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# Antenna specification

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›Company Name

*Shenzhen Innosystem Technology Ltd*

›Company address

F2 Building 3 Shenzhen Software Park Technology Middle 2  
Rd Gao Xin Science & Technology Park North, S.Z

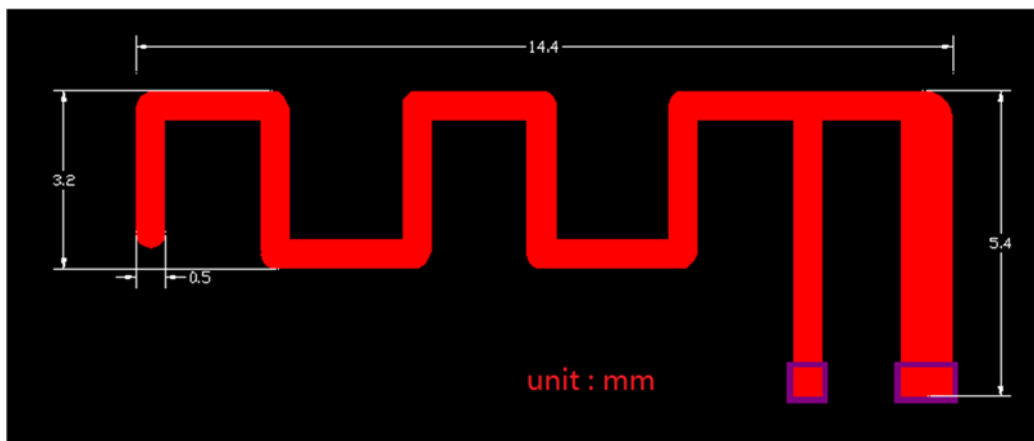
Antenna model: MP341 V1.0

## Applications

※Bluetooth Home RF

※ISM band 2.4GHz applications

### 1. Dimensions



### 2. Specifications

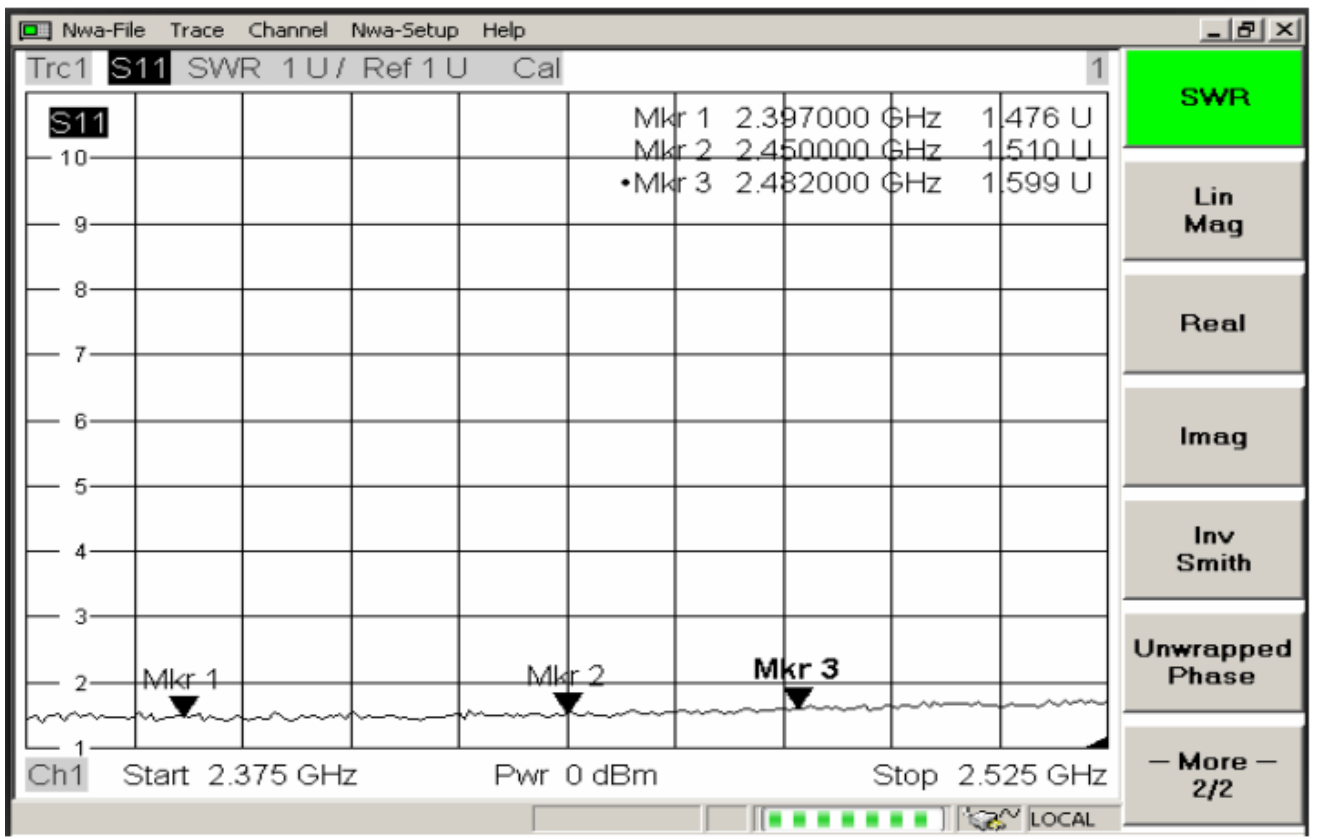
number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	0dBi
4	VSWR	≤2.0
5	Antenna type	PCB antenna
6	Azimuth Beam width	Omni - directional
7	Impedance	50ohm
8	Modulation mode	GFSK

