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

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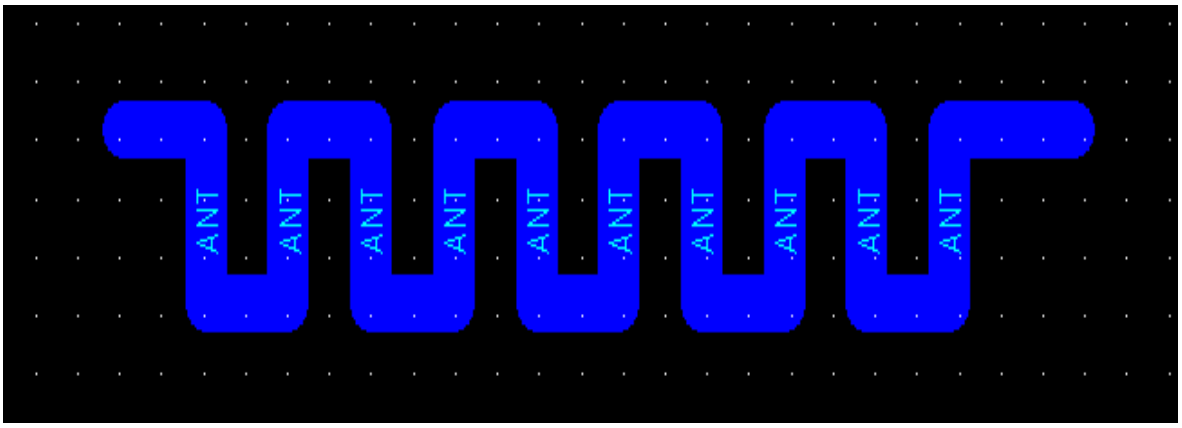
APPlications

※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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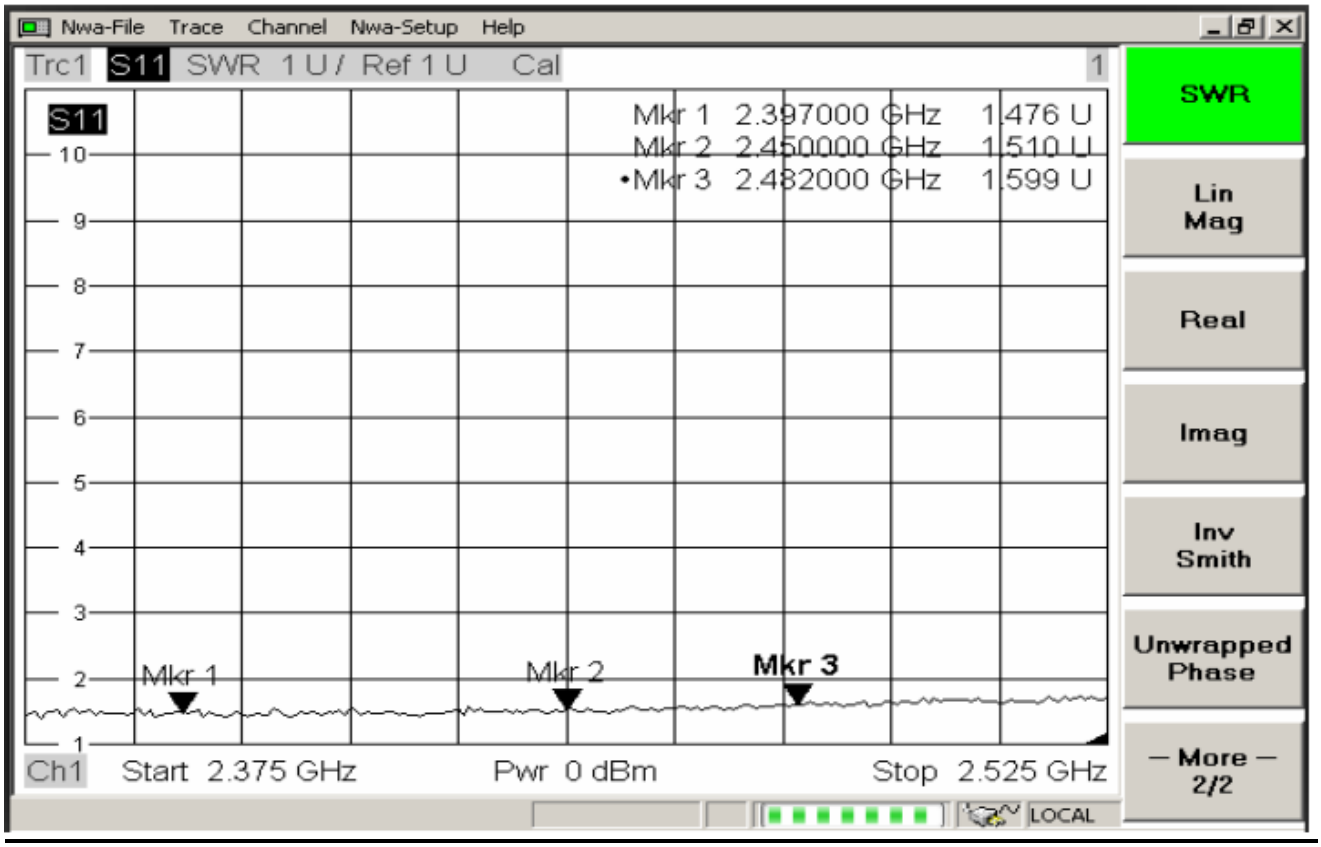
① VSWR

