

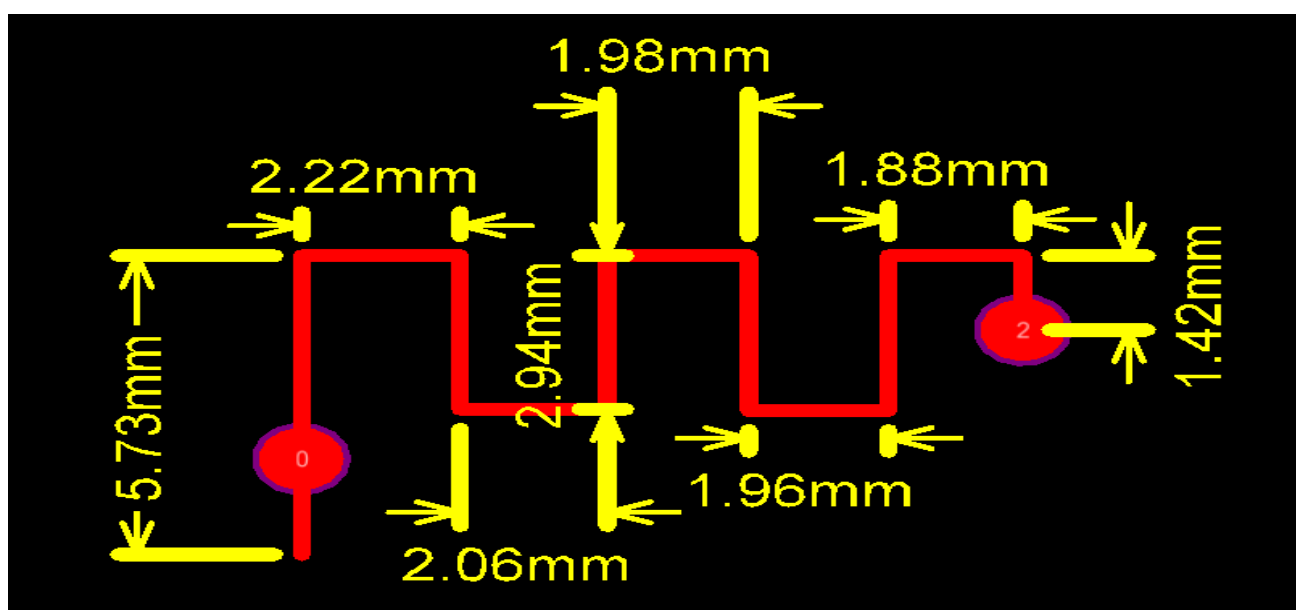
Day line sex can measuring

APPlications

※Bluetooth Home RF

※ISM band 2.4GHz applications

1. Dimensions



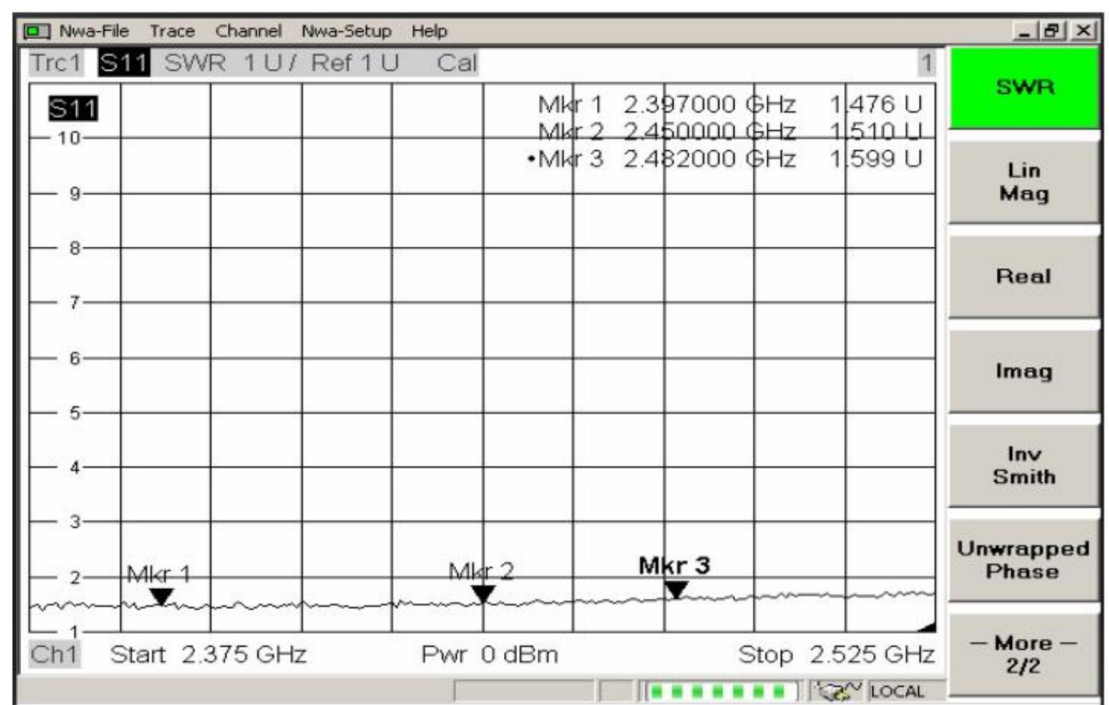
2. Specifications

number	Item	Specifications
1	Working Central Frequency	2441 MHz
2	Band Width	(2402-2480)MHz
3	Gain	1.5 dBi
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

