

Antenna specification

Manufacturer: Shenzhen Minzhan Technology
Development Co., Ltd

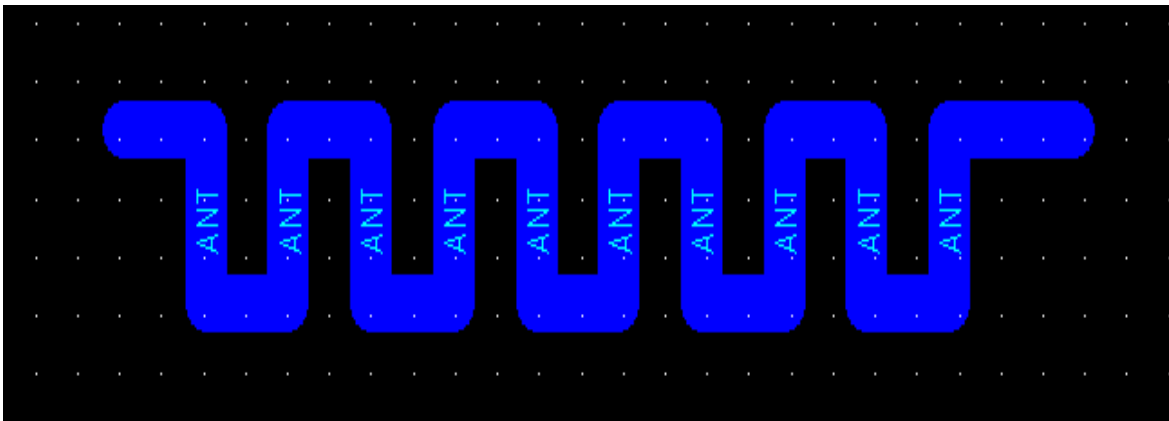
Address: 202, Building 3, Phase I, Shenzhen
Software Park, Science and Technology Middle 2nd
Road, High-tech Zone, Nanshan District, Shenzhen

Applications

※Bluetooth Home RF

※ISM band 2.4GHz applications

1. Dimensions



Size: 35mm x 15mm

2. Specifications

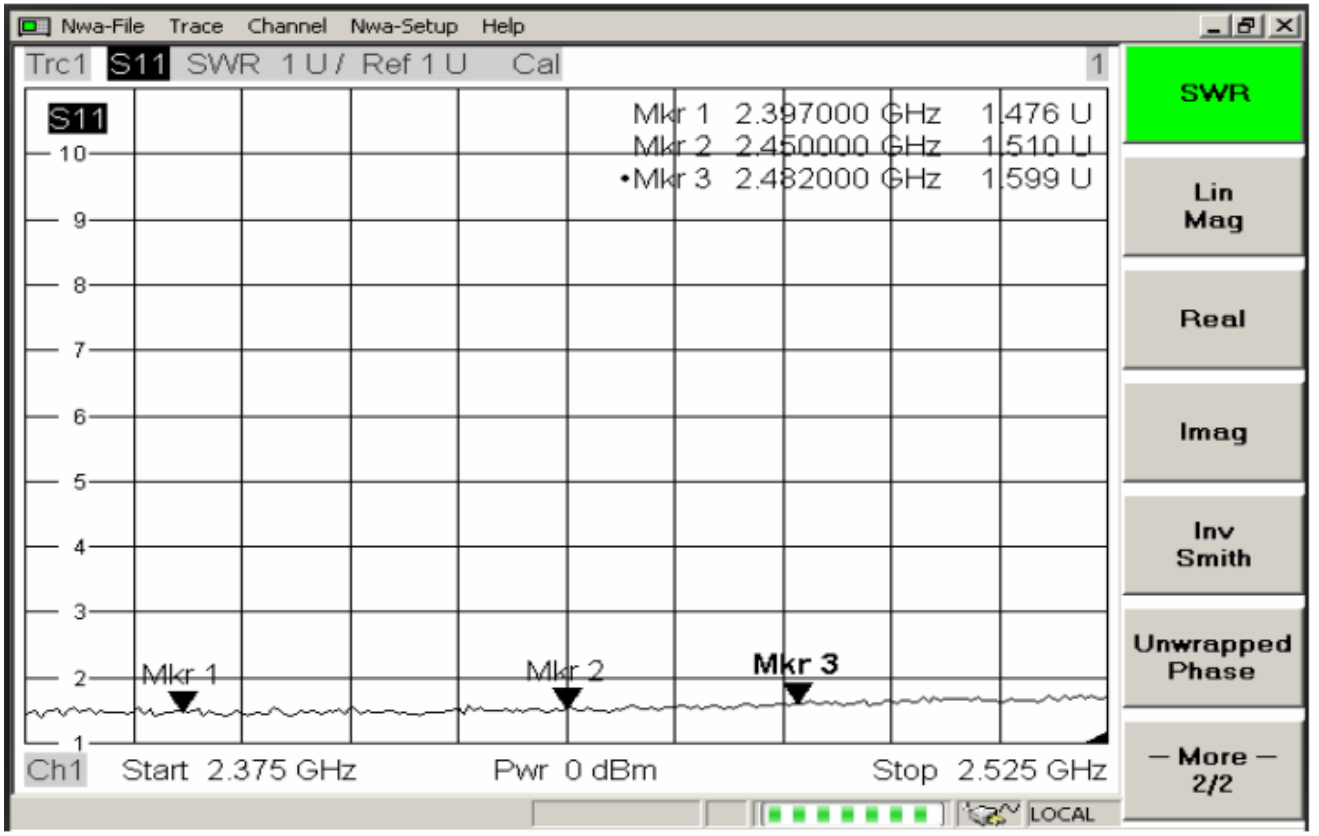
number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	0dBi
4	VSWR	≤2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni - directional
7	Impedance	50 欧姆
8	Modulation mode	GFSK