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



②Smith Char

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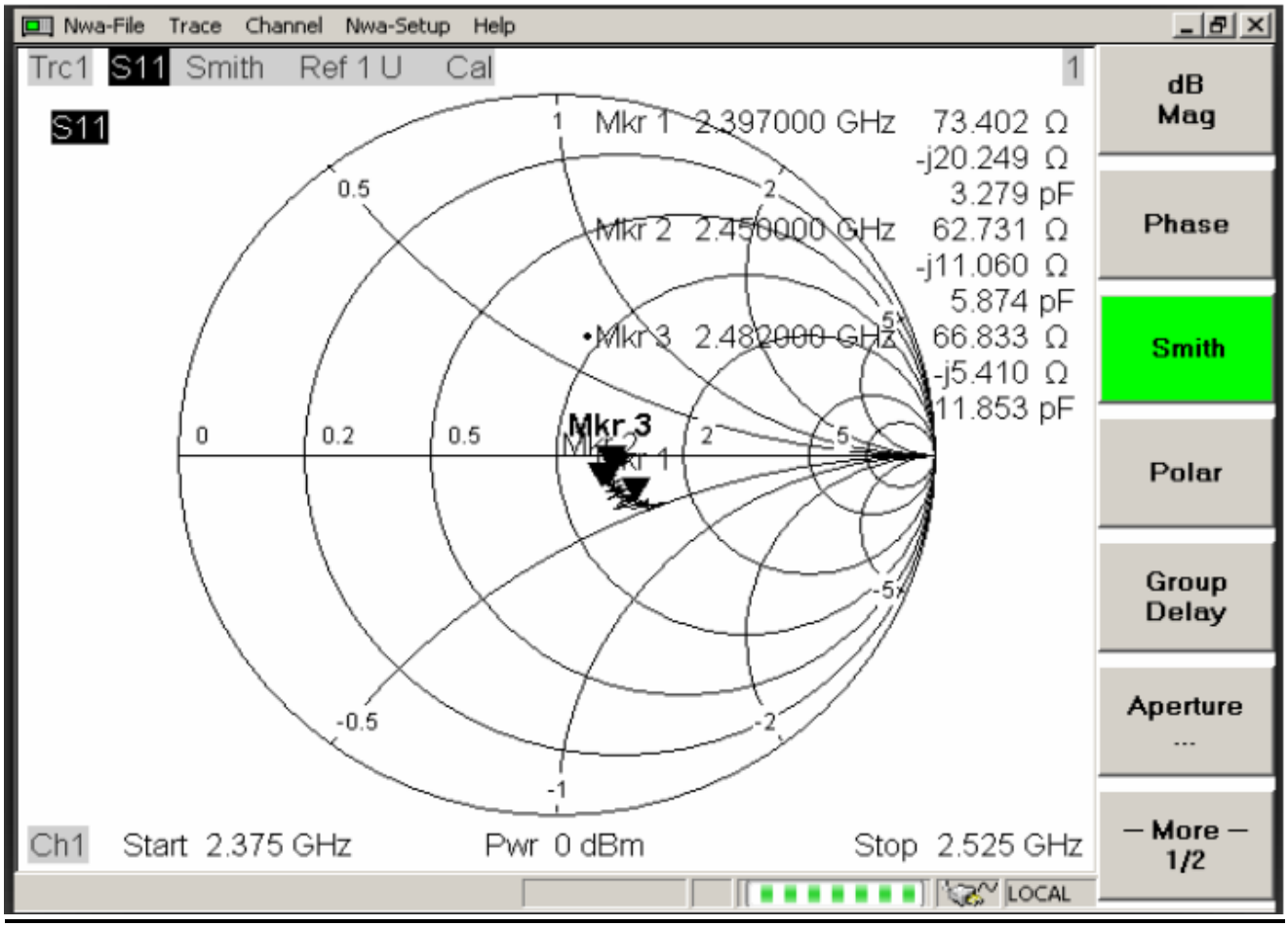
Mkr1: 2397MHz 73.4 Mkr2: 2450MHz 62.7 Mkr3: 2482MHz 66.8



