

Antenna specification	Doc No.	IS-QR-PD-010
	Rev.	V1.0
	Page	1/10

Antenna specification

Antenna specification	Doc No.	IS-QR-PD-010
	Rev.	V1.0
	Page	2/10

Manufacturer:

Shenzhen Wojiayoupin Technology Co., Ltd.

Address:

1906, Building 19, Hisense Industrial City, Ganli Road,
Longgang District, Shenzhen China

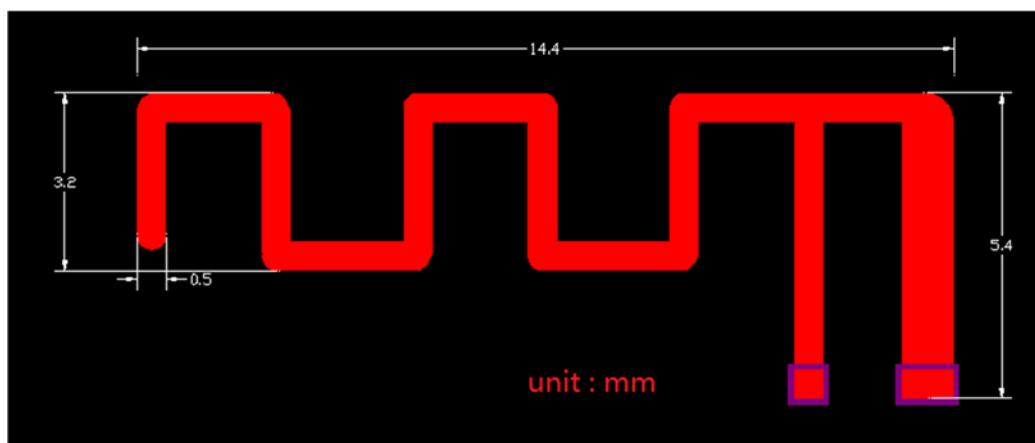
Antenna model: MP341 V1.0

Applications

※Bluetooth Home RF

※ISM band 2.4GHz applications

1. Dimensions