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### 3. simulation parameter

#### ① VSWR

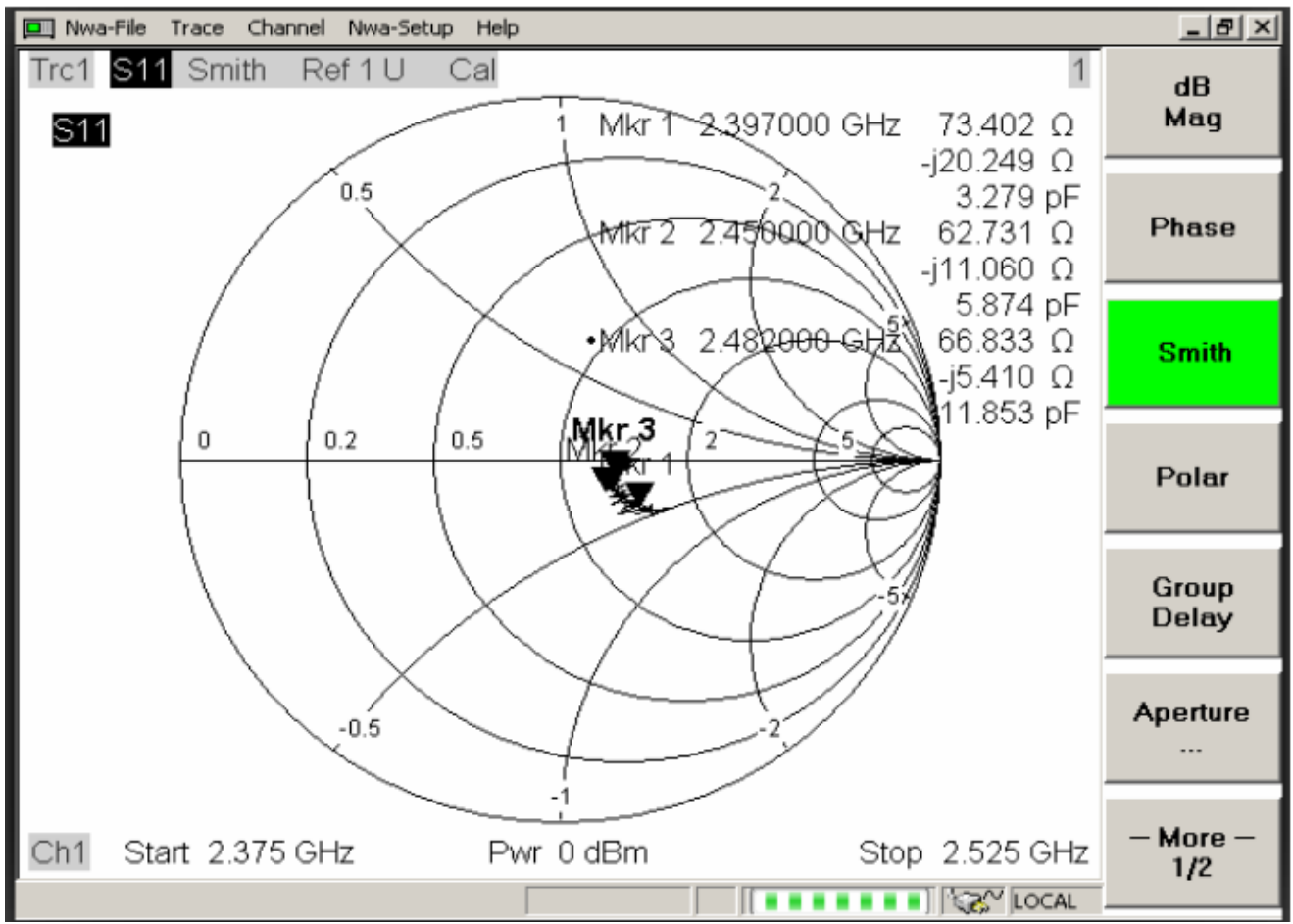
Mkr1: 2397MHz 1.47    Mkr2: 2450MHz 1.51    Mkr3: 2482 MHz 1.59