③Return Loss

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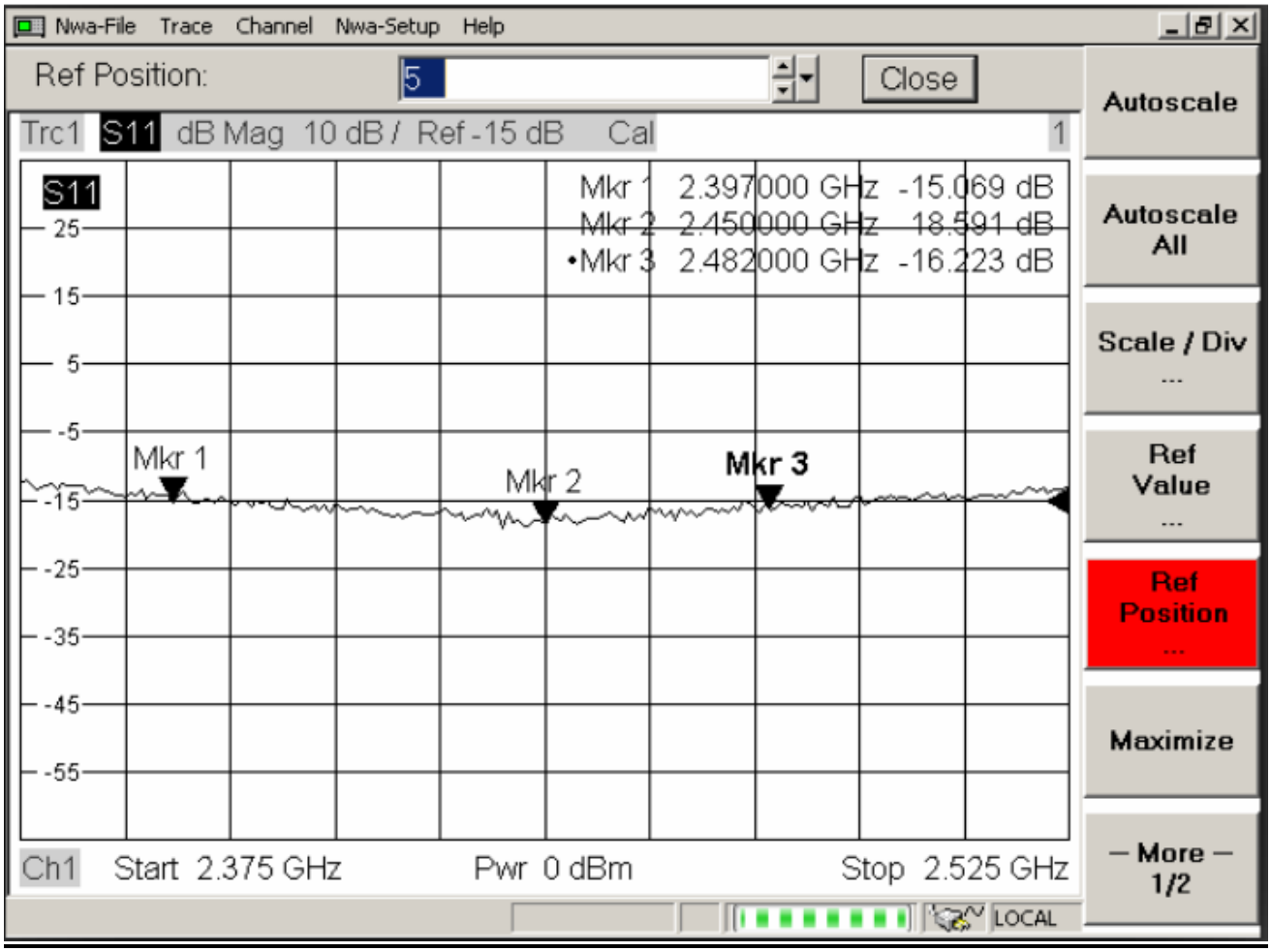
Mkr1: 2397MHz -15 Mkr2: 2450MHz -18 Mkr3: 2482 MHz -16