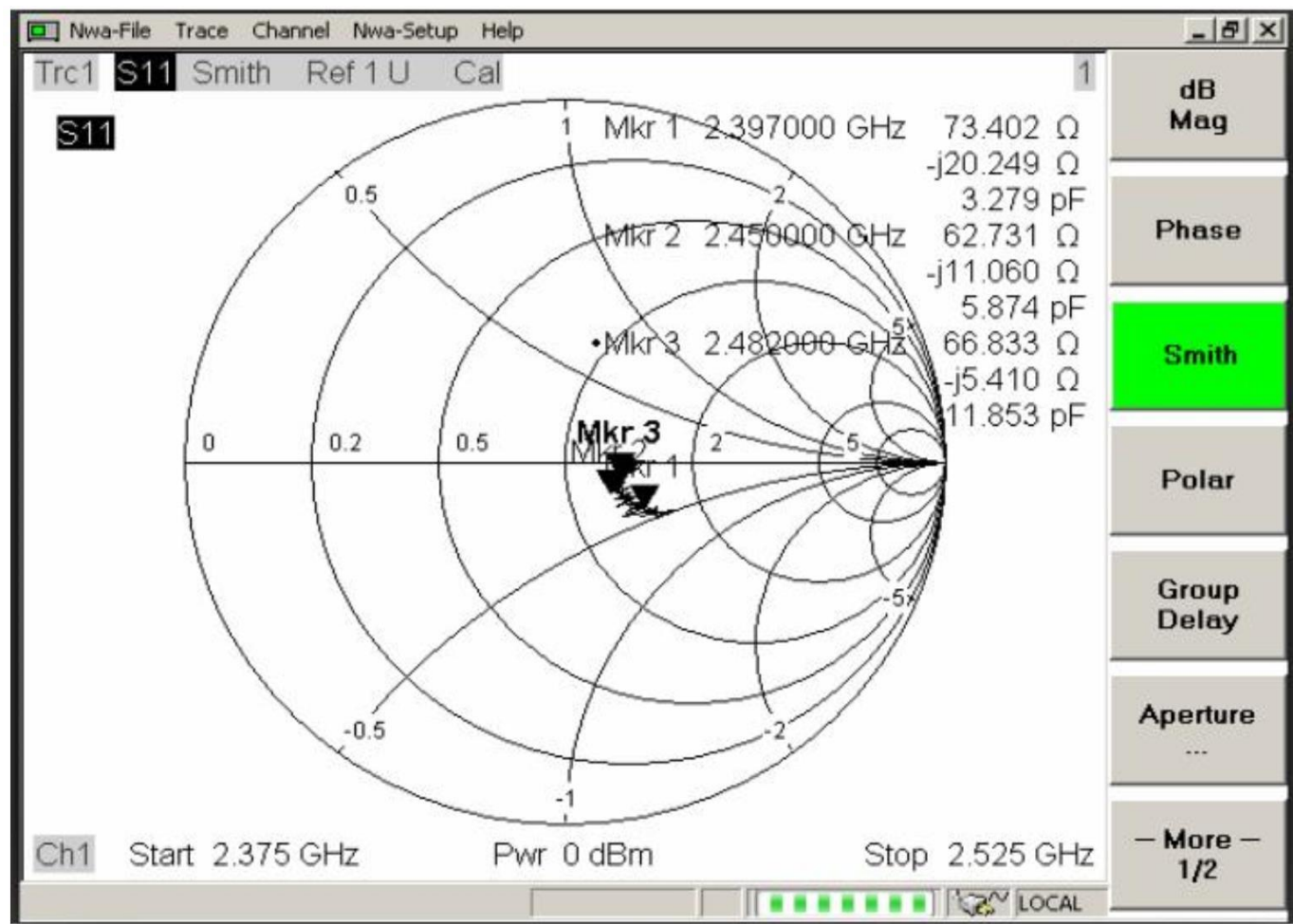
① VSWR

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