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## ②Smith Char

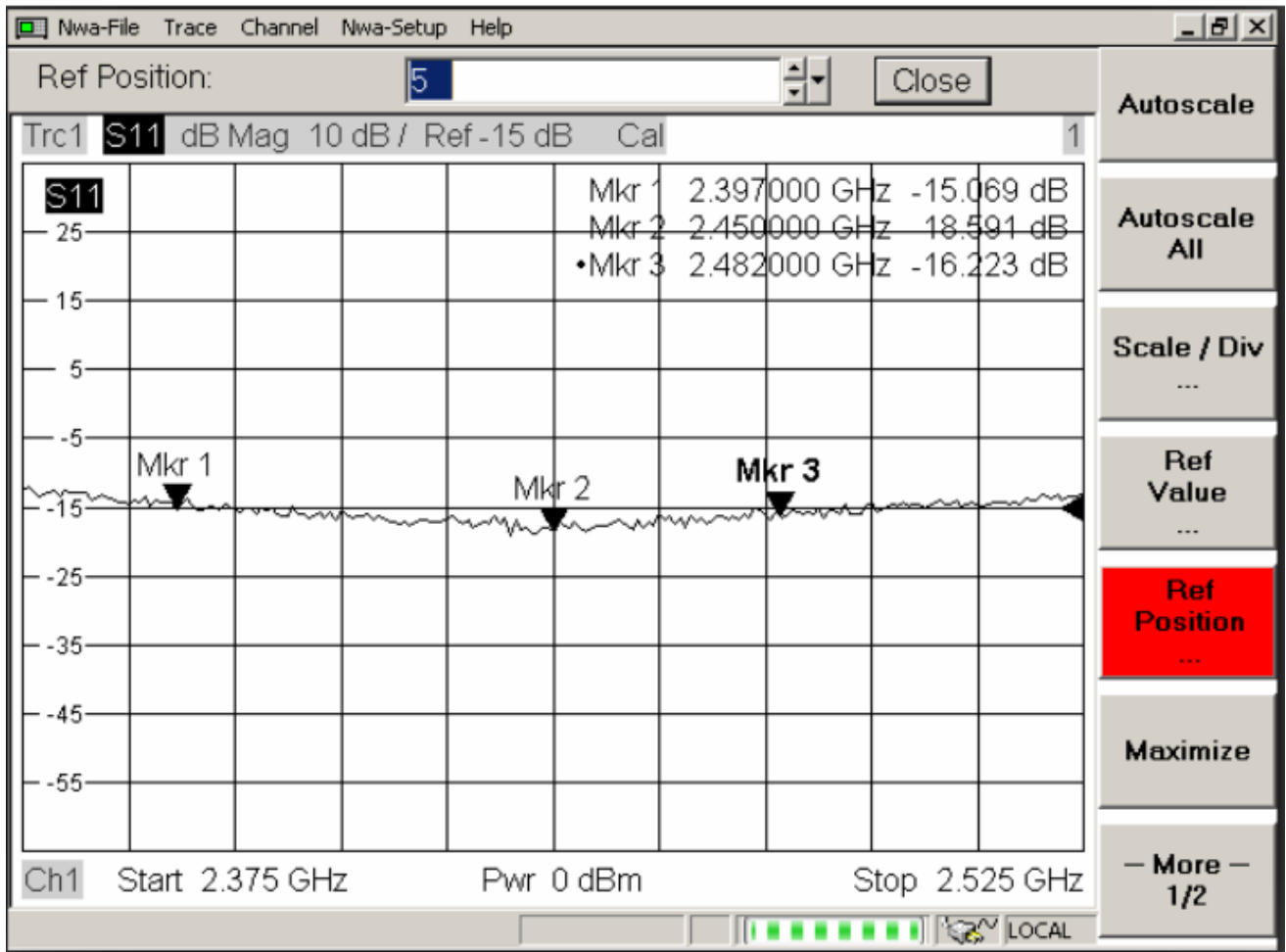
Mkr1: 2397MHz 73.4      Mkr2: 2450MHz 62.7      Mkr3: 2482MHz 66.8