④Smith Char emulation

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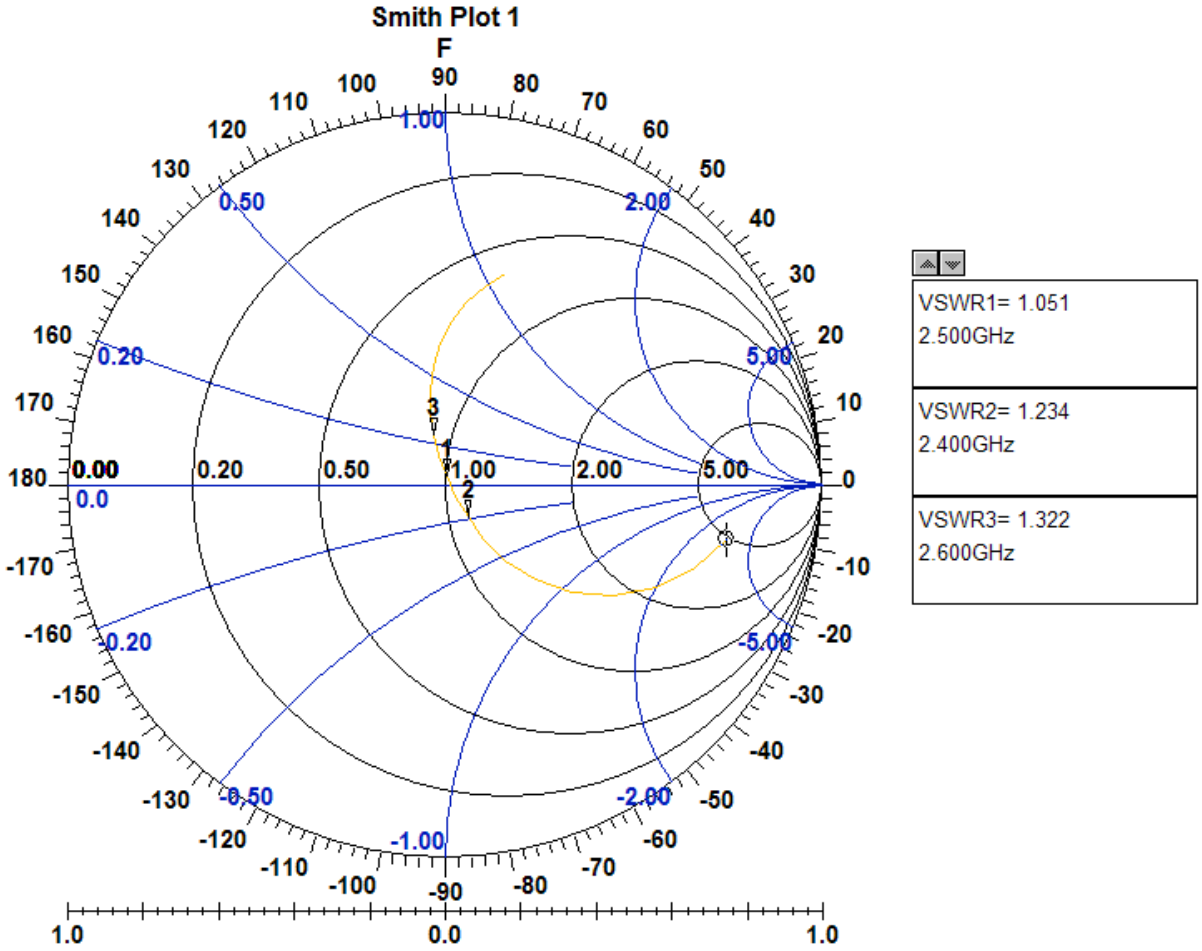
Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051 Mkr3: 2600MHz 1.322



