

Antenna specification

Company Name

Foshan Shunde Wei Yi Electronic Co;ltd

Company address

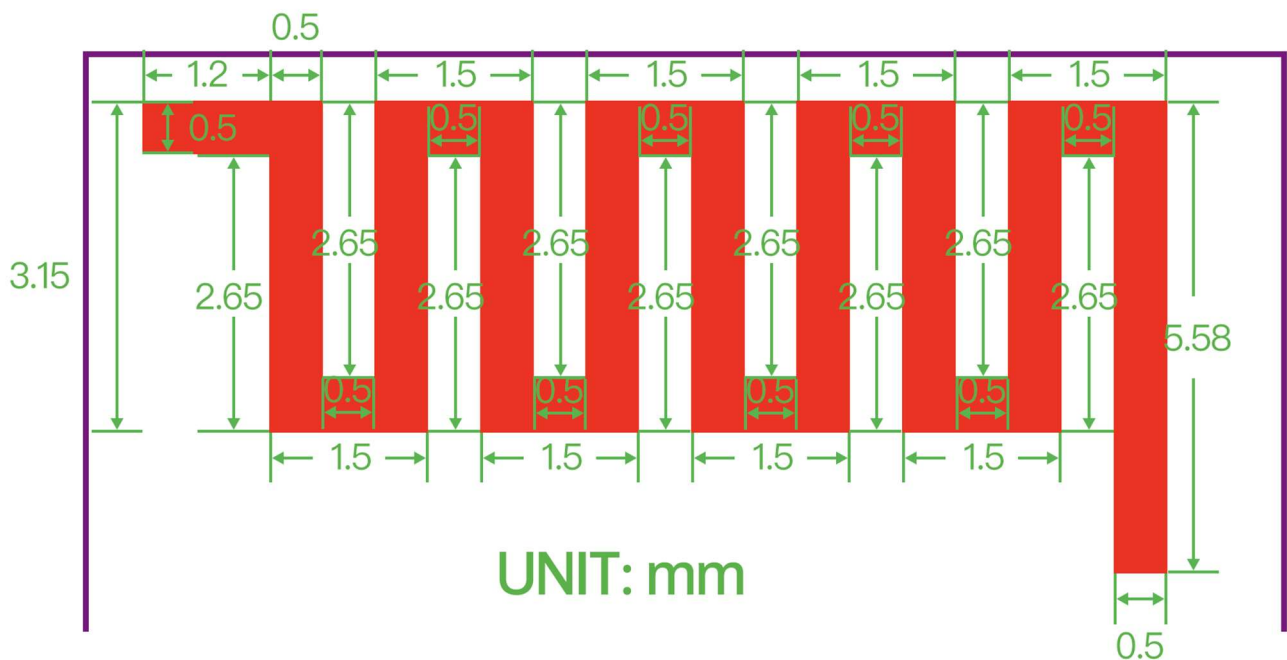
No. 45, Lu'an Road, Rong Gui Jie Dao, Shunde district,
Foshan City, Guangdong province