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### ③Return Loss

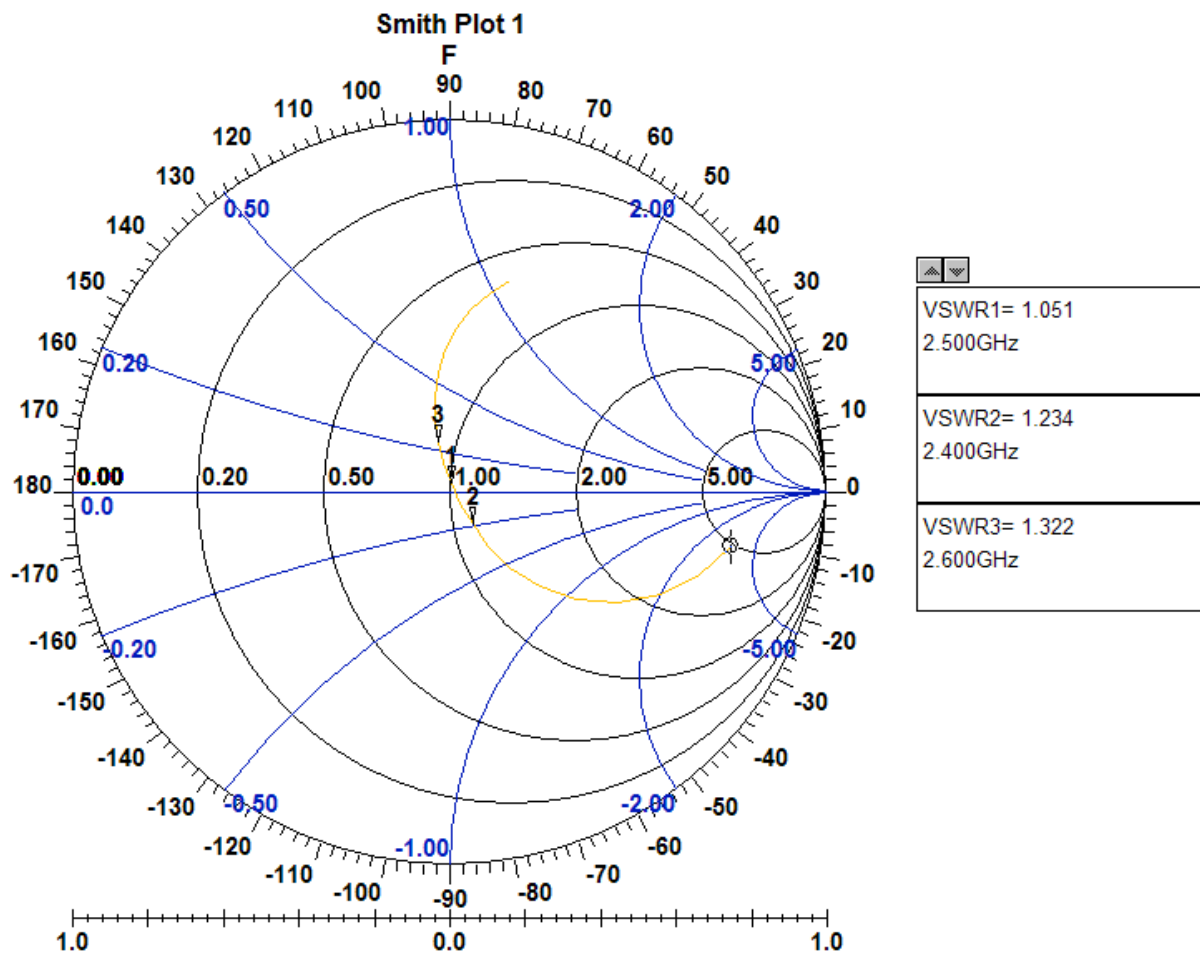
Mkr1: 2397MHz -15    Mkr2: 2450MHz -18    Mkr3: 2482 MHz -16