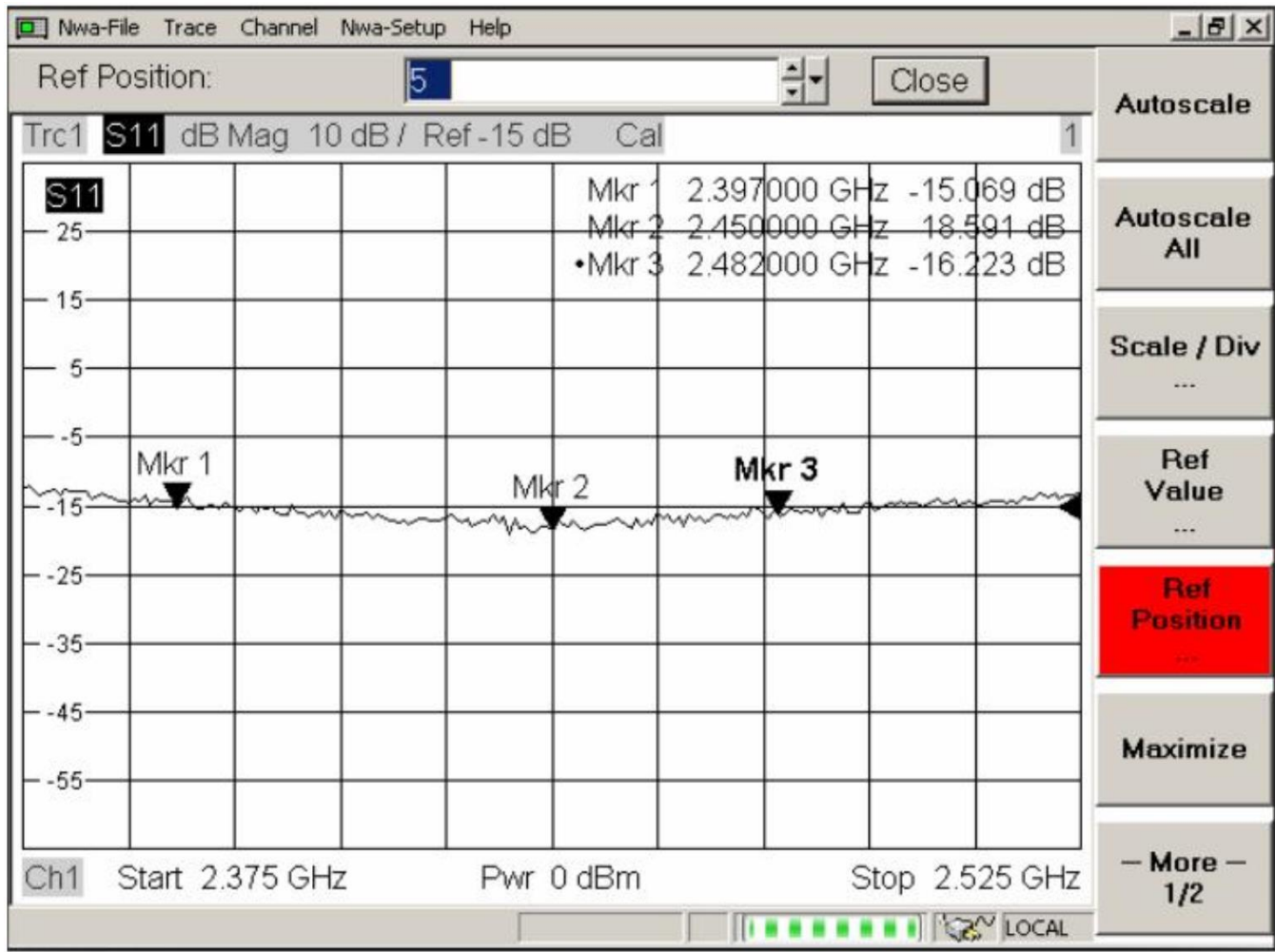
② Smith Char

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



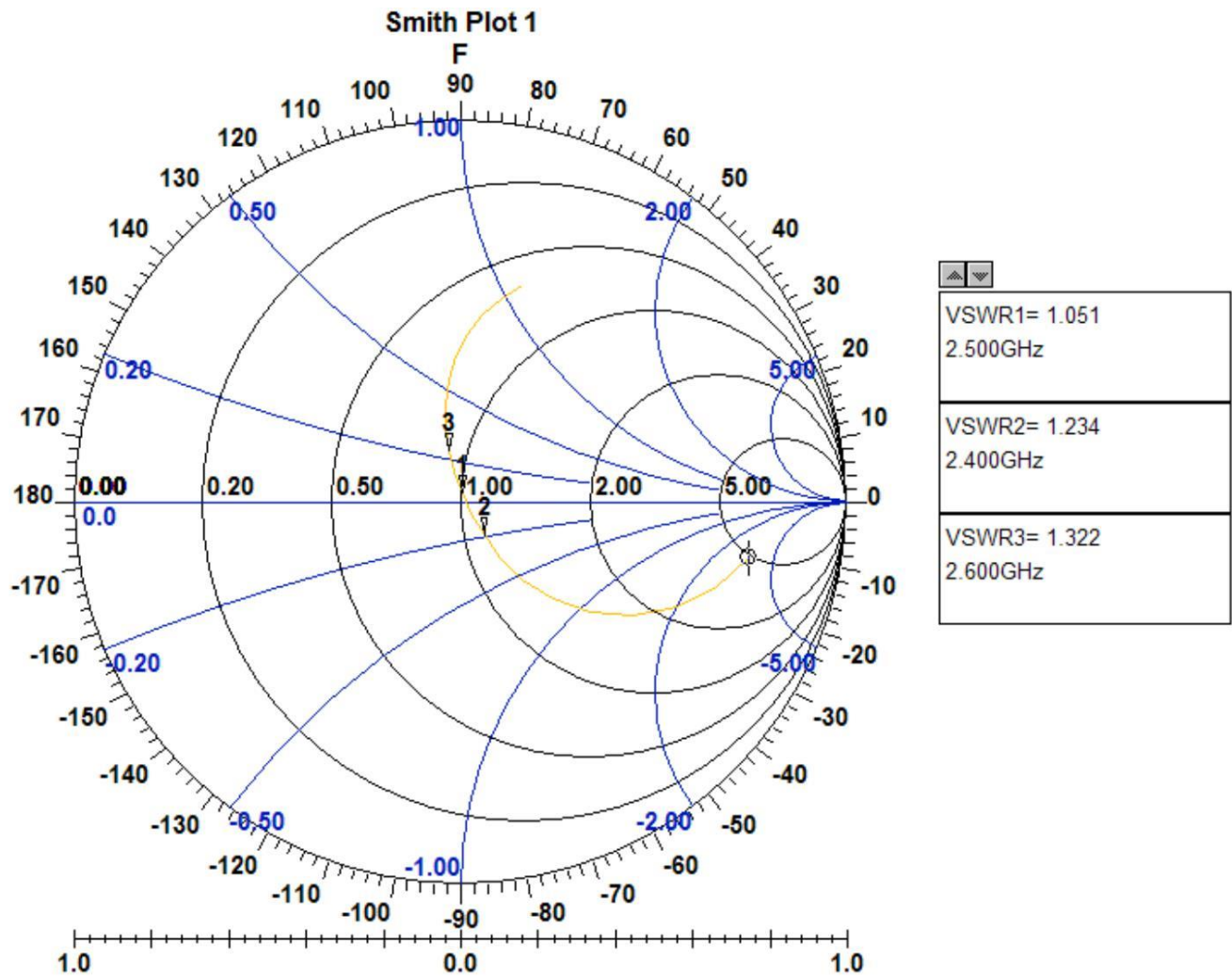