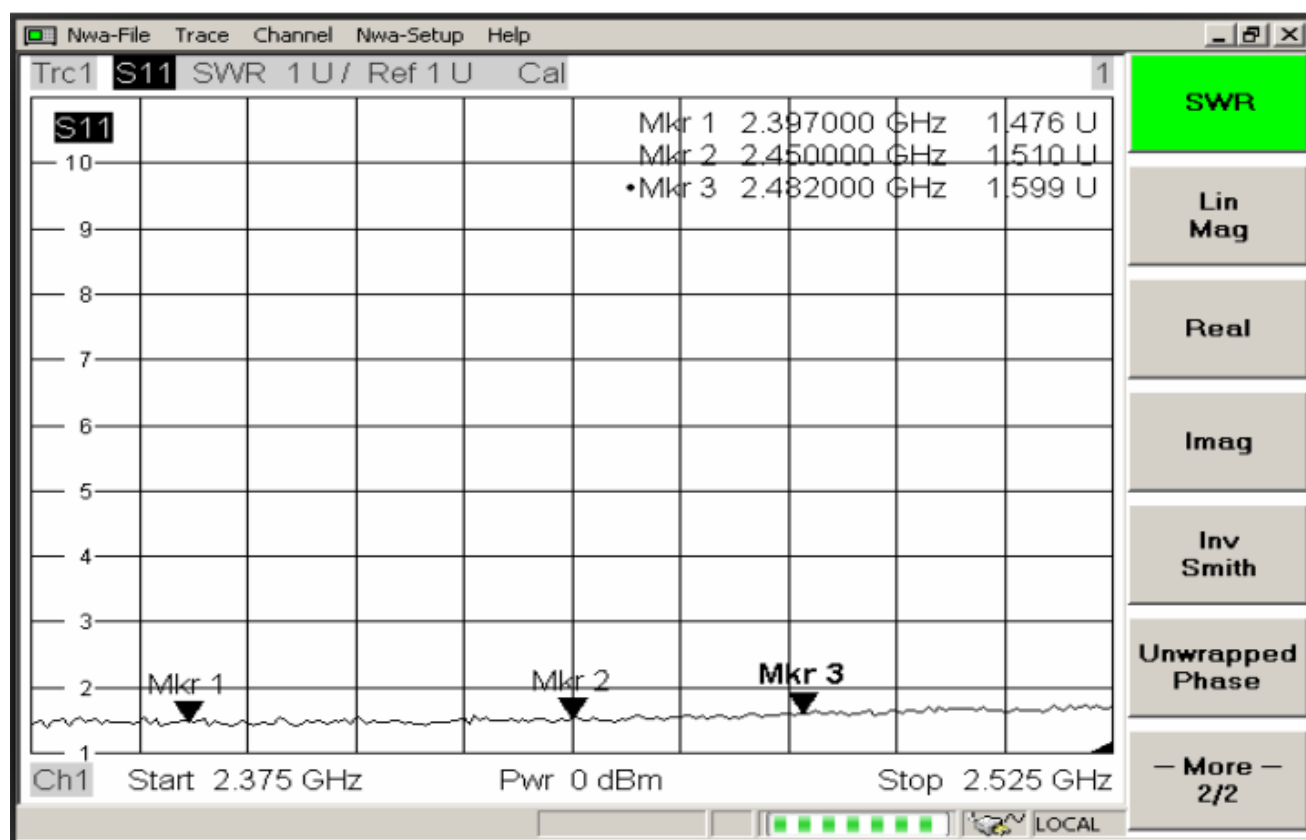
2. Specifications

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

3. simulation parameter

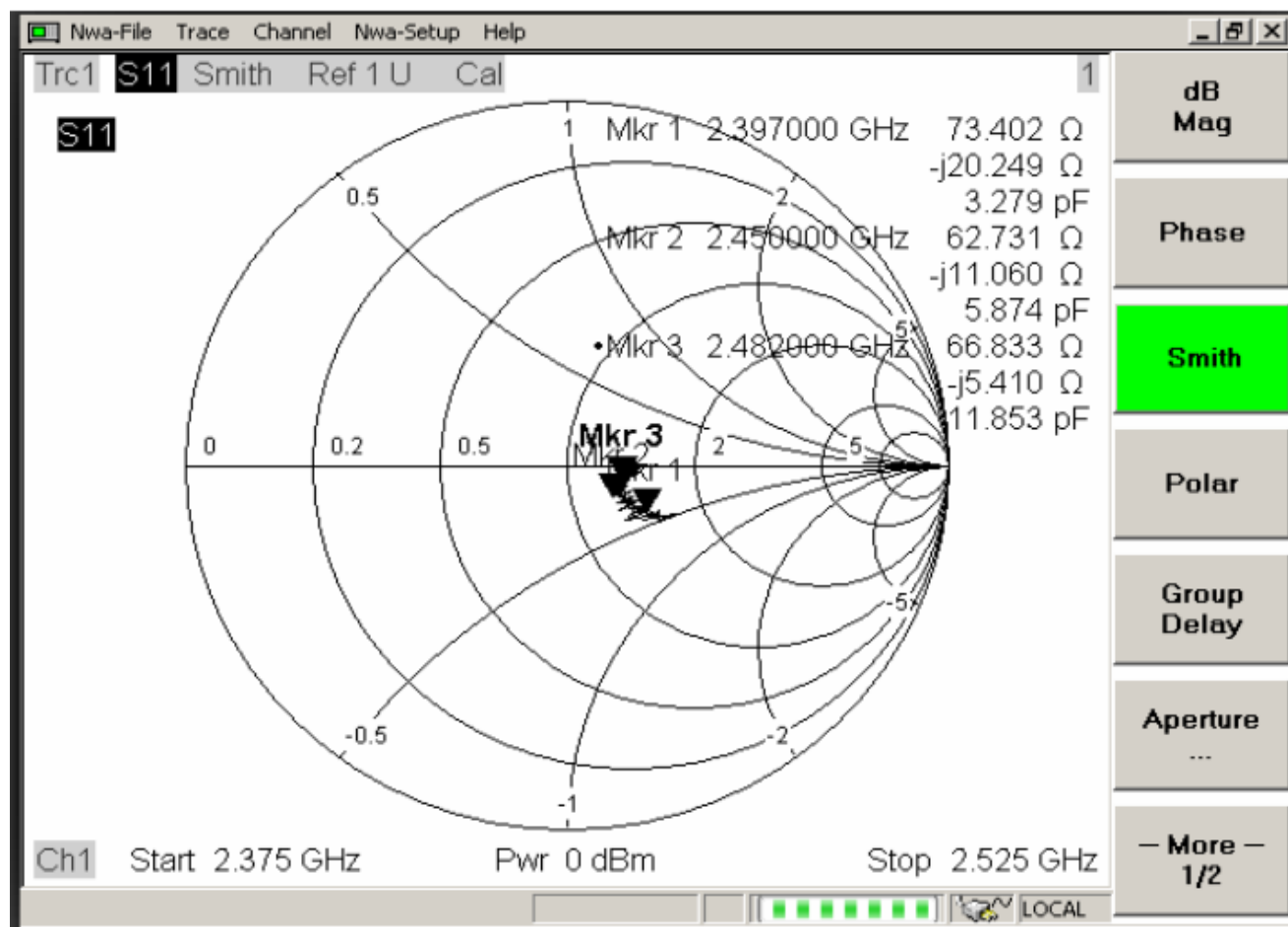
① VSWR

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



