Antenna Test Report

Test Standard: GB/T9401-2008;ANSI/IEEE 149-1979

Manufacturer: Dongguan Qianhe Electronic Technology Co., Ltd.

Product Name: Vick neo 2

Model: SPM03E

Report No.: SSP24112909A

Tested Date: 2024-11-26

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Approved By: Lahm Peng (Manager)

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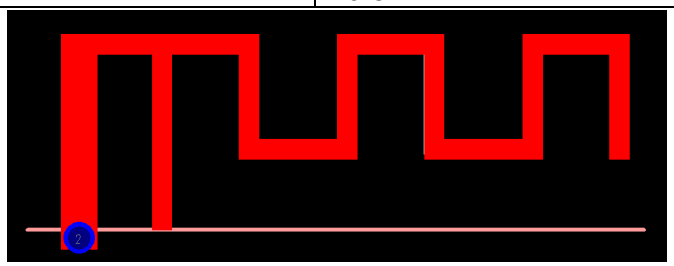
1. General Information

1.1 Product Information

Manufacturer	
Manufacturer:	Dongguan Qianhe Electronic Technology Co., Ltd.
Address of Manufacturer:	Building 3,No.3, Chang'an Fengsheng Road, Chang'an Town, Dongguan, Guangdong,China

General Description of Antenna	
Product Name:	Vick neo 2
Model No.:	SPM03E
Frequency Range:	2400-2500MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	-8.39dBi (Max.)
Impedance:	40 ohm



1.2 Test Methodology

All measurements contained in this report were conducted with standards IEEE 149-1979 for IEEE Standard Test Procedures for Antennas.

1.3 Test Facilities

Testing Lab: ShenzhenZRLK Testing Technology Co., Ltd.
All measurement facilities used to collect the measurement data are located at 1F, No. 35 Building,Changxing Technology Industrial Park. Yutang Street, Guangming New District, Shenzhen City, Guangdong Province, China