⑤Return Loss emulation

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

Mkr4: 2550MHz -21.83

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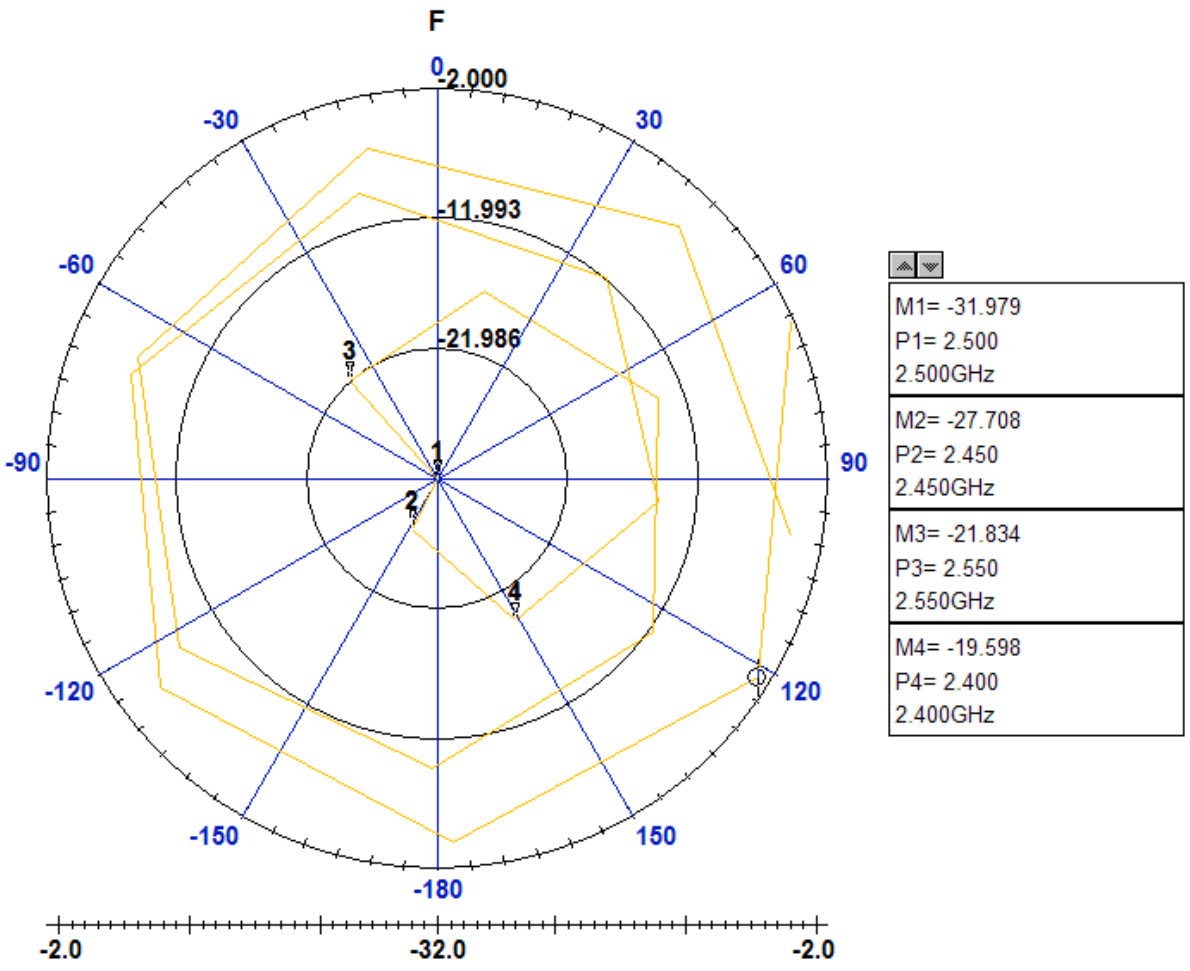

⑥Phase emulation

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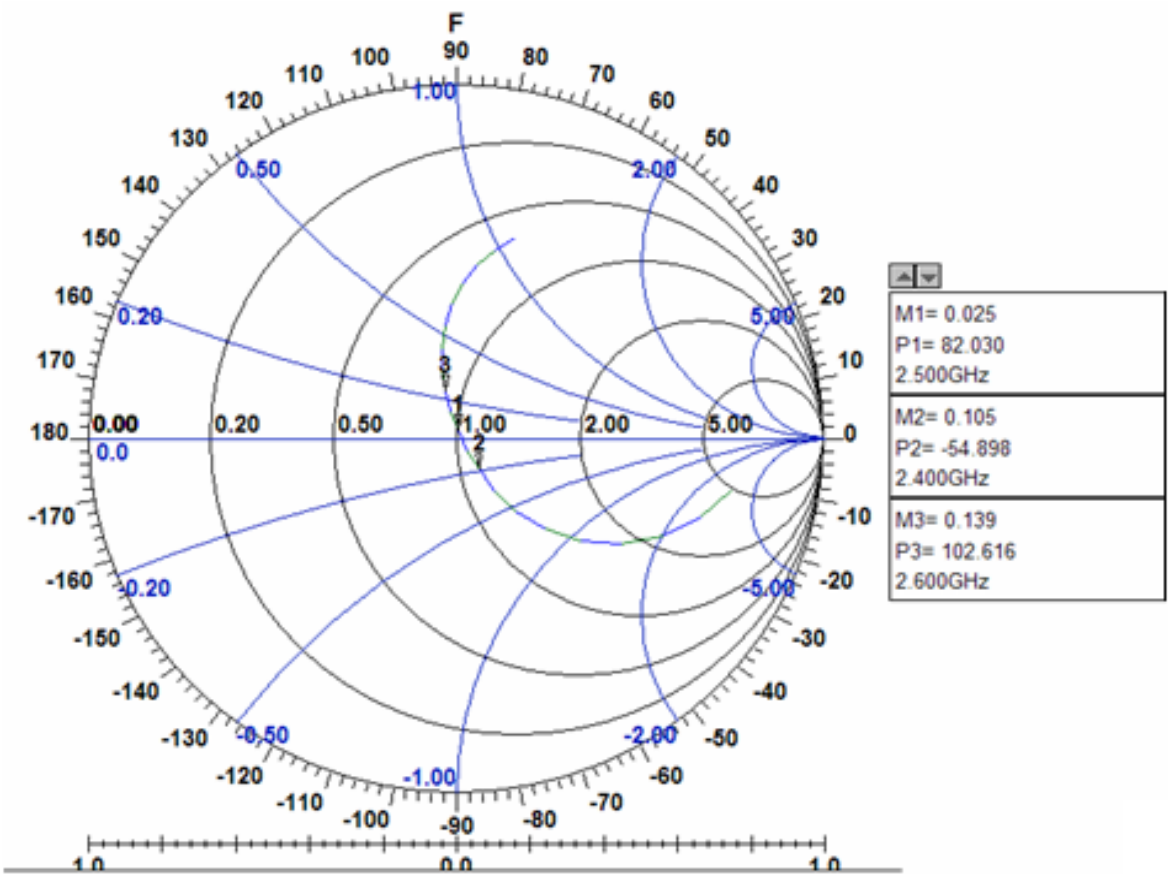
Mkr1: 2400MHz -54.89 Mkr2: 2500MHz -82.03 Mkr3: 2600MHz -102.6