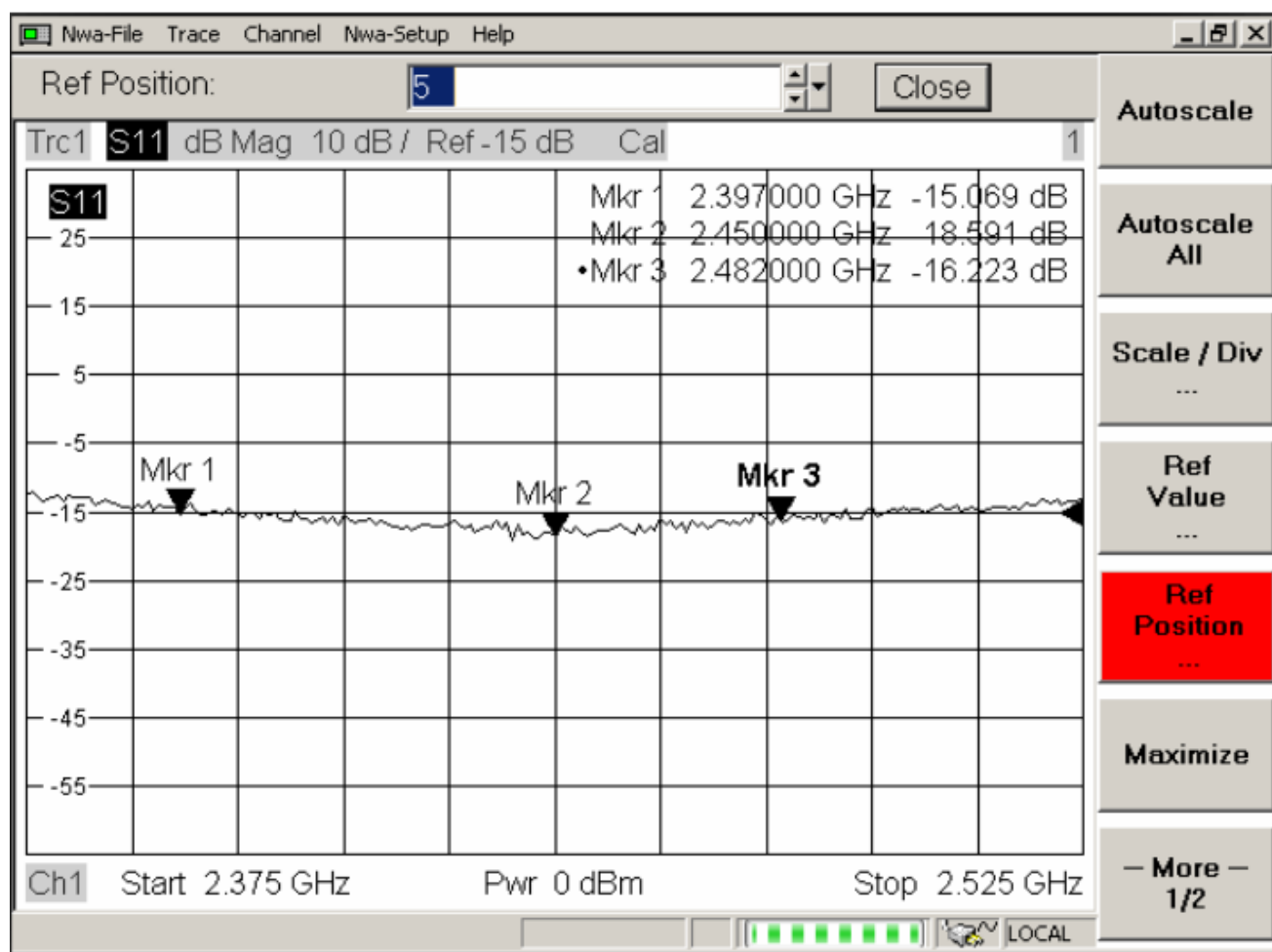
②Smith Char

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



③Return Loss

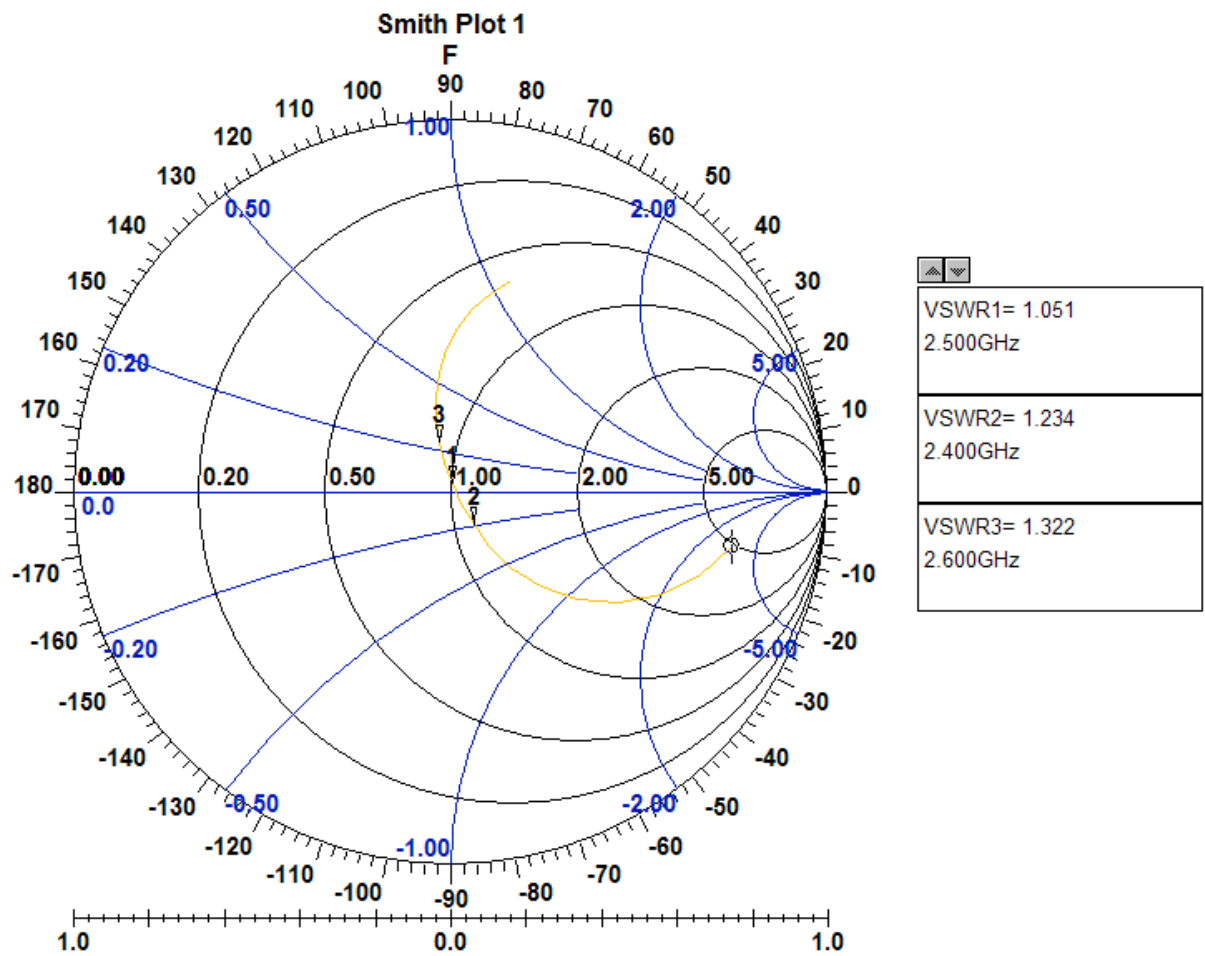
Mkr1: 2397MHz -15 Mkr2: 2450MHz -18 Mkr3: 2482 MHz -16