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### ④Smith Char

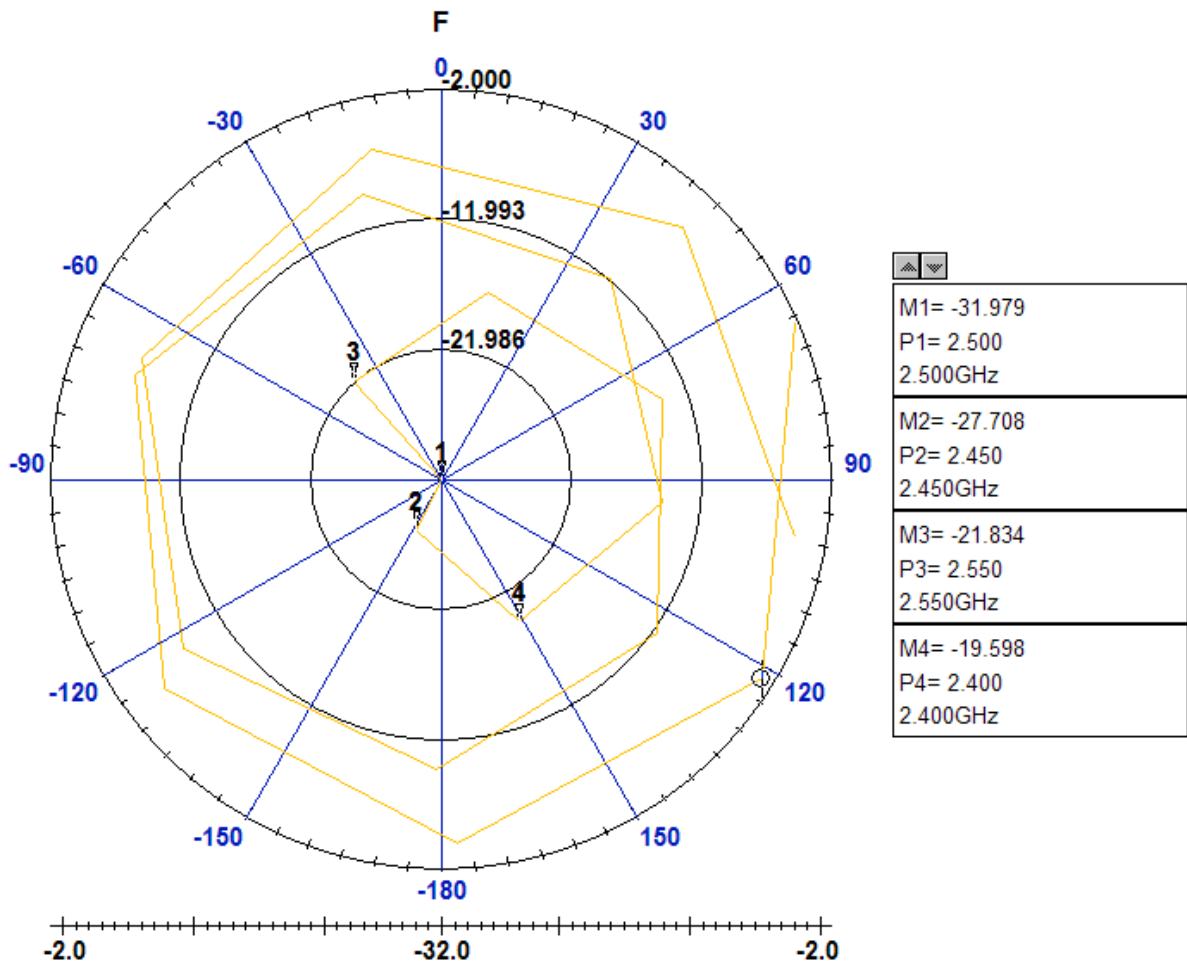
Mkr1: 2400MHz 1.234      Mkr2: 2500MHz 1.051Mkr3: 2600MHz 1.322



