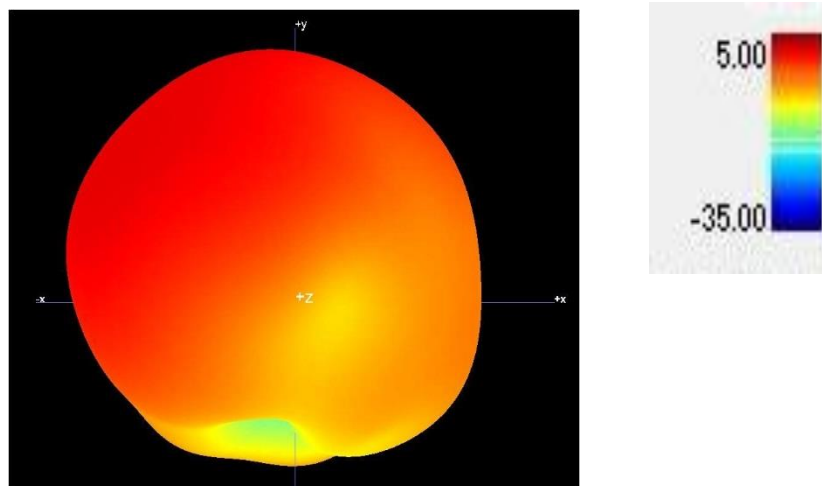
4. Test result – Efficiency & Peak Gain

Efficiency and Peak Gain of Wi-Fi Ant 1 @ 2.4G.



5. Test result – 3D & 2D Radiation Patterns

3D Patterns of Wi-Fi Ant 1 @ 2.4G.



2D Patterns and test date of Wi-Fi Ant 1 @ 2.4G.