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

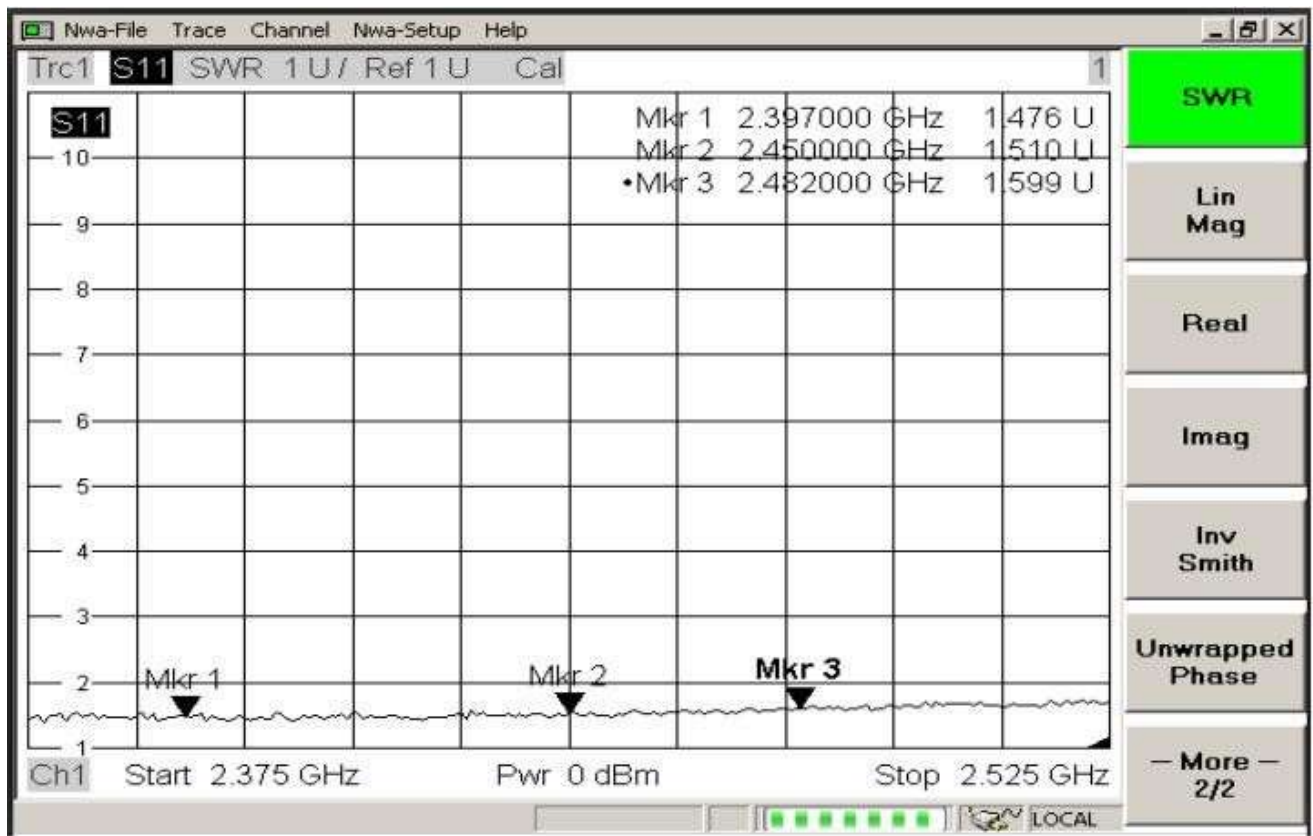
3. simulation parameter

① VSWR

Mkr1: 2397MHz 1.47

Mkr2: 2450MHz 1.51