③ Return Loss

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



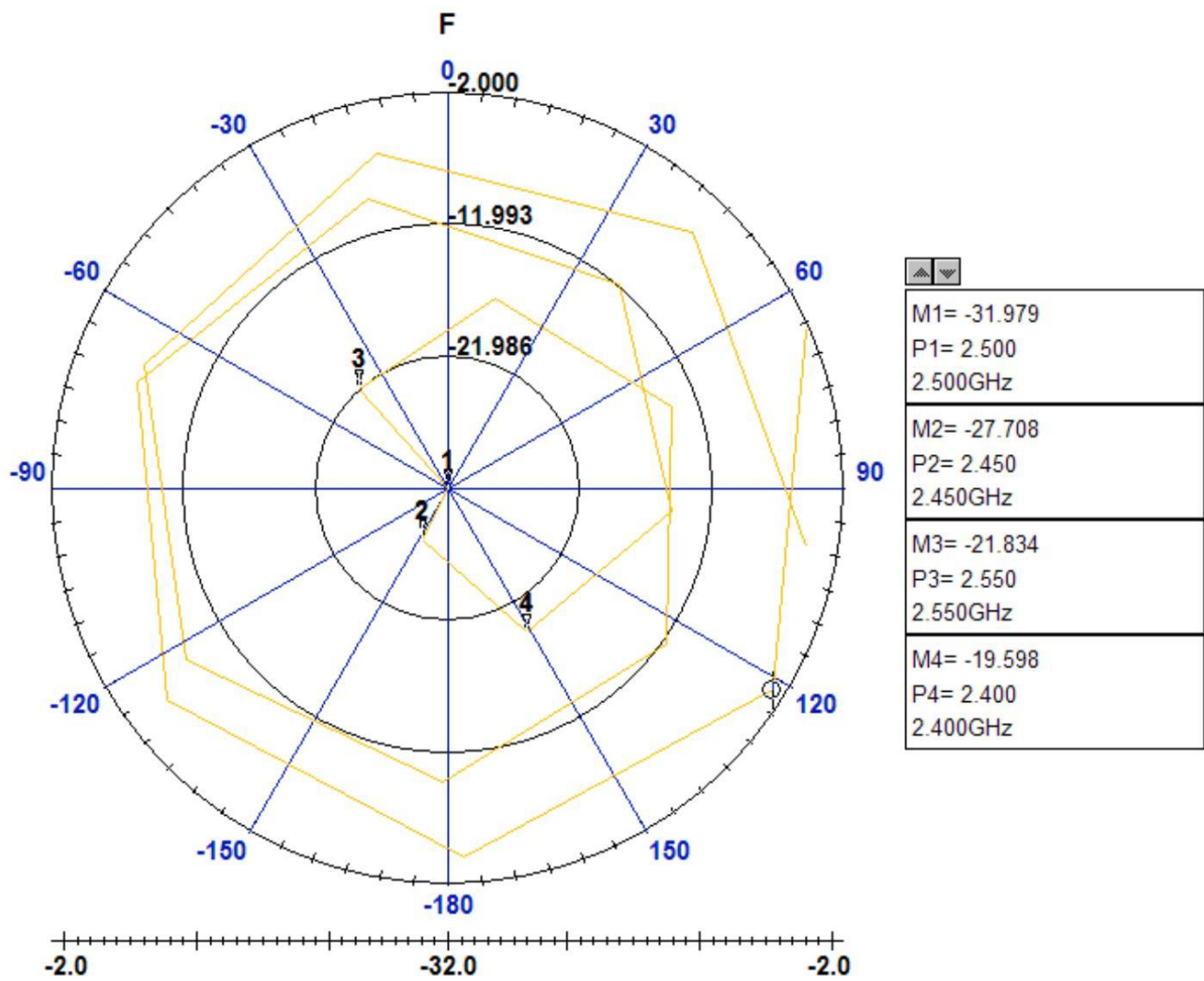