3. Instrument testing, software simulation parameters

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① VSWR

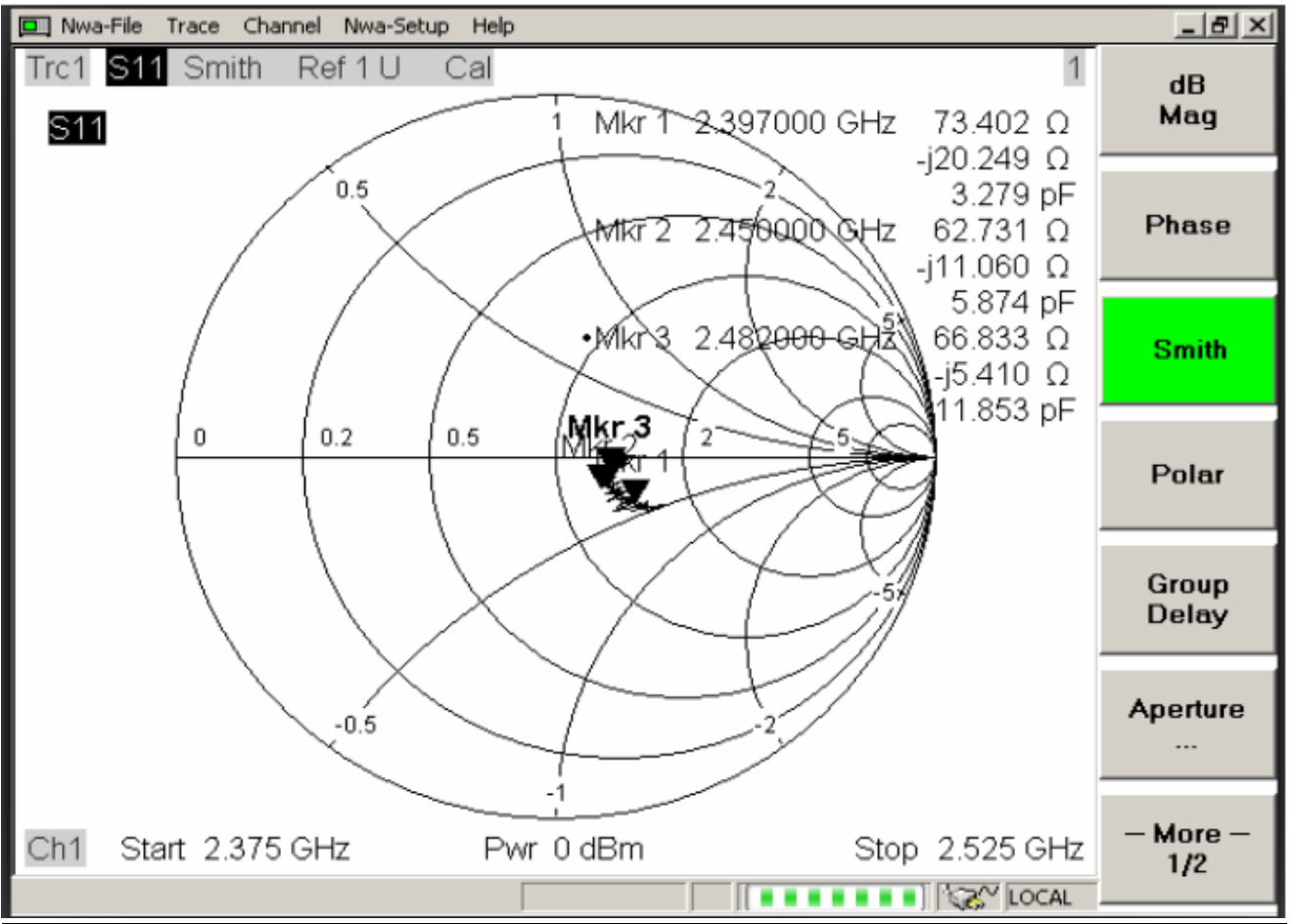
Mkr1: 2397MHz 1.47 Mkr2: 2450MHz 1.51 Mkr3: 2482 MHz 1.59