Mkr3: 2482 MHz 1.59

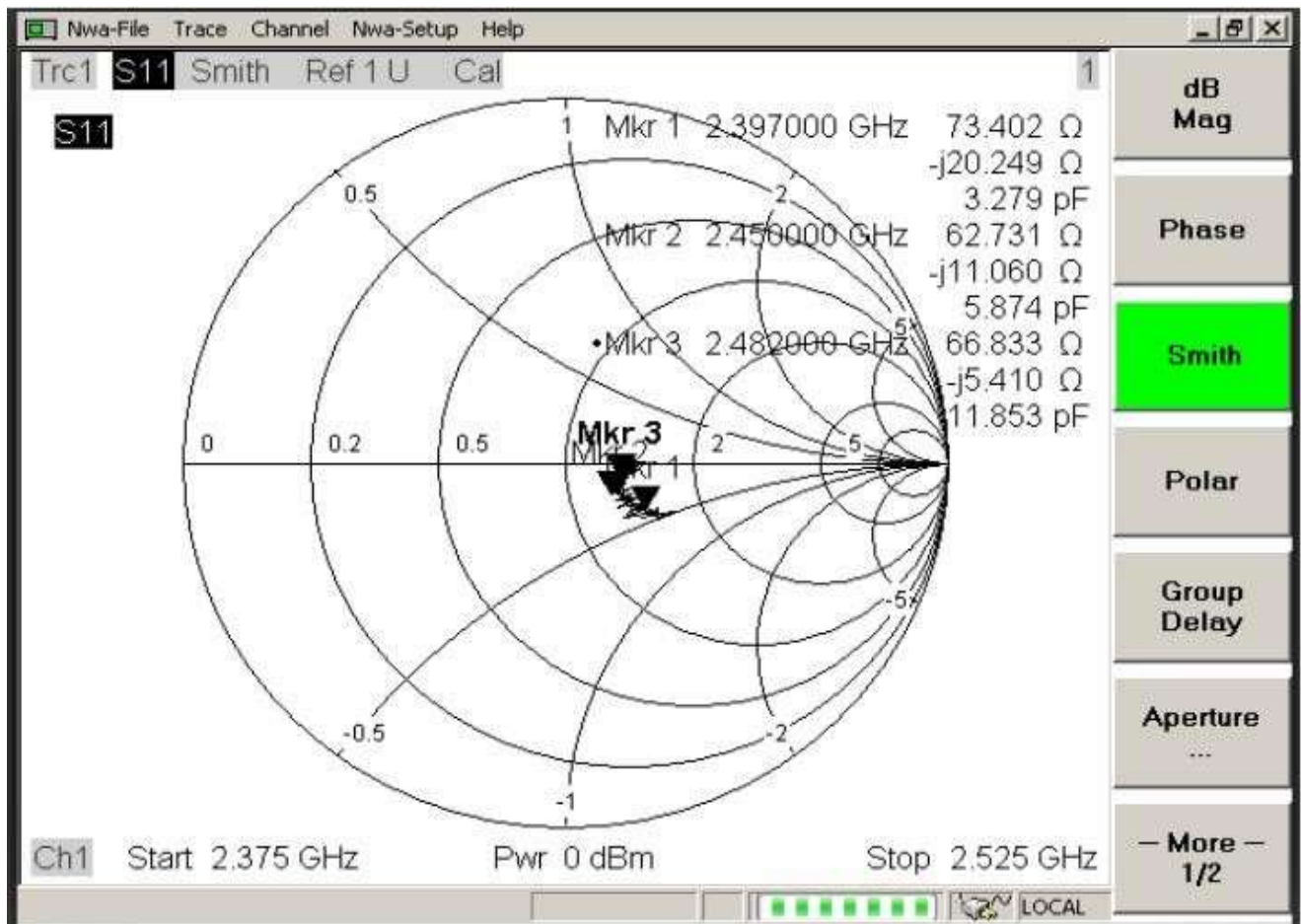


②Smith Char

Mkr1: 2397MHz 73.4

Mkr2: 2450MHz 62.7

Mkr3: 2482MHz 66.8

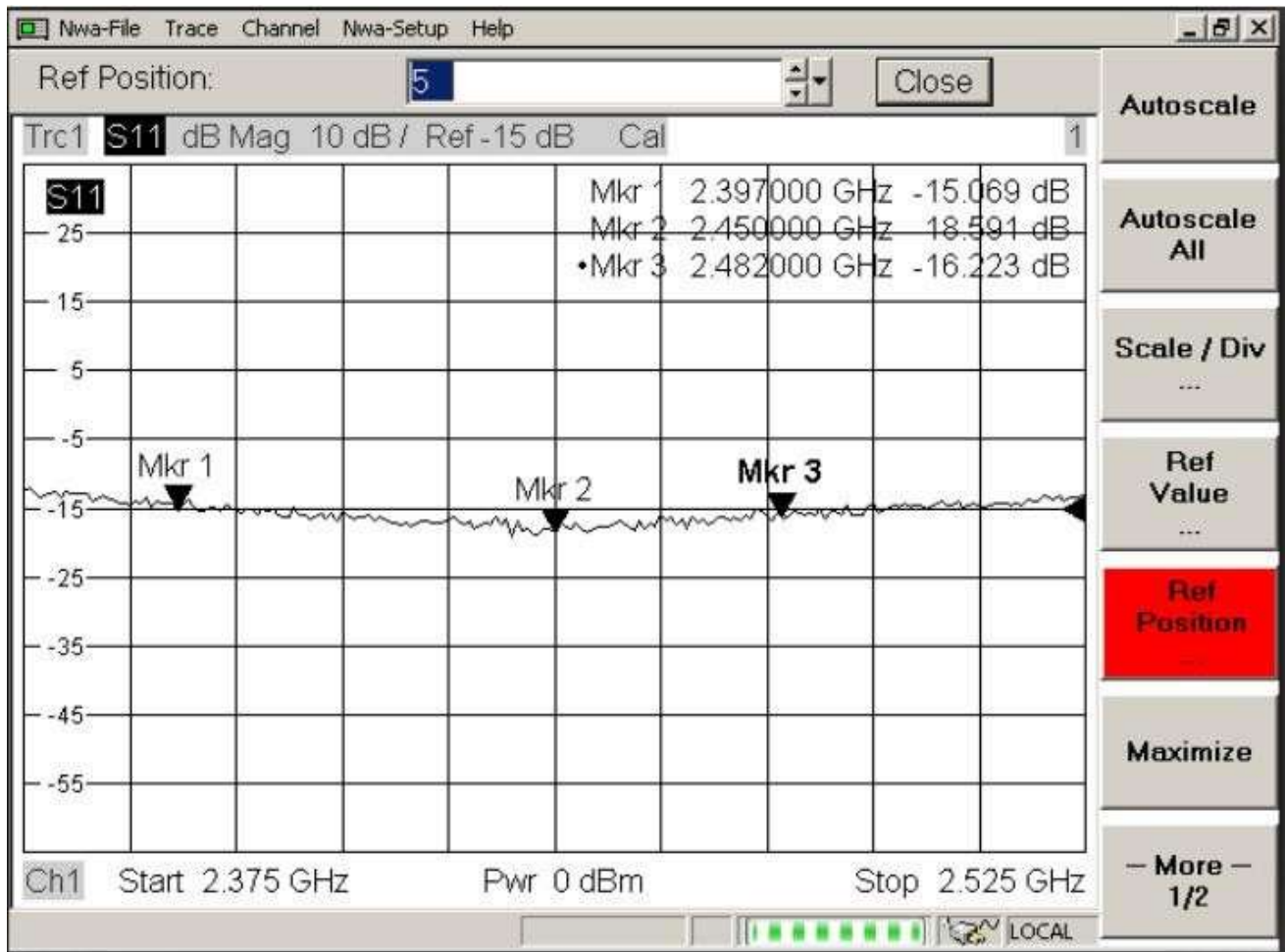