④ Smith Char The simulation

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



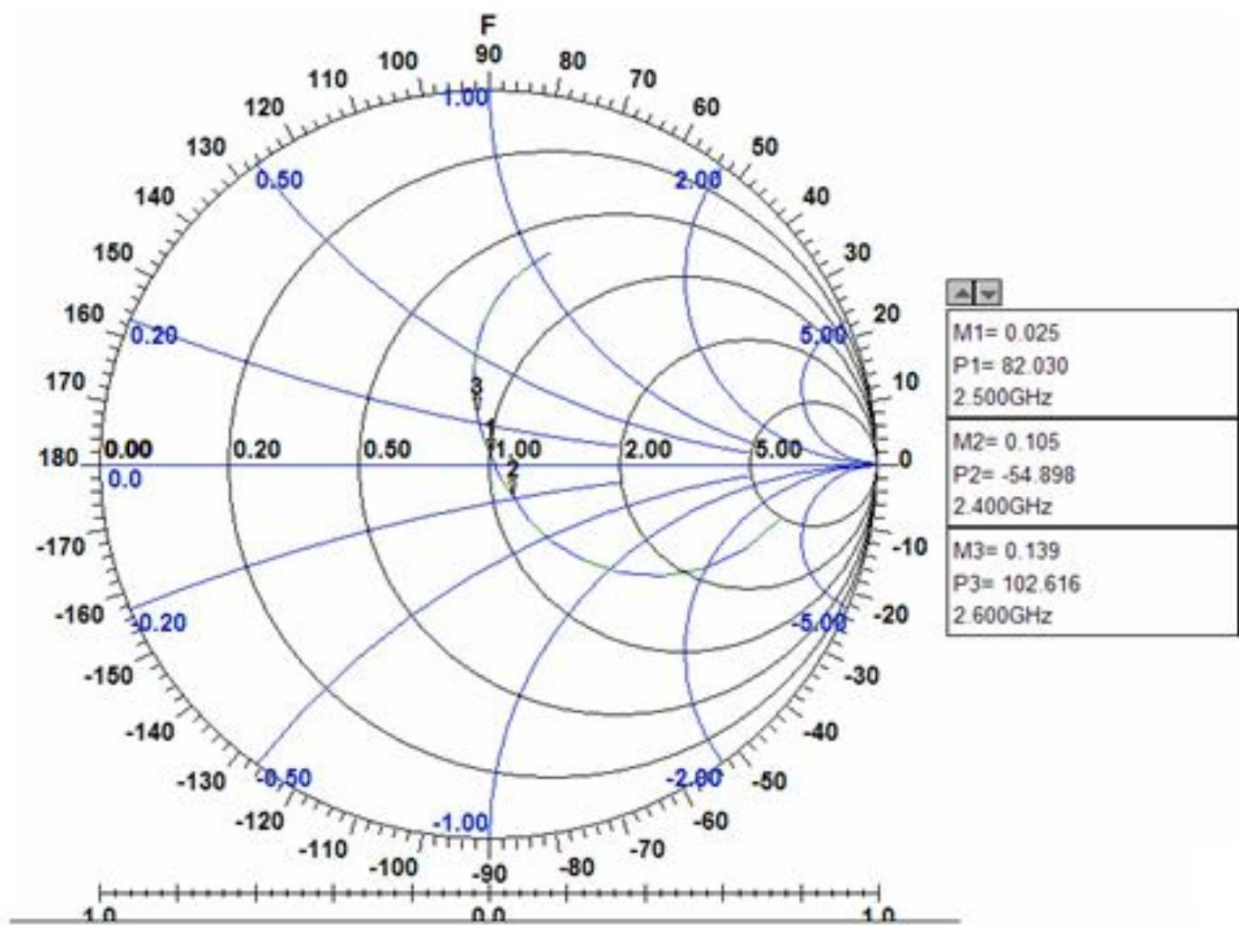
⑤ Return Loss The simulation

Mkr1: 2400MHz -19.59 MHz2: 2450MHz -27.70 MHz3:2500MHz -31.97
 MKz4: 2550MHz -21.83