②Smith Char

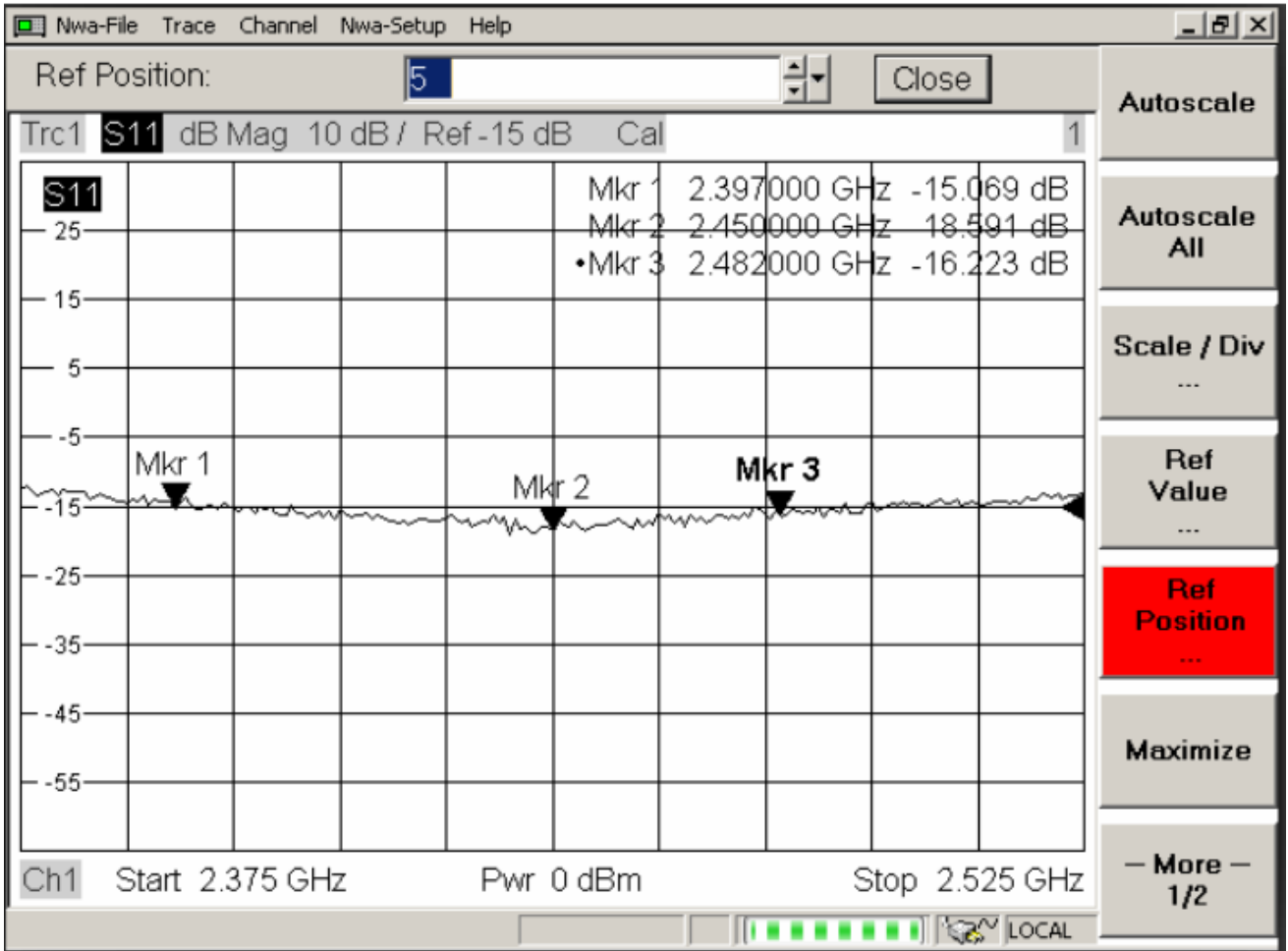
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Mkr1: 2397MHz 73.4 Mkr2: 2450MHz 62.7 Mkr3: 2482MHz 66.8