③Return Loss

Mkr1: 2397MHz -15

Mkr2: 2450MHz -18

Mkr3: 2482 MHz -16

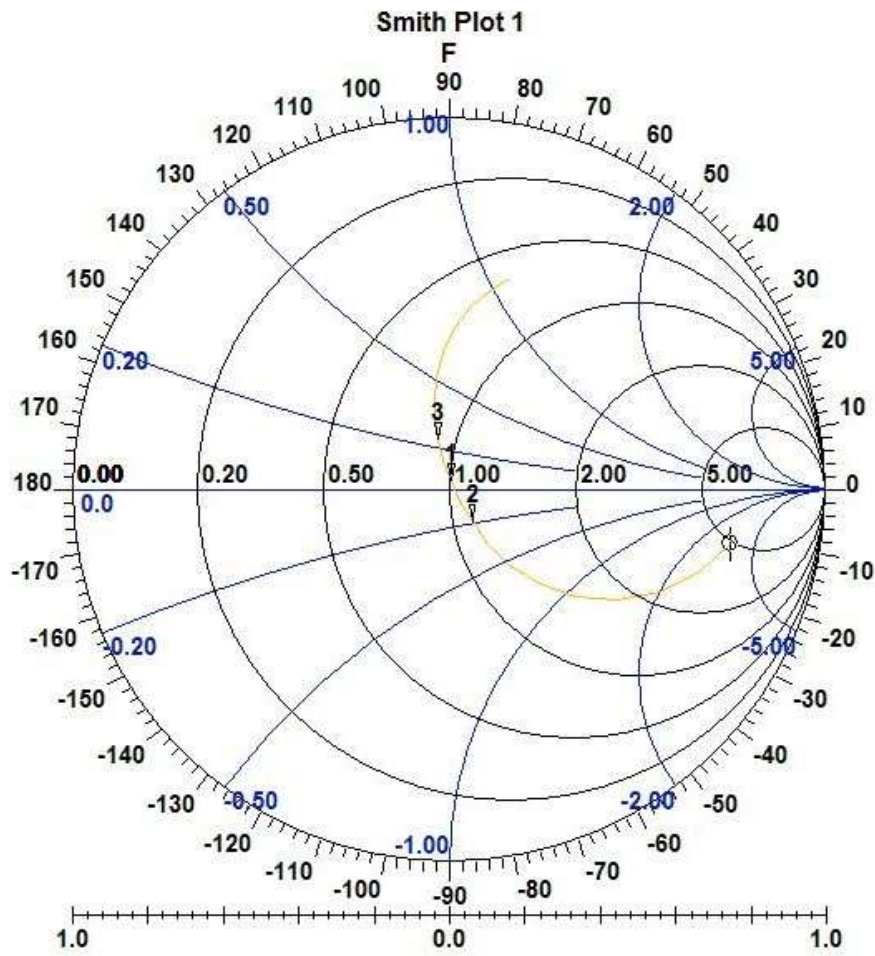


④Smith Char

Mkr1: 2400MHz 1.234