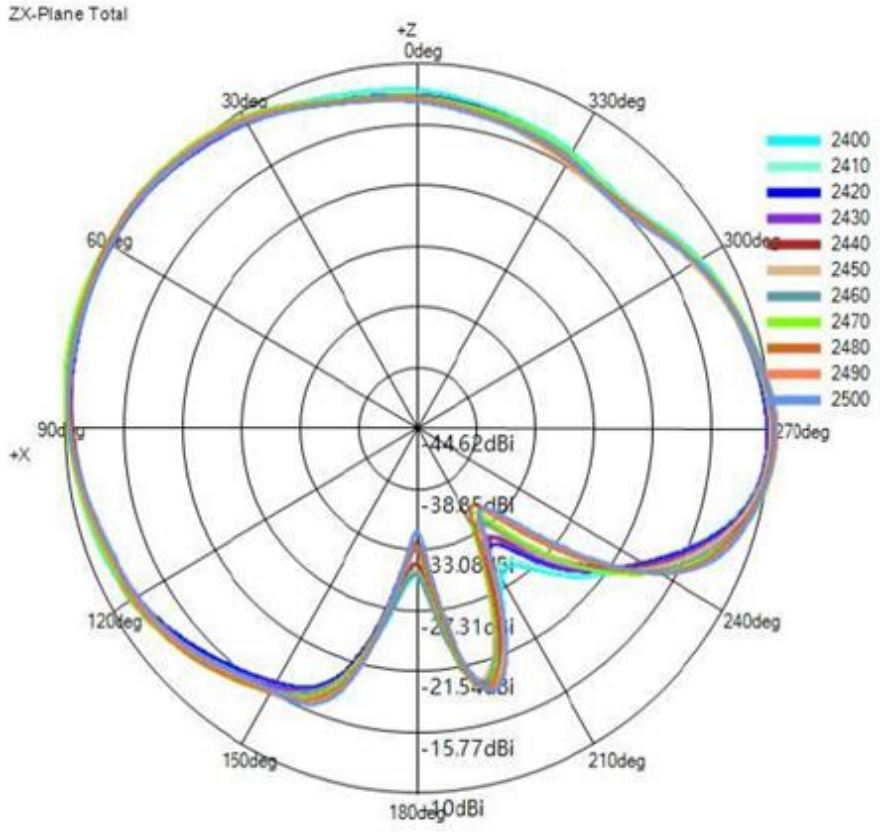
2. OTA Test

2.1 Gain

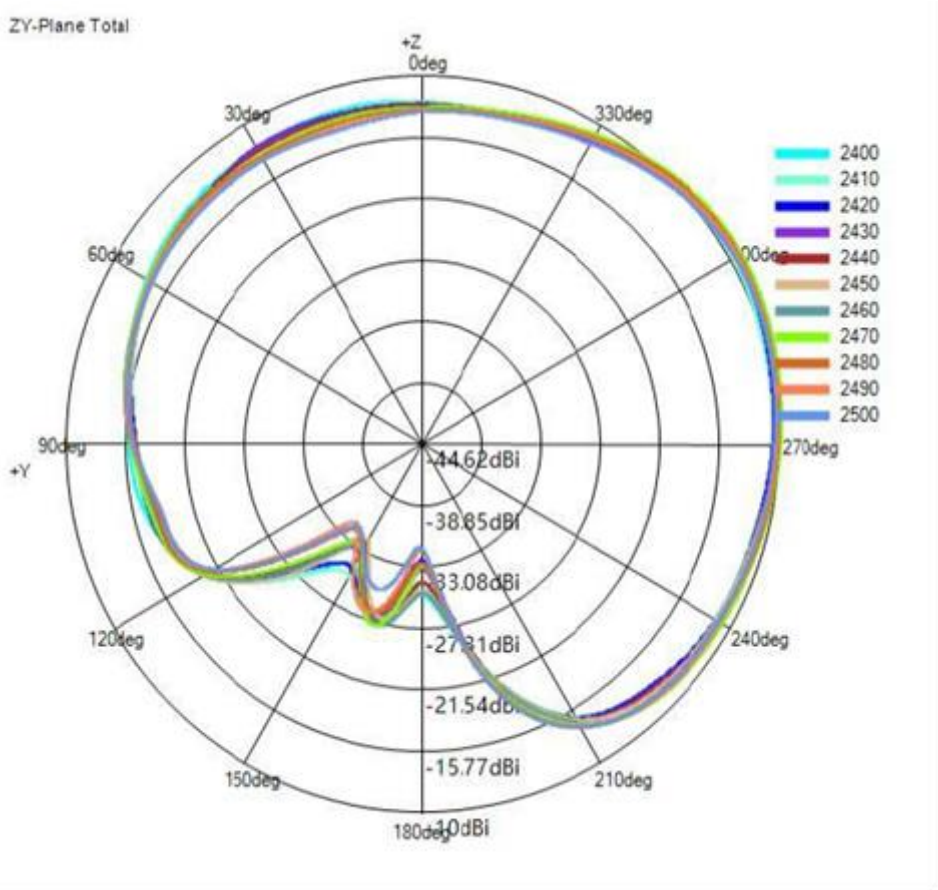
Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	-8.95	-9.22	-9.09	-8.85	-8.67	-8.65	-8.50	-8.39	-8.48	-8.43	-8.59
Efficiency/%	5.94	5.76	5.70	5.84	5.92	5.89	6.21	6.43	6.12	6.00	5.88