③Return Loss

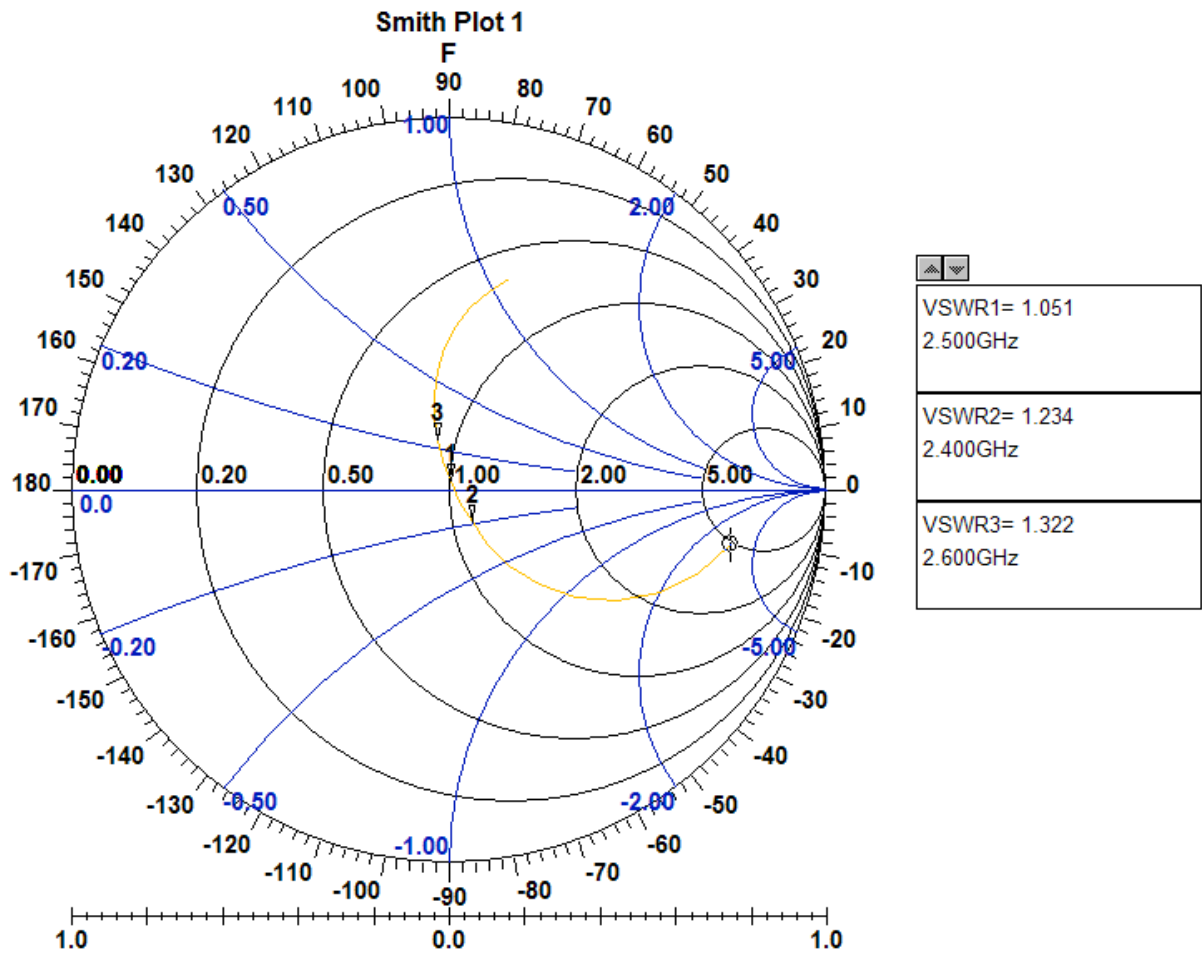
Mkr1: 2397MHz -15 Mkr2: 2450MHz -18 Mkr3: 2482 MHz -16