Mkr2: 2500MHz 1.051

Mkr3: 2600MHz 1.322



 VSWR1= 1.051 2.500GHz
VSWR2= 1.234 2.400GHz
VSWR3= 1.322 2.600GHz

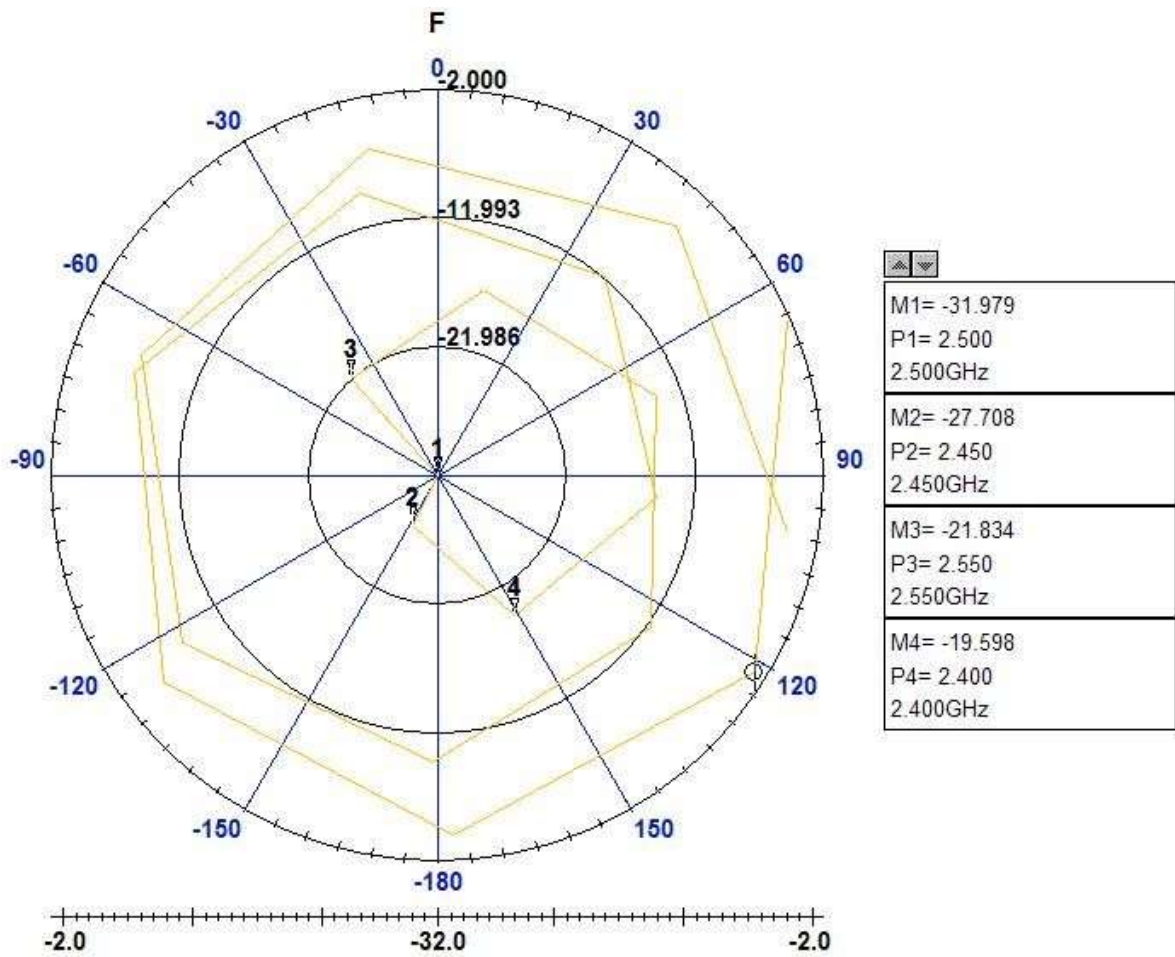
⑤ Return Loss

Mkr1: 2400MHz -19.59