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### ⑤Return Loss

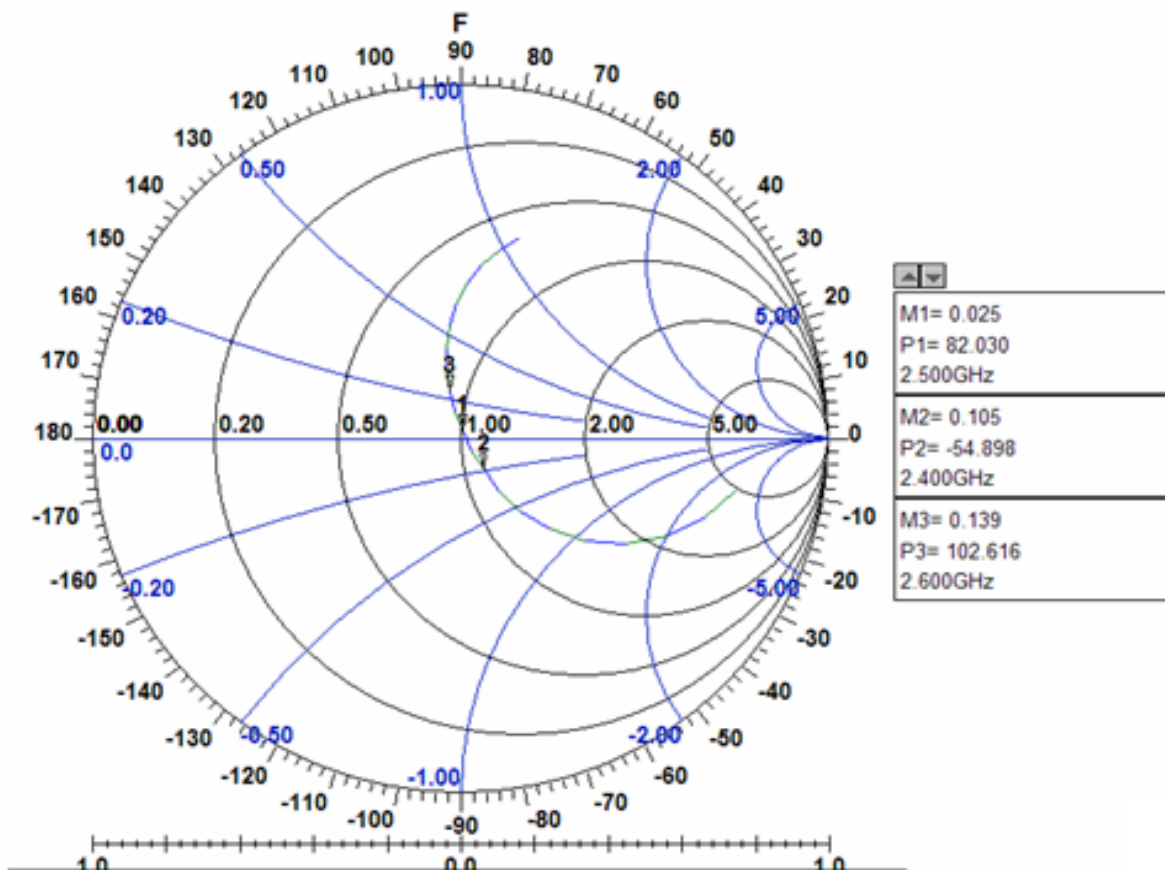
Mkr1: 2400MHz -19.59    Mkr2: 2450MHz -27.70Mkr3: 2500MHz -31.97    Mkr4:  
2550MHz -21.83