Antenna specification	Doc No.	IS-QR-PD-010
	Rev.	V1.0
	Page	6/10

④Smith Char

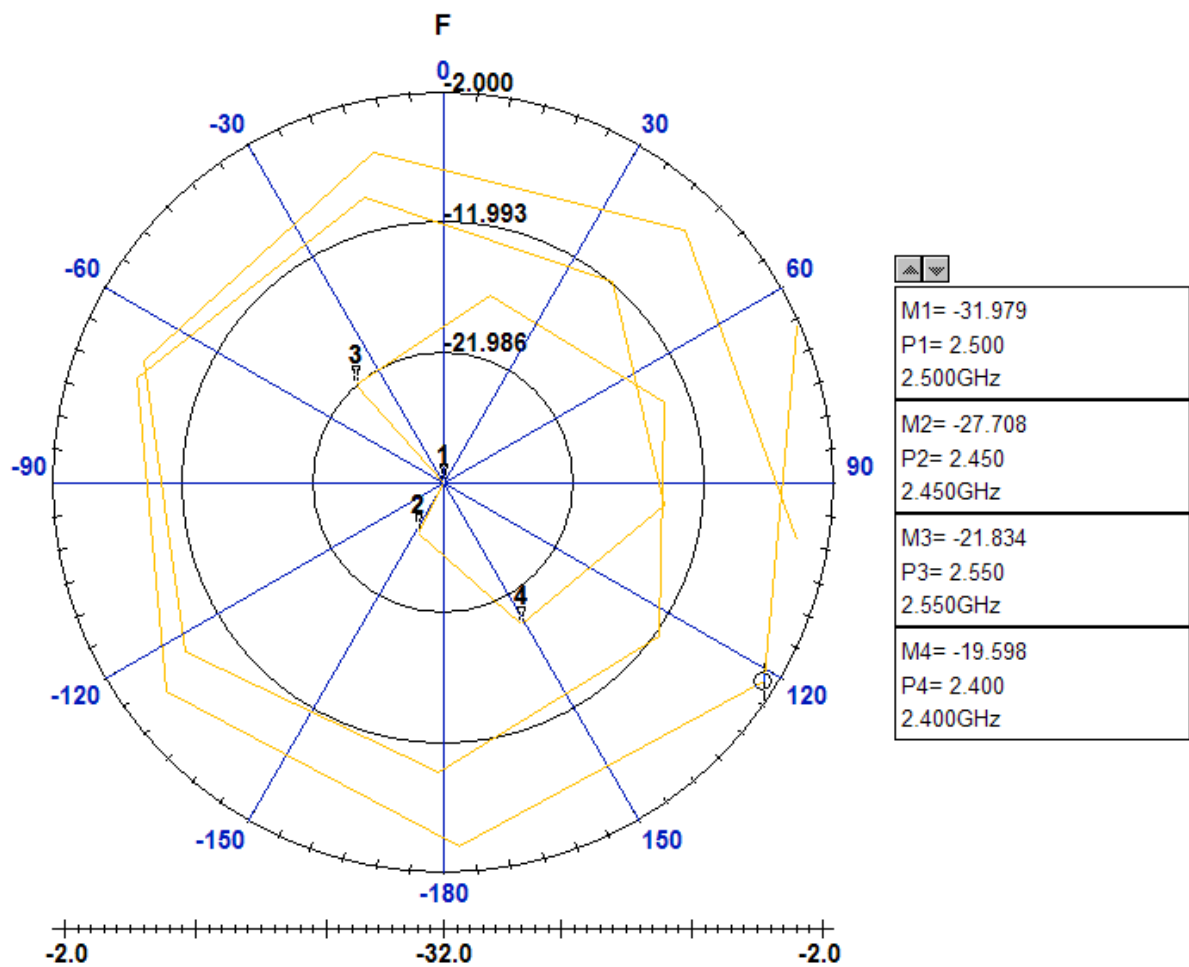
Mkr1: 2400MHz 1.234 Mkr2: 2500MHz 1.051Mkr3: 2600MHz 1.322