4. Radiation Pattems

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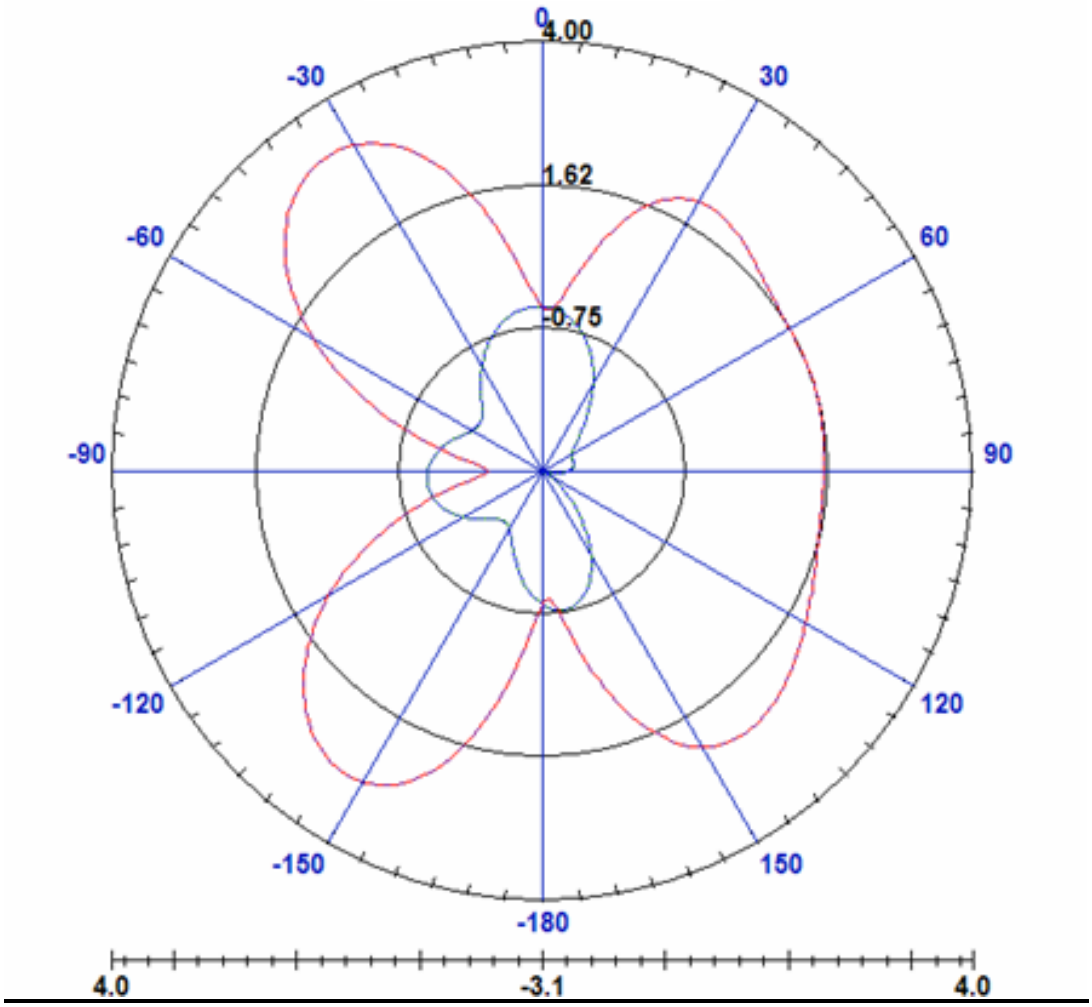
XY-plane