④ Smith Char emulation

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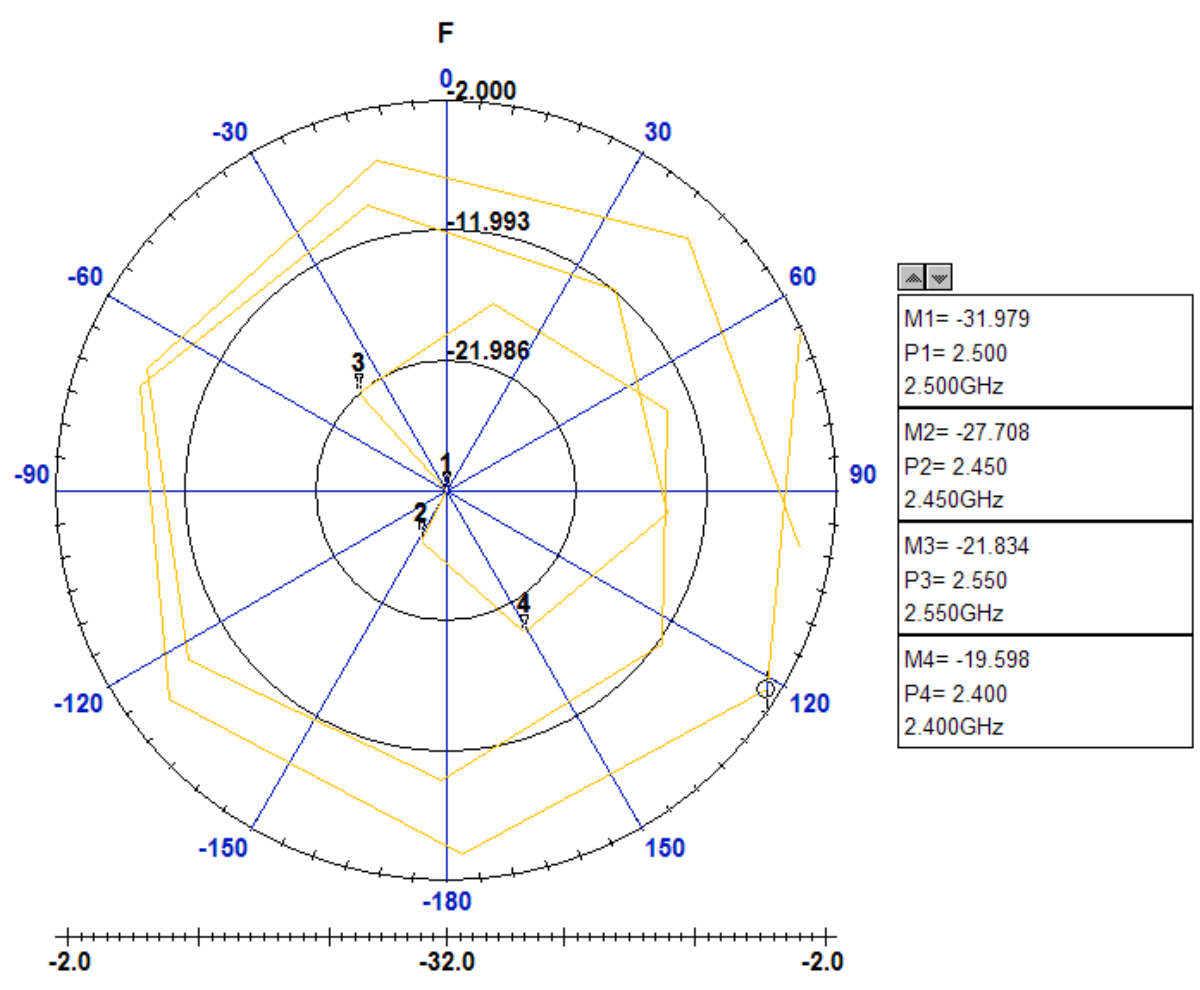
Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051 Mkr3: 2600MHz 1.322



⑤Return Loss emulation

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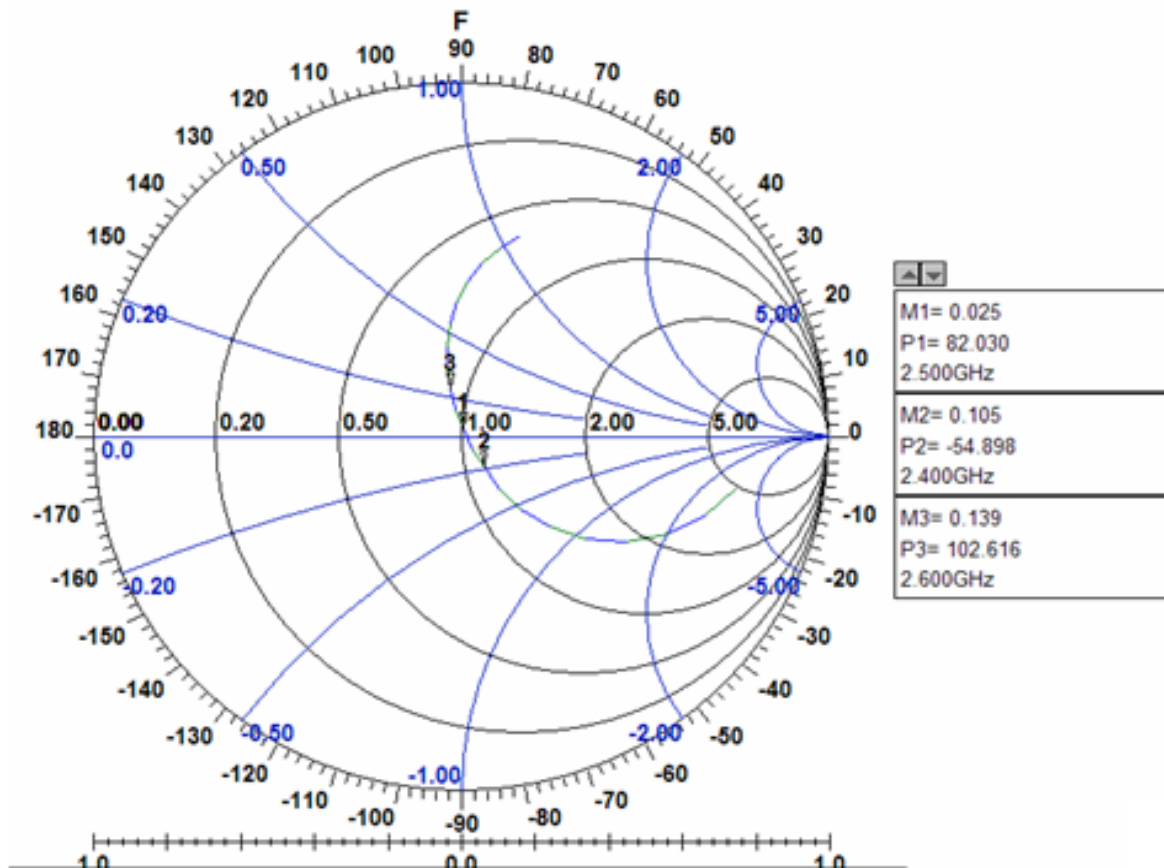
Mkr1: 2400MHz -19.59 Mkr2: 2450MHz -27.70 Mkr3: 2500MHz -31.97
Mkr4: 2550MHz -21.83