2.2 Radiation Pattern View

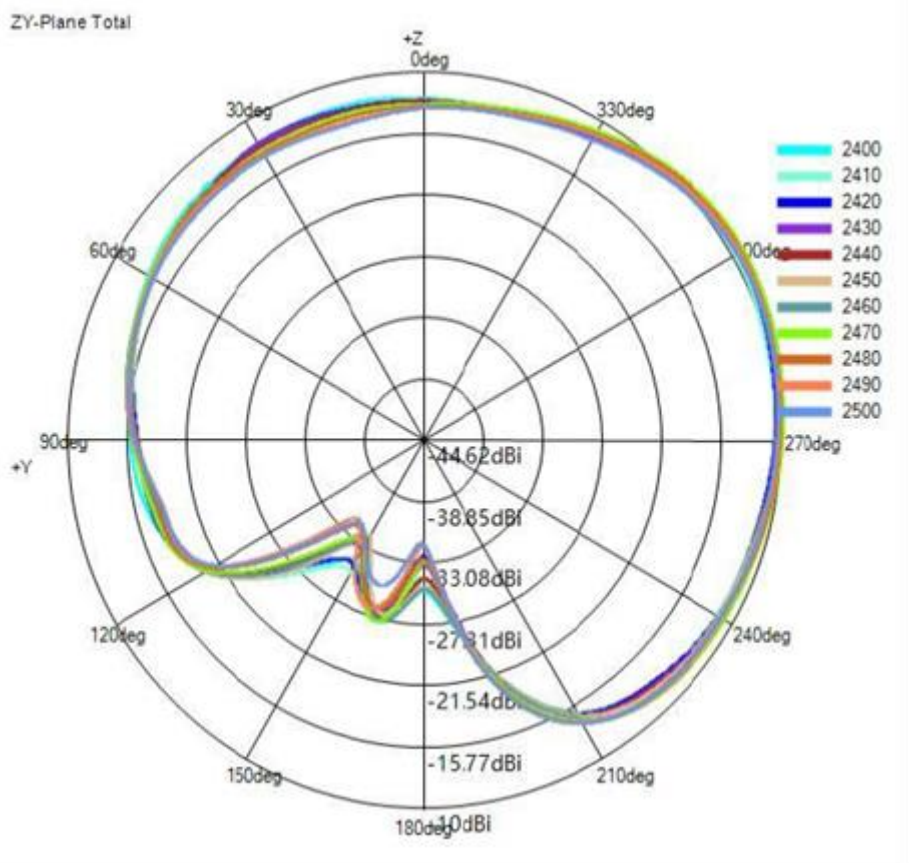
(1) X-Z Plane(unit:dBi):



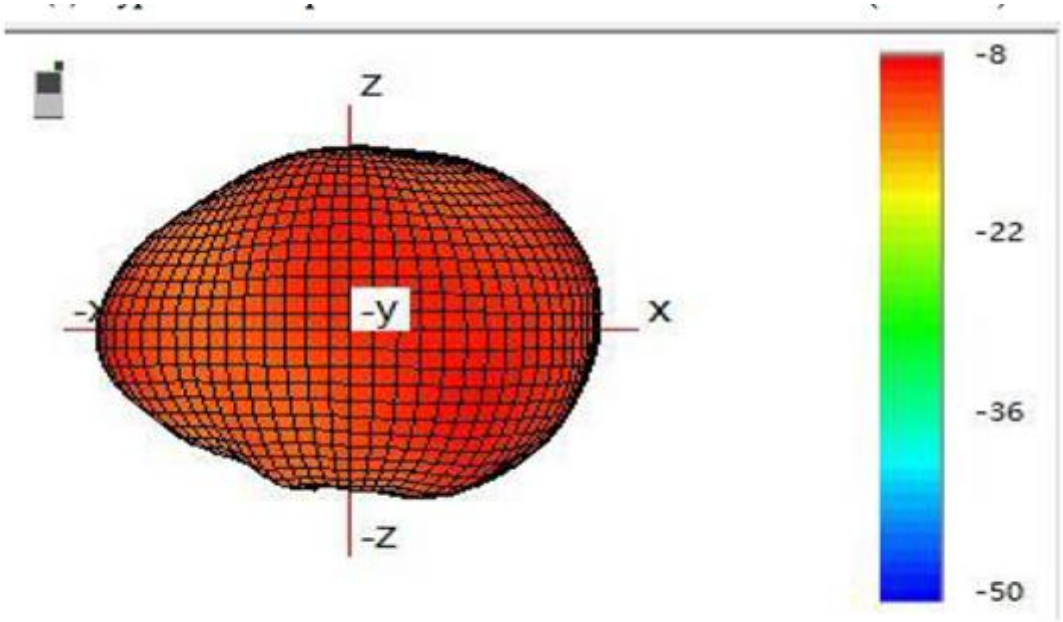
(2) Y-Z Plane(unit:dBi):



(3)X-Y Plane(unit:dBi):



(4) Typical Free Space 3D Radiation Pattern at2.47GHz(unit:dBi):



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