

Shenzhen QiWang Kewen Technology Co., Ltd

Product antenna tuning and testing report

1. Project Overview

Customer Name	Project Name	Antenna implementation method	antenna manufacturer
/	/	4217F head-mounted on-board antenna	Kiwon Science and Culture
Operating frequency band (MHz)			antenna gain
2.4G	2400-2500 MHz		< 3dBi

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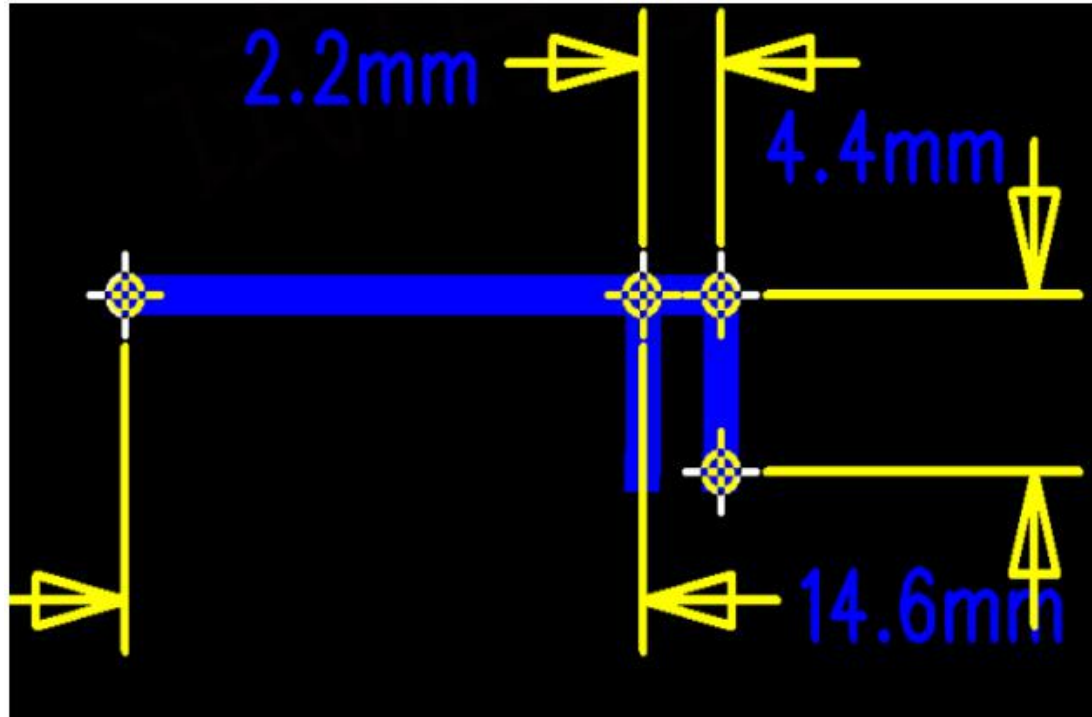
catalogue