⑥Phase emulation

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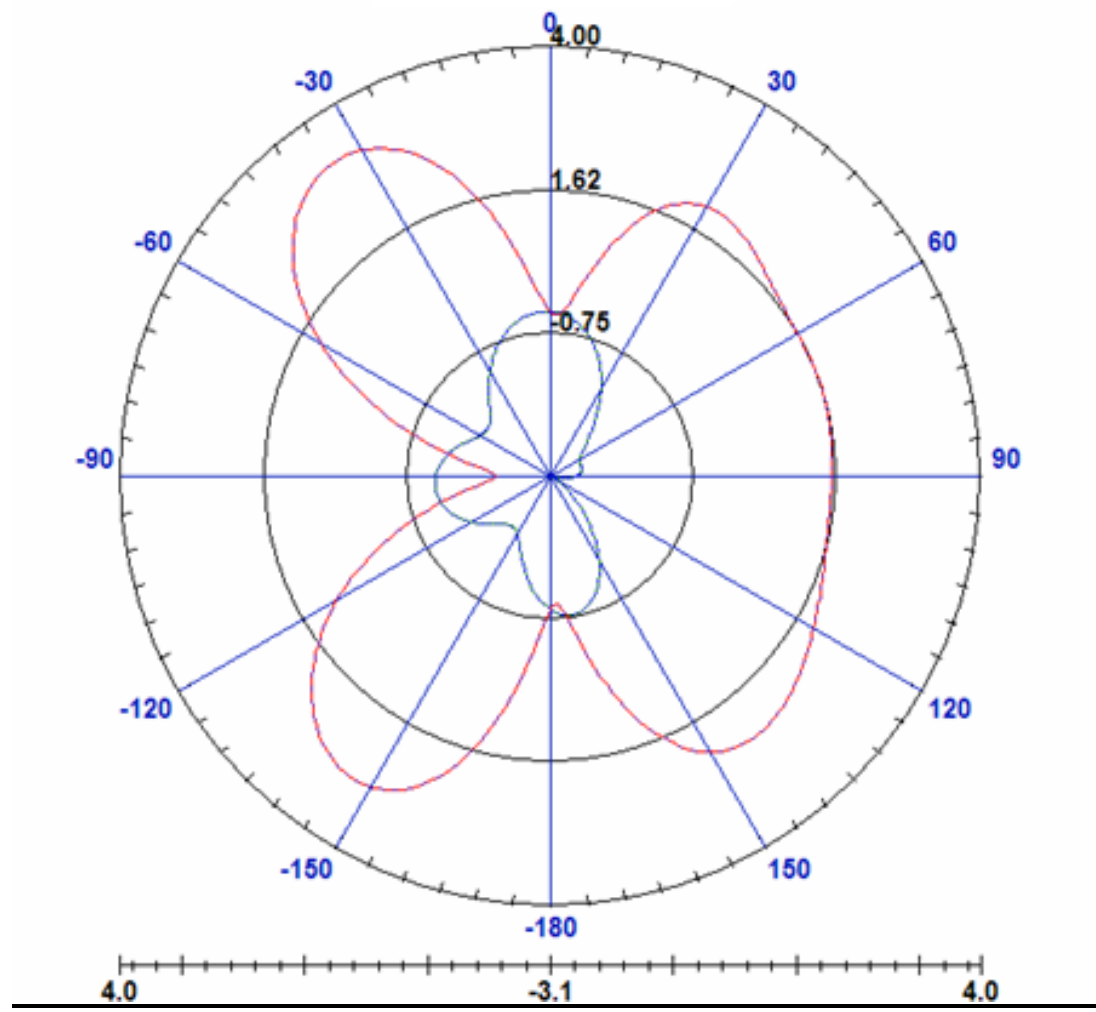
Mkr1: 2400MHz -54.89 Mkr2: 2500MHz -82.03 Mkr3: 2600MHz -102.6