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### ⑥Phase

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

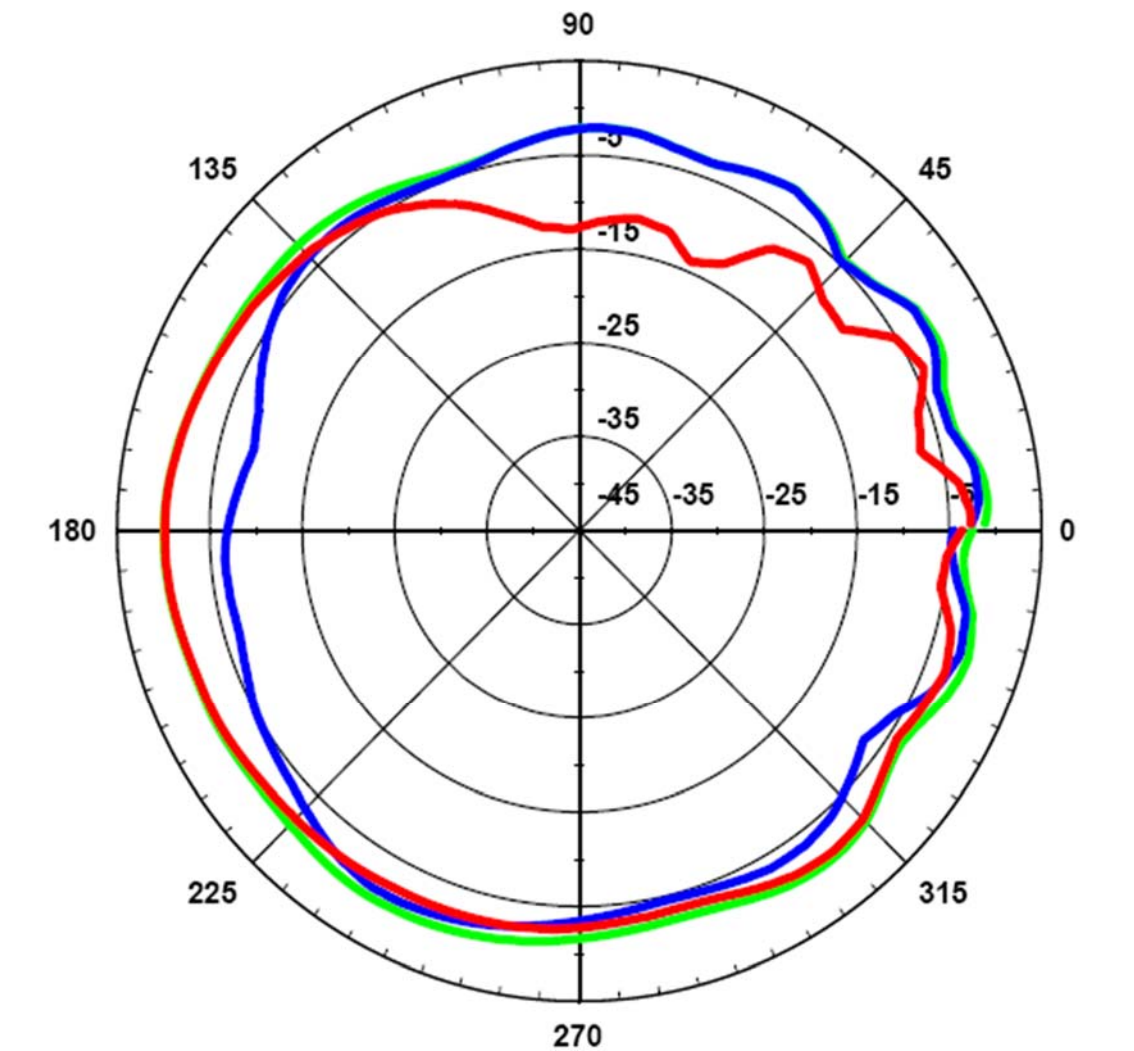




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#### 4. Radiation Patterns

- XY-plane —
- XZ-plane —
- YZ-plane —



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• 3DRadiation pattern