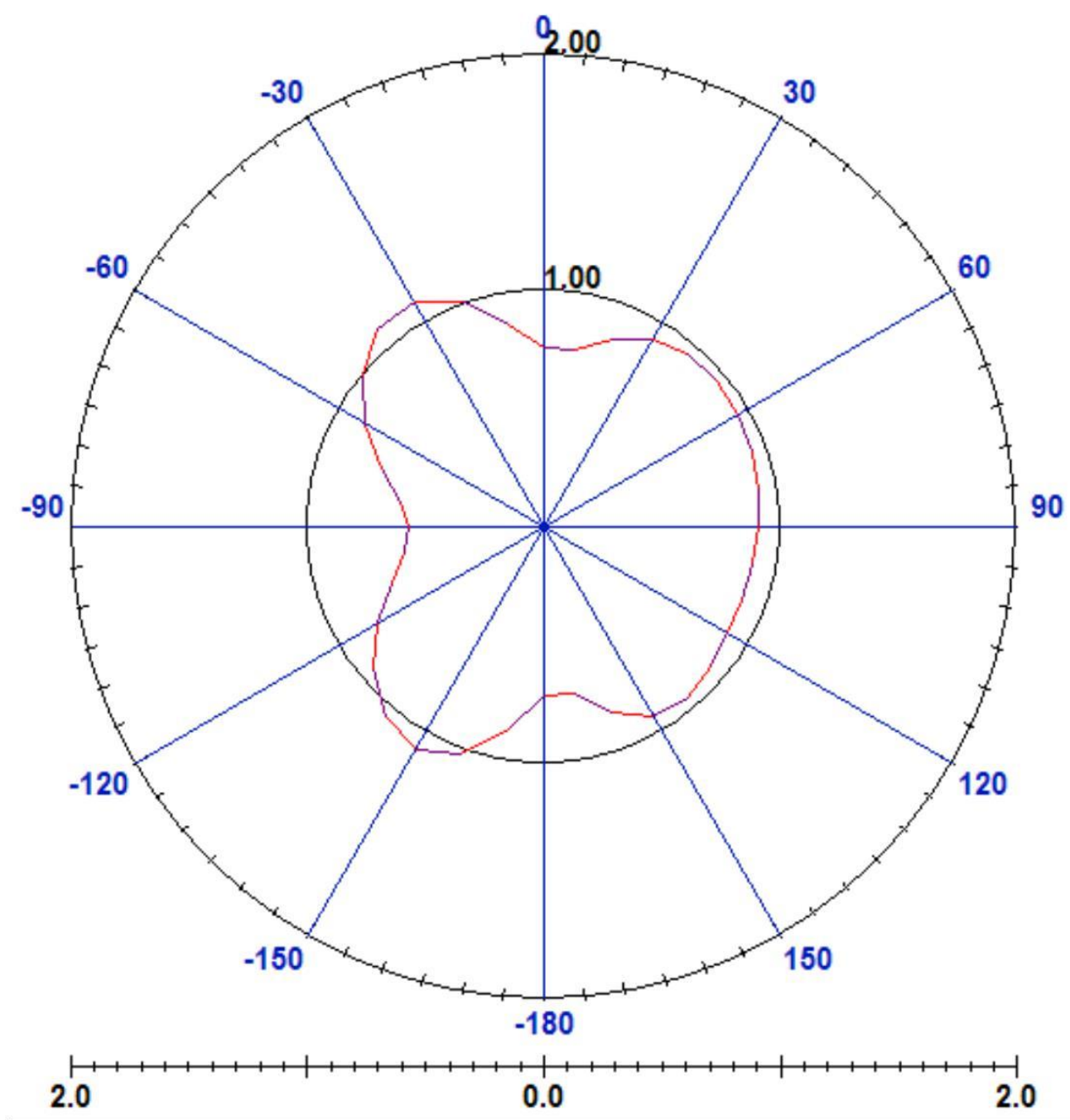
⑥ Phase The simulation

MHz1: 2400MHz -54.89 Mkr2: 2500MHz -82.03 Mkr3: 2600MHz -102.6