Mkr2: 2450MHz -27.70

Mkr3: 2500MHz -31.97

Mkr4: 2550MHz -21.83

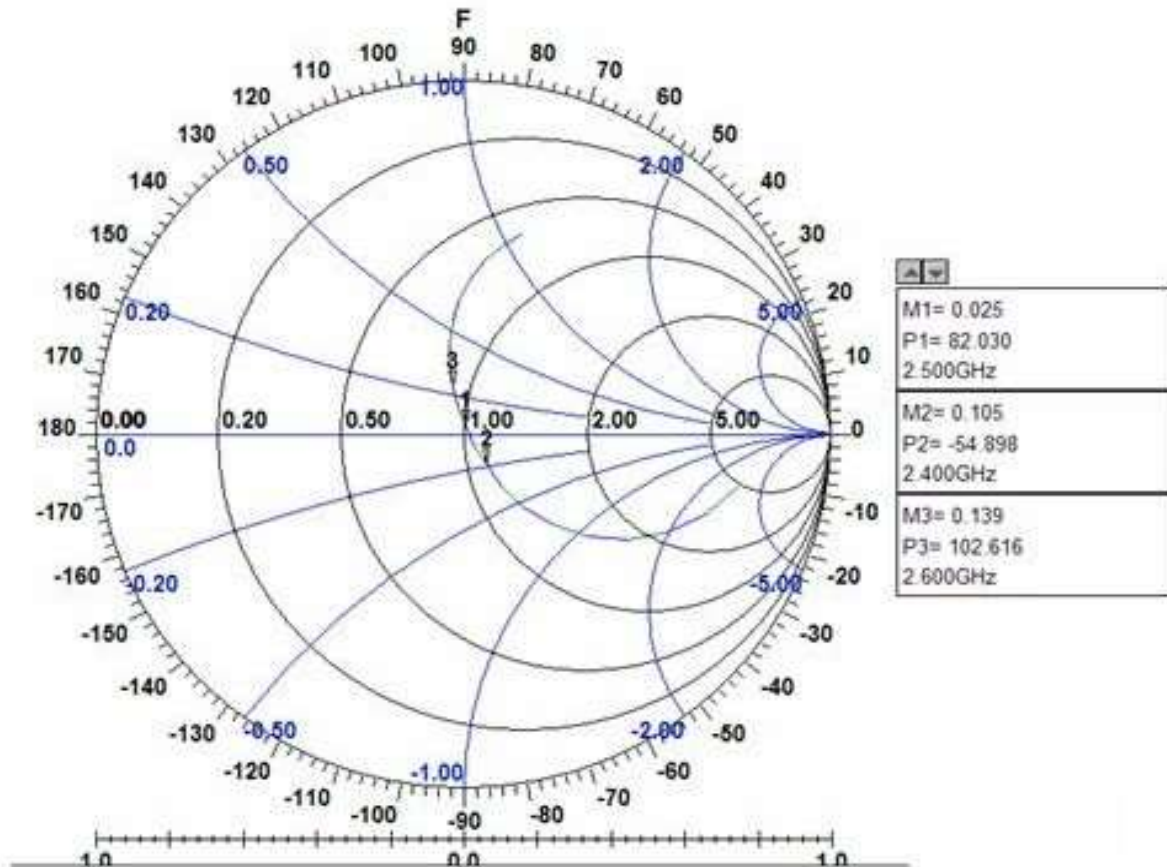


⑥Phase

Mkr1: 2400MHz -54.89