4. Radiation Patterns

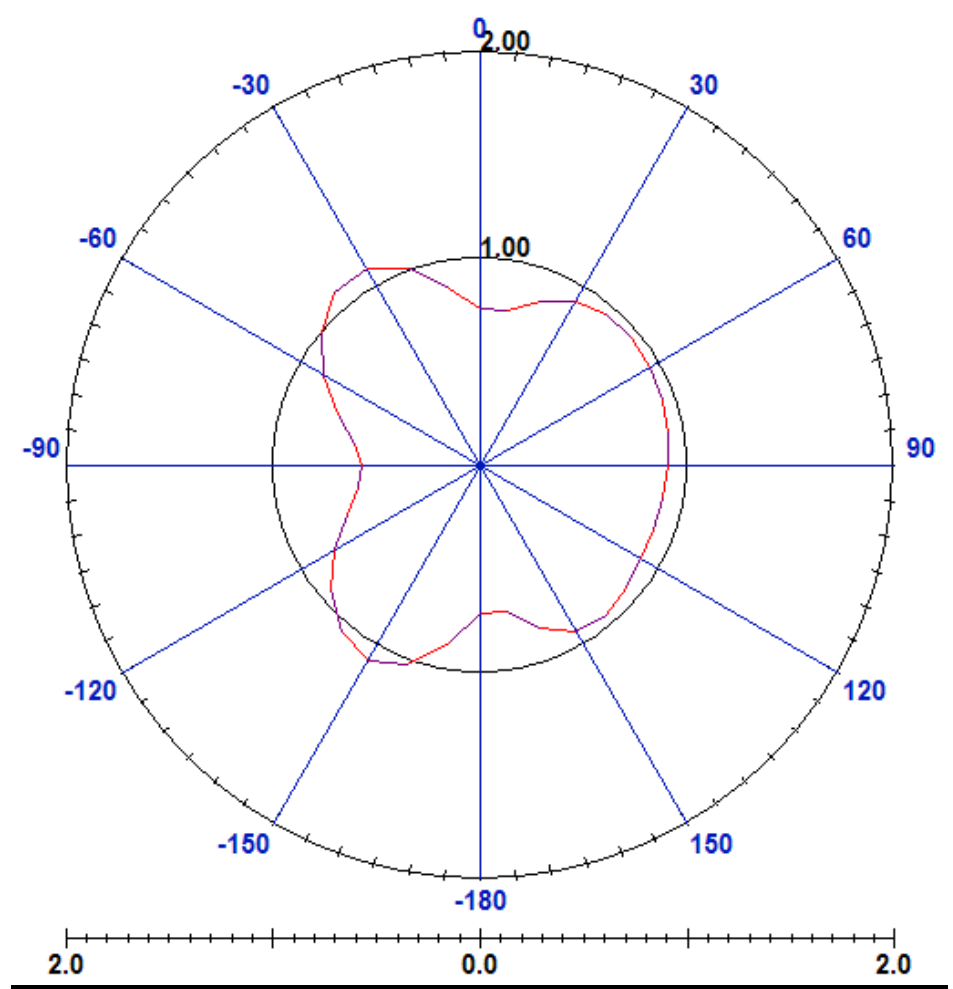
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XY-plane