Antenna specification	Doc No.	IS-QR-PD-010
	Rev.	V1.0
	Page	7/10

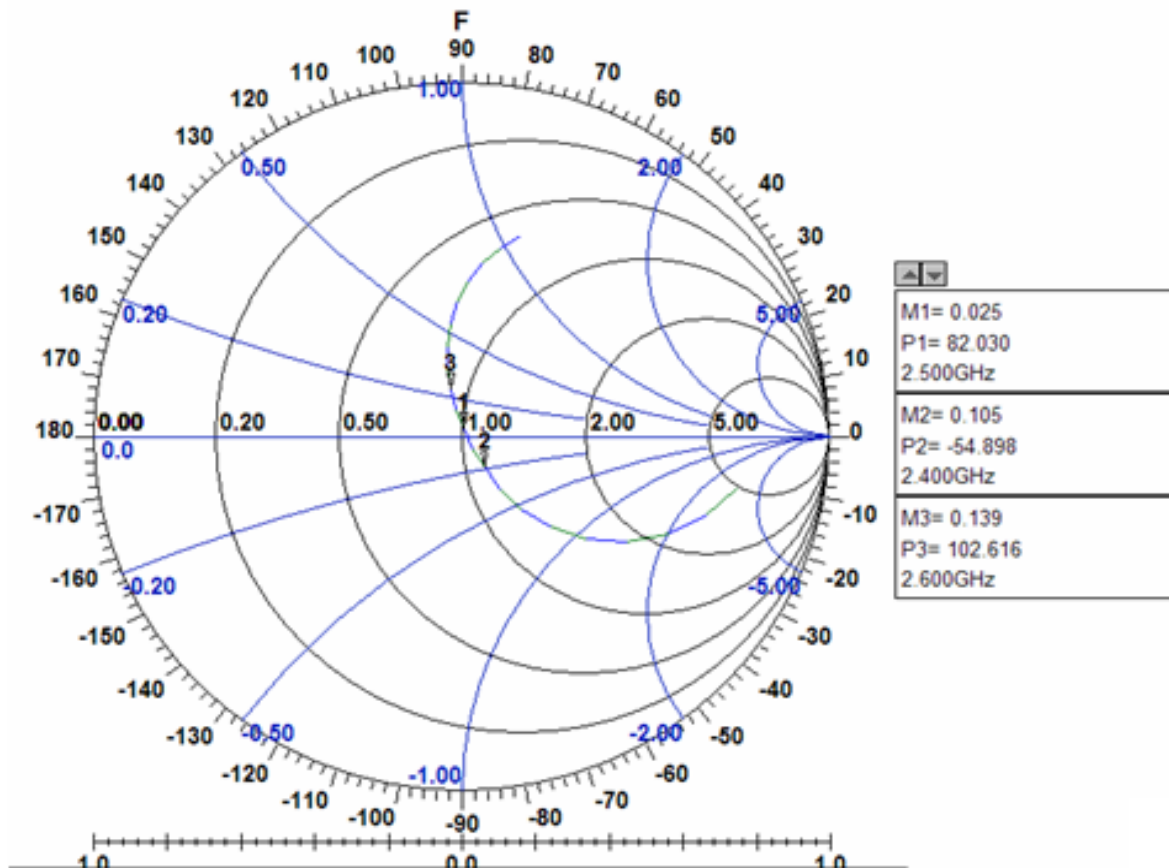
⑤Return Loss

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



⑥Phase