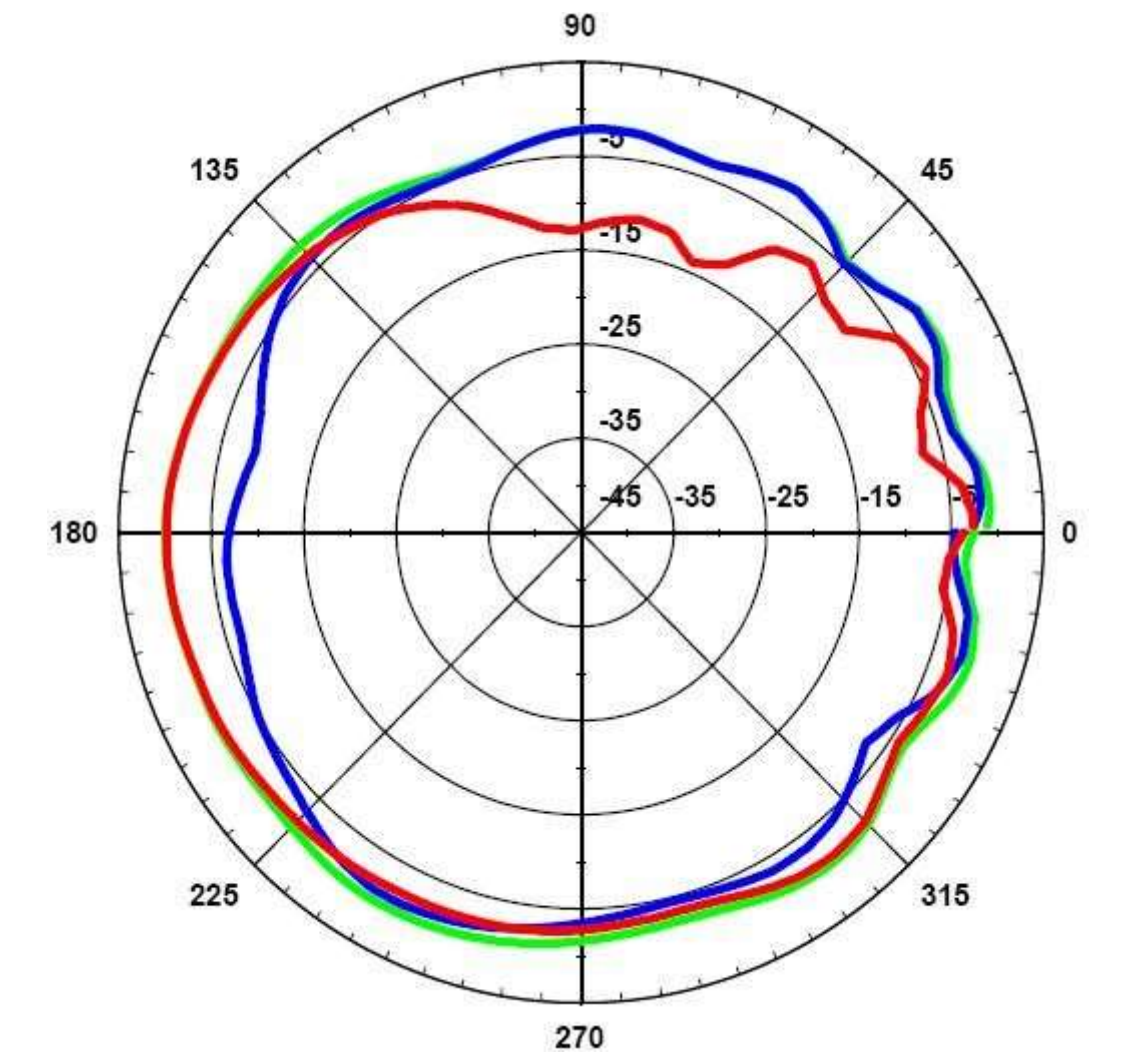
Mkr2: 2500MHz -82.03

Mkr3: 2600MHz -102.6



4. Radiation Patterns

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



• 3DRadiation pattern