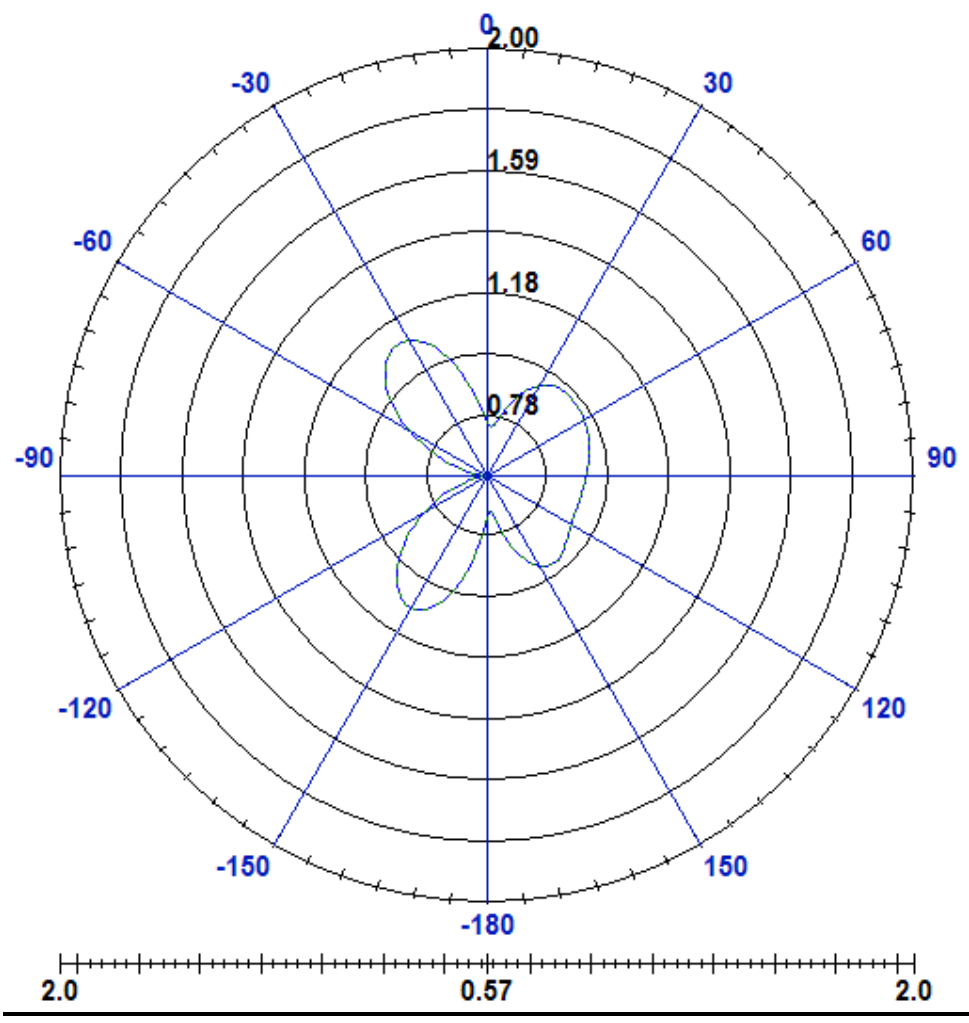
XZ-plane

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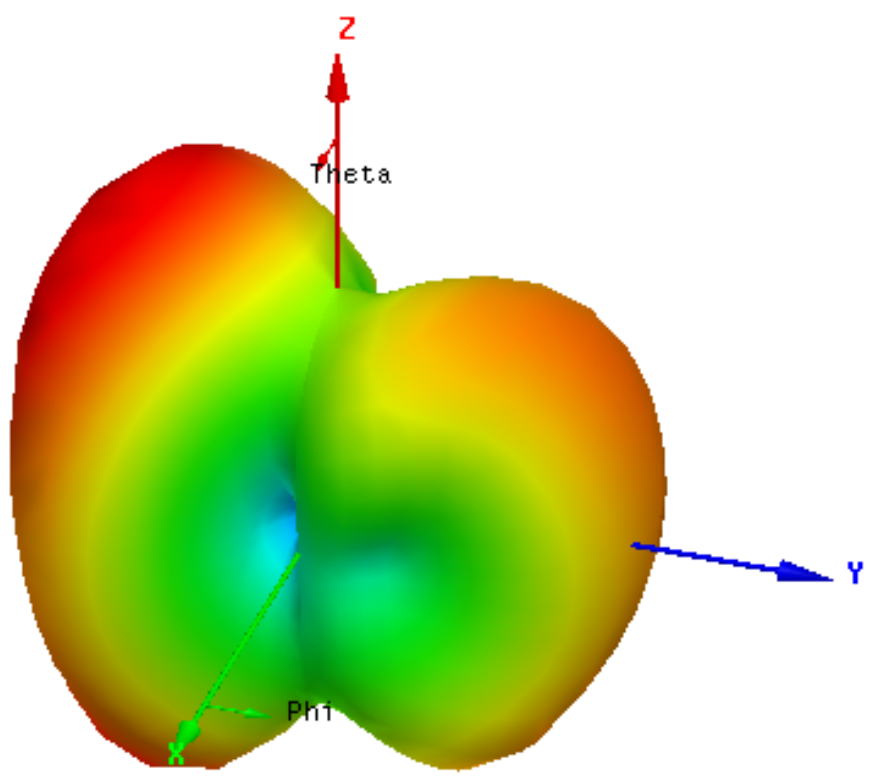
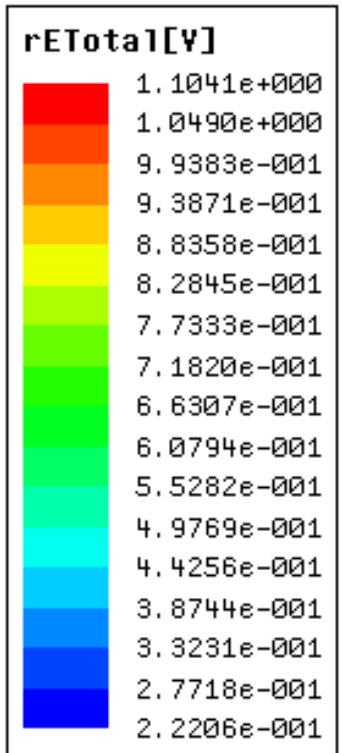
YZ-plane

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3D Diagram of the radiation field

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联络资料:

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