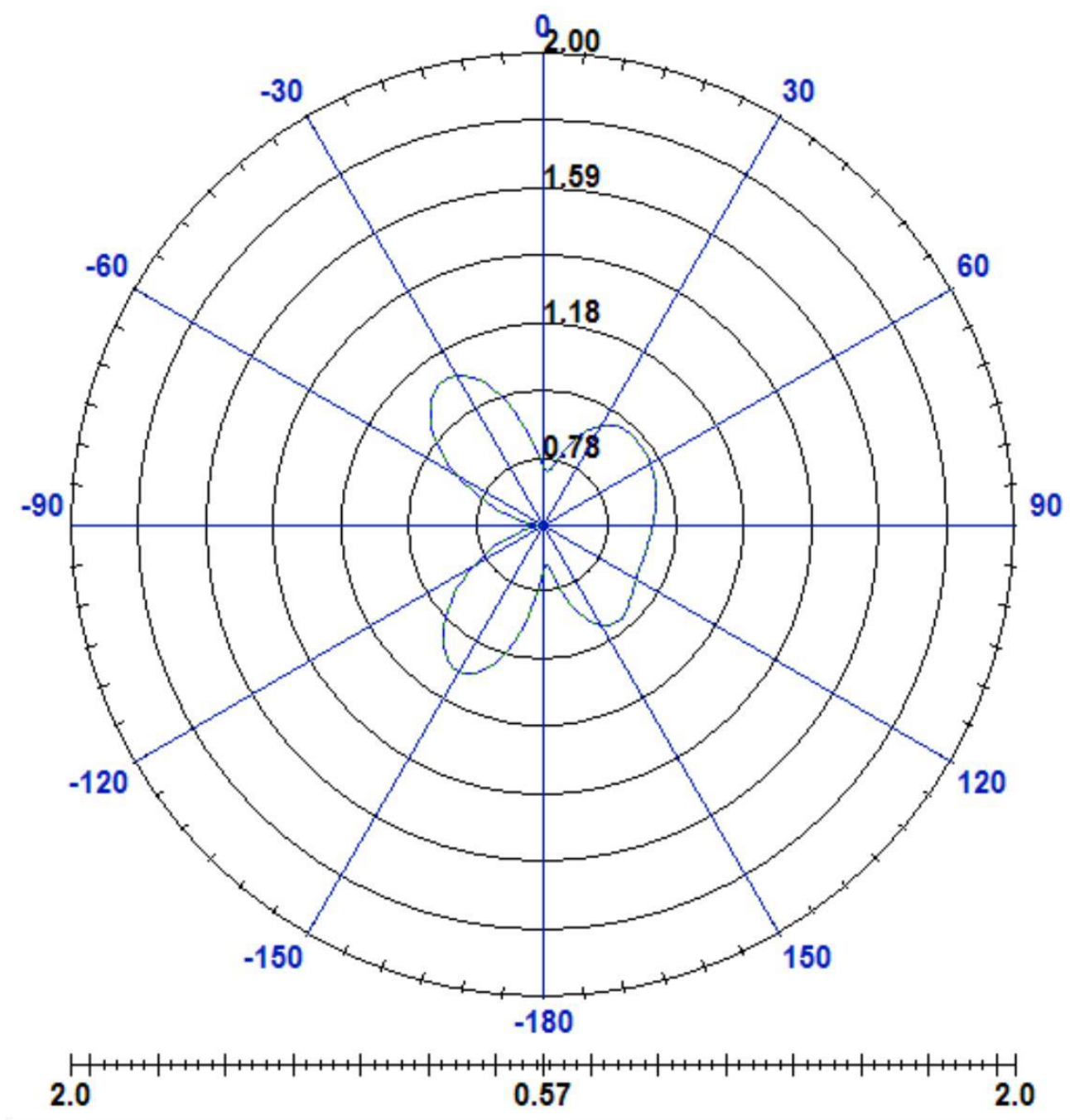


4. Radiation Patterns

XY-plane



YZ-plane



3D Radiation field type