XZ-plane

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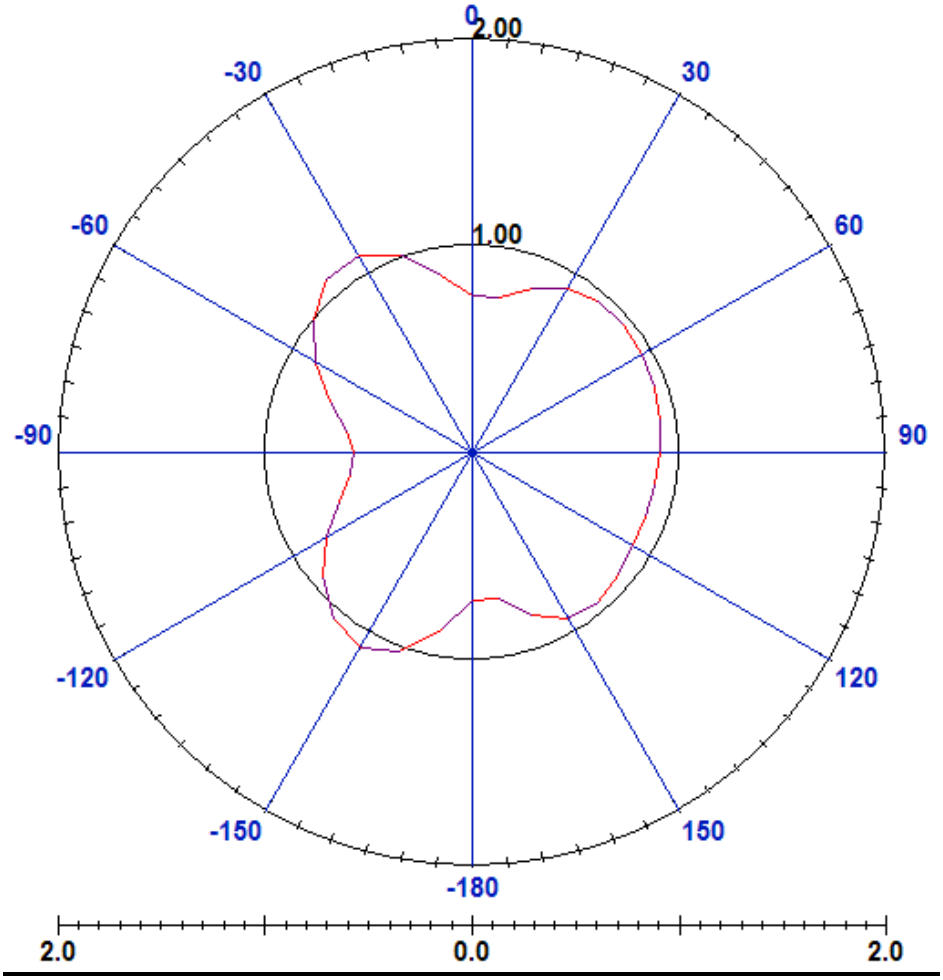

YZ-plane

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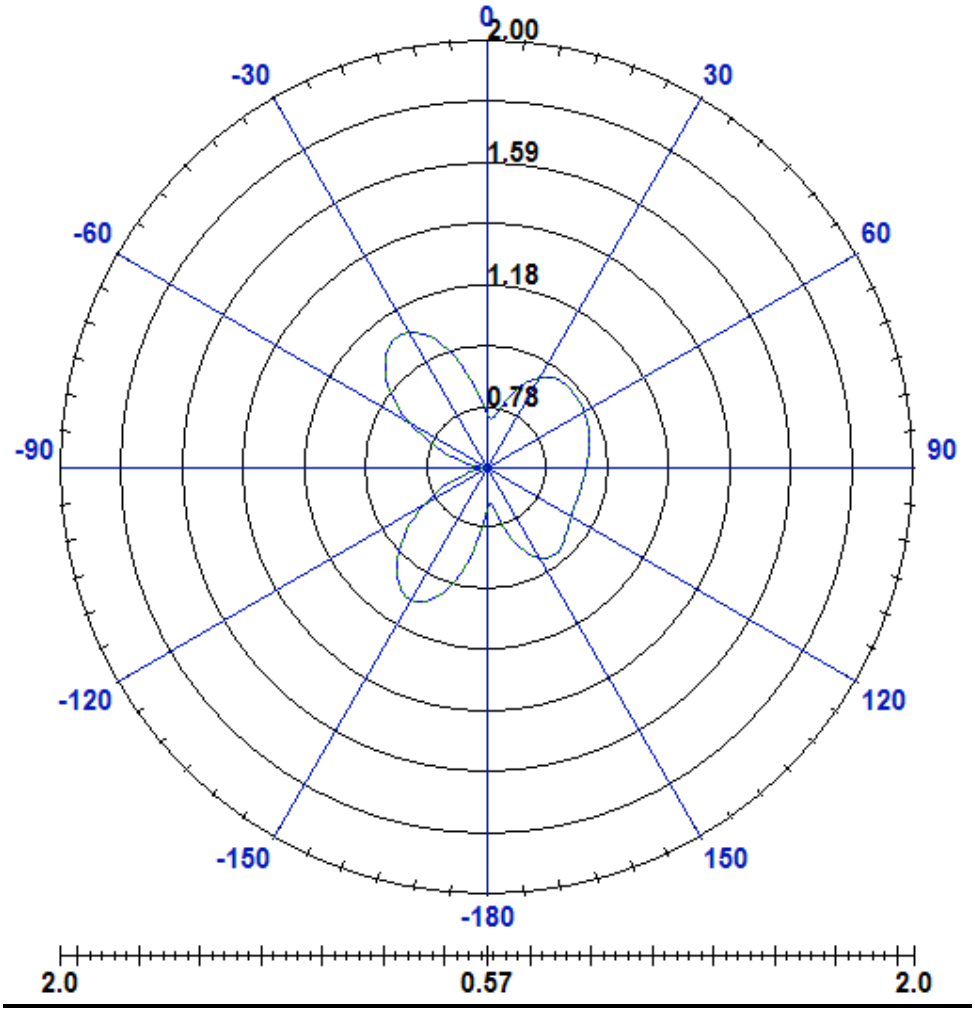