4. On-board antenna diagram

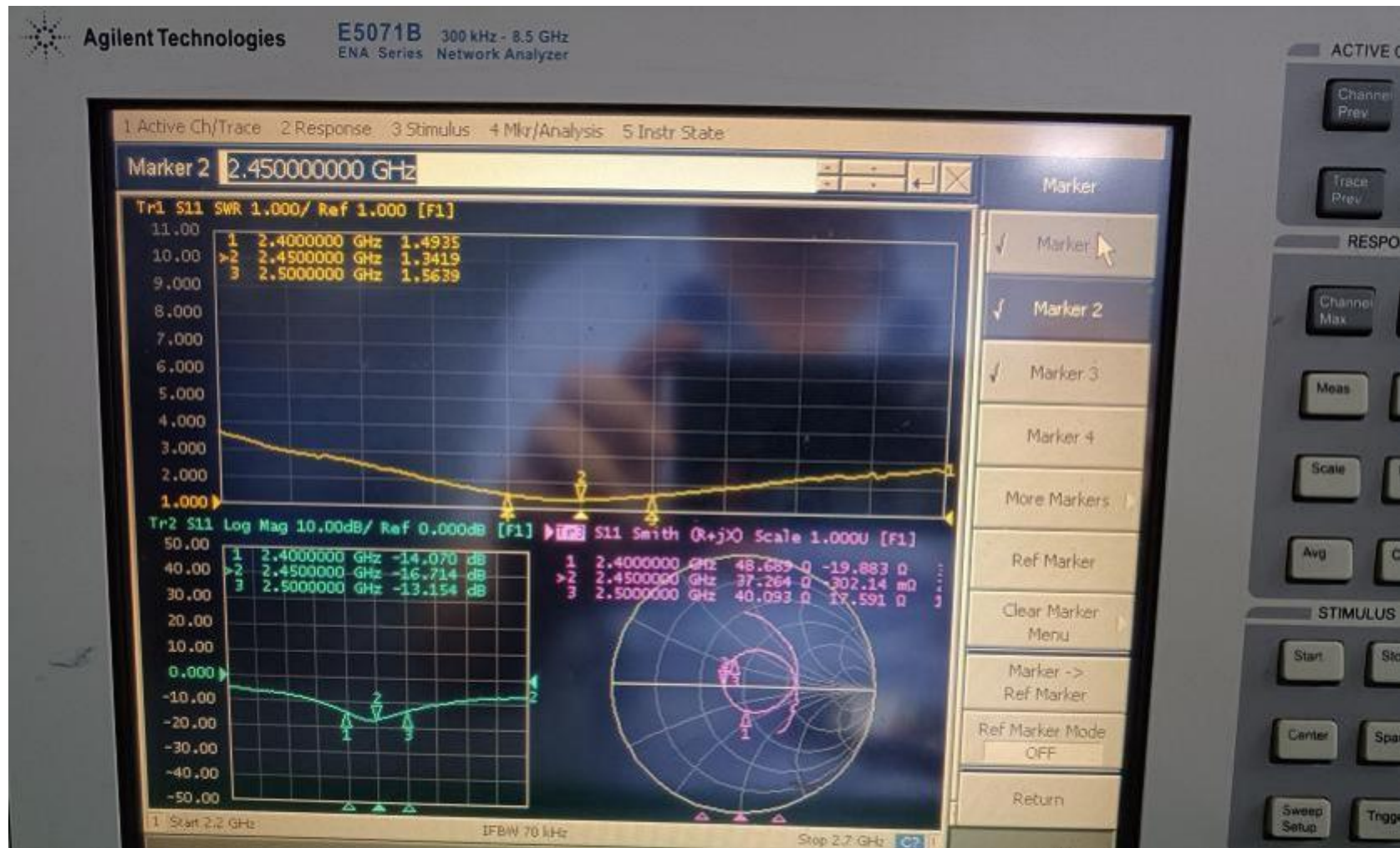
5. Network analyzer test standing wave
diagram 6. Passive data

