

Antenna Test Report for Afero _Wi-Fi/BLE 2.4GHz Module

Oct. 31. 2022

Rev.01

2.4GHz Module w/ carrier PCB

– **VSWR**

- Under 2.6 for 2.4GHz Module(non fine-tune) w/ carrier PCB
- Under 2.2 for 2.4GHz Module(fine-tune) w/ carrier PCB

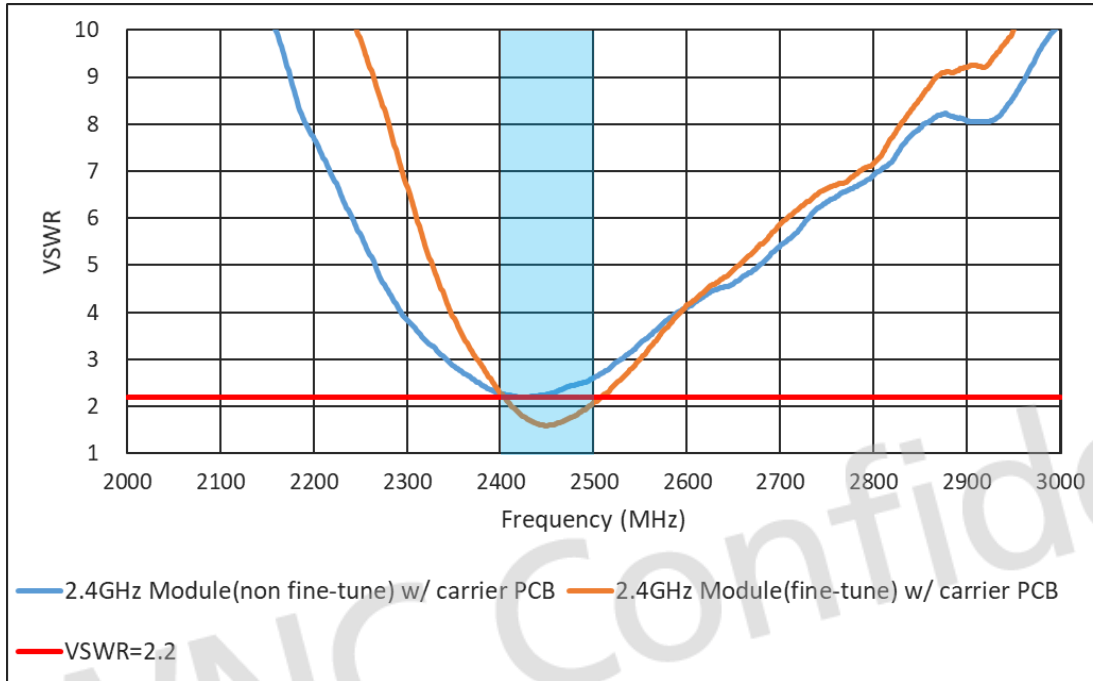
– **Average radiation efficiency**

- 55.9% for 2.4GHz Module(non fine-tune) w/ carrier PCB
- 57.4% for 2.4GHz Module(fine-tune) w/ carrier PCB

– **Peak gain**

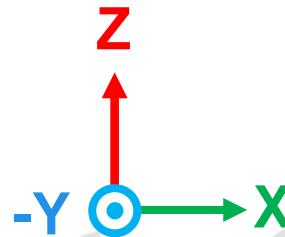
- Max 1.2dBi for 2.4GHz Module(non fine-tune) w/ carrier PCB
- Max 1.3dBi for 2.4GHz Module(fine-tune) w/ carrier PCB

VSWR



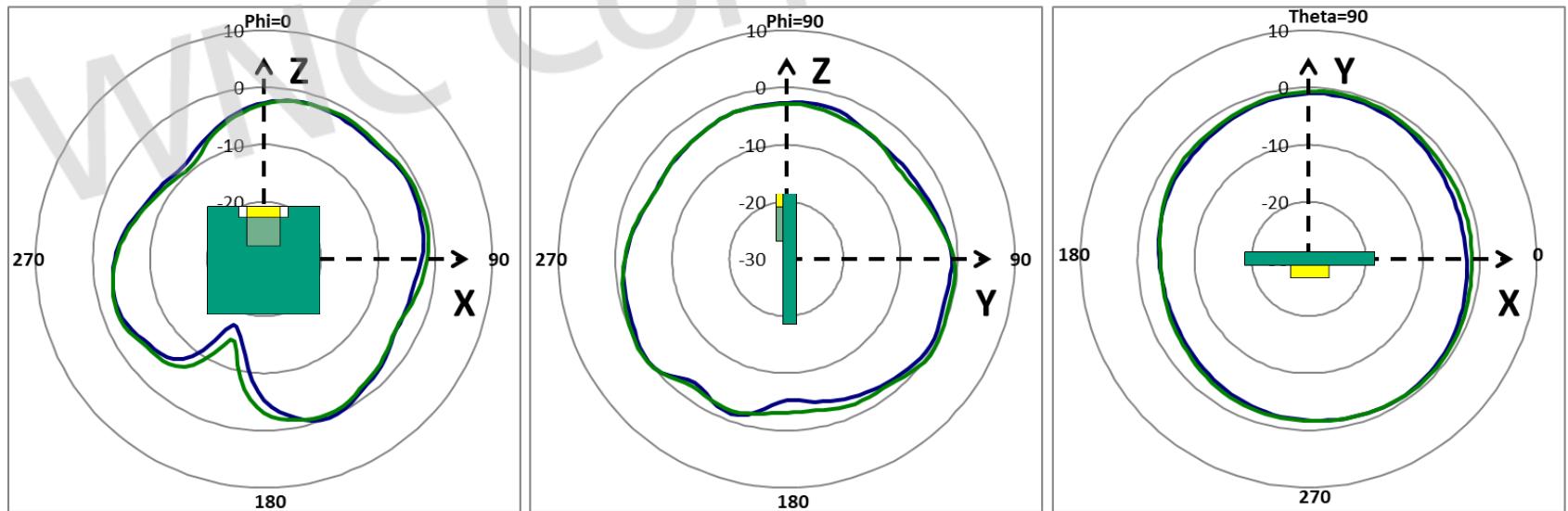
2.4GHz Module(non fine-tune)	2400	2450	2500	avg.
Eff.	56.0%	58.0%	53.7%	55.9%
Eff. dB	-2.52	-2.36	-2.70	
Peak Gain	0.95	1.28	1.01	
2.4GHz Module(fine-tune)	2400	2450	2500	avg.
Eff.	52.5%	62.1%	57.5%	57.4%
Eff. dB	-2.80	-2.07	-2.40	
Peak Gain	0.47	1.37	1.10	

Radiation Pattern for Wi-Fi/BLE 2.4GHz



2.4 GHz Radiation Pattern

- 2.4GHz Module(non fine-tune) w/ carrier PCB
- 2.4GHz Module(fine-tune) w/ carrier PCB



The logo consists of the letters 'WNC' in a bold, italicized, blue sans-serif font. The 'W' and 'C' are connected at the top, and the 'N' is positioned between them. The background of the entire image is a photograph of a modern glass-walled office building under a clear blue sky, with some green foliage in the foreground on the left.

WNC

Wistron NeWeb Corp.

WNC Confidential

A smaller version of the 'WNC' logo is mounted on a grey rectangular sign on the side of the building. The sign is positioned to the left of the main glass facade of the building.

WNC