3D Diagram of the radiation field

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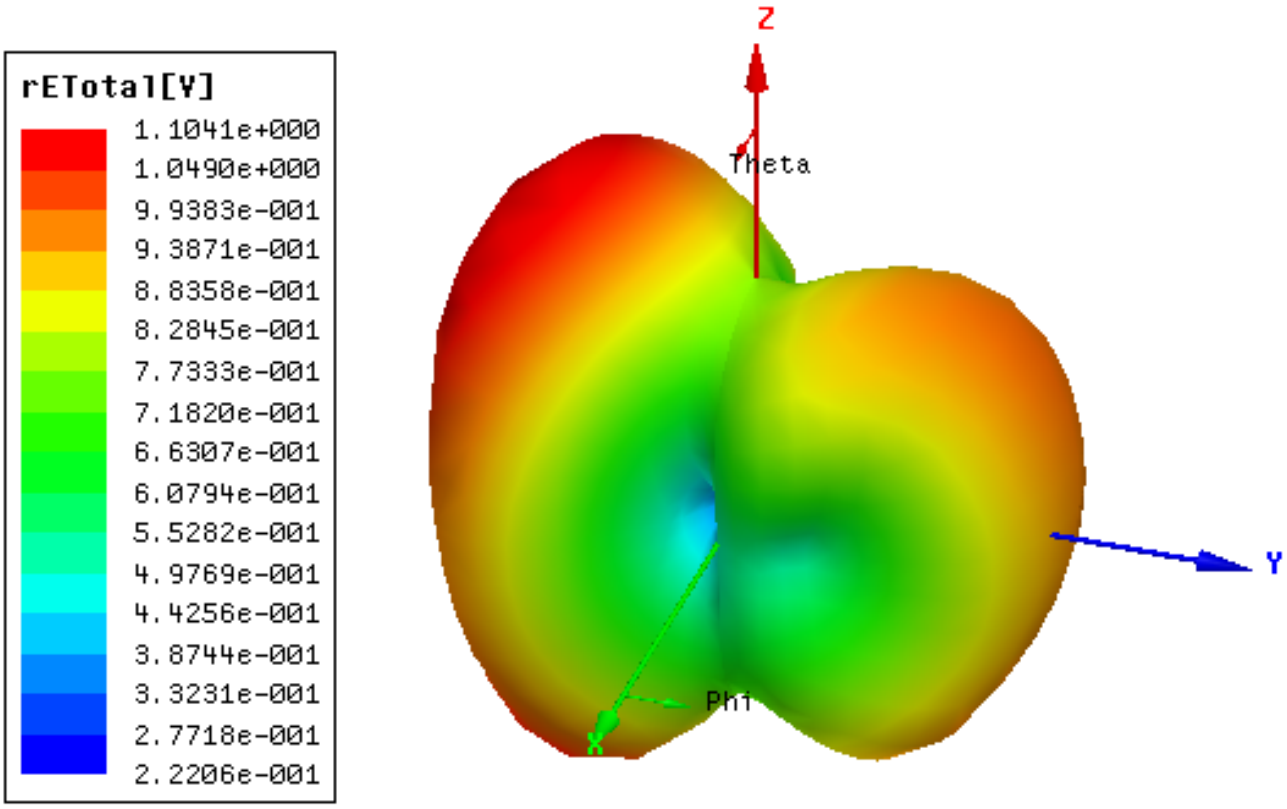

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