7. Passive 2D and 3D diagrams

Physical image of on-board antenna



Network analyzer test standing wave diagram

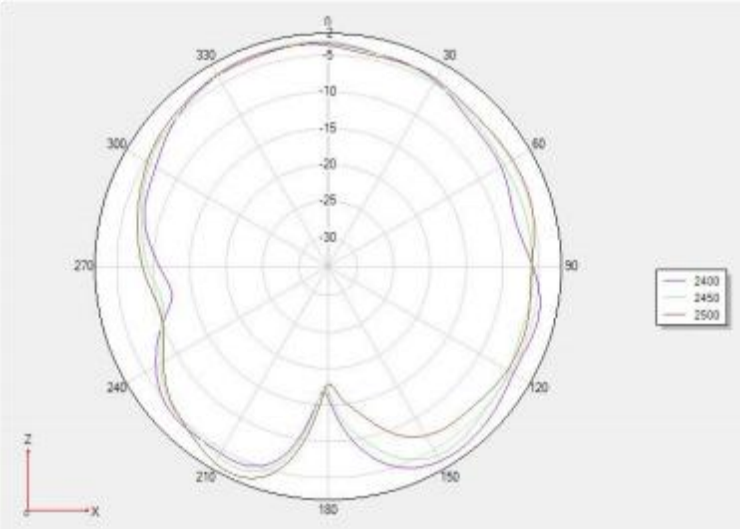


2.4G passive test data

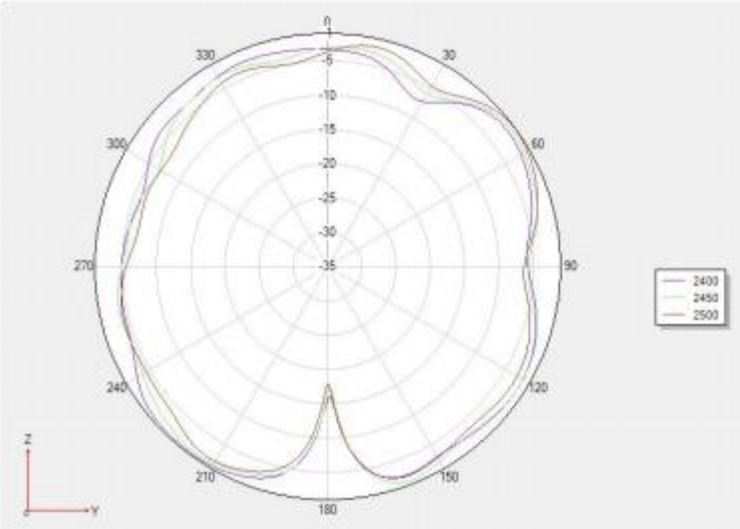
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	38. 19	1.71
2410MHz	39. 17	1.99
2420MHz	39.72	1.74
2430MHz	39.26	1.62
2440MHz	40.74	1.88
2450MHz	42. 17	2. 18
2460MHz	41.5	2.05
2470MHz	41.5	2.07
2480MHz	42.07	2.47
2490MHz	41.3	2.08
2500MHz	40.09	1.87

Antenna test 2D3D diagram

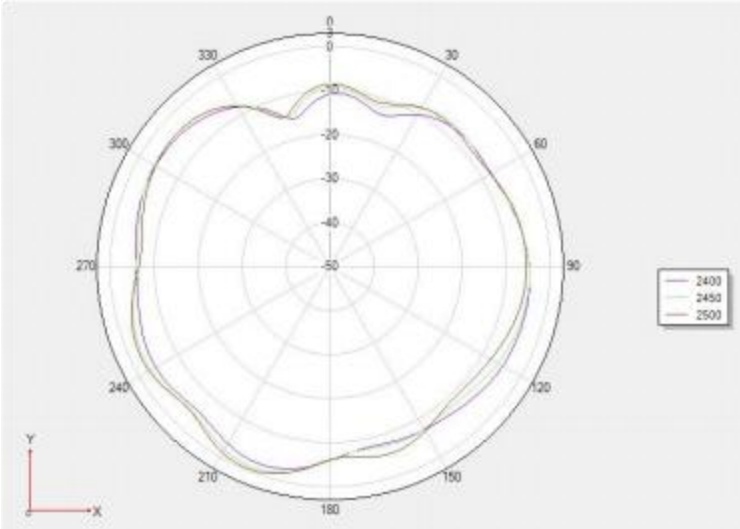
Phi 0 2D图



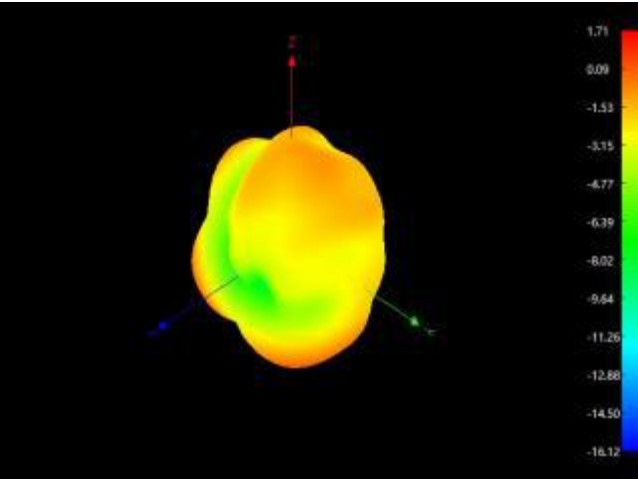
Phi 90 2D图



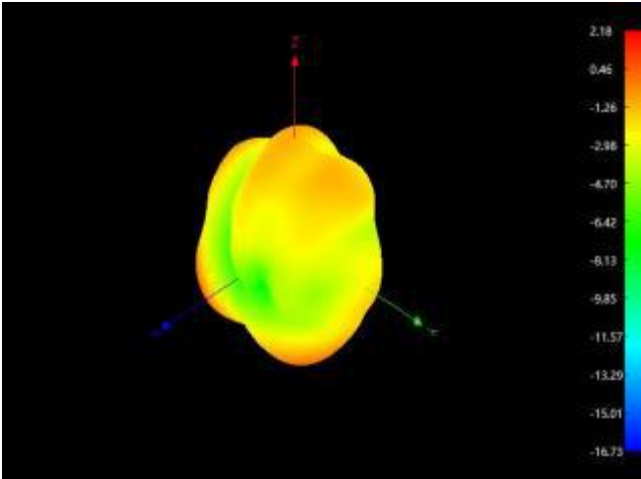
Theta 90 2D图



2400



2450



2500