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

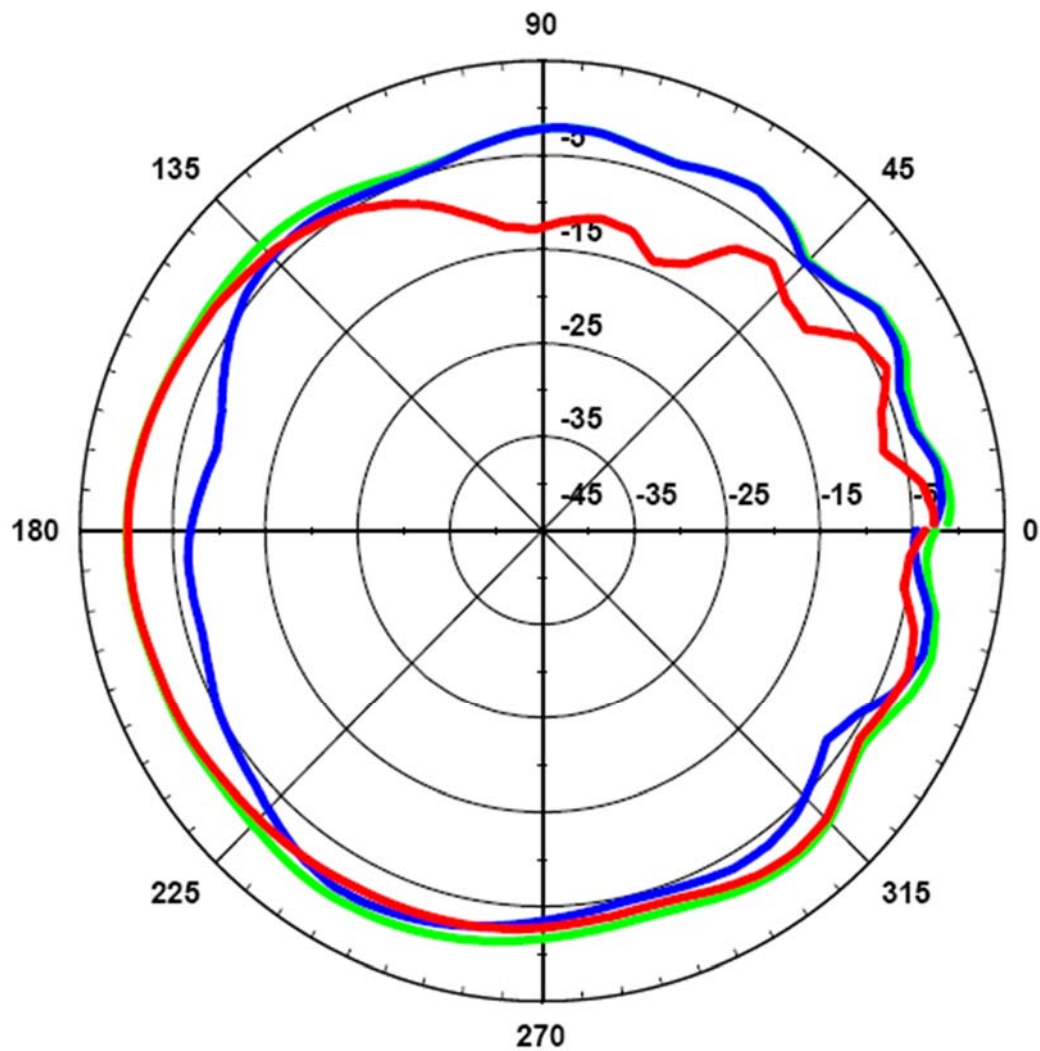


4. Radiation Patterns

XY-plane ———

XZ-plane ———

YZ-plane ———



- 3DRadiation pattern

